

East San Joaquin Water Quality Coalition

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July 2, 2007

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Central Valley Regional Water Quality Control Board
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Dear Dania,

The East San Joaquin Water Quality Coalition is submitting the 2006/2007 Storm Season Semi-Annual Monitoring Report for review by the Central Valley Regional Water Quality Control Board (CVRWQCB) as required by the Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands Resolution Order No. R5-2003-0105, Monitoring and Reporting Program Order No. R5-2005-0833, amended by Monitoring and Reporting Program Order No. R5-2006-0053 and Monitoring and Reporting Program Order No. R5-2006-0077.

The document herein reports on the Coalition monitoring program for the period of November 1, 2006 through April 30, 2007 and covers activities associated with the 2007 storm season monitoring, reporting, outreach and education.

In every aspect, the Coalition seeks the best quality in its monitoring program by using the most scientifically reliable field and laboratory protocols, ensuring complete quality control and quality assurance of the data received from laboratories, and reporting on that data accurately and punctually to both the CVRWQCB and to the members of the Coalition. The Coalition and its technical staff process and review an immense quantity of data and provide a large number of reports in a timely manner to the CVRWQCB. There were two instances in which analyses were not performed as outlined in the Coalition's MRPP and QAPP.

During the second storm (February 28-March 1, 2007) there was a mix up in labeling the COCs between Bear Creek @ Kibby Rd and Black Rascal Creek @ Yosemite Rd. Bear Creek @ Kibby Rd was sampled for all constituents however the COC did not mark that it should be analyzed for metals and nutrients. Instead Black Rascal Creek @ Yosemite Rd was marked as requiring metal and nutrient analysis. Since the sites were sampled properly the laboratory was able to detect this mix-up for the metals, total Kjeldahl nitrogen, total phosphate and ammonia since these were collected in additional bottles. However, since nitrite, nitrate and orthophosphate are analyzed from the water collected

for color, turbidity and total dissolved solids, the laboratories did not analyze for these constituents for the Bear Creek @ Kibby Rd site.

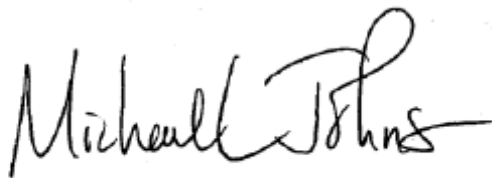
For the second storm event, the field duplicate sample for *Ceriodaphnia* was accidentally spilled within the laboratory. This was the last day of the test and due to holding time restrictions could not be re-tested. It was established that another sample would be collected the next time it rained however due to the extreme dry weather this winter another storm did not occur before the irrigation season. Due to the *Ceriodaphnia* sample mishandling in the laboratory and the addition of samples due to retesting for toxicity as well as the occurrence of dry sites, the overall percentage of field duplicates were: *Ceriodaphnia* 2.6%, *Pimephales* 5.1%, *Selenastrum* 4.5% and *Hyalella* 6.2%.

The review of Coalition data over the past storm season has indicated that four exceedances of simazine were reported incorrectly to the Regional Board. Due to an error in translating the results from the lab, the Coalition reported four results at many times their real concentration and all exceedances that were reported for simazine were in fact below the water quality objective.

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment for violations.”

This letter will be submitted with an original signature when the printed version of the SAMR is submitted to the Regional Board.

Submitted respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style with a large, stylized initial 'M' and a long, sweeping underline.

Michael L. Johnson
ESJWQC Technical Program Manager
Michael L. Johnson, LLC

June 30, 2007

East San Joaquin Water Quality Coalition

SEMI-ANNUAL MONITORING REPORT STORM 2006/2007



Prepared by
Michael L. Johnson LLC

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LIST OF ACRONYMS

BOD	Biological Oxygen Demand
CEDEN	California Environmental Data Exchange Network
CVRWQCB	Central Valley Regional Water Quality Control Board
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
DO	Dissolved Oxygen
DPR	(California) Department of Pesticide Regulation
E	Environmental sample
EC	Electrical Conductance (Conductivity)
EPA	Environmental Protection Agency
ESJWQC	East San Joaquin Water Quality Coalition
FB	Field Blank
FD	Field Duplicate
Koc	Organic Carbon Partitioning Coefficient
LCS	Laboratory Control Spike
LCSD	Laboratory Control Spike Duplicate
MDL	Method Detection Limit
MPN	Most Probable Number
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not Detected
NONAG	The sample was provided by a project other than the Coalition to the laboratory and was included in the QA report from the laboratory to meet their QA criteria
NSG	Not significantly different than control; greater than 80% threshold
NSL	Not significantly different than control; less than 80% threshold
pH	Power of hydrogen (measure of acidity)
PQL	Practical Quantification Limit
PR	Percent Recovery
PUR	Pesticide Use Reports
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
RL	Reporting Limit
RPD	Relative Percent Difference
RS	Resample
SG	Statistically significantly different from control; Greater than 80% threshold

SL	Statistically significantly different from control; Less than 80% threshold
SOP	Standard operating procedure
TDS	Total Dissolved Solids
TIE	Toxicity Identification Evaluation
TOC	Total Organic Carbon
TRS	Township, range, section
TUa	Toxic Unit (acute)
UCD	University of California, Davis
USGS	United States Geological Survey
WER	Watershed Evaluation Report
WQO	Water Quality Objective

LIST OF TERMS

Agricultural Commissioner – County Agriculture Commissioner

ArcGIS – Geographic Information Systems mapping software

Central Valley – California Central Valley

Coalition – East San Joaquin Water Quality Coalition

Coalition/ESJWQC region – The region within the Central Valley that is monitored by the East San Joaquin Water Quality Coalition.

drainage –water that moves horizontally across the surface or vertically into the subsurface from land

landowners – one or more persons responsible for the management of the irrigated land

Regional Board – Central Valley Regional Water Quality Control Board

site subwatershed – Starting from the sampling site, all water bodies that drain, directly or indirectly, into the water body before the point where sampling occurs.

subwatershed – The topographic perimeter of the catchment area of a stream tributary. (EPA terms of environment:
(<http://www.epa.gov/OCEPAt/terms/sterms.html>)

Waiver – Central Valley Regional Water Quality Control Board Coalition Group Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands, Order No. R5-2006-0077, amending Order No. R5-2006-0053.

water body –standing or flowing water of any size that may or may not move into a larger body of water, including lakes, reservoirs, ponds, rivers, streams, tributaries, creeks, sloughs, canals, laterals and drainage ditches.

watershed – The land area that drains into a stream; the watershed for a major river may encompass a number of smaller watersheds that ultimately combine at a common point. (EPA terms of environment:
<http://www.epa.gov/OCEPAt/terms/wterms.html>)

EXECUTIVE SUMMARY

The East San Joaquin Water Quality Coalition (ESJWQC) region includes the counties of Stanislaus, Merced, Madera, Tuolumne, and Mariposa and the portion of Calaveras County that drains into the Stanislaus River. Apart from the San Joaquin River which forms the south and east boundary of the coalition, there are five major rivers in the watershed: the Fresno River, Chowchilla River, Merced River, Tuolumne River and Stanislaus River. In addition, the Eastside Bypass is considered a major water body. These east side tributaries of the San Joaquin River drain the Sierra Nevada range from east to west. Irrigated agriculture is the predominant land use in the Coalition area although the growing urban areas in the Valley are also a significant land use. Other non-irrigated land uses include dairies with some acreage in feedlots.

Twice during the storm season, the ESJWQC successfully sampled ambient water at twenty sites in early and late February 2007 after the first and second storm event during the dormant season. Four sites were dry during the first storm event and six sites were dry the second storm event. Sediment was sampled at the same sites in March at a time that flows were low enough to collect the samples. The primary objective of the monitoring program was to characterize discharges after dormant sprays from irrigated agriculture. The primary objective of the monitoring program was to characterize discharges from irrigated agriculture. Field data was recorded during each sampling event, and ambient water samples were analyzed for pesticides, metals, inorganic and organic parameters specified in Table 1 of the Coalition Monitoring and Reporting Program (MRP), as well as toxicity to three test species; *Ceriodaphnia dubia*, *Pimephales promelas*, and *Selenastrum capricornicum*. Sediment sampling events take record of field parameters and analyze samples for toxicity using *Hyalella azteca*. Additional sampling is conducted as a follow-up measure to exceedances experienced by the Coalition, primarily for toxicity, which can include re-sampling at the same site where the exceedance occurred to test for persistence, or upstream sampling as a method to source the constituent of concern.

During the 2006/2007 storm season, six exceedances of pesticides occurred including two exceedances of both diuron and DDT and one exceedance each in DDE and diazinon. Water column toxicity was experienced four times (three showing persistency with toxicity experienced in the resample). Of the four exceedances, one was for *Ceriodaphnia* and three for *Selenastrum*. No toxicity exceedances were experienced in the sediment for *Hyalella*. EC and TDS exceedances were directly correlated during events when both parameters were measured. In total, 4 exceedances of TDS and 6 exceedances of EC were

experienced. Exceedances occurred at Prairie Flower Drain during both storm events and at Hilmar Drain and Mustang Creek during the second storm event. EC was also exceeded during the sediment sampling event (for which TDS is not measured) at Prairie Flower Drain and Hilmar Drain.

There were three exceedances of the DO water quality objective (7.0 mg/L) spread across two of the 20 sites and four exceedances of pH. Exceedances of the color water quality objective were experienced at most sites during every monitoring event of the storm season. There were 17 exceedances of the *E. coli* water quality objective (and one field duplicate exceedance with the same result as the grab sample). Five metals, including copper, lead, nickel, arsenic and cadmium, were found at concentrations above water quality objectives in water samples. Arsenic experienced exceedances the most frequent out of any of the metals and exceedances occurred at 12 of the sampling sites. Copper and lead were the second and third most common metals to experience exceedances with 13 copper exceedances and 12 lead exceedances detected.

Monitoring results from the last several years indicated that *E. coli* exceedances were one of the most common water quality problems experienced by the Coalition. In response to this problem, the Coalition authorized the University of California, Davis to perform a source identification study using Bacteroides, an obligately anaerobic genus of bacteria found along with *E. coli* in feces. That study was performed in August of 2006. The final report on the results of the study will be provided to the Regional Board, and therefore will not be discussed in this document. However, the study was to be expanded to include the storm season but the dry winter prevented the study from being completed. The Coalition will attempt to conduct the study in the winter of 2008.

Outreach and education activities are a central component of the Coalition monitoring program. The Coalition provides information and notification of exceedances in person during grower meetings, through the Coalition website, and by mail. Notification of exceedances have also been sent to growers by mail in March and April, and April newspaper articles from various counties in the Coalition Region published coalition news and information. BMP surveys have been mailed to all growers and handed out at all grower meetings which occurred in mid December, 2006 and then again in February, 2007 to discuss past exceedances and best management practices. Management Practice Surveys have been included in mailings and are handed out at all Coalition meetings. To date, there has been a good level of grower response (1152 total surveys returned), and these results have been compiled for all subwatersheds and are amended to this report. A Coalition website is also available for interested parties that posts information for Coalition members or growers including a general description of the Coalition's mission and member information, recommended best management practices, a schedule of Coalition meetings and presentations, Coalition news and newsletters, maps of sample sites and

subwatersheds, and numerous links to other sources of relevant information (www.esjcoalition.org).

The review of Coalition data over the past storm season has indicated that four exceedances of simazine were reported incorrectly to the Regional Board. Due to an error in translating the results from the lab, Coalition staff reported four results as many times their real detection value and all exceedances that were reported for simazine were in fact below the water quality objective.

INTRODUCTION

This document is being submitted by the East San Joaquin Water Quality Coalition to the Central Valley Regional Water Quality Control Board as required by the Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands Resolution No. R5-2003-0105 (Order), Monitoring and Reporting Program Order No. R5-2005-0833, amended by Monitoring and Reporting Program Order No. R5-2006-0053 and Monitoring and Reporting Program Order No. R5-2006-0077 (hereafter referred to as the Conditional Waiver). The document herein reports on the Coalition monitoring program for the period of November 1, 2006 through April 30, 2007 and covers activities associated with the 2007 storm season monitoring, reporting, outreach and education.

This June SAMR is organized differently from previous SAMRs submitted by the Coalition. The lengthy tables that were formerly embedded in the main report are now located in separate appendices. The text of the report with some supporting summary tables is located in this document. It is hoped that this reorganization will facilitate the review of the document.

DESCRIPTION OF WATERSHED

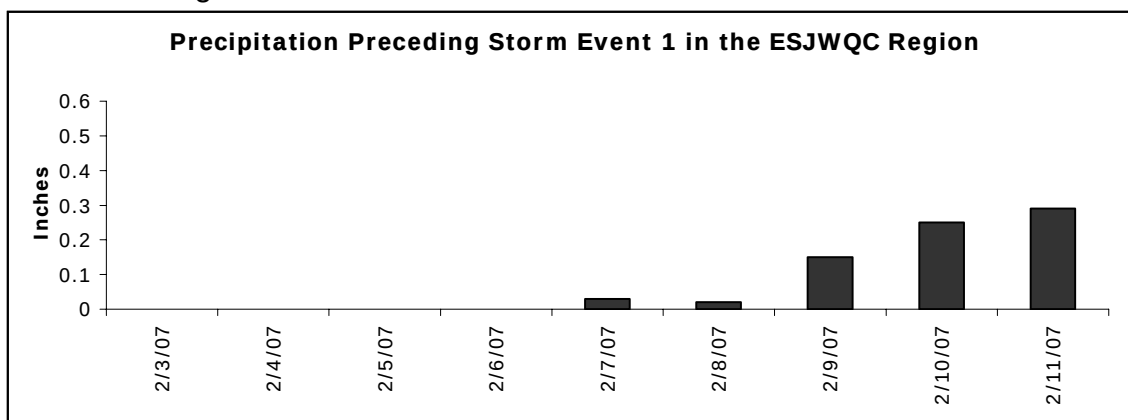
For a full description of the ESJWQC watershed setting please refer to the ESJWQC Watershed Evaluation Report submitted December 8, 2006 (pages 8-9). That document includes a written overview of the Coalition region, a map of the Coalition region and county-specific maps including land use and monitoring site locations. The WER includes maps and tables of land use information, pesticide application information, and general environmental characteristics such as climate, soils, hydrology and aquatic resources. Coalition region water bodies and their beneficial uses, a full list of all water bodies by size designation, as well as site subwatershed size designations, maps and land use descriptions are also included.

MONITORING OBJECTIVES

Monitoring is conducted in both the winter and the summer, and this report covers only monitoring conducted during the 2007 winter storm season. The winter storm season sampling is designed to characterize the discharge from irrigated agriculture as a result of storm runoff. Sampling during the storm season is triggered by a storm event of 0.5 inches of rain or greater, after the dormant season sprays occur. However, due to low rain falls in the ESJWQC area, 0.25 inches within 24 hours was used as a trigger to sample. Below is a description of each of the two storm events that occurred for the 2006/2007 monitoring season.

The first storm sampling event for the ESJWQC took place on February 11, 2007. This storm was separated from the previous substantial precipitation on January 27 and 28, 2006 by nine days of high pressure which allowed ample time for farmers to apply dormant season pesticides and herbicides. Rainfall varied over the sample area but remained enough in the 24 hours around February 10, 2007 to produce measurable runoff. This storm event was the first substantial rain of 2007 following a record-dry January.

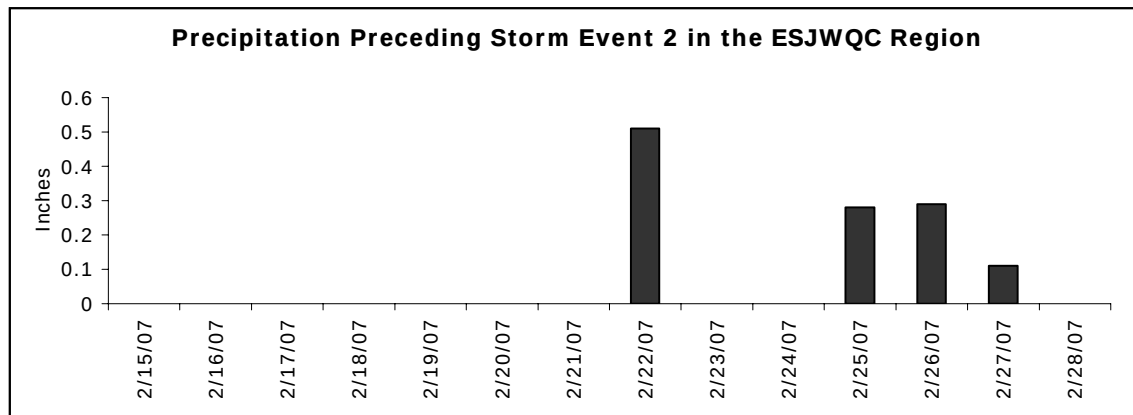
Figure 1. Local weather conditions preceding the first storm sampling event on 2/11/07. A persistent high pressure system over the area was displaced by a storm system on the night of 2/7/07. The storm dropped 0.74 inches of rain in four-and-a-half days. All data recorded in Merced, CA and reported on weatherunderground.com.



The second storm sampling event for the ESJWQC occurred on February 28, 2007 and was separated from the previous major precipitation event (and the previous sampling event) by 9 days of high pressure. Again this allowed ample time for further dormant season pesticide and herbicide application. This storm

was more violent than the first and began with a brief but intense rain on February 22, 2007. As with the first event rainfall varied across the region but remained sufficient to generate runoff across the region.

Figure 2. Local weather conditions preceding the second storm sampling event on 2/28/07. This storm broke a slightly more turbulent high pressure system and dropped 1.19 inches of rain over three days. All data recorded in Merced, CA and reported on weatherunderground.com.



The objectives of the ESJWQC monitoring program are to:

- Determine the concentration and load of waste in discharges to surface waters
- Evaluate compliance with existing narrative and numeric water quality objectives to determine if implementation of additional management practices is necessary to improve and/or protect water quality
- Assess the impact of waste discharges from irrigated agriculture to surface water
- Determine the degree of implementation of management practices to reduce discharge of specific wastes that impact water quality in watersheds within the coalition region
- Determine the effectiveness of management practices and strategies to reduce discharges of wastes that impact water quality

In order to achieve the objectives listed above, the ESJWQC monitored water quality at 20 sites in the Coalition region during the 2006/2007 storm runoff season. The Coalition sampled for numerous water quality variables and constituents including 39 pesticides, *E. coli*, physical parameters (total dissolved solids, color and turbidity), eight metals, total organic carbon, nutrients, field parameters (dissolved oxygen, pH, electrical conductivity), water toxicity to three test species including *Ceriodaphnia dubia*, *Pimephales promelas* and

Selenastrum capricornutum and sediment toxicity to *Hyalella azteca*. Monitoring constituents are established by the Conditional Waiver and are discussed in more detail below.

Because the amount of runoff was low across the Coalition region, especially the southern portions of the region, water was unable to be collected at 6 sites (documented in the section on Precision and Accuracy). Consequently, no data from those sites are available. All dry sites were documented by photographs which are available on request. Additionally, the second storm event sampling occurred on February 28, 2007, and the sediment sampling occurred on March 7, 2007 and no rainfall occurred during the intervening week. As no irrigation was being conducted at that time, it was assumed that there would be no water at the dry sites and they were not visited for sediment sampling.

Pesticides and Toxicity

Dormant spray pesticide applications typically occur during the winter season when storm runoff has the potential to move sediment and chemicals to surface waters. Water collected for chemical analysis can identify those chemicals that may have been transported to surface waters. The concentrations can be compared to numeric and narrative water quality objectives to determine if exceedances have been experienced. Toxicity testing is complementary to chemical analyses, and can provide an independent and more direct assessment of the level of impairment in the water body. The objective of the Coalition is to use the toxicity testing along with water chemistry to assess the impact of discharges from irrigated agriculture.

Nutrients and Physical Parameters

Excessive nutrients can cause eutrophication of surface waters and high total organic carbon, high color content, and high turbidity. All of these factors can independently cause impairment of surface waters. However, sources of nutrients, organic carbon, color, and low dissolved oxygen are difficult to determine. Total dissolved solids (TDS), a measure of salt content, is similar to the other physical parameters and nutrients in that it is difficult to identify the source and manage exceedances. The Coalition's objective is to determine if exceedances are occurring, and to determine if potential sources can be identified through analysis of monitoring data. If monitoring data are not sufficient, the Coalition will explore conducting special studies to identify sources. However, some special studies may be too costly to conduct. By understanding the sources of constituents responsible for the exceedances, the Coalition can properly recommend management practices to address the exceedances.

Field Parameters

Much like physical parameters, exceedances of water quality objectives for pH, dissolved oxygen, and specific conductance (EC) are difficult to track to sources. All of these parameters are nonconserved meaning that they can increase or decrease in value as water moves downstream. These parameters are the responses to processes occurring in the water column and sediment, and can vary diurnally. As with nutrients and physical parameters, the Coalition's objective is to determine if exceedances are occurring, and to investigate potential sources through analysis of monitoring data and conducting special studies. By understanding the sources of constituents responsible for the exceedances, the Coalition can properly recommend management practices to address the exceedances.

E. coli

E. coli inhabits the intestinal tracts of animals and is voided in fecal material. *E. coli* may persist in the presence of oxygen in the environment for periods of time after being voided. They are also known to reproduce and magnify in the environment. The conditions under which this occurs are not well understood and require additional research. Any species of vertebrate that voids feces can contribute *E. coli* to surface waters including humans, companion animal (dogs and cats primarily), cows, chickens, waterfowl (ducks and geese), raccoons, otters, ground squirrels, feral pigs, and in some locations deer. Consequently, there may be a large amount of bacteria in any environmental sample that is collected.

E. coli from humans can enter aquatic systems from leaky septic systems, leaky sanitary sewer lines, improperly treated discharge from waste water treatment plants, application of biosolids to agricultural land, and direct inputs from individuals who defecate in or near water bodies. Input from cows can occur from dairies, grazing in irrigated pastures, and various manure sources. *E. coli* from chickens can enter from poultry operations or manure sources. Irrigated agriculture is responsible for management if *E. coli* contamination is occurring from irrigated pasture or manure applications for fertilizer.

Because of the generic nature of *E. coli* measurements, monitoring data cannot be used to identify sources. Special studies need to be conducted to identify the taxonomic source before the geographic source can be found. The Coalition has initiated these special studies and will eventually be able to use them to identify sources. Until that point, the *E. coli* data generated during normal monitoring can be used only to assess the amount of *E. coli* contamination at each monitoring site.

Metals

The Coalition samples for four basic classes of metals; 1) those that are naturally elevated because of underlying geologic materials (boron, selenium), 2) those that are applied by agriculture (copper, zinc, nickel), 3) those that may be legacy pesticides but also have numerous nonagricultural sources (lead, arsenic), and 4) those that are found solely as a result of nonagricultural anthropogenic sources (cadmium). These categories are not mutually exclusive and in fact, all metals belong to the first category. For example, nickel is a plant micronutrient that may be incorporated into fertilizer mixes, although normally there is a sufficient quantity of nickel in soils to supply the needs of crops. As a result, although it may be applied by agriculture, exceedances would be expected to primarily a result of natural weathering of soils.

Natural weathering of geologic materials can release to surface waters other metals and metalloid elements such as selenium, arsenic, and boron. Selenium salts are naturally elevated in the southwest portions of the Central Valley and are transported during storm runoff to surface waters. These salts are so problematic that there is a prohibition of discharge of irrigation return flows in some locations. Boron is naturally elevated particularly in the coastal mountain ranges and runoff brings boron from these mountains to the valley floor. Arsenic appears also to be naturally elevated in several locations in the Valley. Zinc and nickel are also found in soils and can be found in surface waters at levels that reflect background concentrations. Both of these elements can be applied by agriculture as well, and the difference between applications and natural weathering must be understood to properly manage the amounts reaching surface waters. Understanding background levels of these elements will be an important task for the Coalition in the upcoming year.

While all other metals can be released as a result of the weathering of geologic materials, elevated levels of most metals are a result of anthropogenic inputs. Lead was used as a pesticide during the last century but was used in smaller and smaller amounts over the last several decades before being prohibited in the 1990s. Lead was also used in gasoline until the early 1980s when it was replaced by other fuel oxygenates, and lead-based paint was routinely used until the latter parts of the last century. Lead is also a component of batteries, and is the material in solder in numerous electronic devices including televisions, computers, and cell phones. These sources can be distinguished through sophisticated analytical tests that are beyond the capabilities of the Coalition. Copper is routinely used by agriculture on a number of crops and could be found in surface waters as a result of applications. Additional sources include road surfaces where wearing of brake pads can result in substantial loading to surface waters.

Because fertilizer applications and the micronutrient constituents included in the mix are not reported, there is no way the Coalition can distinguish between natural and anthropogenic sources with monitoring data. Several of these metals can be identified to source using sophisticated analytical equipment and techniques, but these tests are beyond the capabilities of the Coalition. Consequently, the Coalition will use monitoring data to determine if exceedances are occurring, and will attempt to establish background concentrations of some metals in surface waters to determine if concentrations are a result of natural or anthropogenic inputs to the water. In addition, if it is concluded that it is necessary to determine if the metals are bioavailable, additional analyses may be used to determine the amount of soluble metals as compared to particulate bound metals.

SAMPLING SITES DESCRIPTION

The sample sites and location of all sites monitored during the 2007 storm season are provided in Table 1. Twenty sites were monitored over two ambient water sampling events and one sediment sampling event during the months of February and March.

All site subwatersheds in Table 1 drain agricultural land in the Coalition region. The discussion below briefly describes each subwatershed with respect to hydrology and agricultural production. Maps of site subwatersheds are provided in the ESJWQC December 8, 2006 WER (pages 55-59) and include detail on the crops grown on each of the parcels in the site subwatershed and the hydrology within the subwatershed that drains through those parcels. ArcGIS coverage of all site subwatersheds has been provided electronically with previous reports. Not included are roadside ditches that may drain fields to the nearest surface water body. Ditches are constructed to move water draining from roads adjacent to the fields and are not generally constructed to move water draining from agricultural fields. Ditches are more common in the northern portion of the Coalition region where soils are somewhat more resistant to infiltration. In the southern portions of the Coalition region (e.g., southern Stanislaus, Merced and Madera Counties), sandy soils with a high infiltration rate do not require ditches to move water that has drained from the road surfaces. In the western portion of the Coalition region near the San Joaquin River, there is a shallow depth to ground water that requires drains to reduce the soil moisture sufficiently to allow farming.

Tables 2a and 2b specify the constituents monitored at each site subwatershed. The Coalition monitoring program consists of a mix of Phase I and Phase II monitoring elements at various sites. As a result, the sites added to the Coalition monitoring program in May 2006 (e.g. Silva Drain @ Meadow Drive) would not be sampling for metals or nutrients as outlined in the CVRWQCB's MRP document (Table 1 of that MRP). Although pesticides other than those identified by 303d listings are not required to be monitored, the Coalition is monitoring all Phase II pesticides during Phase I and Phase II.

Additionally, because two years of sampling resulted in no exceedances of *E. coli* or sediment toxicity at the Merced River @ Santa Fe Drive site, these constituents were dropped from the monitoring.

Table 1. ESJWQC Storm 2007 sampling locations. (* indicates new site for 2006/2007; † indicates sites that have been monitored for two full years).

SITE NAME	STATION CODE	LATITUDE	LONGITUDE
Ash Slough @ Avenue 21	545XASAAT	37.0545	-120.4158
Bear Creek @ Kibby Rd [†]	535XBCAKR	37.3128	-120.4138
Berenda Slough along Ave 18 1/2*	545XBSAAE	37.0182	-120.3265
Black Rascal Creek @ Yosemite Rd*	535BRCAJR	37.3321	-120.3947
Cottonwood Creek @ Rd 20 [†]	545XCCART	36.8686	-120.1818
Deadman Creek @ Gurr Rd	535XDCAGR	37.1936	-120.5612
Dry Creek @ Rd 18	545XDCARE	36.9818	-120.2195
Dry Creek @ Wellsford Rd [†]	535XDCAWR	37.6602	-120.8743
Duck Slough @ Gurr Rd [†]	535XDSAGR	37.2142	-120.5596
Duck Slough @ Highway 99 [†]	535XDSAHR	37.2501	-120.4100
Deadman Creek @ Highway 59*	535DMCAHF	37.1981	-120.4869
Highline Canal @ Hwy 99 [†]	535XHCHNN	37.4153	-120.7557
Highline Canal @ Lombardy Rd [†]	535XHCALR	37.4556	-120.7207
Hilmar Drain @ Central Ave [†]	535XHDACA	37.3906	-120.9582
Jones Drain @ Oakdale Rd [†]	535XJDAOR	37.4495	-120.6007
South Slough @ Quinley Rd*	535XSSAQR	37.2699	-120.5971
Merced River @ Santa Fe [†]	535XMRSFD	37.4271	-120.6721
Mustang Creek @ East Ave*	535XMCAEA	37.4918	-120.6839
Prairie Flower Drain @ Crows Landing Rd [†]	535XPFDCL	37.4422	-121.0024
Silva Drain @ Meadow Drive*	535XSDAMD	37.4291	-120.6261

Table 2a. ESJWQC Storm 2007 sampling constituents.

Sampling for field parameters, metals, nutrients, physical parameters, *E. coli*, water column toxicity (WCT) and sediment (sed) toxicity (* indicates new site for 2006/2007; [†] indicates sites that have been monitored for two full years).

Site Name	Field Parameters	BOD	Metals	Nutrients	Physical Parameters	E. coli	WCT	Sed Toxicity
Ash Slough @ Avenue 21	X	X	X	X	X	X	X	X
Bear Creek @ Kibby Rd	X	X	X	X	X	X	X	X
Berenda Slough along Ave 18 1/2*	X	X			X	X	X	X
Black Rascal Creek @ Yosemite Rd*	X	X			X	X	X	X
Cottonwood Creek @ Road 20	X	X	X	X	X	X	X	X
Deadman's Creek @ Gurr Road [†]	X	X	X	X	X	X	X	X
Dry Creek @ Road 18	X	X	X	X	X	X	X	X
Dry Creek @ Wellsford Road	X	X	X	X	X	X	X	X
Duck Slough @ Gurr Road [†]	X	X	X	X	X	X	X	X
Duck Slough @ Highway 99	X	X	X	X	X	X	X	X
Deadman Creek @ Highway 59*	X	X			X	X	X	X
Highline Canal @ Hwy 99	X	X	X	X	X	X	X	X
Highline Canal @ Lombardy Ave	X	X	X	X	X	X	X	X
Hilmar Drain @ Central Ave	X	X	X	X	X	X	X	X
Jones Drain @ Oakdale Road	X	X	X	X	X	X	X	X
South Slough @ Quinley Rd*	X	X			X	X	X	X
Merced River @ Santa Fe [†]	X	X	X	X	X		X	
Mustang Creek @ East Ave*	X	X			X	X	X	X
Prairie Flower Drain @ Crows Landing Road	X	X	X	X	X	X	X	X
Silva Drain @ Meadow Drive*	X	X			X	X	X	X

Table 2b. ESJWQC Storm 2006/2007 sampling constituents for pesticide groups

(* indicates new site for 2006/2007; † indicates sites that have been monitored for two full years).

Site Name	Organophosphates	Pyrethroids	Carbamates	Herbicides	Organochlorines
Ash Slough @ Avenue 21	X	X	X	X	X
Bear Creek @ Kibby Rd	X	X	X	X	X
Berenda Slough along Ave 18 1/2*	X	X	X	X	X
Black Rascal Creek @ Yosemite Rd*	X	X	X	X	X
Cottonwood Creek @ Road 20	X	X	X	X	X
Deadman's Creek @ Gurr Road†	X	X	X	X	X
Dry Creek @ Road 18	X	X	X	X	X
Dry Creek @ Wellsford Road	X	X	X	X	X
Duck Slough @ Gurr Road†	X	X	X	X	X
Duck Slough @ Highway 99	X	X	X	X	X
Deadman Creek @ Highway 59*	X	X	X	X	X
Highline Canal @ Hwy 99	X	X	X	X	X
Highline Canal @ Lombardy Ave	X	X	X	X	X
Hilmar Drain @ Central Ave	X	X	X	X	X
Jones Drain @ Oakdale Road	X	X	X	X	X
South Slough @ Quinley Rd*	X	X	X	X	X
Merced River @ Santa Fe†	X	X	X	X	X
Mustang Creek @ East Ave*	X	X	X	X	X
Prairie Flower Drain @ Crows Landing Road	X	X	X	X	X
Silva Drain @ Meadow Drive*	X	X	X	X	X

LOCATION MAPS OF SAMPLE SITES AND LAND USE

The location maps of all site-subwatershed including land use are provided in the ESJWQC December 8, 2006 WER (pages 55-59).

MONITORING RESULTS

Samples were collected during the 2006/2007 storm season after two storm events, and sediment samples were collected once, one week after the second storm event occurred. Sites were re-sampled if a toxicity exceedance occurred. All station names, seasons, and sample dates are listed in Table 3 including sites that were dry and those that were re-sampled for toxicity persistence. In general, the winter of 2006-07 was considered dry and few storm events generated sufficient runoff to sample.

Appendix I contains monitoring results from the two sampling events. Within this appendix, Table I-1 is a compilation of results for field parameters, and Table I-2 is a compilation of all organic (pesticide) results from this sampling period. Inorganic data (physical parameters, *E. coli*, metals, and nutrients) are provided in Table I-3. Toxicity results are provided in Table I-4. Re-samples (RS) are collected within 72 hrs of being notified that the original sample was toxic. Toxicity tests are initiated within 36 hours of sampling and re-tests (RT) are performed if lab controls do not meet method test criteria (see toxicity test comments). Loads have been calculated for all detections (Table I-5) according to the following formula:

Load = Discharge (cfs) X 28.317L X Concentration (milligram/L X 1000 or µg/L).

Loads were calculated for inorganics (nutrients and total dissolved solids), metals, and organics.

All monitoring results are placed in a SWAMP comparable database and are uploaded to the CVRWQCB ftp site. These data are in electronic format and are thoroughly reviewed for discrepancies. These data are comparable with other data that are being submitted to CEDEN from across the state.

Table 3. Sample details for all 2006/2007 storm event sampling.

Station Name	Station Code	Season	Sample Date	Sample Time	Failure Reason	Sample Comments
Ash Slough @ Ave 21	545XASAAT	Storm1	02/11/07	13:35	Dry	
Ash Slough @ Ave 21	545XASAAT	Storm2	02/28/07	12:30	Dry	
Bear Creek @ Kibby Rd	535XBCAKR	Storm1	02/12/07	12:40	None	
Bear Creek @ Kibby Rd	535XBCAKR	Storm2	03/01/07	9:45	None	
Bear Creek @ Kibby Rd	535XBCAKR	Storm2	03/07/07	12:50	None	
Berenda Slough along Ave 18 1/2	545XBSAAE	Storm1	02/11/07	13:10	Dry	
Berenda Slough along Ave 18 1/2	545XBSAAE	Storm2	02/28/07	12:15	Dry	
Black Rascal Creek @ Yosemite Rd	535BRCAJR	Storm1	02/12/07	13:10	None	
Black Rascal Creek @ Yosemite Rd	535BRCAJR	Storm2	03/01/07	10:35	None	
Black Rascal Creek @ Yosemite Rd	535BRCAJR	Storm2	03/07/07	13:00	None	
Cottonwood Creek @ Rd 20	545XCCART	Storm1	02/11/07	11:00	Dry	
Cottonwood Creek @ Rd 20	545XCCART	Storm2	02/28/07	11:00	Samples and field parameters were not collected because stream was a stagnant isolated pool of water.	
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	Storm1	02/11/07	15:45	None	
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	Storm2	02/28/07	14:10	None	
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	Storm2	03/07/07	14:05	None	
Deadman Creek @ Hwy 59	535DMCAHF	Storm1	02/11/07	14:20	None	
Deadman Creek @ Hwy 59	535DMCAHF	Storm2	02/28/07	13:15	None	
Deadman Creek @ Hwy 59	535DMCAHF	Storm2	03/07/07	14:25	None	
Dry Creek @ Rd 18	545XDCARE	Storm1	02/11/07	11:50	None	

Station Name	Station Code	Season	Sample Date	Sample Time	Failure Reason	Sample Comments
Dry Creek @ Rd 18	545XDCARE	Storm2	02/28/07	11:45	Samples and field parameters were not collected because stream was a stagnant isolated pool of water.	
Dry Creek @ Wellsford Rd	535XDCAWR	Storm1	02/11/07	10:30	None	
Dry Creek @ Wellsford Rd	535XDCAWR	Storm2	02/28/07	9:50	None	
Dry Creek @ Wellsford Rd	535XDCAWR	Storm2	03/07/07	16:55	None	
Dry Creek @ Wellsford Rd	535XDCAWR	Storm2	03/07/07	16:55	None	Resampling event due to toxicity to <i>Selenastrum</i> on 02/28/07.
Duck Slough @ Gurr Rd	535XDSAGR	Storm1	02/12/07	9:15	None	
Duck Slough @ Gurr Rd	535XDSAGR	Storm2	02/28/07	15:20	None	
Duck Slough @ Gurr Rd	535XDSAGR	Storm2	03/07/07	13:40	None	
Duck Slough @ Hwy 99	535XDSAHN	Storm1	02/12/07	11:35	None	
Duck Slough @ Hwy 99	535XDSAHN	Storm2	02/28/07	16:45	None	
Duck Slough @ Hwy 99	535XDSAHN	Storm2	03/07/07	15:05	None	
Highline Canal @ Hwy 99	535XHCHNN	Storm1	02/11/07	14:45	None	
Highline Canal @ Hwy 99	535XHCHNN	Storm2	02/28/07	14:40	Dry	
Highline Canal @ Lombardy Rd	535XHCALR	Storm1	02/11/07	16:15	None	
Highline Canal @ Lombardy Rd	535XHCALR	Storm2	02/28/07	13:55	None	
Highline Canal @ Lombardy Rd	535XHCALR	Storm2	03/07/07	15:55	None	
Highline Canal @ Lombardy Rd	535XHCALR	Storm2	03/07/07	15:55	None	Resampling event due to toxicity to <i>Ceriodaphnia</i> and <i>Selenastrum</i> on 02/28/07.
Hilmar Drain @ Central Ave	535XHDACA	Storm1	02/11/07	13:15	None	
Hilmar Drain @ Central Ave	535XHDACA	Storm2	03/01/07	12:35	None	

Station Name	Station Code	Season	Sample Date	Sample Time	Failure Reason	Sample Comments
Hilmar Drain @ Central Ave	535XHDACA	Storm2	03/07/07	9:35	None	
Jones Drain @ Oakdale Rd	535XJDAOR	Storm1	02/12/07	10:50	None	
Jones Drain @ Oakdale Rd	535XJDAOR	Storm2	03/01/07	9:30	None	
Jones Drain @ Oakdale Rd	535XJDAOR	Storm2	03/07/07	11:10	None	
Merced River @ Santa Fe	535XMRSFD	Storm1	02/12/07	9:20	None	
Merced River @ Santa Fe	535XMRSFD	Storm2	02/28/07	15:45	None	
Mustang Creek @ East Ave	535XMCAEA	Storm1	02/12/07	11:40	None	
Mustang Creek @ East Ave	535XMCAEA	Storm2	02/28/07	12:40	None	
Mustang Creek @ East Ave	535XMCAEA	Storm2	03/07/07	10:35	None	
Prairie Flower Drain @ Crows Landing Rd	535XPFDCL	Storm1	02/11/07	12:05	None	
Prairie Flower Drain @ Crows Landing Rd	535XPFDCL	Storm2	03/01/07	12:20	None	
Prairie Flower Drain @ Crows Landing Rd	535XPFDCL	Storm2	03/07/07	9:05	None	
Silva Drain @ Meadow Dr	535XSDAMD	Storm1	02/12/07	10:20	None	
Silva Drain @ Meadow Dr	535XSDAMD	Storm2	02/28/07	16:55	None	
Silva Drain @ Meadow Dr	535XSDAMD	Storm2	03/07/07	11:45	None	
South Slough @ Quinley Rd	535XSSAQR	Storm1	02/11/07	16:20	Dry	
South Slough @ Quinley Rd	535XSSAQR	Storm2	03/01/07	9:00	Dry	

SAMPLING AND ANALYTICAL METHODS USED

Sample collection specifics, field parameters and instruments used to collect measurements, and analytical methods are provided below in Tables 4 - 6. All sampling methods were performed as outlined in the Quality Assurance Project Plan (QAPP) Table B-2. That table has been reproduced as Table 4. All analytical methods were performed as described in the QAPP. That table has been reproduced as Table 6.

Table 4. Sampling procedures, containers, sample volumes, preservation and storage techniques, and holding times for samples collected in the field during the 2006 irrigation season sampling.

Parameter	Sample Container	Sample Volume ⁽¹⁾	Immediate Processing and Storage	Holding Time ⁽²⁾
Physical Parameters ⁽³⁾				
Color	Glass or polyethylene	500 mL	Store at 4°C	48 hours
Turbidity	Glass or polyethylene	150 mL	Store at 4°C	48 hours
Total Dissolved Solids	Polyethylene	500 mL	Store at 4°C	7 days
Drinking Water				
<i>E. coli</i> (pathogens)	Polyethylene (sterile)	100 mL	Store at 4°C	24 hours ⁽⁴⁾
Total Organic Carbon	Amber Glass VOA, PTFE-lined cap	125 mL	Preserve w/HCL; Store at 4°C	28 days
Toxicity				
Aquatic bioassays	Amber glass	5 gallons	Store at 4°C	36 hours
Sediment bioassays	Glass	2 liter	Store at 4°C	14 days
Pesticides				
Carbamates	Amber Glass	1 liter	Store at 4°C; Extract within 7 days	40 days
Organochlorines	Amber Glass	1 liter		
Organophosphates	Amber Glass	1 liter		
Pyrethroids	Amber Glass	1 liter		
Herbicides (general)	Amber Glass	1 liter		
Herbicides (paraquat)	Polyethylene	1 liter	Store at 4°C, freeze within 2 weeks	6 months
Herbicides (glyphosate)	Amber Glass VOA	40 ml (x2)		
Nutrients				
TKN, Ammonia, and Total Phosphorus	Polyethylene	500 mL	Preserve to ≤ pH 2 with H ₂ SO ₄ ; Store at 4°C	28 days
Nitrate as NO ₃ , Nitrite as N, and Soluble Ortho-Phosphate	Polyethylene	1000 mL	Store at 4°C	48 hours
Metals/Trace Elements				
Trace elements ⁽⁵⁾	Polyethylene	500 mL	Filter as necessary; Preserve to ≤ pH 2 with HNO ₃	40 days

1. Additional volumes may be required for QC analyses; NA = Not Applicable
2. Holding time after initial preservation or extraction.
3. Volume of water necessary to analyze the physical parameters is typically combined in multiple 1L polyethylene bottles, which provides sufficient volume for re-analyses and lab spike duplicates. This is only possible when the same laboratory provides the analyses for all of the physical parameters.
4. Samples for bacteria analyses should be set up as soon as possible.
5. To include arsenic, boron, cadmium, copper, lead, nickel, selenium, and zinc.

Table 5. Field parameters and instruments used to collect measurements.

Parameter	Instrument
Dissolved oxygen	YSI Model 556
Temperature	YSI Model 556
pH	YSI Model 556
Electrical Conductivity	YSI Model 556
Discharge	Swoffer Model 2100 Current Velocity Meter

Table 6. Analytical methods, reporting limits (RL) and units.

Analyte	Method	RL	Units
Physical Parameters			
Color	EPA 100.2	5.0	color units
Turbidity	EPA 180.1	1.0	NTU
Dissolved Solids, Total	EPA 160.1	10	mg/L
Drinking Water Parameters			
Escherischia coli (<i>E. coli</i>)	SM 9223	2	MPN/100 mL
Total Organic Carbon	EPA 415.1	0.5	mg/L
Nutrients			
Total Kjeldahl Nitrogen	EPA 351.3	0.5	mg/L
Nitrate as NO ₃	EPA 300.0	0.05	mg/L
Nitrite as Nitrogen	EPA 354.1	0.05	mg/L
Ammonia	EPA 350.2	0.10	mg/L
Hardness	EPA 130.2	10	mg/L
Total Phosphorus	EPA 365.2	0.01	mg/L
Soluble Orthophosphate	EPA 365.2	0.01	mg/L
Metals			
Arsenic	EPA 200.8	1	µg/L
Boron	EPA 200.8	10	µg/L
Cadmium	EPA 200.8	0.1	µg/L
Copper	EPA 200.8	0.5	µg/L
Lead	EPA 200.8	0.5	µg/L
Nickel	EPA 200.8	1	µg/L
Selenium	EPA 200.8	1	µg/L
Zinc	EPA 200.8	1	µg/L
Carbamate Pesticides			
Aldicarb	EPA 8321	0.5	µg/L
Carbaryl	EPA 8321	0.5	µg/L
Carbofuran	EPA 8321	0.5	µg/L
Methiocarb	EPA 8321	0.5	µg/L
Methomyl	EPA 8321	0.5	µg/L
Oxnamyl	EPA 8321	0.5	µg/L

Analyte	Method	RL	Units
Organochlorine Pesticides			
DDD	EPA 8081A	0.02	µg/L
DDE	EPA 8081A	0.01	µg/L
DDt	EPA 8081A	0.01	µg/L
Dicofol	EPA 8081A	0.1	µg/L
Dieldrin	EPA 8081A	0.01	µg/L
Endrin	EPA 8081A	0.01	µg/L
Methoxychlor	EPA 8081A	0.05	µg/L
Organophosphorus Pesticides			
Azinphos-methyl	EPA 8141A	0.1	µg/L
Chlorpyrifos	EPA 8141A	0.02	µg/L
Diazinon	EPA 8141A	0.02	µg/L
Dimethoate	EPA 8141A	0.1	µg/L
Disulfoton	EPA 8141A	0.1	µg/L
Malathion	EPA 8141A	0.1	µg/L
Methamidophos	EPA 8141A	0.2	µg/L
Methidathion	EPA 8141A	0.1	µg/L
Parathion-methyl	EPA 8141A	0.1	µg/L
Phorate	EPA 8141A	0.2	µg/L
Phosmet	EPA 8141A	0.2	µg/L
Pyrethroid Pesticides			
Biphenrin	EPA 8081A	0.05	µg/L
Cyfluthrin	EPA 8081A	0.05	µg/L
Cypermethrin	EPA 8081A	0.05	µg/L
Esfenvalerate	EPA 8081A	0.05	µg/L
Lambda-Cyhalothrin	EPA 8081A	0.05	µg/L
Permethrin	EPA 8081A	0.05	µg/L
Herbicides			
Atrazine	EPA 619	0.5	µg/L
Cyanazine	EPA 619	0.5	µg/L
Diuron	EPA 8321	0.5	µg/L
Glyphosate	EPA 547	5	µg/L
Linuron	EPA 8321	0.5	µg/L
Molinate	EPA 8141A	0.5	µg/L
Paraquat dichloride	EPA 549.1	0.5	µg/L
Simazine	EPA 619	0.5	µg/L
Thiobencarb	EPA 8141A	0.5	µg/L

COPY OF CHAIN OF CUSTODY FORMS

Chain of custody forms are included as printed pdfs provided by the laboratories in their lab reports (Appendix II). After receiving the COC's each lab scanned the forms and created pdf files for inclusion in their laboratory reports. As such, they are complete and accurate records of sample handling and processing and reflect the timing of sample collection and delivery to the laboratories. Sample collection and delivery was performed according to the QAPP submitted to the Regional Board if there were any discrepancies between the COC and sample delivery, the issues were resolved and documented. All documentation of updated COCs is included in Appendix II.

LAB AND FIELD QC RESULTS

Field quality control (QC) samples, including field duplicates and field blanks, were collected every sample event during the 2006/2007 storm monitoring events for each analyte. Appendix III (Tables III-1, III-2 and III-3) provide all field QC results for organics, inorganics and toxicity testing (field blanks not collected for toxicity analysis).

Laboratory quality assurance (LABQA) and quality control (QC) samples are run for each batch of samples analyzed by a specific method. A batch is determined by the preservation, extraction or analysis date depending on the analysis. For each batch, accuracy and precision are assessed by its associated LABQA (see ESJWQC QAPP Table B-6b-g and Table B-7 for a list of quality control requirements). For laboratory quality control samples, the sample date is set equal to the preservation, extraction or analysis date, whichever occurs first; some LABQA samples may appear to be duplicates due to multiple batches run on the same date.

If a result is outside of its quality control requirements it is flagged and the associated samples are evaluated accordingly. For organics, if a surrogate is outside of its percent recovery (PR) range all samples within that batch are flagged. All data are recorded in a SWAMP database replicate with a unique batch, batch code, and batch comments. Matrix spike (MS), laboratory control spike (LCS) and lab blank results are presented in Appendix III, Tables III-4, III-5, and III-6) for organics and inorganics (including *E. coli*, physical parameters, nutrients and metals).

PRECISION AND ACCURACY

All sites were sampled two times during the storm season of 2006/2007 except for the following that were dry:

All sites were sampled two times during the storm season of 2006/2007 except for the following that were dry:

- Ash Slough @ Ave 21 (02/11/07, 02/28/07)
- Berenda Slough along Ave 18 ½ (02/11/07, 02/28/07)
- Cottonwood Creek @ Rd 20 (02/11/07, 02/28/07)
- Dry Creek @ Rd 18 (02/28/07)
- Highline Canal @ Hwy 99 (02/28/07)
- South Slough @ Quinley Rd (02/11/07, 03/01/07)

Re-sampling of sites occurred to test for toxicity persistence at the following sites:

- Dry Creek @ Rd 18 (03/07/07)
- Highline Canal @ Lombardy Rd (03/07/07)

Chemistry

Due to the addition of new sites during the irrigation season of 2006, not all sites were sampled for all constituents. Including field blanks and field duplicates but not laboratory QCs, 34 organic (pesticides), 32 *E. coli*, 34 physical parameter, and 27 nutrient and metal samples were collected and analyzed. Data completeness for all chemistry analysis (number of samples collected / number of samples analyzed and reported) was 99%. During the second storm (February 28-March 1, 2007) there was a mix up in labeling the COCs between Bear Creek @ Kibby Rd and Black Rascal Creek @ Yosemite Rd. Bear Creek @ Kibby Rd was sampled for all constituents however the COC did not mark that it should be analyzed for metals and nutrients. Instead Black Rascal Creek @ Yosemite Rd was marked as requiring metal and nutrient analysis. Since the sites were sampled properly the laboratory was able to detect this mix-up for the metals, total Kjeldahl nitrogen, total phosphate and ammonia since these were collected in additional bottles. However, since nitrite, nitrate and orthophosphate are analyzed from the water collected for color, turbidity and total dissolved solids, the analysts did not analyze for these constituents for the Bear Creek @ Kibby Rd site.

For each storm event, one field duplicate and field blank were collected for each constituent to meet the field QC requirement of 5%. Field blanks and duplicates comprised 5% respectively of all samples for each constituent except for nutrient and metals (7%).

For constituents such as color, turbidity, TDS, and metals the values in the environmental sample may exceed the amount that the detector can detect and therefore requires a dilution. The result reported is the amount found in the diluted sample multiplied by the dilution factor to represent the amount of the

analyte present in the original sample. The dilution factor is recorded and the RL is increased by multiplying the RL for that analyte by the dilution factor. For each dilution that occurs, there is a corresponding increase in the limit of quantification.

For pesticides such as paraquat, co-elution, also referred to as matrix interference, may cause the RL to be raised and the sample is flagged. In such cases the dilution factor (DF) is recorded in the laboratory comments for each sample.

All results are reported in the Monitoring Results section of this report (Appendix 1). Each result is flagged if it does not meet data quality objectives (acceptability criteria) using SWAMP codes and can also be found in the SWAMP comparable database managed by the Coalition and posted on the RB ftp site. A review of the number of samples analyzed and the percentage per analyte that meets acceptability criteria are listed in the tables following this section. A brief overview is listed below to assess overall precision and accuracy per analyte (all pesticides are grouped and discussed together).

- Color: One hundred percent of all field blanks and fifty percent of field duplicates met acceptability criteria. The exceedance of the field duplicate may be due to one sample being diluted while the other was not and the fact that this was storm sampling where the water column is highly variable due to increased flows and suspended solids. CRMs and lab blanks were run with the color batches and all met laboratory QC criteria however the laboratory did not supply the information to the coalition and therefore is not included in the tables. Lab duplicates were recorded by the laboratory to assess precision and 75% had RPDs less than 25.
- Hardness: One hundred percent of field blanks were less than the RL. Fifty percent of field duplicates had RPDs less than 25. All laboratory QC met quality criteria. Lab control spikes, matrix spikes, matrix spike duplicates, lab duplicates and lab blanks were run with every batch and all met precision and accuracy requirements.
- Total Dissolved Solids (TDS): One hundred percent of field blanks and fifty percent of field duplicates met acceptance criteria. Lab blanks were run with every batch and were less than the RL for 100% of samples. Laboratory duplicates were analyzed with each batch and met acceptance criteria for 83% of samples. Lab control spikes and matrix spikes cannot be performed for TDS.
- Turbidity: One hundred percent of field duplicates and field blanks met acceptance criteria. Lab blanks were run with every batch and were less than the MDL. Laboratory duplicates were analyzed with each batch and

100% met acceptance criteria. Lab control spikes and matrix spikes cannot be performed for turbidity.

- Nitrate as N: One hundred percent of field duplicates and field blanks met acceptance criteria. Lab blanks were run with every batch and were less than the MDL for all samples. Lab control spikes, matrix spikes, matrix spike duplicates and laboratory duplicates were within acceptability criteria for all batches meeting accuracy and precision requirements.
- Ammonia as N: One hundred percent of field duplicates and field blanks met acceptance criteria. Lab blanks were run with every batch and were less than the MDL. Lab control spikes, matrix spikes and matrix spike duplicates were within acceptability criteria for all batches meeting requirements of accuracy and precision.
- Nitrogen, Total Kjeldahl (TKN): One hundred percent of field blanks and field duplicates met acceptance criteria. Lab blanks were run with every batch and were less than the MDL. Lab control spikes, matrix spikes and matrix spike duplicates were within acceptability criteria for all batches.
- Nitrite as N: One hundred percent of field duplicates and field blanks met acceptance criteria. Lab blanks were run with every batch and were less than the MDL. Lab control spikes were within acceptability criteria. Fifty percent of matrix spikes and 100% of matrix spike duplicates were within acceptability criteria.
- Orthophosphate as P: Fifty percent of field duplicates and 100% of field blanks met acceptance criteria. Lab blanks were run with every batch and were less than the MDL. Lab control spikes were within acceptability criteria. Eighty percent of matrix spikes and 100% of matrix spike duplicates were within acceptability criteria.
- Phosphate as P: One hundred percent of field duplicates met acceptance criteria. One field blank met criteria (50%). Lab blanks were run with every batch and were less than the MDL. Lab control spikes were within acceptability criteria. Seventy-five percent of matrix spikes and 100% of matrix spike duplicates were within acceptability criteria.
- Biological Oxygen Demand (BOD): The field duplicates and blanks collected met acceptance criteria. A lab control spike and lab duplicate were run in the BOD batches and met all acceptance criteria for accuracy and precision.
- Total Organic Carbon (TOC): Fifty percent of field duplicates and 100% field blanks met acceptance criteria. Lab blanks were run with every batch

and were less than the MDL. One hundred percent of lab control spikes, matrix spikes and matrix spike duplicates were within acceptability criteria.

- Total Metals: One hundred percent of field duplicates, except for zinc, met field precision criteria. For zinc 50% of all field duplicates had an RPD less than 25. All field blanks, except for selenium, met acceptance criteria. Fifty percent of selenium field blanks were less than the reporting limit or one fifth of the environmental sample. Laboratory blanks were run for each metals batch and 100% of samples met acceptability criteria. Laboratory control spikes were within acceptable recovery limits for 100% of samples run. Matrix spike recovery was within control limits for all samples except for nickel and selenium. Eighty percent of the nickel and selenium matrix spikes were within control limits (PR 75-125). All matrix spike duplicates met acceptability criteria.
- *E. coli*: Sterility checks, or laboratory blanks, negative control and positive control samples were run for each batch. One hundred percent of lab blanks performed by the laboratory were less than the MDL. One hundred percent of field blanks collected had *E. coli* numbers less than the RL of 1. R_{log} calculations were performed on *E. coli* laboratory duplicates by Caltest Laboratories. The mean R_{log} for the laboratory was calculated to be 0.40. This value multiplied by 3.27 resulted in a precision criterion of 1.30. All laboratory duplicates had R_{log} values below the criteria acceptance level. RPDs were also calculated for *E. coli* laboratory duplicates and 100% were less than 25. Due to the nature of the analysis method and *E. coli* distribution within the water column, it is not possible to use RPDs to assess precision however field duplicate RPDs have been recorded to monitor the variation in duplicates over time analyzed by the lab.
- Pesticides: All field blanks and field duplicates collected met acceptability criteria For the storm season pesticides were analyzed in 8 different groups: pyrethroids (EPA 8081A), organochlorines (EPA 8081A), organophosphates (EPA 8141A), carbamates (EPA 8321A), methamidophos (EPA 8141A), paraquat (EPA 549.2), glyphosate (EPA 547), and triazines (EPA 619). Lab blanks were performed for each batch and met acceptability criteria for contamination for all analysis. Matrix spikes and lab control spikes were performed for each batch to assess both precision and accuracy as well as possible matrix interference. Either a matrix spike duplicate and/or a lab control spike duplicate were performed per batch to assess precision. Surrogates were run for each analysis except for paraquat and glyphosate. Surrogate recoveries were within specific acceptance criteria for 97% of all samples analyzed. Laboratory control spikes and laboratory control spike duplicates were within acceptability criteria for 97% of all analytes. Laboratory precision, assessed by the RPD of laboratory duplicates, met acceptability criteria in

90% of lab control spike samples for all analytes and 99% of matrix spike duplicates for all samples. Matrix spikes were within acceptability criteria for 95% of all analytes. All batches with laboratory QCs outside of acceptability criteria have been flagged in addition to the specific sample and analyte. If a surrogate was out of acceptability criteria, the surrogate was flagged as well as the associated sample. Batches are approved by evaluating all measures of precision and accuracy such that although a single QC sample may be outside of acceptability criteria, the entire batch may be accepted due to other QCs within that batch meeting acceptability criteria. Issues have occurred with the paraquat analysis due to the tendency of this analyte to bind to particulates in the water column and the high amount of matrix interference. The laboratory doing paraquat analysis has improved their methods from the last SAMR which is reflected in higher recovery rates of spiked samples.

Hold times for all chemistry analysis were met.

Toxicity

For aquatic toxicity tests, the acceptability of test results is determined primarily by performance-based criteria for test organisms, culture and test conditions, and the results of control bioassays. Control bioassays include monthly reference toxicant testing and negative and solvent controls (for TIEs). Test acceptability requirements are documented in the method documents for each bioassay method and are included in the QAPP. In addition to the QA requirements for the toxicity testing methods, a minimum of 5% of the samples collected are required to be collected as field duplicates. Field duplicates were collected every sampling event such that the overall rate of field duplicates would be 5% of all samples. Due to a *Ceriodaphnia* sample mishap and the addition of samples due to retesting for toxicity as well as the occurrence of dry sites, the overall percentage of field duplicates are as follows: *Ceriodaphnia* 2.6%, *Pimephales* 5.1%, *Selenastrum* 4.5% and *Hyalella* 6.2%.

- Water Column Toxicity: field duplicates were collected during each storm event and were tested for *Ceriodaphnia*, *Selenastrum*, and *Pimephales*. For these three species RPDs for all field duplicates were within acceptability criteria (RPD < 25). All tests met holding time requirements (<36 hrs), water quality and control requirements (as listed in the EPA method guidelines). For the second storm event, the field duplicate sample for *Ceriodaphnia* was accidentally spilled within the laboratory. This was the last day of the test and due to holding time restrictions could not be re-tested. It was established that another sample would be collected the next time it rained however due to the extreme dry weather this winter another storm did not occur before the irrigation season.
- Sediment Toxicity: sediment was collected after the second storm season (March 7, 2006). A field duplicate was collected and was within

acceptability criteria. One hundred percent of the sediment samples had laboratory controls within acceptability criteria. All sediment samples met holding time criteria.

Table 7. ESJWQC Summary of Field Blank Quality Control Sample Evaluations. Samples were collected during the storm season of 2006/2007 and are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	<RL or < (env sample/5)	2	2	100.00
EPA 8321A CARB	Carbaryl	<RL or < (env sample/5)	2	2	100.00
EPA 8321A CARB	Carbofuran	<RL or < (env sample/5)	2	2	100.00
EPA 8321A CARB	Methiocarb	<RL or < (env sample/5)	2	2	100.00
EPA 8321A CARB	Methomyl	<RL or < (env sample/5)	2	2	100.00
EPA 8321A CARB	Oxamyl	<RL or < (env sample/5)	2	2	100.00
EPA 8321A CARB	Diuron	<RL or < (env sample/5)	2	2	100.00
EPA 8321A CARB	Linuron	<RL or < (env sample/5)	2	2	100.00
EPA 619	Atrazine	<RL or < (env sample/5)	2	2	100.00
EPA 619	Cyanazine	<RL or < (env sample/5)	2	2	100.00
EPA 619	Simazine	<RL or < (env sample/5)	2	2	100.00
EPA 547M	Glyphosate	<RL or < (env sample/5)	2	2	100.00
EPA 549.2M	Paraquat dichloride	<RL or < (env sample/5)	2	2	100.00
EPA 8081A OCH	DDD(p,p')	<RL or < (env sample/5)	2	2	100.00
EPA 8081A OCH	DDE(p,p')	<RL or < (env sample/5)	2	2	100.00
EPA 8081A OCH	DDT(p,p')	<RL or < (env sample/5)	2	2	100.00
EPA 8081A OCH	Dicofol	<RL or < (env sample/5)	2	2	100.00
EPA 8081A OCH	Dieldrin	<RL or < (env sample/5)	2	2	100.00
EPA 8081A OCH	Endrin	<RL or < (env sample/5)	2	2	100.00
EPA 8081A OCH	Methoxychlor	<RL or < (env sample/5)	2	2	100.00
EPA 8081A PYR	Bifenthrin	<RL or < (env sample/5)	2	2	100.00
EPA 8081A PYR	Cyfluthrin, total	<RL or < (env sample/5)	2	2	100.00
EPA 8081A PYR	Cypermethrin, total	<RL or < (env sample/5)	2	2	100.00
EPA 8081A PYR	Esfenvalerate/Fenvalerate, total	<RL or < (env sample/5)	2	2	100.00
EPA 8081A PYR	Cyhalothrin, lambda, total	<RL or < (env sample/5)	2	2	100.00
EPA 8081A PYR	Permethrin, total	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Azinphos methyl	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Chlorpyrifos	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Diazinon	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Dimethoate	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Disulfoton	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Malathion	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Methidathion	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Parathion, Methyl	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Phorate	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Phosmet	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Molinate	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Thiobencarb	<RL or < (env sample/5)	2	2	100.00
EPA 8141A OP	Methamidophos	<RL or < (env sample/5)	2	2	100.00
EPA 110.2	Color	<RL or < (env sample/5)	2	2	100.00
EPA 130.2	Hardness as CaCO3	<RL or < (env sample/5)	2	2	100.00

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 160.1	Total Dissolved Solids	<RL or < (env sample/5)	2	2	100.00
EPA 180.1	Turbidity	<RL or < (env sample/5)	2	2	100.00
EPA 300.0	Nitrate as N	<RL or < (env sample/5)	2	2	100.00
EPA 350.2	Ammonia as N	<RL or < (env sample/5)	2	2	100.00
EPA 351.3	Nitrogen, Total Kjeldahl	<RL or < (env sample/5)	2	2	100.00
EPA 354.1	Nitrite as N	<RL or < (env sample/5)	2	2	100.00
EPA 365.2	OrthoPhosphate as P	<RL or < (env sample/5)	2	2	100.00
EPA 365.2	Phosphate as P	<RL or < (env sample/5)	2	0	0.00
EPA 405.1	BOD	<RL or < (env sample/5)	2	2	100.00
EPA 415.1	Total Organic Carbon	<RL or < (env sample/5)	2	2	100.00
SM 9223	E. coli	<RL or < (env sample/5)	2	2	100.00
EPA 200.8	Arsenic	<RL or < (env sample/5)	2	2	100.00
EPA 200.8	Boron	<RL or < (env sample/5)	2	2	100.00
EPA 200.8	Cadmium	<RL or < (env sample/5)	2	2	100.00
EPA 200.8	Copper	<RL or < (env sample/5)	2	2	100.00
EPA 200.8	Lead	<RL or < (env sample/5)	2	2	100.00
EPA 200.8	Nickel	<RL or < (env sample/5)	2	2	100.00
EPA 200.8	Selenium	<RL or < (env sample/5)	2	1	50.00
EPA 200.8	Zinc	<RL or < (env sample/5)	2	2	100.00
		TOTAL	120	117	97.50

Table 8. ESJWQC Summary of Field Duplicate Quality Control Sample Evaluations.

Samples were collected during the storm season of 2006/2007 and are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Carbaryl	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Carbofuran	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Methiocarb	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Methomyl	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Oxamyl	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Diuron	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Linuron	RPD $\leq$ 25	2	2	100.00
EPA 619	Atrazine	RPD $\leq$ 25	2	2	100.00
EPA 619	Cyanazine	RPD $\leq$ 25	2	2	100.00
EPA 619	Simazine	RPD $\leq$ 25	2	2	100.00
EPA 547M	Glyphosate	RPD $\leq$ 25	2	2	100.00
EPA 549.2M	Paraquat dichloride	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	DDD(p,p')	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	DDE(p,p')	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	DDT(p,p')	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	Dicofol	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	Dieldrin	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	Endrin	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	Methoxychlor	RPD $\leq$ 25	2	2	100.00
EPA 8081A PYR	Bifenthrin	RPD $\leq$ 25	2	2	100.00
EPA 8081A PYR	Cyfluthrin, total	RPD $\leq$ 25	2	2	100.00
EPA 8081A PYR	Cypermethrin, total	RPD $\leq$ 25	2	2	100.00
EPA 8081A PYR	Esfenvalerate/Fenvalerate, total	RPD $\leq$ 25	2	2	100.00
EPA 8081A PYR	Cyhalothrin, lambda, total	RPD $\leq$ 25	2	2	100.00
EPA 8081A PYR	Permethrin, total	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Azinphos methyl	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Chlorpyrifos	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Diazinon	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Dimethoate	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Disulfoton	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Malathion	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Methidathion	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Parathion, Methyl	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Phorate	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Phosmet	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Molinate	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Thiobencarb	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Methamidophos	RPD $\leq$ 25	2	2	100.00
EPA 110.2	Color	RPD $\leq$ 25	2	1	50.00
EPA 130.2	Hardness as CaCO3	RPD $\leq$ 25	2	1	50.00
EPA 160.1	Total Dissolved Solids	RPD $\leq$ 25	2	1	50.00
EPA 180.1	Turbidity	RPD $\leq$ 25	2	2	100.00
EPA 300.0	Nitrate as N	RPD $\leq$ 25	2	2	100.00
EPA 350.2	Ammonia as N	RPD $\leq$ 25	2	2	100.00

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 351.3	Nitrogen, Total Kjeldahl	RPD $\leq$ 25	2	2	100.00
EPA 354.1	Nitrite as N	RPD $\leq$ 25	2	2	100.00
EPA 365.2	OrthoPhosphate as P	RPD $\leq$ 25	2	1	50.00
EPA 365.2	Phosphate as P	RPD $\leq$ 25	2	2	100.00
EPA 405.1	BOD	RPD $\leq$ 25	2	2	100.00
EPA 415.1	Total Organic Carbon	RPD $\leq$ 25	2	1	50.00
SM 9223	E. coli	RPD $\leq$ 25	2	2	100.00
EPA 200.8	Arsenic	RPD $\leq$ 25	2	2	100.00
EPA 200.8	Boron	RPD $\leq$ 25	2	2	100.00
EPA 200.8	Cadmium	RPD $\leq$ 25	2	2	100.00
EPA 200.8	Copper	RPD $\leq$ 25	2	2	100.00
EPA 200.8	Lead	RPD $\leq$ 25	2	2	100.00
EPA 200.8	Nickel	RPD $\leq$ 25	2	2	100.00
EPA 200.8	Selenium	RPD $\leq$ 25	2	2	100.00
EPA 200.8	Zinc	RPD $\leq$ 25	2	1	50.00
		TOTAL	120	114	95.00

Table 9. ESJWQC Summary of Method Blank Quality Control Sample Evaluations.

Laboratory blanks were analyzed in batches with samples collected during the storm season of 2006/2007 and are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	<RL	2	2	100.00
EPA 8321A CARB	Carbaryl	<RL	2	2	100.00
EPA 8321A CARB	Carbofuran	<RL	2	2	100.00
EPA 8321A CARB	Methiocarb	<RL	2	2	100.00
EPA 8321A CARB	Methomyl	<RL	2	2	100.00
EPA 8321A CARB	Oxamyl	<RL	2	2	100.00
EPA 8321A CARB	Diuron	<RL	2	2	100.00
EPA 8321A CARB	Linuron	<RL	2	2	100.00
EPA 619	Atrazine	<RL	2	2	100.00
EPA 619	Cyanazine	<RL	2	2	100.00
EPA 619	Simazine	<RL	2	2	100.00
EPA 547M	Glyphosate	<RL	4	4	100.00
EPA 549.2M	Paraquat dichloride	<RL	6	6	100.00
EPA 8081A OCH	DDD(p,p')	<RL	2	2	100.00
EPA 8081A OCH	DDE(p,p')	<RL	2	2	100.00
EPA 8081A OCH	DDT(p,p')	<RL	2	2	100.00
EPA 8081A OCH	Dicofol	<RL	2	2	100.00
EPA 8081A OCH	Dieldrin	<RL	2	2	100.00
EPA 8081A OCH	Endrin	<RL	2	2	100.00
EPA 8081A OCH	Methoxychlor	<RL	2	2	100.00
EPA 8081A PYR	Bifenthrin	<RL	2	2	100.00
EPA 8081A PYR	Cyfluthrin, total	<RL	2	2	100.00
EPA 8081A PYR	Cypermethrin, total	<RL	2	2	100.00
EPA 8081A PYR	Esfenvalerate/Fenvalerate, total	<RL	2	2	100.00
EPA 8081A PYR	Cyhalothrin, lambda, total	<RL	2	2	100.00
EPA 8081A PYR	Permethrin, total	<RL	2	2	100.00
EPA 8141A OP	Azinphos methyl	<RL	2	2	100.00
EPA 8141A OP	Chlorpyrifos	<RL	2	2	100.00
EPA 8141A OP	Diazinon	<RL	2	2	100.00
EPA 8141A OP	Dimethoate	<RL	2	2	100.00
EPA 8141A OP	Disulfoton	<RL	2	2	100.00
EPA 8141A OP	Malathion	<RL	2	2	100.00
EPA 8141A OP	Methidathion	<RL	2	2	100.00
EPA 8141A OP	Parathion, Methyl	<RL	2	2	100.00
EPA 8141A OP	Phorate	<RL	2	2	100.00
EPA 8141A OP	Phosmet	<RL	2	2	100.00
EPA 8141A OP	Molinate	<RL	2	2	100.00
EPA 8141A OP	Thiobencarb	<RL	2	2	100.00
EPA 8141A OP	Methamidophos	<RL	2	2	100.00
EPA 110.2	Color	<RL	5	5	100.00
EPA 130.2	Hardness as CaCO3	<RL	4	4	100.00
EPA 160.1	Total Dissolved Solids	<RL	6	6	100.00
EPA 180.1	Turbidity	<RL	5	5	100.00
EPA 300.0	Nitrate as N	<RL	4	4	100.00
EPA 350.2	Ammonia as N	<RL	4	4	100.00
EPA 351.3	Nitrogen, Total Kjeldahl	<RL	6	6	100.00
EPA 354.1	Nitrite as N	<RL	5	5	100.00

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 365.2	OrthoPhosphate as P	<RL	5	5	100.00
EPA 365.2	Phosphate as P	<RL	5	5	100.00
EPA 405.1	BOD	<RL			NA
EPA 415.1	Total Organic Carbon	<RL	5	5	100.00
SM 9223	E. coli	<RL	4	4	100.00
EPA 200.8	Arsenic	<RL	5	5	100.00
EPA 200.8	Boron	<RL	4	4	100.00
EPA 200.8	Cadmium	<RL	5	5	100.00
EPA 200.8	Copper	<RL	5	5	100.00
EPA 200.8	Lead	<RL	5	5	100.00
EPA 200.8	Nickel	<RL	5	5	100.00
EPA 200.8	Selenium	<RL	5	5	100.00
EPA 200.8	Zinc	<RL	5	5	100.00
		TOTAL	181	181	100.00

Table 10. ESJWQC Summary of Lab Control Spike Quality Control Sample Evaluations

Laboratory control spikes and laboratory control spike duplicates were analyzed in batches with samples collected during the storm season of 2006/2007 and are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	PR 44-132	2	2	100.00
EPA 8321A CARB	Carbaryl	PR 68-112	2	2	100.00
EPA 8321A CARB	Carbofuran	PR 54-155	2	2	100.00
EPA 8321A CARB	Methiocarb	PR 63-123	2	2	100.00
EPA 8321A CARB	Methomyl	PR 34-125	2	2	100.00
EPA 8321A CARB	Oxamyl	PR 10-117	2	2	100.00
EPA 8321A CARB	Diuron	PR 72-124	2	2	100.00
EPA 8321A CARB	Linuron	PR 64-131	2	2	100.00
EPA 619	Atrazine	PR 39-156	2	2	100.00
EPA 619	Cyanazine	PR 22-172	2	2	100.00
EPA 619	Simazine	PR 21-179	2	2	100.00
EPA 547M	Glyphosate	PR 76-127	8	8	100.00
EPA 549.2M	Paraquat dichloride	PR 50-126	12	11	91.67
EPA 8081A OCH	DDD(p,p')	PR 38-135	2	2	100.00
EPA 8081A OCH	DDE(p,p')	PR 21-134	2	2	100.00
EPA 8081A OCH	DDT(p,p')	PR 18-145	2	2	100.00
EPA 8081A OCH	Dicofol	PR 40-135	2	2	100.00
EPA 8081A OCH	Dieldrin	PR 48-121	2	2	100.00
EPA 8081A OCH	Endrin	PR 24-143	2	2	100.00
EPA 8081A OCH	Methoxychlor	PR 30-163	2	2	100.00
EPA 8081A PYR	Bifenthrin	PR 52-117	2	2	100.00
EPA 8081A PYR	Cyfluthrin	PR 53-125	2	2	100.00
EPA 8081A PYR	Cypermethrin	PR 55-107	2	2	100.00
EPA 8081A PYR	Esfenvalerate/Fenvalerate, total	PR 52-117	2	2	100.00
EPA 8081A PYR	Cyhalothrin, lambda, total	PR 62-104	2	2	100.00
EPA 8081A PYR	Permethrin, total	PR 24-166	2	2	100.00
EPA 8141A OP	Azinphos methyl	PR 36-189	2	2	100.00
EPA 8141A OP	Chlorpyrifos	PR 61-125	2	1	50.00
EPA 8141A OP	Diazinon	PR 57-130	2	2	100.00
EPA 8141A OP	Dimethoate	PR 68-202	2	2	100.00
EPA 8141A OP	Disulfoton	PR 47-117	2	2	100.00
EPA 8141A OP	Malathion	PR 47-125	2	2	100.00
EPA 8141A OP	Methidathion	PR 50-150	2	2	100.00
EPA 8141A OP	Parathion, Methyl	PR 55-164	2	2	100.00
EPA 8141A OP	Phorate	PR 44-117	2	2	100.00
EPA 8141A OP	Phosmet	PR 50-150	2	2	100.00
EPA 8141A OP	Molinate	PR 50-150	2	2	100.00
EPA 8141A OP	Thiobencarb	PR 50-150	2	2	100.00
EPA 8141A OP	Methamidophos	PR 40-135	4	3	75.00
EPA 110.2	Color	PR 80-120			NA
EPA 130.2	Hardness as CaCO3	PR 80-120	4	4	100.00
EPA 160.1	Total Dissolved Solids	PR 80-120	6	6	100.00
EPA 180.1	Turbidity	PR 80-120			NA
EPA 300.0	Nitrate as N	PR 80-120	4	4	100.00
EPA 350.2	Ammonia as N	PR 80-120	4	4	100.00

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 351.3	Nitrogen, Total Kjeldahl	PR 80-120	6	6	100.00
EPA 354.1	Nitrite as N	PR 80-120	5	5	100.00
EPA 365.2	OrthoPhosphate as P	PR 80-120	5	5	100.00
EPA 365.2	Phosphate as P	PR 80-120	5	5	100.00
EPA 405.1	BOD	PR 80-120	4	4	100.00
EPA 415.1	Total Organic Carbon	PR 80-120	5	5	100.00
SM 9223	E. coli	PR 80-120			NA
EPA 200.8	Arsenic	PR 75-125	5	5	100.00
EPA 200.8	Boron	PR 75-125	4	4	100.00
EPA 200.8	Cadmium	PR 75-125	5	5	100.00
EPA 200.8	Copper	PR 75-125	5	5	100.00
EPA 200.8	Lead	PR 75-125	5	5	100.00
EPA 200.8	Nickel	PR 75-125	5	5	100.00
EPA 200.8	Selenium	PR 75-125	5	5	100.00
EPA 200.8	Zinc	PR 75-125	5	5	100.00
		TOTAL	183	180	98.36

Table 11. ESJWQC Summary of Lab Control Spike Duplicate Quality Control Sample Evaluations

Laboratory control spikes and laboratory control spike duplicates were analyzed in batches with samples collected during the storm season of 2006/2007 and are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Pairs	Pairs Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	RPD $\leq$ 25			NA
EPA 8321A CARB	Carbaryl	RPD $\leq$ 25			NA
EPA 8321A CARB	Carbofuran	RPD $\leq$ 25			NA
EPA 8321A CARB	Methiocarb	RPD $\leq$ 25			NA
EPA 8321A CARB	Methomyl	RPD $\leq$ 25			NA
EPA 8321A CARB	Oxamyl	RPD $\leq$ 25			NA
EPA 8321A CARB	Diuron	RPD $\leq$ 25			NA
EPA 8321A CARB	Linuron	RPD $\leq$ 25			NA
					NA
EPA 619	Atrazine	RPD $\leq$ 25			NA
EPA 619	Cyanazine	RPD $\leq$ 25			NA
EPA 619	Simazine	RPD $\leq$ 25			NA
EPA 547M	Glyphosate	RPD $\leq$ 25	4	4	100.00
EPA 549.2M	Paraquat dichloride	RPD $\leq$ 25	6	5	83.33
EPA 8081A OCH	DDD(p,p')	RPD $\leq$ 25			NA
EPA 8081A OCH	DDE(p,p')	RPD $\leq$ 25			NA
EPA 8081A OCH	DDT(p,p')	RPD $\leq$ 25			NA
EPA 8081A OCH	Dicofol	RPD $\leq$ 25			NA
EPA 8081A OCH	Dieldrin	RPD $\leq$ 25			NA
EPA 8081A OCH	Endrin	RPD $\leq$ 25			NA
EPA 8081A OCH	Methoxychlor	RPD $\leq$ 25			NA
EPA 8081A PYR	Bifenthrin	RPD $\leq$ 25			NA
EPA 8081A PYR	Cyfluthrin	RPD $\leq$ 25			NA
EPA 8081A PYR	Cypermethrin	RPD $\leq$ 25			NA
EPA 8081A PYR	Esfenvalerate/Fenvalerate, total	RPD $\leq$ 25			NA
EPA 8081A PYR	Cyhalothrin, lambda, total	RPD $\leq$ 25			NA
EPA 8081A PYR	Permethrin, total	RPD $\leq$ 25			NA
EPA 8141A OP	Azinphos methyl	RPD $\leq$ 25			NA
EPA 8141A OP	Chlorpyrifos	RPD $\leq$ 25			NA
EPA 8141A OP	Diazinon	RPD $\leq$ 25			NA
EPA 8141A OP	Dimethoate	RPD $\leq$ 25			NA
EPA 8141A OP	Disulfoton	RPD $\leq$ 25			NA
EPA 8141A OP	Malathion	RPD $\leq$ 25			NA
EPA 8141A OP	Methidathion	RPD $\leq$ 25			NA
EPA 8141A OP	Parathion, Methyl	RPD $\leq$ 25			NA
EPA 8141A OP	Phorate	RPD $\leq$ 25			NA
EPA 8141A OP	Phosmet	RPD $\leq$ 25			NA
EPA 8141A OP	Molinate	RPD $\leq$ 25			NA
EPA 8141A OP	Thiobencarb	RPD $\leq$ 25			NA
EPA 8141A OP	Methamidophos	RPD $\leq$ 25	1	1	100.00
EPA 110.2	Color	RPD $\leq$ 25			NA
EPA 130.2	Hardness as CaCO3	RPD $\leq$ 25			NA
EPA 160.1	Total Dissolved Solids	RPD $\leq$ 25			NA
EPA 180.1	Turbidity	RPD $\leq$ 25			NA
EPA 300.0	Nitrate as N	RPD $\leq$ 25			NA
EPA 350.2	Ammonia as N	RPD $\leq$ 25			NA

Method	Analyte	Data Quality Objective	Number of Pairs	Pairs Within Control Limits	Percent Samples Acceptable
EPA 351.3	Nitrogen, Total Kjeldahl	RPD $\leq$ 25			NA
EPA 354.1	Nitrite as N	RPD $\leq$ 25			NA
EPA 365.2	OrthoPhosphate as P	RPD $\leq$ 25			NA
EPA 365.2	Phosphate as P	RPD $\leq$ 25			NA
EPA 405.1	BOD	RPD $\leq$ 25			NA
EPA 415.1	Total Organic Carbon	RPD $\leq$ 25			NA
SM 9223	E. coli	RPD $\leq$ 25			NA
EPA 200.8	Arsenic	RPD $\leq$ 25			NA
EPA 200.8	Boron	RPD $\leq$ 25			NA
EPA 200.8	Cadmium	RPD $\leq$ 25			NA
EPA 200.8	Copper	RPD $\leq$ 25			NA
EPA 200.8	Lead	RPD $\leq$ 25			NA
EPA 200.8	Nickel	RPD $\leq$ 25			NA
EPA 200.8	Selenium	RPD $\leq$ 25			NA
EPA 200.8	Zinc	RPD $\leq$ 25			NA
		TOTAL	11	10	90.91

Table 12. ESJWQC Summary of Matrix Spike Quality Control Sample Evaluations.

Matrix spikes and matrix spike duplicates were collected during the storm season of 2006/2007. Included in the following table are NONAG matrix spikes included for batch quality assurance purposes. Evaluations are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	PR 44-132	4	4	100.00
EPA 8321A CARB	Carbaryl	PR 68-112	4	4	100.00
EPA 8321A CARB	Carbofuran	PR 54-155	4	4	100.00
EPA 8321A CARB	Methiocarb	PR 63-123	4	4	100.00
EPA 8321A CARB	Methomyl	PR 34-125	4	4	100.00
EPA 8321A CARB	Oxamyl	PR 10-117	4	4	100.00
EPA 8321A CARB	Diuron	PR 72-124	4	4	100.00
EPA 8321A CARB	Linuron	PR 64-131	4	4	100.00
EPA 619	Atrazine	PR 39-156	4	4	100.00
EPA 619	Cyanazine	PR 22-172	4	4	100.00
EPA 619	Simazine	PR 21-179	4	4	100.00
EPA 547M	Glyphosate	PR 76-127	6	6	100.00
EPA 549.2M	Paraquat dichloride	PR 50-126	9	5	55.56
EPA 8081A OCH	DDD(p,p')	PR 38-135	4	4	100.00
EPA 8081A OCH	DDE(p,p')	PR 21-134	4	4	100.00
EPA 8081A OCH	DDT(p,p')	PR 18-145	4	4	100.00
EPA 8081A OCH	Dicofol	PR 40-135	4	4	100.00
EPA 8081A OCH	Dieldrin	PR 48-121	4	4	100.00
EPA 8081A OCH	Endrin	PR 24-143	4	4	100.00
EPA 8081A OCH	Methoxychlor	PR 30-163	4	4	100.00
EPA 8081A PYR	Bifenthrin	PR 52-117	4	4	100.00
EPA 8081A PYR	Cyfluthrin	PR 53-125	4	3	75.00
EPA 8081A PYR	Cypermethrin	PR 55-107	4	4	100.00
EPA 8081A PYR	Esfenvalerate/Fenvalerate, total	PR 52-117	4	4	100.00
EPA 8081A PYR	Cyhalothrin, lambda, total	PR 62-104	4	4	100.00
EPA 8081A PYR	Permethrin, total	PR 24-166	4	4	100.00
EPA 8141A OP	Azinphos methyl	PR 36-189	4	4	100.00
EPA 8141A OP	Chlorpyrifos	PR 61-125	4	3	75.00
EPA 8141A OP	Diazinon	PR 57-130	4	4	100.00
EPA 8141A OP	Dimethoate	PR 68-202	4	4	100.00
EPA 8141A OP	Disulfoton	PR 47-117	4	4	100.00
EPA 8141A OP	Malathion	PR 47-125	4	4	100.00
EPA 8141A OP	Methidathion	PR 50-150	4	4	100.00
EPA 8141A OP	Parathion, Methyl	PR 55-164	4	4	100.00
EPA 8141A OP	Phorate	PR 44-117	4	3	75.00
EPA 8141A OP	Phosmet	PR 50-150	4	4	100.00
EPA 8141A OP	Molinate	PR 50-150	4	4	100.00
EPA 8141A OP	Thiobencarb	PR 50-150	4	4	100.00
EPA 8141A OP	Methamidophos	PR 40-135	4	3	75.00
EPA 110.2	Color	PR 80-120			NA
EPA 130.2	Hardness as CaCO3	PR 80-120	4	4	100.00
EPA 160.1	Total Dissolved Solids	PR 80-120			NA

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 180.1	Turbidity	PR 80-120			NA
EPA 300.0	Nitrate as N	PR 80-120	6	6	100.00
EPA 350.2	Ammonia as N	PR 80-120	8	8	100.00
EPA 351.3	Nitrogen, Total Kjeldahl	PR 80-120	12	12	100.00
EPA 354.1	Nitrite as N	PR 80-120	10	5	50.00
EPA 365.2	OrthoPhosphate as P	PR 80-120	10	8	80.00
EPA 365.2	Phosphate as P	PR 80-120	8	6	75.00
EPA 405.1	BOD	PR 80-120			NA
EPA 415.1	Total Organic Carbon	PR 80-120	14	14	100.00
SM 9223	E. coli	PR 80-120			NA
EPA 200.8	Arsenic	PR 75-125	10	10	100.00
EPA 200.8	Boron	PR 75-125	8	8	100.00
EPA 200.8	Cadmium	PR 75-125	10	10	100.00
EPA 200.8	Copper	PR 75-125	10	10	100.00
EPA 200.8	Lead	PR 75-125	10	10	100.00
EPA 200.8	Nickel	PR 75-125	10	8	80.00
EPA 200.8	Selenium	PR 75-125	10	8	80.00
EPA 200.8	Zinc	PR 75-125	10	10	100.00
		TOTAL	313	292	93.29

Table 13. ESJWQC Summary of Matrix Spike Duplicate Quality Control Sample Evaluations.

Matrix spikes and matrix spike duplicates were collected during the storm season of 2006/2007. Included in the following table are NONAG matrix spikes included for batch quality assurance purposes. Evaluations are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Pairs	Pairs Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Carbaryl	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Carbofuran	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Methiocarb	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Methomyl	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Oxamyl	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Diuron	RPD $\leq$ 25	2	2	100.00
EPA 8321A CARB	Linuron	RPD $\leq$ 25	2	2	100.00
EPA 619	Atrazine	RPD $\leq$ 25	2	2	100.00
EPA 619	Cyanazine	RPD $\leq$ 25	2	2	100.00
EPA 619	Simazine	RPD $\leq$ 25	2	2	100.00
EPA 547M	Glyphosate	RPD $\leq$ 25	3	3	100.00
EPA 549.2M	Paraquat dichloride	RPD $\leq$ 25	4	4	100.00
EPA 8081A OCH	DDD(p,p')	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	DDE(p,p')	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	DDT(p,p')	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	Dicofol	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	Dieldrin	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	Endrin	RPD $\leq$ 25	2	2	100.00
EPA 8081A OCH	Methoxychlor	RPD $\leq$ 25	2	2	100.00
EPA 8081A PYR	Bifenthrin	RPD $\leq$ 25	2	2	100.00
EPA 8081A PYR	Cyfluthrin	RPD $\leq$ 25	2	1	50.00
EPA 8081A PYR	Cypermethrin	RPD $\leq$ 25	2	2	100.00
EPA 8081A PYR	Esfenvalerate/Fenvalerate, total	RPD $\leq$ 25	2	2	100.00
EPA 8081A PYR	Cyhalothrin, lambda, total	RPD $\leq$ 25	2	2	100.00
EPA 8081A PYR	Permethrin, total	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Azinphos methyl	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Chlorpyrifos	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Diazinon	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Dimethoate	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Disulfoton	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Malathion	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Methidathion	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Parathion, Methyl	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Phorate	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Phosmet	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Molinate	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Thiobencarb	RPD $\leq$ 25	2	2	100.00
EPA 8141A OP	Methamidophos	RPD $\leq$ 25	2	2	100.00
EPA 110.2	Color	RPD $\leq$ 25			NA
EPA 130.2	Hardness as CaCO3	RPD $\leq$ 25	2	2	100.00
EPA 160.1	Total Dissolved Solids	RPD $\leq$ 25			NA
EPA 180.1	Turbidity	RPD $\leq$ 25			NA
EPA 300.0	Nitrate as N	RPD $\leq$ 25	3	3	100.00

Method	Analyte	Data Quality Objective	Number of Pairs	Pairs Within Control Limits	Percent Samples Acceptable
EPA 350.2	Ammonia as N	RPD $\leq$ 25	4	4	100.00
EPA 351.3	Nitrogen, Total Kjeldahl	RPD $\leq$ 25	6	6	100.00
EPA 354.1	Nitrite as N	RPD $\leq$ 25	5	5	100.00
EPA 365.2	OrthoPhosphate as P	RPD $\leq$ 25	5	5	100.00
EPA 365.2	Phosphate as P	RPD $\leq$ 25	4	4	100.00
EPA 405.1	BOD	RPD $\leq$ 25			NA
EPA 415.1	Total Organic Carbon	RPD $\leq$ 25	7	7	100.00
SM 9223	E. coli	RPD $\leq$ 25			NA
EPA 200.8	Arsenic	RPD $\leq$ 25	5	5	100.00
EPA 200.8	Boron	RPD $\leq$ 25	4	4	100.00
EPA 200.8	Cadmium	RPD $\leq$ 25	5	5	100.00
EPA 200.8	Copper	RPD $\leq$ 25	5	5	100.00
EPA 200.8	Lead	RPD $\leq$ 25	5	5	100.00
EPA 200.8	Nickel	RPD $\leq$ 25	5	5	100.00
EPA 200.8	Selenium	RPD $\leq$ 25	5	5	100.00
EPA 200.8	Zinc	RPD $\leq$ 25	5	5	100.00
		TOTAL	156	155	99.36

Table 14. ESJWQC Summary of Lab Duplicate Quality Control Sample Evaluations.

Samples were analyzed in batches with samples collected during the storm season of 2006/2007, and also include NONAG matrix spikes included for batch quality assurance purposes, and are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	RPD $\leq$ 25			NA
EPA 8321A CARB	Carbaryl	RPD $\leq$ 25			NA
EPA 8321A CARB	Carbofuran	RPD $\leq$ 25			NA
EPA 8321A CARB	Methiocarb	RPD $\leq$ 25			NA
EPA 8321A CARB	Methomyl	RPD $\leq$ 25			NA
EPA 8321A CARB	Oxamyl	RPD $\leq$ 25			NA
EPA 8321A CARB	Diuron	RPD $\leq$ 25			NA
EPA 8321A CARB	Linuron	RPD $\leq$ 25			NA
EPA 619	Atrazine	RPD $\leq$ 25			NA
EPA 619	Cyanazine	RPD $\leq$ 25			NA
EPA 619	Simazine	RPD $\leq$ 25			NA
EPA 547M	Glyphosate	RPD $\leq$ 25			NA
EPA 549.2M	Paraquat dichloride	RPD $\leq$ 25			NA
EPA 8081A OCH	DDD(p,p')	RPD $\leq$ 25			NA
EPA 8081A OCH	DDE(p,p')	RPD $\leq$ 25			NA
EPA 8081A OCH	DDT(p,p')	RPD $\leq$ 25			NA
EPA 8081A OCH	Dicofol	RPD $\leq$ 25			NA
EPA 8081A OCH	Dieldrin	RPD $\leq$ 25			NA
EPA 8081A OCH	Endrin	RPD $\leq$ 25			NA
EPA 8081A OCH	Methoxychlor	RPD $\leq$ 25			NA
EPA 8081A PYR	Bifenthrin	RPD $\leq$ 25			NA
EPA 8081A PYR	Cyfluthrin, total	RPD $\leq$ 25			NA
EPA 8081A PYR	Cypermethrin, total	RPD $\leq$ 25			NA
EPA 8081A PYR	Esfenvalerate/Fenvalerate, total	RPD $\leq$ 25			NA
EPA 8081A PYR	Cyhalothrin, lambda, total	RPD $\leq$ 25			NA
EPA 8081A PYR	Permethrin, total	RPD $\leq$ 25			NA
EPA 8141A OP	Azinphos methyl	RPD $\leq$ 25			NA
EPA 8141A OP	Chlorpyrifos	RPD $\leq$ 25			NA
EPA 8141A OP	Diazinon	RPD $\leq$ 25			NA
EPA 8141A OP	Dimethoate	RPD $\leq$ 25			NA
EPA 8141A OP	Disulfoton	RPD $\leq$ 25			NA
EPA 8141A OP	Malathion	RPD $\leq$ 25			NA
EPA 8141A OP	Methidathion	RPD $\leq$ 25			NA
EPA 8141A OP	Parathion, Methyl	RPD $\leq$ 25			NA
EPA 8141A OP	Phorate	RPD $\leq$ 25			NA
EPA 8141A OP	Phosmet	RPD $\leq$ 25			NA
EPA 8141A OP	Molinate	RPD $\leq$ 25			NA
EPA 8141A OP	Thiobencarb	RPD $\leq$ 25			NA
EPA 8141A OP	Methamidophos	RPD $\leq$ 25			NA
EPA 110.2	Color	RPD $\leq$ 25	4	3	75.00
EPA 130.2	Hardness as CaCO3	RPD $\leq$ 25			NA
EPA 160.1	Total Dissolved Solids	RPD $\leq$ 25	6	5	83.33
EPA 180.1	Turbidity	RPD $\leq$ 25	5	5	100.00
EPA 300.0	Nitrate as N	RPD $\leq$ 25			NA
EPA 350.2	Ammonia as N	RPD $\leq$ 25			NA

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 351.3	Nitrogen, Total Kjeldahl	RPD $\leq$ 25			NA
EPA 354.1	Nitrite as N	RPD $\leq$ 25			NA
EPA 365.2	OrthoPhosphate as P	RPD $\leq$ 25			NA
EPA 365.2	Phosphate as P	RPD $\leq$ 25			NA
EPA 405.1	BOD	RPD $\leq$ 25	5	5	100.00
EPA 415.1	Total Organic Carbon	RPD $\leq$ 25			NA
SM 9223	E. coli	RPD $\leq$ 25	2	2	100.00
EPA 200.8	Arsenic	RPD $\leq$ 25			NA
EPA 200.8	Boron	RPD $\leq$ 25			NA
EPA 200.8	Cadmium	RPD $\leq$ 25			NA
EPA 200.8	Copper	RPD $\leq$ 25			NA
EPA 200.8	Lead	RPD $\leq$ 25			NA
EPA 200.8	Nickel	RPD $\leq$ 25			NA
EPA 200.8	Selenium	RPD $\leq$ 25			NA
EPA 200.8	Zinc	RPD $\leq$ 25			NA
		TOTAL	22	20	90.91

Table 15. ESJWQC Summary of Surrogate Recovery Evaluations.

Surrogates were run with water samples collected and LABQAs analyzed during the storm season of 2006/2007 for all organics except paraquat and glyphosate. Included are NONAG samples. Evaluations are sorted by method and analyte.

Method	Analyte	Data Quality Objective (DQO)	Number of Samples	Samples Within DQO	Percent Within Acceptable Criteria
EPA 8321A	Isoxaben(Surrogate)	RPD $\leq$ 25; PR 47-134	108	108	100.00
EPA 8321A	Tributylphosphate(Surrogate)	RPD $\leq$ 25; PR 36-140	108	107	99.07
EPA 8321A	Triphenyl phosphate(Surrogate)	RPD $\leq$ 25; PR 58-121	108	107	99.07
EPA 619	Tributylphosphate(Surrogate)	RPD $\leq$ 25; PR 62-145	106	101	95.28
EPA 619	Triphenyl phosphate(Surrogate)	RPD $\leq$ 25; PR 54-144	106	102	96.23
EPA 8081A	Decachlorobiphenyl(Surrogate)	RPD $\leq$ 25; PR 16-146	109	107	98.17
EPA 8081A	Tetrachloro-m-xylene(Surrogate)	RPD $\leq$ 25; PR 15-98	109	108	99.08
EPA 8081A*	Decachlorobiphenyl(Surrogate)	RPD $\leq$ 25; PR 41-117	109	109	100.00
EPA 8081A*	Tetrachloro-m-xylene(Surrogate)	RPD $\leq$ 25; PR 38-113	109	101	92.66
EPA 8141A	Tributylphosphate(Surrogate)	RPD $\leq$ 25; PR 60-150	212	206	97.17
EPA 8141A	Triphenyl phosphate(Surrogate)	RPD $\leq$ 25; PR 56-129	212	193	91.04
TOTAL			1396	1349	96.63

*Surrogates ran with pyrethroid analysis.

Table 16. ESJWQC Summary of Holding Time Evaluations.

Evaluations are for environmental, field Blank, field duplicate and matrix spike samples collected during the storm season of 2006/2007; sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	7 days	36	36	100.00
EPA 8321A CARB	Carbaryl	7 days	36	36	100.00
EPA 8321A CARB	Carbofuran	7 days	36	36	100.00
EPA 8321A CARB	Methiocarb	7 days	36	36	100.00
EPA 8321A CARB	Methomyl	7 days	36	36	100.00
EPA 8321A CARB	Oxamyl	7 days	36	36	100.00
EPA 8321A CARB	Diuron	7 days	36	36	100.00
EPA 8321A CARB	Linuron	7 days	36	36	100.00
EPA 619	Atrazine	7 days	36	36	100.00
EPA 619	Cyanazine	7 days	36	36	100.00
EPA 619	Simazine	7 days	36	36	100.00
EPA 547M	Glyphosate	14 days	36	36	100.00
EPA 549.2M	Paraquat dichloride	7 days	39	39	100.00
EPA 8081A OCH	DDD(p,p')	7 days	36	36	100.00
EPA 8081A OCH	DDE(p,p')	7 days	36	36	100.00
EPA 8081A OCH	DDT(p,p')	7 days	36	36	100.00
EPA 8081A OCH	Dicofol	7 days	36	36	100.00
EPA 8081A OCH	Dieldrin	7 days	36	36	100.00
EPA 8081A OCH	Endrin	7 days	36	36	100.00
EPA 8081A OCH	Methoxychlor	7 days	36	36	100.00
EPA 8081A PYR	Bifenthrin	7 days	36	36	100.00
EPA 8081A PYR	Cyfluthrin	7 days	36	36	100.00
EPA 8081A PYR	Cypermethrin	7 days	36	36	100.00
EPA 8081A PYR	Esfenvalerate/Fenvalerate, total	7 days	36	36	100.00
EPA 8081A PYR	Cyhalothrin, lambda, total	7 days	36	36	100.00
EPA 8081A PYR	Permethrin, total	7 days	36	36	100.00
EPA 8141A OP	Azinphos methyl	7 days	36	36	100.00
EPA 8141A OP	Chlorpyrifos	7 days	36	36	100.00
EPA 8141A OP	Diazinon	7 days	36	36	100.00
EPA 8141A OP	Dimethoate	7 days	36	36	100.00
EPA 8141A OP	Disulfoton	7 days	36	36	100.00
EPA 8141A OP	Malathion	7 days	36	36	100.00
EPA 8141A OP	Methidathion	7 days	36	36	100.00
EPA 8141A OP	Parathion, Methyl	7 days	36	36	100.00
EPA 8141A OP	Phorate	7 days	36	36	100.00
EPA 8141A OP	Phosmet	7 days	36	36	100.00
EPA 8141A OP	Molinate	7 days	36	36	100.00
EPA 8141A OP	Thiobencarb	7 days	36	36	100.00
EPA 8141A OP	Methamidophos	7 days	36	36	100.00
EPA 110.2	Color	48 hours	34	34	100.00
EPA 130.2	Hardness as CaCO3	6 months	28	28	100.00
EPA 160.1	Total Dissolved Solids	48 hours	34	34	100.00
EPA 180.1	Turbidity	48 hours	34	34	100.00
EPA 300.0	Nitrate as N	48 hours	30	30	100.00
EPA 350.2	Ammonia as N	Field acidify, 28 days	30	30	100.00
EPA 351.3	Nitrogen, Total Kjeldahl	Field acidify, 28 days	32	32	100.00
EPA 354.1	Nitrite as N	48 hours	32	32	100.00

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 365.2	OrthoPhosphate as P	48 hours	32	32	100.00
EPA 365.2	Phosphate as P	Field acidify, 28 days	30	30	100.00
EPA 405.1	BOD	48 hours	34	34	100.00
EPA 415.1	Total Organic Carbon	28 days	41	41	100.00
SM 9223	E. coli	24 hours	32	32	100.00
EPA 200.8	Arsenic	Field acidify, 40 days	31	31	100.00
EPA 200.8	Boron	Field acidify, 40 days	30	30	100.00
EPA 200.8	Cadmium	Field acidify, 40 days	31	31	100.00
EPA 200.8	Copper	Field acidify, 40 days	31	31	100.00
EPA 200.8	Lead	Field acidify, 40 days	31	31	100.00
EPA 200.8	Nickel	Field acidify, 40 days	31	31	100.00
EPA 200.8	Selenium	Field acidify, 40 days	31	31	100.00
EPA 200.8	Zinc	Field acidify, 40 days	31	31	100.00
		TOTAL	2077	2077	100.00

Table 17. ESJWQC Summary of Toxicity Retest Evaluations.

Evaluations are for samples collected during the storm season of 2006/2007; sorted by method and species.

Method	Toxicity Species	Total Environmental Samples	Total Number Retested	Percent Samples Within Acceptable Criteria
EPA 821/R-02-012	Ceriodaphnia dubia	38	0	100.00
EPA 821/R-02-012	Pimephales promelas	39	0	100.00
EPA 821/R-02-013	Selenastrum capricornutum	44	0	100.00
EPA 600/R-99-064	Hyalella azteca	16	0	100.00

Table 18. ESJWQC Summary of Toxicity Field Duplicate Sample Evaluations.

Samples were collected during the storm season of 2006/2007 and are sorted by method and species.

Method	Toxicity Species	Total Field Duplicate Samples	Data Quality Objective (DQO)	Total Number Sample Within DQO	Percent Samples Within Acceptable Criteria
EPA 821/R-02-012	Ceriodaphnia dubia	1	RPD $\leq$ 25	1	100.00
EPA 821/R-02-012	Pimephales promelas	2	RPD $\leq$ 25	2	100.00
EPA 821/R-02-013	Selenastrum capricornutum	2	RPD $\leq$ 25	2	100.00
EPA 600/R-99-064	Hyalella azteca	1	RPD $\leq$ 25	1	100.00

PESTICIDE USE INFORMATION

All exceedances for 2006/2007 storm sampling are listed in Tables 20 - 25 in the following section, Data Interpretation. Pesticide use reports (PURs) for January - March 2007 were requested from all the counties within the coalition. These PUR data can be found in Appendix IV.

For each sampling period in which chemicals, metals or toxicity were detected, all reported pesticide use for approximately two months prior to sampling was collected for the specific site subwatersheds based on TRS. All pesticide products that contained the chemicals and metals detected are listed by site subwatershed and applications are shown in maps. All pesticide products that were used in the two months prior to an exceedance are listed by site subwatershed. Pesticide use is reported as amount of product used. Some products may have more than one active ingredient and in this case the product appears more than once with the name of the chemical ingredient.

In the discussions below, we rely heavily on the use of K_{oc} values to determine the compounds that could runoff and cause sediment toxicity or water column toxicity. K_{oc} is the organic carbon - water partition coefficient and generally defines the propensity of the compound to partition to water or attach to sediment. The term that represents this propensity is "leaching potential". Specific Numeric Values (SNVs) for parameters that define leaching potential have been submitted to the Department of Pesticide Regulation by pesticide manufacturers and DPR evaluates and approves these submissions. Active ingredients with properties that exceed the SNVs approved by DPR are considered to have the potential to contaminate ground water. Pesticide active ingredients are placed on the list of "potential leachers" under the following conditions:

One of the following must be true

- Water solubility: > 3 ppm (mg/L), or
- Soil adsorption coefficient (K_{oc}): < 1,800 cm³/g
- *and* one of the following must be true
- Hydrolysis half-life: > 14 days, or
- Aerobic soil metabolism half-life: > 610 days, or
- Anaerobic soil metabolism half-life: > 9 days

However, we are concerned with the potential for surface runoff and immediate toxicity to aquatic organisms. Consequently, the half-life criteria are not important. Although there is not a perfect negative correlation between K_{oc} and water solubility, if we classified a compound as having a K_{oc} value to bind to sediment and be a potential cause of sediment toxicity, the compound was not classified as having a sufficiently high water solubility to also be a cause of water

column toxicity. All chemicals were classified as either potential toxicants in water or in sediment. The single exception is chlorpyrifos, which appears to cause water column toxicity even as it is attached to particulates. It has both a sufficiently high water solubility (~1.4 mg/L) and K_{oc} (1,380 – 14,000) to be classified as a toxicant in both water and sediment.

K_{oc} values for all compounds were obtained from a variety of sources. Websites from the California Department of Pesticide Regulation, the Pesticide Action Network, the Huang and Young (2005) report to the California Department of Transportation (<http://www.dot.ca.gov/hq/env/stormwater/special/newsetup/pdfs/monitoring/CT-SW-RT-03-084-73-04.pdf>) and numerous studies from the scientific literature were used to document K_{oc} values. Because K_{oc} can change depending on soil characteristics, if there were any major discrepancies between published values, we used the most common value or established a range of values. We used the more conservative value for an initial determination, but once a chemical was determined to partition to sediment, it could not become a toxicant in the water column (exception being chlorpyrifos). In the December 2005 Semi-Annual Monitoring Report, the Coalition provided a detailed explanation of the potential chemicals and their K_{oc} values for each toxicity exceedance. In the current report, the potential chemicals causing toxicity are highlighted in each table without a written description.

Pesticide use information is filed by Township/Range/Section (TRS). The source identification analysis uses the pesticide use reports for the two months prior to the sample collection date in which a relevant exceedance is experienced. Information is obtained on all pesticides but for specific instances of toxicity, chemicals that could not cause the particular species toxicity are eliminated. For example, to determine sources of toxicity to *Selenastrum*, we considered only herbicides and applications of metals and salts. To determine sources of toxicity to *Ceriodaphnia*, we eliminated herbicides because they are not documented causes of toxicity to *Ceriodaphnia*. Those chemicals are eliminated from the tables prior to identifying TRS' that could be sources. Data are not available for individual fields or parcels except where they coincide with complete sections.

DATA INTERPRETATION

A summary of exceedances that occurred during monitoring over the 2006/2007 storm season is presented in Tables 20 - 25. All exceedances have been reported to the Regional Board. Water Quality Objectives used to determine exceedances are provided in Table 19.

The review of Coalition data over the past storm season has indicated that four exceedances of simazine were reported incorrectly to the Regional Board. Due to an error in translating the results from the lab, the Coalition reported four results as several times greater than their actual concentration in the sample. All exceedances that were reported for simazine were in fact below the water quality objective. These include Highline Canal @ Highway 99 on February 11, 2007 (correct concentration = 1.3 µg/L), Mustang Creek @ East Ave and Merced River @ Santa Fe on February 12, 2007 (correct concentrations = 1.9 µg/L and 1.1 µg/L respectively) and Dry Creek @ Wellsford Rd on February 28, 2007 (correct concentration = 1.9 µg/L).

There was a reported exceedance for *E. coli* at 210 MPN/100mL at Silva Drain @ Meadow Dr sampled on February 12, 2007. This is not above the water quality objective of 235 and therefore should not have been reported as an exceedance.

DDT was detected in a field blank at 0.0091 µg/L at Duck Slough @ Gurr Rd sampled on February 12, 2007. However, because both the grab and the field duplicate samples collected from this site showed no detections of DDT in the lab report (MDL 0.007 µg/L), it is believed that the DDT detection in the field duplicate occurred as a result of contamination during the handling or processing of that sample at the laboratory. Because the field blank sample is a part of the field quality control and does not reflect the water quality of the sample site, the field blank exceedance was not reported along with the other pesticide exceedances that occurred during this sampling event. The Coalition contacted the lab to inquire on the report anomaly; however the lab was not able to find reasons for the sample contamination.

Table 19. Water Quality Objectives for constituents and parameters measured during Coalition monitoring

Constituent	Limit	Water Quality Objective (WQO)
Parameters		
pH	6.5 - 8.5 units	pH numerical objective
Electrical Conductivity (maximum)	700 umhos/cm	Salinity, Chemical Constituent, Tastes and Odors, Toxicity narrative objectives
	150 umhos/cm	Salinity numerical objective: SJ River, Friant Dam to Mendota Pool (Basin Plan Table III-3)
Dissolved Oxygen (minimum)	7	Dissolved Oxygen numerical objective

Constituent	Limit	Water Quality Objective (WQO)
Temperature	varies based on natural receiving water temperature	Temperature narrative/numerical objective: "At no time shall the temperature of COLD or WARM intrastate waters be increased more than 5 degrees F above natural receiving water temperature.
Color	15 units	Color, Chemical Constituent, Tastes and Odors narrative objectives
Turbidity	variable increase (see charts at conclusion of table)	Turbidity narrative/numerical objective; Tastes and Odors, Toxicity narrative objectives
Total Dissolved Solids	450 mg/L	Chemical Constituent, Suspended Material, Tastes and Odors, and Toxicity narrative objectives
Total Organic Carbon	---	
Pesticides - Carbamates		
Aldicarb	1.0 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Carbaryl	2.53 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Carbofuran	0 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Methiocarb	0.5 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Methomyl	0.52 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Oxamyl	22 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Pesticides - Organochlorines		
DDD(p,p')	0.00083 ug/L	CTR
DDE(p,p')	0.00059 ug/L	CTR
DDT(p,p')	0.00059 ug/L	CTR
Dicofol	5.3 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Dieldrin	0.00014 ug/L	CTR
Endrin	0.036 ug/L	CTR
Methoxychlor	0.03 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Pesticides - Organophosphates		
Azinphos methyl	0.01 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Chlorpyrifos	0.015 ug/L	Pesticides numerical objectives
Diazinon	0.1 ug/L	Pesticides numerical objectives
Dimethoate	0.2 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Disulfoton	0.05 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Malathion	0 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Methamidophos	0.00002 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Methidathion	0.07 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Parathion, Methyl	0 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Phorate	0.03 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Phosmet	0.2 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Pesticides - Pyrethroids		
Biphenethrin	0.0004 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Cyfluthrin, total	0.00024 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives

Constituent	Limit	Water Quality Objective (WQO)
Cypermethrin, total	0.002 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Esfenvalerate/Fenvalerate, total	0.007 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Cyhalothrin, lambda, total	0.00041 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Permethrin, total	0.03 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Pesticides - Herbicides		
Atrazine	1.0 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Cyanazine	1.0 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Diuron	14 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Glyphosate	130 ug/L	Chemical Constituent, Pesticides, and Toxicity narrative objectives
Linuron	1.4 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Molinate	0 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Paraquat dichloride	3.2 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Simazine	4.0 ug/L	Chemical Constituent, Pesticides, and Toxicity narrative objectives
Thiobencarb	0 ug/L	Chemical Constituents, Pesticides, and Toxicity narrative objectives
Metals (c)		
Arsenic	0.004 ug/L, or natural background level if higher.	Chemical Constituents and Toxicity narrative objectives
Boron	700 ug/L	Chemical Constituents and Toxicity narrative objectives
Cadmium	0.07 ug/L	Chemical Constituents and Toxicity narrative objectives
Copper	variable (see charts at conclusion of table)	CTR
Lead	variable (see charts at conclusion of table) for hardness values 1-70; 2.0 ug/L for hardness values 71 and greater	CTR; Chemical Constituents and Toxicity narrative objectives
Nickel	variable (see charts at conclusion of table) when hardness is 1-18; when hardness is 19 or higher the maximum nickel limit is 12 ug/L regardless of hardness value	CTR (for hardness values of 1-18); Chemical Constituents and Toxicity narrative objectives (for hardness values 19 and higher)
Selenium	5 ug/L (4-day average)	Chemical Constituents numerical objectives; CTR
Zinc	variable (see charts at conclusion of table)	CTR
Nutrients		
TKN		
Nitrate as NO3	10,000 ug/L, but nitrate+nitrite cannot be more than 10,000 ug/L	Chemical Constituents and Toxicity narrative objectives
Nitrite as Nitrogen	10,000 ug/L, but nitrate+nitrite cannot be more than 10,000 ug/L	Chemical Constituents and Toxicity narrative objectives
Ammonia	1,500 ug/L or variable (check page 17 of WQ Goals for pHs above 7.6)	Tastes and Odors, Chemical Constituents, and Toxicity narrative objectives

Table 20. Exceedances of field parameters

Station Name	Sample Date	Oxygen, Dissolved, mg/L	pH, none	Specific Conductivity, μ S/cm
Dry Creek @ Wellsford Rd	11/Feb/2007	6.17		
Duck Slough @ Gurr Rd	07/Mar/2007		9.17	
Hilmar Drain @ Central Ave	01/Mar/2007			1396
Hilmar Drain @ Central Ave	07/Mar/2007		8.79	1633
Jones Drain @ Oakdale Rd	12/Feb/2007	6.2		
Jones Drain @ Oakdale Rd	01/Mar/2007	6.85		
Mustang Creek @ East Ave	28/Feb/2007			760
Prairie Flower Drain @ Crows Landing Rd	11/Feb/2007		6.12	2659
Prairie Flower Drain @ Crows Landing Rd	01/Mar/2007		8.57	2592
Prairie Flower Drain @ Crows Landing Rd	07/Mar/2007			4798

Table 21. Pesticides exceedances in water column.

Station Name	Sample Type Code	Sample Date	Sample Time	DDE(p,p'), µg/L	DDT(p,p'), µg/L	Diazinon, µg/L	Diuron, µg/L
Bear Creek @ Kibby Rd	E	02/12/07	12:40		0.0091		
Dry Creek @ Rd 18	E	02/11/07	11:50			0.13	
Dry Creek @ Wellsford Rd	E	02/11/07	10:30				37
Duck Slough @ Gurr Rd	FB	02/12/07	9:15		0.0091		
Highline Canal @ Hwy 99	E	02/11/07	14:45				25
Mustang Creek @ East Ave	E	02/28/07	12:40	0.0064			

Table 22. Metals exceedances in water column.

Station Name	Sample Type Code	Sample Date	Sample Time	Hardness as CaCO ₃ mg/L	Copper µg/L	Lead µg/L	Nickel µg/L
Bear Creek @ Kibby Rd	E	02/12/07	12:40	100	12	2.4	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	180	16	3.1	16
Dry Creek @ Rd 18	E	02/11/07	11:50	36	14		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	74	8.4		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	140	44	13	53
Duck Slough @ Gurr Rd	E	02/12/07	9:15	140	47	13	54
Duck Slough @ Gurr Rd	E	02/28/07	15:20	94	11	2.4	13
Duck Slough @ Hwy 99	E	02/12/07	11:35	110	31	15	41
Highline Canal @ Hwy 99	E	02/11/07	14:45	18	3	0.52	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	18	2.5	0.45	
Hilmar Drain @ Central Ave	E	02/11/07	13:15	110	84		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	84	21	2.2	
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	240		2.4	
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	78	13	2.6	
Merced River @ Santa Fe	E	02/12/07	9:20	28		0.82	

Table 23. Inorganics/Physical Parameters exceedances in water column.

Station Name	Sample Type Code	Sample Date	Sample Time	Arsenic, µg/L	Cadmium, µg/L	Color, color units	<i>E. coli</i> , MPN/100 mL	Nitrate as N, mg/L	Ammonia as N, mg/L	Total Dissolved Solids, mg/L
Bear Creek @ Kibby Rd	E	02/12/07	12:40	3.4		180	2400			
Bear Creek @ Kibby Rd	E	03/01/07	9:45	1.5		100	1300			
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10			110	2400			
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35			180	2400			
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	14		200	2400			
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	14		60	1000			
Deadman Creek @ Hwy 59	E	02/11/07	14:20			100	400			
Deadman Creek @ Hwy 59	E	02/28/07	13:15			120	490			
Dry Creek @ Rd 18	E	02/11/07	11:50	1.9		35				
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	1		50	290			
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	1.6		250	2400			
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	1						
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	6.7	0.2	500	2400			
Duck Slough @ Gurr Rd	E	02/12/07	9:15	7.3	0.2	550	2400			
Duck Slough @ Gurr Rd	E	02/28/07	15:20	3.3		170	2000			
Duck Slough @ Hwy 99	E	02/12/07	11:35	7	0.2	450	2400			
Duck Slough @ Hwy 99	E	02/28/07	16:45	2.8		120	2400			
Highline Canal @ Hwy 99	E	02/11/07	14:45	1.4		20				
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	0.5		25				
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	1		25				
Hilmar Drain @ Central Ave	E	02/11/07	13:15	2.3	0.08	250	2400		13	
Hilmar Drain @ Central Ave	E	03/01/07	12:35	3.4		35				790
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	2.7	0.1	200	2400		4.7	
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	1.3		60				
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	1.1		35				
Merced River @ Santa Fe	E	02/12/07	9:20	1.1		45				

Station Name	Sample Type Code	Sample Date	Sample Time	Arsenic, µg/L	Cadmium, µg/L	Color, color units	<i>E. coli</i> , MPN/100 mL	Nitrate as N, mg/L	Ammonia as N, mg/L	Total Dissolved Solids, mg/L
Merced River @ Santa Fe	E	02/28/07	15:45	1.5		60				
Mustang Creek @ East Ave	E	02/12/07	11:40			140				
Mustang Creek @ East Ave	E	02/28/07	12:40			70				460
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	9.6		20	2400	24	24	1600
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	8		56		42	42	1500
Silva Drain @ Meadow Dr	E	02/12/07	10:20			65				
Silva Drain @ Meadow Dr	E	02/28/07	16:55			70				

Table 24. Ammonia exceedances with supporting data to quantify the water quality objective.

Station Name	Sample Date	Sample Time	pH	Temperature	Ammonia as N mg/L	Ammonia maximum (early life stages absent) based on temperature and pH >7.6
Hilmar Drain @ Central Ave	02/11/07	13:15	7.61	18.2	13	3.105
Jones Drain @ Oakdale Rd	02/12/07	10:50	7.8	19.8	4.7	2.264

Table 25. Toxicity exceedances and results of TIE studies.

Station Name	Sample Date	Sample Time	Sample Type Code	Toxicity Species Name	Toxicity End Point	Mean	Pct Control	Significance	Summary Comments
Dry Creek @ Wellsford Rd	02/11/07	10:30	E	<i>Selenastrum capricornutum</i>	Total Cell Count	508000	51.9	SL	Re-testing of a newly collected sample indicated that the toxicity was persistent. A TIE performed indicated that the toxicity was caused by non-polar organics and metals.
Dry Creek @ Wellsford Rd	02/22/07	12:15	RS	<i>Selenastrum capricornutum</i>	Total Cell Count	220000	15.8	SL	TIE was conducted in original sample and therefore not conducted on the resample.
Dry Creek @ Wellsford Rd	02/28/07	9:50	E	<i>Selenastrum capricornutum</i>	Total Cell Count	298750	32.29	SL	Testing of a newly collected sample indicated that the toxicity was not persistent. A TIE performed on the original sample indicated that the toxicity was caused by non-polar organics.
Highline Canal @ Lombardy Rd	02/28/07	13:55	E	<i>Selenastrum capricornutum</i>	Total Cell Count	643000	70.04	SL	Testing of a newly collected sample indicated that the toxicity was not persistent.
Highline Canal @ Lombardy Rd	02/28/07	13:55	E	<i>Ceriodaphnia dubia</i>	Survival (%)	50	55.6	SL	Testing of a newly collected sample indicated that the toxicity was persistent.
Highline Canal @ Lombardy Rd	03/07/07	15:55	RS	<i>Ceriodaphnia dubia</i>	Survival (%)	0	0	SL	A TIE performed on this sample indicated that the toxicity was transient (did not persist) in nature.
Dry Creek @ Wellsford Rd	03/07/07	16:55	RS	<i>Selenastrum capricornutum</i>	Total Cell Count	826000	93.65	SG	As per EPA guidance (EPA 833-R-00-003 and EPA 821-R-02-013) this sample should not be considered toxic since the relative difference of 6.3% (between the Control and sample) was < the lower PMSD boundary of 9.1%. ¹

¹ This result was not reported as an exceedance by the laboratory to the Coalition. The rationale for the lack of reporting is "As per EPA guidance (see page 6-8 of EPA 833-R-00-003 and pages 51-52 of EPA 821-R-02-013), this sample should not be considered toxic even though the CETIS data sheet indicates that the sample is statistically less than the Lab Control. The EPA guidance indicates that treatments with a very small relative difference with the control (smaller than the lower PMSD) are treated as though they do not differ significantly from the Lab Control (even if they do so statistically)." "The EPA established this approach to avoid penalizing laboratories that achieve unusually high precision in their testing, and further notes that the Lower PMSD Bound represents a practical limit to the sensitivity of the test method because few laboratories are able to achieve such precision on a regular basis and most do not achieve it even occasionally."

INTERPRETATION OF RESULTS

Pesticides and Toxicity

Over the two monitoring events that occurred for the 2006/2007 storm season, six exceedances of pesticides occurred including two exceedances of diuron and DDT and one exceedance each in DDE and diazinon. DDT is a legacy pesticide and is not currently used by agriculture (and DDE a breakdown product of DDT), and as a result only three of the exceedances experienced are relevant to currently applied pesticides during the 2006/2007 storm season.

These data are not directly comparable to exceedances from the 2005/2006 storm season with respect to percentage of exceedances because a suite of additional pesticides were analyzed starting with the 2006 irrigation season and those additional pesticides included diuron which accounts for two of the three applied pesticide exceedances. Also, between two storm events, six sites were dry because of small amounts of runoff.

Three exceedances during the 2005/2006 storm season involved chlorpyrifos, whereas no exceedances of chlorpyrifos were experienced in the 2006/2007 storm events. One exceedance of diazinon occurred during the 2006/2007 storm events and did not occur in the previous year. Also, of the sites that experienced pesticide exceedances during the 2006/2007 storm season, none experienced pesticide exceedances during the previous storm season.

Exceedances of DDE and DDT are a result of legacy pesticides. These pesticides are no longer registered or applied but persist because of their exceptionally high K_{oc} and long half life. It is estimated that the K_{oc} for DDT is estimated to be between 100,000 and 1,000,000 depending on the source, and the half life in aquatic systems is probably over 150 years (<http://www.speclab.com/compound/c50293.htm>). These pesticides may be bound to sediment in the channels and is mobilized periodically by unknown mechanisms. The Coalition is exploring analyzing sediment for DDT and DDE at these sites to determine if the source is mobilized sediment.

Water column toxicity was experienced four times during the 2006/2007 storm season monitoring. All sites showing toxicity were resampled and results showed persistent toxicity in three of the four samples. Of the four exceedances, one was for *Ceriodaphnia* and three for *Selenastrum*. Dry Creek @ Wellsford Rd experienced toxicity to *Selenastrum* both in the first and second storm monitoring events. This site was resampled after the first storm event and toxicity was persistent. This site was also resampled after the second storm event and the algae count between the sample and the control was statistically significant due to low variation between replicas. Based on the laboratories interpretation of the

EPA method and guidelines, this sample was not considered toxic and therefore toxicity was not persistence after the second storm event. The first storm event sample collected from this site also experienced an exceedance of diuron, a pesticide known to be a toxic herbicide. The TIE results from this sample indicated that the toxicity was a result of non-polar organics and metals. The sample also experienced an exceedance in arsenic, which may have also contributed to the toxicity (as indicated by the TIE) although many other sites have experienced arsenic exceedances of equal or greater magnitude and were not toxic. The second storm event sample collected at this site experienced an exceedance of simazine, an herbicide which also is known to be toxic to green algae. The TIE results from this sample indicated that the toxicity was caused by a non-polar organic. During the second storm event, Highline Canal @ Lombardy Rd experienced toxicity to both *Ceriodaphnia* and *Selenastrum*. No other exceedances that have the potential to be a source of toxicity occurred in this sample with the exception of one exceedance of arsenic. However, among the 11 exceedances of arsenic that occurred during that sampling event, the sample collected from Highline Canal showed the lowest concentration, and sites that experienced much higher concentrations of arsenic (samples from Prairie Flower Drain resulted in arsenic concentration eight times that of Highline Canal) did not experience toxicity at all. No TIEs were conducted for the Highline Canal samples due to a greater than 50% survival from both events. The resample from Highline Canal taken on March 7, 2007, was also toxic to *Ceriodaphnia* but not *Selenastrum*.

No toxicity exceedances were experienced in the sediment for *Hyalella*.

In the 2005/2006 storm season, there were ten instances of water column toxicity; six for *Ceriodaphnia*, two for *Selenastrum*. Also in the previous season, five toxicity exceedances occurred for *Hyalella*, whereas there was no toxicity experienced in the sediment during this year's storm monitoring.

Field Parameters (pH, DO, EC)

There were 3 exceedances of the DO water quality objective (7.0 mg/L). Only Dry Creek @ Wellsford Road and Jones Drain @ Oakdale Road experienced exceedances. Exceedances of DO are commonplace and have been present throughout the Coalition region since monitoring was implemented.

Four exceedances of pH occurred during the 2006/2007 storm season. Three were for elevated pH. The Prairie Flower Drain site experience pH exceedances above and below the objectives on samples collected approximately three weeks apart.

There were six exceedances of the specific conductance (EC) water quality objective. Five were experienced at the Hilmar Drain and Prairie Flower Drain

sites which is consistent with the results from 2005 and 2006. A single exceedance was experienced in Mustang Creek @ East Ave.

All of these parameters are nonconserved constituents meaning that they can change over short distances and over short time frames. DO and pH are expected to vary diurnally and can exceed the standards as a result of natural processes in the water column such as photosynthesis and respiration. These processes can be exacerbated by the addition of nutrients which stimulate productivity and eventually release of organic matter into the water column and sediment where it is broken down by microbial activity.

Interpretation of the data for these parameters is difficult until they are placed into the context of additional data such as nutrients and BOD. At this point, those data are unavailable because the studies have not been performed. The special studies to address these issues are described below.

Physical Parameters (TDS/EC, TOC, Color)

Exceedance of the color water quality objective was experienced at most sites during every monitoring event through the 2006/2007 storm season. Color is a derived parameter in that it is not delivered to surface waters from any source. Color is a result of other constituents (e.g. organic carbon, sediment) or processes (e.g. photosynthesis, turbulent flow and resuspension of particulate matter). Consequently, management of color is not possible unless the process(s) that contribute to color are understood. Color exceedances at different water bodies may be a result of different factors. As the Coalition conducts the special studies to determine the cause(s) of exceedances of constituents such as DO and pH, information will become available that will allow us to address color exceedances.

TDS describes all solids (usually mineral salts) that are dissolved in water and is usually correlated with EC. As expected from the discussion of EC exceedances, exceedances of the TDS water quality objective were directly correlated during the first and second storm monitoring events when both parameters were measured. Exceedances occurred at Prairie Flower Drain during both storm events and at Hilmar Drain and Mustang Creek during the second storm event. EC was also exceeded during the sediment sampling event (for which TDS is not measured) at Prairie Flower Drain and Hilmar Drain.

The more salts that are dissolved in the water, the higher the value of the electric conductivity. The relationship between the conductivity of a solution and its content varies not only by the concentration of the dissolved ions, but is also based upon the charge and mobility of the dissolved ionic species. A small ion and a large ion can have the same electrical charge. The small ion will find it easier to move through the water molecules, so it "conducts" that charge faster, resulting in a higher EC for the same concentration (TDS) in the solution.

Likewise, if two ions have the same size, but one has a higher charge than the other, the higher charged ion will result in a higher EC. It follows that if the correlation between EC and TDS is high for measurements made across several sites at several different times, the source of the ions in the water are constant, i.e., the types of ions in solution and/or their ratios are constant across time and/or space. Alternatively, if there is little or no correlation between EC and TDS, the types of ions and/or their ratios vary across time and/or space.

Potential sources of EC and TDS are upstream surface water, ground water, or drain water from irrigated agriculture. There are two general sources of EC (or TDS) in agricultural landscapes; fertilizers and native soils. A commercial fertilizer can be made up of dozens of different chemicals each of which ionize, and contribute to the EC of the solution. Different brands of fertilizer can use different chemicals to make up the total formula indicating that there will not be a standard signal for fertilizer-generated EC or TDS.

At the time of the year that samples were collected (February and early March) crops are generally dormant and no irrigation is conducted. Both Hilmar Drain and Prairie Flower Drain are located very close to the San Joaquin River and have the largest amount of field drains present in the nearby fields. Depth to ground water is very shallow and the field drains pump high salinity ground water to allow plant growth. In addition, the two main drains do not have a concrete liner and can be recharged directly from shallow ground water. Data developed by Modesto Irrigation District suggests that the exceedances of salt are a function of ground water in the region and have been for almost a century. Geologically, the ground water from both the east and west side of the Valley moves toward the San Joaquin River through the low point in the Valley and a location that is naturally high in salts. The movement of water down gradient and the low elevation of the San Joaquin River combine to create a shallow ground water table, as evidenced by the numerous wetlands that are in the vicinity of the river. This shallow ground water is the cause of the salinity problems in the ESJ region close to the river.

The Mustang Creek site subwatershed is composed of mostly orchards which use drip irrigation, and as a result surface runoff is not a likely source of dissolved solids. Mustang Creek typically flows only during the winter storm season remaining dry throughout the summer months. This is the first winter season for monitoring in the Mustang Creek watershed, and it is not clear if elevated TDS is an ongoing issue. A review of recent studies in the Mustang Creek watershed revealed no indication of elevated TDS.

E. coli

E. coli is an indicator of fecal contamination in surface waters. Although some strains of *E. coli* are pathogenic, generally *E. coli* indicates that pathogenic bacteria may be present. There were 17 exceedances of the *E. coli* water quality

objective during the 2006/2007 storm season (and one field duplicate exceedance at the same detection as the grab sample). The Coalition has recently completed a source identification study to determine the taxonomic group(s) responsible for the fecal contamination in the Coalition region. However, samples were not collected during the winter runoff season for that study. Consequently, the Coalition can only state at this point that *E. coli* is present in the water and the source is unknown as is the potential for the presence of pathogenic bacteria.

Metals

Metals were divided into two groups, those metals whose toxicity was a function of hardness, and those whose toxicity was not a function of hardness. Copper, lead, and nickel occurred at concentrations above water quality objectives based on hardness calculations.

Copper and Nickel

Copper exceedances were experienced 13 times at nine sites and nickel exceedances were experienced five times at three sites. Both of these two metals can arise from natural sources and also from pesticide or fertilizer applications. Copper is commonly applied throughout the Coalition region and is considered organic. Nickel is less regularly applied and is a micronutrient. Refer to Appendix IV for PUR data and maps that indicated where applications of pesticides containing these elements were applied in the Coalition region.

Lead

Lead was detected 12 times at eight sites. Lead in surface water can originate from numerous sources including parent geological material, lead-based paint, aerosols including dust, and previous deposition from lead-based gasoline. Currently, there are no pesticides applied that have lead as a material, although lead arsenate was used in the past. Lead arsenate was used generally only until the 1960s but has been banned on all food crops since 1991. Currently, the most probable source is contaminated soils that originated from old pesticide applications or more probably, the deposition of automobile exhaust along roadways. Lead continues to be present at Duck Slough @ Highway 99 in all sampling periods suggesting that the lead may be originating with contaminated soils at that site. Contaminated soils may have caused contaminated sediment and that sediment may be moved into the water body during storm events.

SUMMARY OF MANAGEMENT PRACTICES

Management Practices Surveys have been provided to growers by mail and at all grower meetings throughout the 2006 irrigation season and the 2006/2007 storm season. As of June 1, 2007, 1152 survey results had been received from growers and additional surveys continue to be returned to the Coalition weekly (see table below). The initial effort was focused on watersheds with management plans to allow the Coalition to obtain the necessary management practice information. The percentage of returns varies across watersheds and the results have been compiled into an Access database and summarized based on subwatershed. Summaries of survey results, compiled for each subwatershed in the Coalition region are provided in electronic format on a CD attached to this report. An overall summary of BMP surveys received is provided below in Table 26. Evaluation of these results to gain an understanding of the relationship between the various practices and water quality will require substantial statistical analysis. The Coalition is undertaking these analyses and will report on the results by August 31, 2007.

Table 26. Summary of ESJWQC BMP Surveys received up to June 1, 2007.

Watershed	Returned	Unreturned	Bad Address	TOTAL
Ash Ave	51	116	7	174
Bear Creek	42	50		92
Black Rascal	6	6		12
Berenda Slough	77	217	25	319
Cottonwood	115	314	36	465
Deadman's Creek	112	333	7	452
Dry Creek 18	65	177	17	259
Dry Creek Welsford	150	365	10	525
Duck Slough	181	1257	55	1493
Hilmar Drain	13	27	1	41
Highline Canal	164	476	13	653
Jones Drain	7	18		25
Mustang Creek	22	19	1	42
Merced River	92	248	23	363
Prairie Flower	21	25	2	48
Silva Drain	0	2	1	3
South Slough	34	92	2	128
TOTALS	1152	3742	200	5094

ACTIONS TAKEN TO ADDRESS WATER QUALITY IMPACTS

The Coalition conducts a monitoring and reporting program as a means of identifying and monitoring water quality exceedances. Reporting is conducted to inform the Regional Board of the results and progress in managing the exceedances. The monitoring and reporting activities are summarized in Table 27 for the 2006/2007 storm season, and in Table 28 for all promised deliverable from Communication Reports to date (to the time of this report). In addition, the Coalition has taken a series of actions to address exceedances that include 1) using Pesticide Use Reports to identify potential sources of pesticide exceedances, 2) analyzing monitoring data to determine the potential mechanism associated with exceedances of physical and field parameters such as DO, pH, and TDS, and 3) proactively performing special studies to determine the sources of constituents such as *E. coli*, or the potential causes of exceedances such as low DO. In the future, the Coalition is planning to continue these studies and to address other exceedances by performing additional special studies for EC/TDS, lead, and pH. These are summarized briefly below.

In addition to normal monitoring and reporting activities, the Coalition has developed and submitted management plans for 15 watersheds (Table 29). For those constituents considered manageable, additional monitoring was proposed for months in which previous exceedances had been detected. That sampling will be initiated in the 2007 irrigation season monitoring.

Pesticides and Toxicity

Pesticide applications should be identifiable to individual parcels through the use of Pesticide Use Reports. The Coalition requests all use reports from the County Agricultural Commissioners and identifies all pesticides that were recorded as exceedances or that could have contributed to toxicity. Chemicals that could contribute to toxicity are separated by K_{oc} into those with high K_{oc} that bind to sediment and potentially cause sediment toxicity, and those with low K_{oc} and could contribute to water column toxicity. Understanding the potential mechanism by which pesticides are moved to surface waters allows the Coalition to target presentations and materials provided to growers that identify management practices effective in eliminating the exceedances.

E. coli

The *Bacteroides* study was completed and evidence suggests that the fecal contamination identified from samples collected in August 2006 were predominantly of human origin. Similar results were found by researchers in

Oregon in a similar study. Bovine *Bacteroides* DNA was found consistently in some watersheds, probably a result of discharges from irrigated pasture. It was anticipated that additional sampling would be conducted during runoff events during the 2006/2007 winter storm season. However, the winter was very dry and little runoff occurred during any storm. The Coalition anticipates repeating the study during the winter of 2008 if funding permits.

Dissolved Oxygen

Over the past several monitoring periods, exceedances of dissolved oxygen have been common in the Coalition region. DO in surface waters is a function of several factors including flow and reaeration, water temperature, BOD including SOD, COD, and the relative amount of photosynthesis. DO is a non-conserved constituent and can change dramatically across space and time. In several communication reports, we have provided explanations of how various factors contribute to the maintenance of dissolved oxygen. These are summarized below.

Flow

Re-aeration from turbulent flow is a natural method for reaeration of surface waters. Standing water typically does not exchange oxygen in more than a very shallow surface layer and the water usually is depleted of oxygen by other processes.

Water Temperature

It is well known that colder water has a greater ability to retain oxygen. The water may be saturated with oxygen, but at very high temperatures, the amount of oxygen in the water can be very low. The Coalition has provided information on the relationship between temperature and dissolved oxygen in numerous documents and will not do so here.

BOD and COD

In most cases, BOD has a much greater influence on dissolved oxygen than SOD or COD. BOD is a function of the respiration that occurs when organic matter enters the water body and is degraded by bacterial action. The respiration of the bacteria can occur in either the water column or the sediment, and can deplete the oxygen in the water column. Organic material can originate from allochthonous inputs (e.g. organic inputs from dairies, Publicly Owned Treatment Works [POTWs], agricultural operations) or autochthonous sources (benthic and water column algal production and decomposition).

Photosynthesis

Unless waters are extremely oligotrophic, DO levels usually vary diurnally as a function of changes in productivity. During daylight hours, when

photosynthesis is occurring, carbon dioxide (CO₂) is fixed as plant material reducing the CO₂ concentration of the water and increasing the DO concentration. At night, respiration is the driving force, resulting in a decrease in DO. Algal productivity is stimulated by nutrient inputs upstream, but nutrient cycling in surface waters is very difficult to quantify. However, it is generally accepted that excessive nutrient loads stimulates production and can reduce DO in surface waters.

Preliminary Analyses

In an attempt to determine if dissolved oxygen in the Coalitions surface waters was a function of the factors listed above, we undertook some preliminary analyses using data from 2005 and 2006 at several sites in the San Joaquin County and Delta Water Quality Coalition region. These sites should be representative of sites from the east side of the San Joaquin Valley. The results of that analysis, reported in the December 30, 2006 SAMR suggested that BOD was a cause of low DO.

BOD analysis

In an attempt to understand dissolved oxygen dynamics, the Coalition sampled for Biological Oxygen Demand during the September monitoring event. Only 5 samples contained measurable amounts of BOD, 3 from the East San Joaquin Water Quality Coalition region and 2 from the San Joaquin County and Delta Water Quality Coalition region. The data were combined for the preliminary analysis that suggested BOD was at least partially responsible for low DO. To further explore the relationship, additional samples for BOD were collected during both winter sampling events and again in the early 2007 irrigation season as outlined in the December 31, 2006 SAMR. One more BOD analysis is planned for later in the irrigation. After those data are obtained and analyzed, the Coalition will submit a final report to the Regional Board by October 30, 2007.

After the final analyses are performed, the Coalition will discuss its options and provide the Regional Board with its plans for future analyses.

EC/TDS

Exceedances of Electrical Conductivity (EC) and Total Dissolved Solids (TDS) have been commonplace during sampling of the Prairie Flower Drain and the Hilmar Drain (main drains) during both the summer irrigation season and the winter dormant season. Both dormant season monitoring events in 2007 resulted in exceedances for EC at both sites. The location of these two agricultural drains near the San Joaquin River places them in a region that would naturally be subject to salt problems. Recent Department of Water Resources studies of ground water Electrical Conductivity on the west side of the San

Joaquin River indicates that EC can occur in concentrations of up to 4000 $\mu\text{S}/\text{cm}$. Ground water on the east side of the San Joaquin immediately adjacent to the west side would be expected to have EC levels similarly elevated. The Coalition now believes that elevated EC in the western portion of the Coalition region is a function of ground water intrusion to surface waters and into the unsaturated zone. As water moves down gradient from both sides of the valley to the San Joaquin trough, it brings with it the minerals from the underlying geological formations causing elevated TDS and EC. As the water moves to the center of the trough, hydrostatic pressure forces the ground water up to the surface resulting in the numerous wetlands that run along the San Joaquin River. This intrusion is also responsible for the shallow ground water table. To drop the level of ground water sufficiently to farm, pumping from drains occurs and the drain water is placed into local canals. In fact, early canals were constructed with the purpose of intercepting shallow ground water and routing it to the San Joaquin River. These unlined drains may receive water drained from cultivated fields and directly intercept ground water and consequently the drains such as Hilmar Drain and Prairie Flower Drain will always have elevated EC and TDS.

pH

There are two potential causes of pH outside the range (6.5 – 8.5) specified in the Basin Plan. First, substances with very low or very high pH could have been added to the water or been the result of a spill. However, given the normal buffering capacity of the stream systems in the Valley, the pH of the contaminant would have to be considerably high or low and would probably have resulted in noticeable fish kills and the death of other biota in the streams. No such kills were observed and consequently, it is unlikely that the pH exceedances were the result of spills or deliberate dumping into the water bodies.

Control of pH in surface waters is a function of the balance between the buffering capacity of the water and the relative amount of photosynthesis. Unless waters are extremely oligotrophic, pH usually varies diurnally. During daylight hours, when photosynthesis is occurring, carbon dioxide is fixed as plant material reducing the CO_2 concentration of the water and causing a dissociation of the carbonic acid present in the water and the pH rises. At night, respiration is the driving force, resulting in a decrease in dissolved oxygen, an increase in CO_2 and a decline in pH. In a diurnal cycle, the lowest pH is expected at dawn because CO_2 produced by decomposition and aerobic respiration would have accumulated since the previous dusk. Conversely highest pH is expected during the daylight hours, because pH rises at the rate at which carbon dioxide is fixed by plants. Both pH and dissolved oxygen may also be affected by anthropogenic sources (e.g., elevated nutrients resulting in increased algae populations can result in elevated pH readings).

Identifying the exact source of a pH exceedance is difficult. Most likely, the exceedance is a function of both in-stream and landscape processes that interact in a dynamic manner to control productivity and pH. Since pH is a function of diurnal changes in photosynthesis, the exceedance may be solely a result of the timing of the measurement.

Outreach and Education

Based on the results of Coalition monitoring, special studies and other resources regarding the condition of water quality that is relevant to agriculture, workshops, meetings and presentations are conducted to provide useful information to all growers in the Coalition region. Outreach and education activities are an important component of the Coalition monitoring program. The Coalition has made a strong effort to provide helpful information to growers through a variety of mediums. Agricultural Commissioner meetings, commodity-specific meetings, as well as by personal contact with growers has occurred previous to and throughout the 2006/2007 storm season. Notification letters and mailings have been sent in March and April and information over the internet is also available to all growers (or interested parties) at the Coalition website (www.esjcoalition.org). The website publishes Coalition news, maps, monitoring and best management practices information, a calendar of meetings and events and links to additional sources of information for growers. Furthermore, Coalition news has been published in local county newspapers, including the Stanislaus County Farm Bureau Newspaper, the Merced County Farm Bureau Newspaper and the Madera Tribune.

Presentations to growers occurred in the early dormant season in order to provide growers with information on previous exceedances experienced in the relevant site subwatersheds and best management practices to use in the upcoming dormant season that have proven to be effective to reduce the discharge of pesticides to water bodies. Outreach meetings occurred on December 12-14, 2006, in Merced, Modesto and Madera (respectively) and on February 5, 20 and 22 in Crows Landing, Modesto and Denair (respectively).

As particular cases demanded or allowed, individual land owners were also contacted or met with personally to review monitoring results in their areas and to discuss management practices that may help prevent discharge. Members of the ESJWQC Board of Directors (and ex-officio members) are a diverse group of growers, pesticide advisors, agricultural commissioners, representatives of agricultural, environmental, and pesticide based non-profits or companies, and community leaders. As representatives of the Coalition, board members communicate with growers regularly and are an effective agent in providing information to growers on a personal basis.

Management Practices Surveys have been provided to growers through mail and by personal hand out. Surveys were distributed at all meetings and were sent out with all coalition mailings (refer to previous description of outreach and mailing dates). As of May 2007, 1142 responses have been received, and surveys are currently still coming in. A database of survey results has been compiled and summaries of these results, separated by subwatershed, are provided on a CD appended to this report.

ACTIVITIES, EVENTS AND DELIVERABLES

Tables 27 and 28 below provide Coalition activities, events and deliverables that have occurred during the 2006/2007 storm monitoring season.

Table 27. Calendar of events and deliverables for the ESJWQC during the period of January – June, 2007.

Entries include the date in each month in which the activity was performed. Exceedance and Communication Reports are listed as are the general class of constituent(s) (i.e. field parameters, pesticides, *E. coli*/metals/physical parameters, water column toxicity, and sediment toxicity) covered by the reports. Storm monitoring events are numbered in chronological order starting with Storm 1 which occurred on February 11 and 12, 2007.

Date	Action Item
11-Feb-07	Storm 1 Sampling Event
12-Feb-07	Storm 1 Sampling Event
12-Feb-07	Storm 1 Field Exceedance Report
20-Feb-07	Storm 1 Toxicity Exceedance Report
22-Feb-07	Storm 1 Resampling Event
28-Feb-07	Storm 2 Sampling Event
1-Mar-07	Storm 2 Sampling Event
2-Mar-07	Storm 2 Field Exceedance Report
6-Mar-07	Storm 1 Resample Toxicity Exceedance Report
7-Mar-07	Storm 2 Resampling Event
7-Mar-07	Storm Sediment Sampling Event
8-Mar-07	Storm Sediment Field Exceedance Report
8-Mar-07	Storm 2 Toxicity Exceedance Report
14-Mar-07	Storm 2 Resample Toxicity Exceedance Report
18-Mar-07	Storm 1 Metals Exceedance Report
2-Apr-07	Management Plan - Highline Canal @ Hwy 99, Highline Canal @ Lombardy Rd, Dry Creek @ Wellsford Road, Duck Slough @ Gurr Rd, Duck Slough @ Hwy 99
6-Apr-07	Storm 1 Pesticides Exceedance Report
13-Apr-07	Management Plan - Ash Slough @ Ave 21, Berenda Slough along Rd 18 ½, Jones Drain @ Oakdale Rd, Silva Drain @ Meadow Drive
23-Apr-07	Storm 2 Metals Exceedance Report
27-Apr-07	Management Plan - Cottonwood Creek @ Road 20, Bear Creek @ Kibby Rd, Merced River @ Santa Fe, Dry Creek @ Rd 18
27-Apr-07	Storm 2 Metals Exceedance Report amended
27-Apr-07	Storm 2 Pesticides Exceedance Report

11-May-07	Management Plan - Aug Rd Drn upstrm Crows Landing, Black Rascal Crk @ Yosemite Rd, Deadman Creek @ Gurr Rd, Deadman Creek @ Hwy 59, Mustang Creek @ East Ave, South Slough @ Quinley Road, Hilmar Drain @ Central Ave, Prairie Flower Drn @ Crows Landing
20-Jun-07	Storm 1 Pesticide Communication Report
26-Jun-07	Storm 1 Metals, E. coli and Phys. Parameters Communication Report
28-Jun-07	Storm 2 Pesticide Communication Report

Table 28. Table of ESJWQC actions and deliverables dealing with exceedances and management practices relevant to the 2006/2007 storm monitoring season.

Date	Action	Description	County	Who
12-Dec-06	Grower Meeting	Annual Meeting in Merced to discuss monitoring results from the 2006 irrigation season and management practices for the upcoming dormant season	Merced	Parry Klassen
13-Dec-06	Grower Meeting	Annual Meeting in Modesto to discuss monitoring results from the 2006 irrigation season and management practices for the upcoming dormant season	Stanislaus and Calaveras	Parry Klassen
14-Dec-06	Grower Meeting	Annual Meeting in Madera to discuss monitoring results from the 2006 irrigation season and management practices for the upcoming dormant season	Madera and Mariposa	Parry Klassen
22-Jan-07	BMP Surveys	Results compiled from surveys received from Management Plan subwatersheds	Madera and Merced	Parry Klassen
5-Feb-07	Grower Meeting	Meeting held at Crows Landing Rd to address exceedances in the Prairie Flower Drain and Hilmar Drain subwatersheds and BMPs to help reduce discharge	Stanislaus	Parry Klassen
20-Feb-07	Grower Meeting	Meeting held in Modesto to address exceedances in the subwatersheds and BMPs to help reduce discharge	Stanislaus	Parry Klassen
22-Feb-07	Grower Meeting	Meeting held in Denair to address exceedances in the Jones Drain, Mustang Creek, Highline Canal and Merced River subwatersheds and BMPs to help reduce discharge	Stanislaus and Merced	Parry Klassen
16-Mar-07	Grower Notification	Exceedance notification letters distributed to all growers, including non-members, within site subwatersheds addressed in Management Plans	All	Parry Klassen
16-Mar-07	BMP Surveys	BMP surveys mailed with grower notification letters to site subwatersheds addressed in Management Plans	All	Parry Klassen
30-Apr-07	BMP Surveys	Approximately 400-500 surveys received (from handouts in October/November 2006 and mailings to growers)	All	Parry Klassen

Date	Action	Description	County	Who
4-Apr-07	Grower Notification	Annual Report to growers - including monitoring results	All	Parry Klassen
4-Apr-07	Outreach and Education	Annual Report to growers - Including Coalition/Ag news and updates and info on BMPs	All	Parry Klassen
10-Apr-07	Outreach and Education	Stanislaus County Farm Bureau Newspaper - sent to all growers in the county by email and mail. Coalition news and BMP information included.	Stanislaus	Parry Klassen
10-Apr-07	Outreach and Education	Merced County Farm Bureau Newspaper - sent to all growers in the county by email and mail. Coalition news and BMP information included.	Merced	Parry Klassen
10-Apr-07	Outreach and Education	Madera Tribune - sent to all growers in the county by email and mail. Coalition news and BMP information included.	Madera	Parry Klassen
15-Jun-07	BMP Surveys	Surveys results from 1152 returns compiled and summarized per subwatershed	All	Parry Klassen, MLJ-LLC

EXCEEDANCE, COMMUNICATION, AND EVALUATION REPORTS

Exceedance and Communication Reports

Exceedance reports have been submitted for all exceedances experienced during the 2006/2007 storm season monitoring events. Communication Reports have been submitted for all exceedances not already been addressed in Management Plans submitted between the months of March and May, 2007. A copy of these reports is provided in Appendix V.

Evaluation Reports

Evaluation Reports have not been submitted for exceedances experienced during the 2006/2007 storm season events. As a requirement of the Irrigated Lands Program, management plans have been submitted which supercede Evaluation Reports for each subwatershed where two or more exceedances of a specific constituent were experienced during Coalition monitoring. Table 29 summarizes the schedule of Management Plans submitted for each site-subwatershed. Management Plans will be reviewed and edited on a yearly basis to incorporate results from the previous years sampling and special studies.

Table 29. Schedule of Management Plans submitted for each site subwatershed.

Sample Site	Management Plan Due Date
Highline Canal @ Hwy 99	11/17/2006
Highline Canal @ Lombardy Rd	Revised 4/2/2007
Dry Creek @ Wellsford Road	4/2/2007
Duck Slough @ Gurr Rd	11/17/2006
Duck Slough @ Hwy 99	Revised 4/2/2007
Ash Slough @ Ave 21	11/17/2006
	Revised 4/13/2007
Berenda Slough along Rd 18 1/2	4/13/2007
Jones Drain @ Oakdale Rd	4/13/2007
Silva Drain @ Meadow Drive	4/13/2007
Cottonwood Creek @ Road 20	4/27/2007
Bear Creek @ Kibby Rd	4/27/2007
Merced River @ Santa Fe	11/17/2006
	Revised 4/27/2007
Dry Creek @ Rd 18	4/27/2007
Aug Rd Drn upstrm Crows Landing	5/11/2007
Black Rascal Crk @ Yosemite Rd	5/11/2007
Deadman Creek @ Gurr Rd	5/11/2007

Sample Site	Management Plan Due Date
Deadman Creek @ Hwy 59	
Mustang Creek @ East Ave	5/11/2007
South Slough @ Quinley Road	5/11/2007
Hilmar Drain @ Central Ave	5/11/2007
Prairie Flower Drain @ Crows Landing	5/11/2007

CONCLUSIONS AND RECOMMENDATIONS

The Coalition was able to meet its objectives to the following degree:

- Determine the concentration and load of waste in discharges to surface waters.
 - The completeness of the analytical data was sufficient to determine concentration and load for all samples collected where discharge could be measured.
 - Quality control issues were present for a small number of samples, but the batches were evaluated using all LABQA results and were determined to be acceptable.
- Evaluate compliance with existing narrative and numeric water quality objectives to determine if implementation of additional management practices is necessary to improve and/or protect water quality.
 - The data for all constituents for which criteria exist were compared to the appropriate water quality objective which has been reviewed and approved by the Regional Board.
 - If samples existed in which the constituent exceeded the objective, it was determined that outreach would be performed and additional management practices would be implemented. In some cases, additional monitoring was initiated.
 - A series of meetings with growers was held in which additional management practices were presented and growers were encouraged to implement the practices to protect water quality.
 - For those constituents that could not be readily assigned a potential source, the Coalition is undertaking a series of special studies to determine the ultimate cause of the exceedance of water quality objectives.
- Assess the impact of waste discharges from irrigated agriculture to surface water.
 - Comparisons of monitoring data with water quality objectives allowed an evaluation of whether the water body was impacted by irrigated agriculture.
 - The level of impairment is difficult to determine solely from the data collected as ecosystem function is assumed to be impaired, but the mechanism of impairment is difficult to assess.
 - The Coalition is undertaking additional studies and monitoring with the goal of understanding the ecosystem level processes that may be impacted by discharges from irrigated agriculture.
- Determine the degree of implementation of management practices to reduce discharge of specific wastes that impact water quality in watersheds within the coalition region.

- The Coalition is in the process of sending surveys to growers and accumulating responses to determine the management practices used in the watersheds in which exceedances of water quality objectives occur.
- The Coalition will continue to assess the degree of implementation of management practices over time.
- Determine the effectiveness of management practices and strategies to reduce discharges of wastes that impact water quality.
 - Determining effectiveness remains an elusive task; the Coalition is exploring ways to determine effectiveness such as evaluating survey results, initiating personal contacts with growers, and improved awareness of the Coalitions monitoring results.
 - Variability in climatic conditions and pest control needs may result in improvement or degradation water quality despite the management practices implemented.
 - The Coalition is receiving information from organizations such as the University of California, Davis and the Coalition for Urban/Rural Environmental Stewardship on the effectiveness of various new management options.
 - At this time, the Coalition does not have a scientifically defensible method of evaluating the effectiveness of management practices implemented in the Coalition region and will continue its monitoring strategy to obtain more information to perform a scientifically defensible evaluation in the future.
 - At this time, the Coalition does not have sufficient information returned from growers to characterize the management practices implemented throughout a watershed with regard to specific exceedances. However, the Coalition will continue to send out surveys and hopes to have enough information in the future to be able to characterize management practices implemented in the area.

The monitoring program was a success in that:

- All planned sample events were captured and samples were collected from all sites that had water
- Chemical testing met the Regional Board's Reporting Limit requirements starting in the 2006 dormant season sampling
- Discharge measurements were collected from all sites at which it is possible to collect measurements
- The Coalition improved communications with the laboratories to obtain information on exceedances in a timely manner
- Pesticide Use Reports were able to be associated with all exceedances of pesticides allowing the Coalition to identify potential sources of exceedances

- All data collected within this monitoring program is in a format that will be accessible to the public and comparable to other water quality data collected across the state via CEDEN.

The monitoring program will improve in the following areas:

- The coalition will try to obtain the Pesticide Use Reports more quickly so the source identification analyses can be performed

The monitoring program provided the following technical conclusions:

- In many watersheds, large amounts of pesticides are applied emphasizing the importance of managing water quality from a watershed perspective
 - Multiple applications of pesticides in a watershed make source identification difficult
- The most common exceedances were *E. coli*, dissolved oxygen, toxicity, and pesticides in that order

At this point, it is difficult to determine if water quality measured during the winter of 2007 is improved over the winter of 2006. Conditions were very different in 2007. The winter of 2006 was wet and several storms generated runoff throughout the Coalition region. In 2007, there were only a few storms and very little rainfall. Little runoff was generated and several sites never experienced flow during the entire winter. The dryness was evidenced by the early initiation of irrigation in the region, in some locations in mid-March. Overall there were fewer exceedances in 2007 compared to 2006, but this would be expected in a dryer year in which little runoff entered surface waters. The Coalition will need to wait for another dry year to determine if management practices are being implemented and water quality is improving.

Obtaining information on management practices in the Coalition region has been a priority over the period covered by this report. The management practices survey distributed by the Coalition has resulted in surprisingly high returns. Approximately 23% of surveys have been returned with return rates in the subwatersheds varying from 53% to 0% (0 of 2 in the Silva Drain subwatershed). Surveys were sent to all growers with a potential to contribute to the exceedances in the subwatersheds regardless of whether they belonged to the Coalition. It is unknown if nonresponders are primarily nonmembers of the Coalition. The surveys were coded such that it is possible to determine who did and who did not respond and for specific subwatersheds, the Coalition can identify nonresponding nonmembers. The Coalition can attempt to contact nonresponders if necessary although individuals who did not join the Coalition and who did not respond to the survey request may not be easy to contact or willing to discuss implementing additional management practices.

East San Joaquin Water Quality Coalition

SEMI-ANNUAL MONITORING REPORT STORM 2007

(Appendix I)

Monitoring Results

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Table I-1. Field Parameter Results.

Station Name	Sample Date	Sample Time	Discharge cfs	Oxygen, Dissolved mg/L	pH none	Specific Conductivity µS/cm	Temperature °C	Field Result Comments
Ash Slough @ Ave 21	02/11/07	13:35	NA	NA	NA	NA	NA	Dry site, no field params measured
Ash Slough @ Ave 21	02/28/07	12:30	NA	NA	NA	NA	NA	dry bed, no field parameters measured
Bear Creek @ Kibby Rd	02/12/07	12:40	NA	9.2	7.63	176	11.8	unsafe to measure discharge
Bear Creek @ Kibby Rd	03/01/07	9:45	NA	9.3	7.63	153	9.4	too fast and deep to measure discharge
Bear Creek @ Kibby Rd	03/07/07	12:50	NA	9.9	7.36	66	22.3	Sediment sampling event, no discharge taken
Berenda Slough along Ave 18 1/2	02/11/07	13:10	NA	NA	NA	NA	NA	Dry site, no field params measured
Berenda Slough along Ave 18 1/2	02/28/07	12:15	NA	NA	NA	NA	NA	dry bed, no samples or field results
Black Rascal Creek @ Yosemite Rd	02/12/07	13:10	NA	9.09	8.45	248	18.6	unsafe to measure discharge
Black Rascal Creek @ Yosemite Rd	03/01/07	10:35	NA	7.8	7.45	78	10.6	too fast and deep to measure discharge
Black Rascal Creek @ Yosemite Rd	03/07/07	13:00	NA	10.2	8.24	180	19.9	Sediment sampling event, no discharge taken
Cottonwood Creek @ Rd 20	02/11/07	11:00	NA	NA	NA	NA	NA	Dry site, no field params measured
Cottonwood Creek @ Rd 20	02/28/07	11:00	NA	NA	NA	NA	NA	only stagnant isolated pool of water
Deadman Creek (Dutchman) @ Gurr Rd	02/11/07	15:45	4.77	7.68	8.18	406	15.75	
Deadman Creek (Dutchman) @ Gurr Rd	02/28/07	14:10	0.87	9.4	8.46	548	14.5	
Deadman Creek (Dutchman) @ Gurr Rd	03/07/07	14:05	NA	11	8.29	355	21.5	Sediment sampling event, no discharge measured
Deadman Creek @ Hwy 59	02/11/07	14:20	3.54	9.6	8.42	213	15.91	
Deadman Creek @ Hwy 59	02/28/07	13:15	1.74	11.1	8.48	522	13.3	

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Date	Sample Time	Discharge cfs	Oxygen, Dissolved mg/L	pH none	Specific Conductivity µS/cm	Temperature °C	Field Result Comments
Deadman Creek @ Hwy 59	03/07/07	14:25	NA	9.8	8.48	451	21.2	Sediment sampling event, no discharge taken
Dry Creek @ Rd 18	02/11/07	11:50	0	10.6	7.89	59	16.5	
Dry Creek @ Rd 18	02/28/07	11:45	NA	NA	NA	NA	NA	Isolated stagnant pool
Dry Creek @ Wellsford Rd	02/11/07	10:30	NA	6.17	6.56	303	11.6	Unable to take discharge because water was too fast/deep
Dry Creek @ Wellsford Rd	02/28/07	9:50	NA	9.55	7	168	10.12	Unable to take discharge because water was too fast/deep
Dry Creek @ Wellsford Rd	03/07/07	16:55	NA	9.2	7.84	133	17.3	Resampling event for toxicity, discharge not taken; also sediment sampling event
Duck Slough @ Gurr Rd	02/12/07	9:15	298.79	10.3	7.7	243	11.97	
Duck Slough @ Gurr Rd	02/28/07	15:20	321.45	9.7	7.91	180	11.1	
Duck Slough @ Gurr Rd	03/07/07	13:40	NA	12.9	9.17	213	23.4	Sediment sampling event, no discharge taken
Duck Slough @ Hwy 99	02/12/07	11:35	NA	9.9	7.71	190	10.66	unsafe conditions on Hwy 99
Duck Slough @ Hwy 99	02/28/07	16:45	NA	9	7.86	182	11.1	Unable to take discharge because water was too fast/deep
Duck Slough @ Hwy 99	03/07/07	15:05	NA	9.6	8.24	77	16.9	Sediment sampling event, no discharge taken
Highline Canal @ Hwy 99	02/11/07	14:45	55.43	10.3	7.44	36	13.1	
Highline Canal @ Hwy 99	02/28/07	14:40	NA	NA	NA	NA	NA	Dry site, no field params measured
Highline Canal @ Lombardy Rd	02/11/07	16:15	68.25	8.44	8.24	36	13.6	YSI wouldn't calibrate in the field, measured with YSI 566 10m #2253 at hotel at 18:45
Highline Canal @ Lombardy Rd	02/28/07	13:55	0	11.97	7.68	112	14.59	flow too low to

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Station Name	Sample Date	Sample Time	Discharge cfs	Oxygen, Dissolved mg/L	pH none	Specific Conductivity µS/cm	Temperature °C	Field Result Comments
								measure
Highline Canal @ Lombardy Rd	03/07/07	15:55	NA	9.8	7.41	105	22.2	Resampling event, no discharge taken; also sediment sampling event
Hilmar Drain @ Central Ave	02/11/07	13:15	22.5	9.96	7.61	255	15.5	
Hilmar Drain @ Central Ave	03/01/07	12:35	0	11.2	7.88	1396	15.6	
Hilmar Drain @ Central Ave	03/07/07	9:35	0	15.3	8.79	1633	16.7	flow too low to measure
Jones Drain @ Oakdale Rd	02/12/07	10:50	0.08	6.2	7.8	297	13.5	pH meter wouldn't calibrate, used lab pH meter 03
Jones Drain @ Oakdale Rd	03/01/07	9:30	0	6.85	6.87	170	11.71	
Jones Drain @ Oakdale Rd	03/07/07	11:10	NA	10.2	7.64	49	17.6	Sediment sampling event, no discharge taken
Merced River @ Santa Fe	02/12/07	9:20	NA	10.9	7.27	101	12.6	pH meter not calibrating, used lab meter pH 03; too deep too fast to measure discharge
Merced River @ Santa Fe	02/28/07	15:45	NA	11.14	7.3	112	11.92	too deep to wade for discharge
Mustang Creek @ East Ave	02/12/07	11:40	NA	14.2	7.78	542	13	pH meter did not calibrate, lab pH meter pH 03 used
Mustang Creek @ East Ave	02/28/07	12:40	0	8.85	7.28	760	9.16	
Mustang Creek @ East Ave	03/07/07	10:35	0	7.06	7.32	458	16	water was stagnant but continuous
Prairie Flower Drain @ Crows Landing Rd	02/11/07	12:05	0	14.12	6.12	2659	15.1	meter recalibrated, remeasured DO=14.7, pH=8.48, EC=2694; velocity too low to be measured
Prairie Flower Drain @ Crows Landing Rd	03/01/07	12:20	0	25.2	8.57	2592	14.62	
Prairie Flower Drain @ Crows Landing Rd	03/07/07	9:05	NA	11.5	8.28	4798	14.8	Sediment sampling event, no discharge taken

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Station Name	Sample Date	Sample Time	Discharge cfs	Oxygen, Dissolved mg/L	pH none	Specific Conductivity μ S/cm	Temperature $^{\circ}$ C	Field Result Comments
Silva Drain @ Meadow Dr	02/12/07	10:20	NA	10.6	7.75	171	11.7	pH meter is not calibrating, used lab meter pH 03
Silva Drain @ Meadow Dr	02/28/07	16:55	NA	9.21	7.44	185	13.04	
Silva Drain @ Meadow Dr	03/07/07	11:45	NA	8.4	7.54	50	20.2	Sediment sampling event, no discharge taken
South Slough @ Quinley Rd	02/11/07	16:20	NA	NA	NA	NA	NA	Dry site, no field params measured
South Slough @ Quinley Rd	03/01/07	9:00	NA	NA	NA	NA	NA	dry site, no field params measured

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Table I-2. Organic Monitoring Results

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were received at 0.5°C. EPA recommends 2-6°C
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		The samples were received at 1.9°C. The EPA recommends 2-6°C. Reanalysis had acceptable QC and confirmed original results.
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		The samples were received at 0.5°C. EPA recommends 2-6°C
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 619	Tributylphosphate (Surrogate)	79.1	%		NA	NA	100	None	PR 62-145	
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 619	Tributylphosphate (Surrogate)	85	%		NA	NA	100	None	PR 62-145	
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 619	Triphenyl phosphate (Surrogate)	83.9	%		NA	NA	100	None	PR 54-144	
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 619	Triphenyl phosphate (Surrogate)	90.8	%		NA	NA	100	None	PR 54-144	
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	DDT (p,p')	0.0091	µg/L	DNQ	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	73.6	%		NA	NA	100	None	PR 16-146	
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	73.6	%		NA	NA	100	None	PR 41-117	
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Decachlorobiphenyl (Surrogate)	60.9	%		NA	NA	100	None	PR 16-146	
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Decachlorobiphenyl (Surrogate)	60.9	%		NA	NA	100	None	PR 41-117	
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		

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FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Rd														
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	86.8	%		NA	NA	100	None	PR 41-117	
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	86.8	%		NA	NA	100	None	PR 15-98	
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	90.2	%		NA	NA	100	None	PR 41-117	
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	90.2	%		NA	NA	100	None	PR 15-98	
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Rd														
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Tributylphosphate (Surrogate)	112	%		NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Tributylphosphate (Surrogate)	97	%		NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Tributylphosphate (Surrogate)	79.3	%		NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	93.5	%		NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	118	%		NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8141A	Triphenyl phosphate (Surrogate)	83	%		NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8321A	Tributylphosphate (Surrogate)	92.4	%		NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8321A	Tributylphosphate (Surrogate)	84.6	%		NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	02/12/07	12:40	EPA 8321A	Triphenyl phosphate (Surrogate)	103	%		NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	03/01/07	9:45	EPA 8321A	Triphenyl phosphate (Surrogate)	101	%		NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Black Rascal Creek @	E	03/01/07	10:35	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were received at

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Yosemite Rd														0.5°C. EPA recommends 2-6°C
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		The samples were received at 1.9°C. The EPA recommends 2-6°C. Reanalysis had acceptable QC and confirmed original results.
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		The samples were received at 0.5°C. EPA recommends 2-6°C
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 619	Tributylphosphate (Surrogate)	79.4	%		NA	NA	100	None	PR 62-145	
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 619	Tributylphosphate (Surrogate)	77.9	%		NA	NA	100	None	PR 62-145	
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 619	Triphenyl phosphate (Surrogate)	78.9	%		NA	NA	100	None	PR 54-144	
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 619	Triphenyl phosphate (Surrogate)	84.8	%		NA	NA	100	None	PR 54-144	
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	60.9	%		NA	NA	100	None	PR 16-146	

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Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	65.2	%		NA	NA	100	None	PR 41-117	
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Decachlorobiphenyl (Surrogate)	51.8	%		NA	NA	100	None	PR 16-146	
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Decachlorobiphenyl (Surrogate)	51.8	%		NA	NA	100	None	PR 41-117	
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	82.7	%		NA	NA	100	None	PR 15-98	
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	87	%		NA	NA	100	None	PR 41-117	
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	87.6	%		NA	NA	100	None	PR 41-117	
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	87.3	%		NA	NA	100	None	PR 15-98	
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		Surrogate recovery is outside of control limits		

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Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		Surrogate recovery is outside of control limits		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Diazinon	0.028	µg/L		0.0035	0.02		Surrogate recovery is outside of control limits		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		Surrogate recovery is outside of control limits		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		Surrogate recovery is outside of control limits		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		Surrogate recovery is outside of control limits		

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		Surrogate recovery is outside of control limits		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		Surrogate recovery is outside of control limits		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		Surrogate recovery is outside of control limits		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		Surrogate recovery is outside of control limits		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		Surrogate recovery is outside of control limits		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		Surrogate recovery is outside of control limits		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Tributylphosphate (Surrogate)	183	%		NA	NA	100	Surrogate recovery is outside of control limits	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Tributylphosphate (Surrogate)	107	%		NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Tributylphosphate (Surrogate)	66.7	%		NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Triphenyl phosphate (Surrogate)	202	%		NA	NA	100	Surrogate recovery is outside of control limits	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8141A	Triphenyl phosphate (Surrogate)	101	%		NA	NA	100	None	PR 56-129	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8141A	Triphenyl phosphate (Surrogate)	71	%		NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8321A	Tributylphosphate (Surrogate)	97.2	%		NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8321A	Tributylphosphate (Surrogate)	83.8	%		NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	02/12/07	13:10	EPA 8321A	Triphenyl phosphate (Surrogate)	97.2	%		NA	NA	100	None	PR 56-129	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	03/01/07	10:35	EPA 8321A	Triphenyl phosphate (Surrogate)	98.8	%		NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		

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Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 619	Tributylphosphate (Surrogate)	82.1	%		NA	NA	100	None	PR 62-145	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 619	Tributylphosphate (Surrogate)	85.8	%		NA	NA	100	None	PR 62-145	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 619	Triphenyl phosphate (Surrogate)	86	%		NA	NA	100	None	PR 54-144	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 619	Triphenyl phosphate (Surrogate)	94.1	%		NA	NA	100	None	PR 54-144	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		

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Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Decachlorobiphenyl (Surrogate)	72.5	%		NA	NA	100	None	PR 16-146	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Decachlorobiphenyl (Surrogate)	72.5	%		NA	NA	100	None	PR 41-117	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	59.3	%		NA	NA	100	None	PR 16-146	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	59.3	%		NA	NA	100	None	PR 41-117	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		

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Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	82.5	%		NA	NA	100	None	PR 41-117	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	82.5	%		NA	NA	100	None	PR 15-98	

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Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	90.7	%		NA	NA	100	None	PR 41-117	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	90.7	%		NA	NA	100	None	PR 15-98	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		Surrogate recovery is outside of control limits		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		Surrogate recovery is outside of control limits		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		Surrogate recovery is outside of control limits		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		Surrogate recovery is outside of control limits		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		Surrogate recovery is outside of control limits		

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Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		Surrogate recovery is outside of control limits		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		Surrogate recovery is outside of control limits		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		Surrogate recovery is outside of control limits		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		Surrogate recovery is outside of control limits		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		Surrogate recovery is outside of control limits		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		Surrogate recovery is outside of control limits		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		Surrogate recovery is outside of control limits		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Tributylphosphate (Surrogate)	116	%		NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Tributylphosphate (Surrogate)	92.6	%		NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Tributylphosphate (Surrogate)	85.8	%		NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Tributylphosphate (Surrogate)	103	%		NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8141A	Triphenyl phosphate (Surrogate)	135	%		NA	NA	100	Surrogate recovery is outside of control limits	PR 56-129	
Deadman Creek (Dutchman)	E	02/11/07	15:45	EPA 8141A	Triphenyl phosphate (Surrogate)	87.4	%		NA	NA	100	None	PR 56-129	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
@ Gurr Rd														
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	94.1	%		NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	120	%		NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8321A	Diuron	1	µg/L		0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8321A	Diuron	0.28	µg/L	DNQ	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8321A	Tributylphosphate (Surrogate)	101	%		NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8321A	Tributylphosphate (Surrogate)	85.6	%		NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	EPA 8321A	Triphenyl phosphate (Surrogate)	92.7	%		NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	EPA 8321A	Triphenyl phosphate (Surrogate)	85.7	%		NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data

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FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
														from that analysis is reported.
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		Reanalysis had acceptable QC and confirmed original analysis. Results from the initial analysis were reported.
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 619	Tributylphosphate (Surrogate)	77.8	%		NA	NA	100	None	PR 62-145	
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 619	Tributylphosphate (Surrogate)	89	%		NA	NA	100	None	PR 62-145	
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 619	Triphenyl phosphate (Surrogate)	82.9	%		NA	NA	100	None	PR 54-144	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 619	Triphenyl phosphate (Surrogate)	99.3	%		NA	NA	100	None	PR 54-144	
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	65.3	%		NA	NA	100	None	PR 16-146	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	72.5	%		NA	NA	100	None	PR 41-117	
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	58.3	%		NA	NA	100	None	PR 16-146	
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	58.3	%		NA	NA	100	None	PR 41-117	
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	73.1	%		NA	NA	100	None	PR 15-98	
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	79.4	%		NA	NA	100	None	PR 41-117	

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Hwy 59														
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	87.9	%		NA	NA	100	None	PR 15-98	
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	87.9	%		NA	NA	100	None	PR 41-117	
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Tributylphosphate (Surrogate)	75.6	%		NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Tributylphosphate (Surrogate)	108	%		NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Tributylphosphate (Surrogate)	89	%		NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Tributylphosphate (Surrogate)	78.5	%		NA	NA	100	None	PR 60-150	

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Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Triphenyl phosphate (Surrogate)	72	%		NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8141A	Triphenyl phosphate (Surrogate)	127	%		NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Triphenyl phosphate (Surrogate)	99.3	%		NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8141A	Triphenyl phosphate (Surrogate)	83.2	%		NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8321A	Diuron	0.44	µg/L		0.2	0.4		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8321A	Tributylphosphate (Surrogate)	108	%		NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8321A	Tributylphosphate (Surrogate)	91.2	%		NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	02/11/07	14:20	EPA 8321A	Triphenyl phosphate (Surrogate)	108	%		NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	02/28/07	13:15	EPA 8321A	Triphenyl phosphate (Surrogate)	87.7	%		NA	NA	100	None	PR 56-129	
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 619	Simazine	0.12	µg/L	DNQ	0.08	0.5		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 619	Tributylphosphate (Surrogate)	83.9	%		NA	NA	100	None	PR 62-145	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 619	Triphenyl phosphate (Surrogate)	86.1	%		NA	NA	100	None	PR 54-144	
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.3	%		NA	NA	100	None	PR 16-146	
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.3	%		NA	NA	100	None	PR 41-117	
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	87	%		NA	NA	100	None	PR 41-117	
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	87	%		NA	NA	100	None	PR 15-98	
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		Surrogate recovery is outside of control limits		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Chlorpyrifos	0.014	µg/L	DNQ	0.0026	0.02		Surrogate recovery is outside of control limits		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Diazinon	0.13	µg/L		0.0035	0.02		Surrogate recovery is outside of control limits; primary and confirmation results varied by > than 40%		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		Surrogate recovery is outside of control limits		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		Surrogate recovery is outside of control limits		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		Surrogate recovery is outside of control limits		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		Surrogate recovery is outside of control limits		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		Surrogate recovery is outside of control limits		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		Surrogate recovery is outside of control limits		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		Surrogate recovery is outside of control limits		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		Surrogate recovery is outside of control limits		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		Surrogate recovery is outside of control limits		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Tributylphosphate (Surrogate)	113	%		NA	NA	100	None	PR 60-150	
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Tributylphosphate (Surrogate)	94.5	%		NA	NA	100	None	PR 60-150	
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Triphenyl phosphate (Surrogate)	135	%		NA	NA	100	Surrogate recovery is outside of control limits	PR 56-129	
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8141A	Triphenyl phosphate (Surrogate)	87.4	%		NA	NA	100	None	PR 56-129	
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8321A	Diuron	0.58	µg/L		0.2	0.4		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8321A	Tributylphosphate (Surrogate)	122	%		NA	NA	100	None	PR 60-150	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	02/11/07	11:50	EPA 8321A	Triphenyl phosphate (Surrogate)	91	%		NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 619	Simazine	0.15	µg/L	DNQ	0.08	0.5		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 619	Simazine	1.9	µg/L		0.4	0.5		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 619	Tributylphosphate (Surrogate)	83.3	%		NA	NA	100	None	PR 62-145	
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 619	Tributylphosphate (Surrogate)	88.3	%		NA	NA	100	None	PR 62-145	
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 619	Triphenyl phosphate (Surrogate)	82.9	%		NA	NA	100	None	PR 54-144	
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 619	Triphenyl phosphate (Surrogate)	93	%		NA	NA	100	None	PR 54-144	
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Dry Creek @ Wellsford	E	02/11/07	10:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		

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Rd														
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	81.7	%		NA	NA	100	None	PR 16-146	
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	81.7	%		NA	NA	100	None	PR 41-117	
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	54.7	%		NA	NA	100	None	PR 41-117	
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	54.7	%		NA	NA	100	None	PR 16-146	
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	80.3	%		NA	NA	100	None	PR 15-98	
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	80.3	%		NA	NA	100	None	PR 41-117	
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	86.8	%		NA	NA	100	None	PR 41-117	
Dry Creek @ Wellsford	E	02/28/07	9:50	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	86.8	%		NA	NA	100	None	PR 15-98	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Rd														
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Diazinon	0.034	µg/L		0.0035	0.02		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		Surrogate recovery is outside of control limits		
Dry Creek @	E	02/28/07	9:50	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Wellsford Rd														
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Tributylphosphate (Surrogate)	80.5	%		NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Tributylphosphate (Surrogate)	112	%		NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Tributylphosphate (Surrogate)	83.2	%		NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	130	%		NA	NA	100	Surrogate recovery is outside of control limits	PR 56-129	
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	80.1	%		NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8141A	Triphenyl phosphate (Surrogate)	90.3	%		NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		Surrogate recovery is outside of control limits		

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Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8321A	Diuron	37	µg/L		0.2	0.4		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8321A	Diuron	4	µg/L		0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		

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Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		Surrogate recovery is outside of control limits		
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8321A	Tributylphosphate (Surrogate)	100	%		NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8321A	Tributylphosphate (Surrogate)	80.7	%		NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	02/11/07	10:30	EPA 8321A	Triphenyl phosphate (Surrogate)	96.9	%		NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	02/28/07	9:50	EPA 8321A	Triphenyl phosphate (Surrogate)	93.2	%		NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		

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Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 549.2M	Paraquat dichloride	<0.25	µg/L		0.25	0.4		Estimated value - EPA Flag		The samples were received at 1.9°C. The EPA recommends 2-6°C. Reanalysis had acceptable QC and confirmed original results.
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 619	Simazine	0.25	µg/L	DNQ	0.08	0.5		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 619	Tributylphosphate (Surrogate)	110	%		NA	NA	100	None	PR 62-145	
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 619	Tributylphosphate (Surrogate)	114	%		NA	NA	100	None	PR 62-145	
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 619	Triphenyl phosphate (Surrogate)	82.9	%		NA	NA	100	None	PR 54-144	
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 619	Triphenyl phosphate (Surrogate)	122	%		NA	NA	100	None	PR 54-144	
Duck Slough @	E	02/12/07	9:15	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Gurr Rd														
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.5	%		NA	NA	100	None	PR 41-117	
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.5	%		NA	NA	100	None	PR 16-146	
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	56.7	%		NA	NA	100	None	PR 16-146	

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Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	56.7	%		NA	NA	100	None	PR 41-117	
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	79.5	%		NA	NA	100	None	PR 15-98	
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	79.5	%		NA	NA	100	None	PR 41-117	
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	83.4	%		NA	NA	100	None	PR 41-117	
Duck Slough @	E	02/28/07	15:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	83.4	%		NA	NA	100	None	PR 15-98	

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Gurr Rd														
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		

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Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Tributylphosphate (Surrogate)	105	%		NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Tributylphosphate (Surrogate)	149	%		NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Tributylphosphate (Surrogate)	90.9	%		NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Triphenyl phosphate (Surrogate)	129	%		NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8141A	Triphenyl phosphate (Surrogate)	102	%		NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	85.2	%		NA	NA	100	None	PR 56-129	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @	E	02/12/07	9:15	EPA 8321A	Tributylphosphate (Surrogate)	116	%		NA	NA	100	None	PR 60-150	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Gurr Rd														
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8321A	Tributylphosphate (Surrogate)	91.8	%		NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	02/12/07	9:15	EPA 8321A	Triphenyl phosphate (Surrogate)	98.6	%		NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	02/28/07	15:20	EPA 8321A	Triphenyl phosphate (Surrogate)	100	%		NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		The samples were received at 1.9°C. The EPA recommends 2-6°C. Reanalysis had acceptable QC and confirmed original results.
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Duck Slough @	E	02/12/07	11:35	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hwy 99														
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 619	Simazine	0.15	µg/L	DNQ	0.08	0.5		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 619	Tributylphosphate (Surrogate)	83	%		NA	NA	100	None	PR 62-145	
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 619	Tributylphosphate (Surrogate)	91.7	%		NA	NA	100	None	PR 62-145	
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 619	Triphenyl phosphate (Surrogate)	87.8	%		NA	NA	100	None	PR 54-144	
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 619	Triphenyl phosphate (Surrogate)	100	%		NA	NA	100	None	PR 54-144	
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Decachlorobiphenyl (Surrogate)	52.9	%		NA	NA	100	None	PR 41-117	
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Decachlorobiphenyl (Surrogate)	52.8	%		NA	NA	100	None	PR 16-146	
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Decachlorobiphenyl (Surrogate)	64.3	%		NA	NA	100	None	PR 16-146	
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Decachlorobiphenyl (Surrogate)	64.3	%		NA	NA	100	None	PR 41-117	
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hwy 99														
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	87	%		NA	NA	100	None	PR 41-117	
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	92.8	%		NA	NA	100	None	PR 15-98	
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	93.1	%		NA	NA	100	None	PR 41-117	
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	93.1	%		NA	NA	100	None	PR 15-98	
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hwy 99														
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Tributylphosphate (Surrogate)	107	%		NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Tributylphosphate (Surrogate)	97.2	%		NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Tributylphosphate (Surrogate)	91.7	%		NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Triphenyl phosphate (Surrogate)	93.2	%		NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8141A	Triphenyl phosphate (Surrogate)	117	%		NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%		NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8321A	Tributylphosphate (Surrogate)	86.4	%		NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8321A	Tributylphosphate (Surrogate)	78.2	%		NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	02/12/07	11:35	EPA 8321A	Triphenyl phosphate (Surrogate)	98.7	%		NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	02/28/07	16:45	EPA 8321A	Triphenyl phosphate (Surrogate)	103	%		NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference
 FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 619	Simazine	1.3	µg/L		0.8	1		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 619	Tributylphosphate (Surrogate)	79.8	%		NA	NA	100	None	PR 62-145	
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 619	Triphenyl phosphate (Surrogate)	83.1	%		NA	NA	100	None	PR 54-144	
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Decachlorobiphenyl (Surrogate)	74.2	%		NA	NA	100	None	PR 41-117	
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Decachlorobiphenyl (Surrogate)	74.2	%		NA	NA	100	None	PR 16-146	
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	75.9	%		NA	NA	100	None	PR 15-98	
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	75.9	%		NA	NA	100	None	PR 41-117	
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hwy 99														
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Tributylphosphate (Surrogate)	116	%		NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Tributylphosphate (Surrogate)	112	%		NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Triphenyl phosphate (Surrogate)	124	%		NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8141A	Triphenyl phosphate (Surrogate)	109	%		NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8321A	Diuron	25	µg/L		0.2	0.4		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		

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Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8321A	Tributylphosphate (Surrogate)	92.3	%		NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	02/11/07	14:45	EPA 8321A	Triphenyl phosphate (Surrogate)	93.7	%		NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 619	Simazine	0.16	µg/L	DNQ	0.08	0.5		None		
Highline Canal @	E	02/28/07	13:55	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Lombardy Rd														
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 619	Tributylphosphate (Surrogate)	83.6	%		NA	NA	100	None	PR 62-145	
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 619	Tributylphosphate (Surrogate)	91.3	%		NA	NA	100	None	PR 62-145	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 619	Triphenyl phosphate (Surrogate)	88.4	%		NA	NA	100	None	PR 54-144	
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 619	Triphenyl phosphate (Surrogate)	96.9	%		NA	NA	100	None	PR 54-144	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	73.4	%		NA	NA	100	None	PR 41-117	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	73.4	%		NA	NA	100	None	PR 16-146	
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Decachlorobiphenyl (Surrogate)	62.1	%		NA	NA	100	None	PR 16-146	
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Decachlorobiphenyl (Surrogate)	62.1	%		NA	NA	100	None	PR 41-117	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		

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Rd														
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	79.5	%		NA	NA	100	None	PR 15-98	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	79.5	%		NA	NA	100	None	PR 41-117	
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	87.8	%		NA	NA	100	None	PR 41-117	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	87.8	%		NA	NA	100	None	PR 15-98	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		Surrogate recovery is outside of control limits		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		Surrogate recovery is outside of control limits		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		Surrogate recovery is outside of control limits		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		Surrogate recovery is outside of control limits		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		Surrogate recovery is outside of control limits		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		Surrogate recovery is outside of control limits		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		Surrogate recovery is outside of control limits		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		Surrogate recovery is outside of control limits		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		Surrogate recovery is outside of control limits		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		Surrogate recovery is outside of control limits		
Highline Canal @	E	02/28/07	13:55	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Lombardy Rd														
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		Surrogate recovery is outside of control limits		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		Surrogate recovery is outside of control limits		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Tributylphosphate (Surrogate)	104	%		NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Tributylphosphate (Surrogate)	117	%		NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Tributylphosphate (Surrogate)	85.7	%		NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Tributylphosphate (Surrogate)	91.3	%		NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Triphenyl phosphate (Surrogate)	136	%		NA	NA	100	Surrogate recovery is outside of control limits	PR 56-129	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8141A	Triphenyl phosphate (Surrogate)	96.3	%		NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%		NA	NA	100	None	PR 56-129	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8141A	Triphenyl phosphate (Surrogate)	96.9	%		NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8321A	Diuron	1	µg/L		0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8321A	Diuron	3.2	µg/L		0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		

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Rd														
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8321A	Tributylphosphate (Surrogate)	95	%		NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8321A	Tributylphosphate (Surrogate)	88.8	%		NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	EPA 8321A	Triphenyl phosphate (Surrogate)	95.4	%		NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	02/28/07	13:55	EPA 8321A	Triphenyl phosphate (Surrogate)	83.2	%		NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 547M	Glyphosate	<4	µg/L	ND	4	10		Reporting limits elevated due to matrix interferences		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were received at 0.5°C. EPA recommends 2-6°C

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		The samples were received at 0.5°C. EPA recommends 2-6°C
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 619	Tributylphosphate (Surrogate)	78	%		NA	NA	100	None	PR 62-145	
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 619	Tributylphosphate (Surrogate)	86.3	%		NA	NA	100	None	PR 62-145	
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 619	Triphenyl phosphate (Surrogate)	74.1	%		NA	NA	100	None	PR 54-144	
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 619	Triphenyl phosphate (Surrogate)	92.5	%		NA	NA	100	None	PR 54-144	
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	43.5	%		NA	NA	100	None	PR 41-117	
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	43.8	%		NA	NA	100	None	PR 16-146	
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Decachlorobiphenyl (Surrogate)	68.8	%		NA	NA	100	None	PR 16-146	
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Decachlorobiphenyl (Surrogate)	68.8	%		NA	NA	100	None	PR 41-117	
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Hilmar Drain @	E	03/01/07	12:35	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		

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Central Ave														
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	74.1	%		NA	NA	100	None	PR 41-117	
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	76.3	%		NA	NA	100	None	PR 15-98	
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	80.7	%		NA	NA	100	None	PR 15-98	
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	80.7	%		NA	NA	100	None	PR 41-117	
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		

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Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hilmar Drain @	E	02/11/07	13:15	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Central Ave														
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Tributylphosphate (Surrogate)	108	%		NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Tributylphosphate (Surrogate)	143	%		NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Tributylphosphate (Surrogate)	75.8	%		NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Triphenyl phosphate (Surrogate)	114	%		NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8141A	Triphenyl phosphate (Surrogate)	102	%		NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8141A	Triphenyl phosphate (Surrogate)	80.4	%		NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8321A	Tributylphosphate (Surrogate)	103	%		NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8321A	Tributylphosphate (Surrogate)	99.3	%		NA	NA	100	None	PR 60-150	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	02/11/07	13:15	EPA 8321A	Triphenyl phosphate (Surrogate)	100	%		NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	03/01/07	12:35	EPA 8321A	Triphenyl phosphate (Surrogate)	97.8	%		NA	NA	100	None	PR 56-129	
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were received at 0.5°C. EPA recommends 2-6°C
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		The samples were received at 1.9°C. The EPA recommends 2-6°C.
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		The samples were received at 0.5°C. EPA recommends 2-6°C
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Jones Drain @ Oakdale	E	03/01/07	9:30	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		

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Rd														
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 619	Tributylphosphate (Surrogate)	76.2	%		NA	NA	100	None	PR 62-145	
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 619	Tributylphosphate (Surrogate)	91.5	%		NA	NA	100	None	PR 62-145	
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 619	Triphenyl phosphate (Surrogate)	78.3	%		NA	NA	100	None	PR 54-144	
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 619	Triphenyl phosphate (Surrogate)	99.2	%		NA	NA	100	None	PR 54-144	
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	66.3	%		NA	NA	100	None	PR 41-117	
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	66.6	%		NA	NA	100	None	PR 16-146	
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	65.5	%		NA	NA	100	None	PR 41-117	
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	65.5	%		NA	NA	100	None	PR 16-146	
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		

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Rd														
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	90.3	%		NA	NA	100	None	PR 41-117	

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Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	89	%		NA	NA	100	None	PR 15-98	
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	79.7	%		NA	NA	100	None	PR 15-98	
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	79.7	%		NA	NA	100	None	PR 41-117	
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Chlorpyrifos	0.01	µg/L	DNQ	0.0026	0.02		Estimated value - EPA Flag		Possibly high biased based on LCS and MS recoveries
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		

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Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Rd														
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Tributylphosphate (Surrogate)	103	%		NA	NA	100	None	PR 60-150	
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Tributylphosphate (Surrogate)	105	%		NA	NA	100	None	PR 60-150	
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Tributylphosphate (Surrogate)	91.5	%		NA	NA	100	None	PR 60-150	
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Triphenyl phosphate (Surrogate)	101	%		NA	NA	100	None	PR 56-129	
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8141A	Triphenyl phosphate (Surrogate)	117	%		NA	NA	100	None	PR 56-129	
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	80.4	%		NA	NA	100	None	PR 56-129	
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Rd														
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8321A	Tributylphosphate (Surrogate)	89.2	%		NA	NA	100	None	PR 60-150	
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8321A	Tributylphosphate (Surrogate)	95.3	%		NA	NA	100	None	PR 60-150	
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	EPA 8321A	Triphenyl phosphate (Surrogate)	117	%		NA	NA	100	None	PR 56-129	
Jones Drain @ Oakdale Rd	E	03/01/07	9:30	EPA 8321A	Triphenyl phosphate (Surrogate)	92.3	%		NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		The samples were received at 1.9°C. The EPA recommends 2-6°C.
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Merced River @	E	02/28/07	15:45	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Santa Fe														
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 619	Simazine	1.1	µg/L		0.4	0.5		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 619	Simazine	0.25	µg/L	DNQ	0.08	0.5		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 619	Tributylphosphate (Surrogate)	78	%		NA	NA	100	None	PR 62-145	
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 619	Tributylphosphate (Surrogate)	94.5	%		NA	NA	100	None	PR 62-145	
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 619	Triphenyl phosphate (Surrogate)	81.1	%		NA	NA	100	None	PR 54-144	
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 619	Triphenyl phosphate (Surrogate)	94.7	%		NA	NA	100	None	PR 54-144	
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	80.4	%		NA	NA	100	None	PR 41-117	
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	80.4	%		NA	NA	100	None	PR 16-146	
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Decachlorobiphenyl (Surrogate)	61.2	%		NA	NA	100	None	PR 16-146	
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Decachlorobiphenyl (Surrogate)	61.2	%		NA	NA	100	None	PR 41-117	
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @	E	02/28/07	15:45	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		

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Santa Fe														
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	85.4	%		NA	NA	100	None	PR 15-98	
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	85.4	%		NA	NA	100	None	PR 41-117	
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	80.4	%		NA	NA	100	None	PR 15-98	
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	80.4	%		NA	NA	100	None	PR 41-117	
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Merced River @	E	02/12/07	9:20	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		

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Santa Fe														
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Tributylphosphate (Surrogate)	108	%		NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Tributylphosphate (Surrogate)	88	%		NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Tributylphosphate (Surrogate)	94.5	%		NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Triphenyl phosphate (Surrogate)	114	%		NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8141A	Triphenyl phosphate (Surrogate)	85.3	%		NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8141A	Triphenyl phosphate (Surrogate)	88.4	%		NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		

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Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8321A	Tributylphosphate (Surrogate)	90.2	%		NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8321A	Tributylphosphate (Surrogate)	82.7	%		NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	02/12/07	9:20	EPA 8321A	Triphenyl phosphate (Surrogate)	76.3	%		NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	02/28/07	15:45	EPA 8321A	Triphenyl phosphate (Surrogate)	83.5	%		NA	NA	100	None	PR 56-129	
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data

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														from that analysis is reported.
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		The samples were received at 1.9°C. The EPA recommends 2-6°C.
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 619	Simazine	1.9	µg/L		0.4	0.5		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 619	Simazine	0.47	µg/L	DNQ	0.08	0.5		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 619	Tributylphosphate (Surrogate)	94.5	%		NA	NA	100	None	PR 62-145	
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 619	Tributylphosphate (Surrogate)	94	%		NA	NA	100	None	PR 62-145	
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 619	Triphenyl phosphate (Surrogate)	101	%		NA	NA	100	None	PR 54-144	
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 619	Triphenyl phosphate (Surrogate)	99	%		NA	NA	100	None	PR 54-144	
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	DDE (p,p')	0.0064	µg/L	DNQ	0.004	0.01		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	74.7	%		NA	NA	100	None	PR 16-146	
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	74.7	%		NA	NA	100	None	PR 41-117	
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	59	%		NA	NA	100	None	PR 41-117	
Mustang Creek @	E	02/28/07	12:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	59	%		NA	NA	100	None	PR 16-146	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
East Ave														
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	86.2	%		NA	NA	100	None	PR 41-117	
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	86.2	%		NA	NA	100	None	PR 15-98	
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	88.5	%		NA	NA	100	None	PR 41-117	
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	88.5	%		NA	NA	100	None	PR 15-98	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Mustang Creek @	E	02/12/07	11:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
East Ave														
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Tributylphosphate (Surrogate)	97.2	%		NA	NA	100	None	PR 60-150	
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Tributylphosphate (Surrogate)	114	%		NA	NA	100	None	PR 60-150	
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Tributylphosphate (Surrogate)	85.9	%		NA	NA	100	None	PR 60-150	
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Triphenyl phosphate (Surrogate)	95.6	%		NA	NA	100	None	PR 56-129	
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8141A	Triphenyl phosphate (Surrogate)	124	%		NA	NA	100	None	PR 56-129	
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	99	%		NA	NA	100	None	PR 56-129	

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Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Mustang Creek @	E	02/12/07	11:40	EPA 8321A	Tributylphosphate (Surrogate)	113	%		NA	NA	100	None	PR 60-150	

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East Ave														
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8321A	Tributylphosphate (Surrogate)	97.7	%		NA	NA	100	None	PR 60-150	
Mustang Creek @ East Ave	E	02/12/07	11:40	EPA 8321A	Triphenyl phosphate (Surrogate)	113	%		NA	NA	100	None	PR 56-129	
Mustang Creek @ East Ave	E	02/28/07	12:40	EPA 8321A	Triphenyl phosphate (Surrogate)	111	%		NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were received at 0.5°C. EPA recommends 2-6°C
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		The samples were received at 0.5°C. EPA recommends 2-6°C
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		

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Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 619	Cyanazine	0.11	µg/L	DNQ	0.086	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 619	Simazine	0.29	µg/L	DNQ	0.08	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 619	Tributylphosphate (Surrogate)	89.8	%		NA	NA	100	None	PR 62-145	
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 619	Tributylphosphate (Surrogate)	92	%		NA	NA	100	None	PR 62-145	
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 619	Triphenyl phosphate (Surrogate)	87.7	%		NA	NA	100	None	PR 54-144	
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 619	Triphenyl phosphate (Surrogate)	101	%		NA	NA	100	None	PR 54-144	
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		

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Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		

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Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Decachlorobiphenyl (Surrogate)	83.2	%		NA	NA	100	None	PR 41-117	
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Decachlorobiphenyl (Surrogate)	79.2	%		NA	NA	100	None	PR 16-146	
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	73.5	%		NA	NA	100	None	PR 16-146	
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	73.5	%		NA	NA	100	None	PR 41-117	
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	84.9	%		NA	NA	100	None	PR 41-117	
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	81	%		NA	NA	100	None	PR 15-98	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	88.9	%		NA	NA	100	None	PR 15-98	
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	88.9	%		NA	NA	100	None	PR 41-117	
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		Surrogate recovery is outside of control limits		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		Surrogate recovery is outside of control limits		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		Surrogate recovery is outside of control limits		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		Surrogate recovery is outside of control limits		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		Surrogate recovery is outside of control limits		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		Surrogate recovery is outside of control limits		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		Surrogate recovery is outside of control limits		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		Surrogate recovery is outside of control limits		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		

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Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		Surrogate recovery is outside of control limits		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		Surrogate recovery is outside of control limits		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		Surrogate recovery is outside of control limits		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		Surrogate recovery is outside of control limits		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Tributylphosphate (Surrogate)	105	%		NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Tributylphosphate (Surrogate)	117	%		NA	NA	100	None	PR 60-150	

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Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Tributylphosphate (Surrogate)	70.4	%		NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Triphenyl phosphate (Surrogate)	104	%		NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8141A	Triphenyl phosphate (Surrogate)	138	%		NA	NA	100	Surrogate recovery is outside of control limits	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8141A	Triphenyl phosphate (Surrogate)	101	%		NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		

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Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8321A	Diuron	0.85	µg/L		0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		

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Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8321A	Tributylphosphate (Surrogate)	99.3	%		NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8321A	Tributylphosphate (Surrogate)	97.9	%		NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	02/11/07	12:05	EPA 8321A	Triphenyl phosphate (Surrogate)	86.6	%		NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	03/01/07	12:20	EPA 8321A	Triphenyl phosphate (Surrogate)	92.4	%		NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported.
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		The samples were received at 1.9°C. The EPA recommends 2-6°C.
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5		None		

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Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 619	Tributylphosphate (Surrogate)	79.4	%		NA	NA	100	None	PR 62-145	
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 619	Tributylphosphate (Surrogate)	87.8	%		NA	NA	100	None	PR 62-145	
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 619	Triphenyl phosphate (Surrogate)	77.8	%		NA	NA	100	None	PR 54-144	
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 619	Triphenyl phosphate (Surrogate)	96.9	%		NA	NA	100	None	PR 54-144	
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	67.9	%		NA	NA	100	None	PR 41-117	
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	65.4	%		NA	NA	100	None	PR 16-146	
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Decachlorobiphenyl (Surrogate)	66.6	%		NA	NA	100	None	PR 41-117	
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Decachlorobiphenyl (Surrogate)	66.6	%		NA	NA	100	None	PR 16-146	
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow	E	02/12/07	10:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		

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Dr														
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	87.2	%		NA	NA	100	None	PR 41-117	
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	84.7	%		NA	NA	100	None	PR 15-98	
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	82.8	%		NA	NA	100	None	PR 15-98	
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	82.8	%		NA	NA	100	None	PR 41-117	
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		
Silva Drain @ Meadow	E	02/28/07	16:55	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2		None		

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference
FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dr														
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Tributylphosphate (Surrogate)	114	%		NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Tributylphosphate (Surrogate)	109	%		NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Tributylphosphate (Surrogate)	87.8	%		NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Tributylphosphate (Surrogate)	78.6	%		NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Triphenyl phosphate (Surrogate)	102	%		NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8141A	Triphenyl phosphate (Surrogate)	116	%		NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Triphenyl phosphate (Surrogate)	96.9	%		NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8141A	Triphenyl phosphate (Surrogate)	86.1	%		NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8321A	Diuron	0.41	µg/L		0.2	0.4		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8321A	Diuron	0.82	µg/L		0.2	0.4		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8321A	Tributylphosphate (Surrogate)	98.5	%		NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8321A	Tributylphosphate (Surrogate)	77.7	%		NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	02/12/07	10:20	EPA 8321A	Triphenyl phosphate (Surrogate)	115	%		NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	02/28/07	16:55	EPA 8321A	Triphenyl phosphate (Surrogate)	88.1	%		NA	NA	100	None	PR 56-129	

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Table I-3. Inorganic Monitoring Results

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 200.8	Arsenic	3.4	µg/L		0.3	0.5			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 200.8	Arsenic	1.5	µg/L		0.3	0.5			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 200.8	Boron	16	µg/L		0.2	1			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 200.8	Boron	12	µg/L		0.9	1			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 200.8	Cadmium	0.05	µg/L	DNQ	0.02	0.1			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 200.8	Cadmium	0.04	µg/L	DNQ	0.02	0.1			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 110.2	Color	180	color units		30	30			None		DF=10
Bear Creek @ Kibby Rd	E	1.00	2.00	2/12/07	12:40	EPA 110.2	Color	110	color units		15	20	180	48	RPD exceeds laboratory control limit	RPD <25	DF=5
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 110.2	Color	100	color units		15	20			None		DF=5
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 200.8	Copper	12	µg/L		0.3	0.5			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 200.8	Copper	7.3	µg/L		0.3	0.5			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	SM 9223	E. coli	2400	MPN/100 mL	>	1	1			None		AnalysisTime=07:56

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	SM 9223	E. coli	1300	MPN/100 mL		1	1			None		AnalysisTime=07:43
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 130.2	Hardness as CaCO3	100	mg/L		6	10			None		DF=2
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 130.2	Hardness as CaCO3	150	mg/L		15	20			None		DF=5
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 200.8	Lead	2.4	µg/L		0.1	0.25			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 200.8	Lead	1.1	µg/L		0.1	0.25			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 200.8	Nickel	7.4	µg/L		0.4	0.5			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 200.8	Nickel	4.3	µg/L		0.4	0.5			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 300.0	Nitrate as N	1.1	mg/L		0.006	0.05			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 300.0	Nitrate as N	NA	mg/L	NA	0.006	0.05			Not Recorded		COC mixup- sample was supposed to be analyzed for nitrate but wasn't checked on COC
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 354.1	Nitrite as N	0.012	mg/L	DNQ	0.002	0.03			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 354.1	Nitrite as N	NA	mg/L	NA	0.002	0.03			Not Recorded		COC mixup- sample was supposed to be analyzed for nitrite but wasn't checked on COC
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 351.3	Nitrogen, Total Kjeldahl	1.4	mg/L		0.07	0.1			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 351.3	Nitrogen, Total Kjeldahl	0.92	mg/L		0.07	0.1			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 365.2	OrthoPhosphate as P	0.08	mg/L		0.01	0.01			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 365.2	OrthoPhosphate as P	NA	mg/L	NA	0.01	0.01			Not Recorded		COC mixup- sample was supposed to be analyzed for orthophosphate but wasn't checked on COC
Bear Creek @ Kibby	E	1.00	1.00	2/12/07	12:40	EPA 365.2	Phosphate as P	0.28	mg/L		0.01	0.01			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Rd																	
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 365.2	Phosphate as P	0.16	mg/L		0.01	0.01			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 200.8	Selenium	1	µg/L		0.9	1			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 160.1	Total Dissolved Solids	140	mg/L		8	20			None		DF=2
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 160.1	Total Dissolved Solids	130	mg/L		4	10			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 415.1	Total Organic Carbon	8.4	mg/L		0.3	0.5			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 415.1	Total Organic Carbon	10	mg/L		0.3	1			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 180.1	Turbidity	82	NTU		0.02	0.05			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 180.1	Turbidity	37	NTU		0.02	0.05			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	2/12/07	12:40	EPA 200.8	Zinc	17	µg/L		0.4	1			None		DF=1
Bear Creek @ Kibby Rd	E	1.00	1.00	3/1/07	9:45	EPA 200.8	Zinc	8	µg/L		0.4	1			None		DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	2/12/07	13:10	EPA 405.1	BOD	10	mg/L		0.6	5			None		DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	3/1/07	10:35	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	2/12/07	13:10	EPA 110.2	Color	110	color units		15	20			None		DF=5
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	3/1/07	10:35	EPA 110.2	Color	180	color units		15	20			None		DF=5

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	2/12/07	13:10	SM 9223	E. coli	2400	MPN/100 mL	>	1	1			None		AnalysisTime=08:00
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	3/1/07	10:35	SM 9223	E. coli	2400	MPN/100 mL		1	1			None		AnalysisTime=07:43
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	3/1/07	10:35	EPA 300.0	Nitrate as N	0.62	mg/L		0.006	0.05			None		DF=1; COC mixup- was not supposed to be analyzed for nitrate
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	3/1/07	10:35	EPA 354.1	Nitrite as N	0.031	mg/L		0.002	0.03			None		DF=1; COC mixup- was not supposed to be analyzed for nitrite
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	3/1/07	10:35	EPA 365.2	OrthoPhosphate as P	0.07	mg/L		0.01	0.01			None		DF=1; COC mixup- was not supposed to be analyzed for orthophosphate
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	2/12/07	13:10	EPA 160.1	Total Dissolved Solids	150	mg/L		8	20			None		DF=2
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	3/1/07	10:35	EPA 160.1	Total Dissolved Solids	110	mg/L		4	10			None		DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	2/12/07	13:10	EPA 415.1	Total Organic Carbon	9.8	mg/L		0.3	0.5			None		DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	3/1/07	10:35	EPA 415.1	Total Organic Carbon	15	mg/L		0.3	1			None		DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	2/12/07	13:10	EPA 180.1	Turbidity	72	NTU		0.02	0.05			None		DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	1.00	3/1/07	10:35	EPA 180.1	Turbidity	38	NTU		0.02	0.05			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 350.2	Ammonia as N	0.19	mg/L		0.04	0.1			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 200.8	Arsenic	14	µg/L		0.3	0.5			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 200.8	Arsenic	14	µg/L		0.3	0.5			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 405.1	BOD	7	mg/L		0.6	5			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 200.8	Boron	24	µg/L		1.8	2			None		DF=2
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 200.8	Boron	25	µg/L		1.8	2			None		DF=2
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 200.8	Cadmium	0.07	µg/L	DNQ	0.02	0.1			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 200.8	Cadmium	0.04	µg/L	DNQ	0.02	0.1			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 110.2	Color	200	color units		30	30			None		DF=10
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 110.2	Color	60	color units		15	20			None		DF=5

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 200.8	Copper	16	µg/L		0.3	0.5			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 200.8	Copper	9.7	µg/L		0.3	0.5			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	SM 9223	E. coli	2400	MPN/100 mL	>	1	1			None		AnalysisTime=08:07
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	SM 9223	E. coli	1000	MPN/100 mL		1	1			None		AnalysisTime=07:50
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 130.2	Hardness as CaCO3	180	mg/L		6	10			None		DF=2
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 130.2	Hardness as CaCO3	170	mg/L		3	5			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 200.8	Lead	3.1	µg/L		0.1	0.25			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 200.8	Lead	1.8	µg/L		0.1	0.25			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 200.8	Nickel	16	µg/L		0.4	0.5			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 200.8	Nickel	11	µg/L		0.4	0.5			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 300.0	Nitrate as N	2	mg/L		0.006	0.05			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 300.0	Nitrate as N	0.7	mg/L		0.006	0.05			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 354.1	Nitrite as N	0.048	mg/L		0.002	0.03			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 354.1	Nitrite as N	0.02	mg/L	DNQ	0.002	0.03			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 351.3	Nitrogen, Total Kjeldahl	2.1	mg/L		0.07	0.1			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 351.3	Nitrogen, Total Kjeldahl	1.1	mg/L		0.07	0.1			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 365.2	OrthoPhosphate as P	0.26	mg/L		0.01	0.01			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 365.2	OrthoPhosphate as P	0.11	mg/L		0.01	0.01			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 365.2	Phosphate as P	0.06	mg/L		0.01	0.01			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 365.2	Phosphate as P	0.28	mg/L		0.01	0.01			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 200.8	Selenium	1	µg/L		0.9	1			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 160.1	Total Dissolved Solids	330	mg/L		8	20			None		DF=2
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 160.1	Total Dissolved Solids	340	mg/L		4	10			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 415.1	Total Organic Carbon	4.7	mg/L		0.3	0.5			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 415.1	Total Organic Carbon	3	mg/L		0.3	1			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 180.1	Turbidity	120	NTU		0.02	0.05			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 180.1	Turbidity	48	NTU		0.02	0.05			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/11/07	15:45	EPA 200.8	Zinc	34	µg/L		0.4	1			None		DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	1.00	2/28/07	14:10	EPA 200.8	Zinc	20	µg/L		0.4	1			None		DF=1
Deadman Creek @ Hwy 59	E	1.00	1.00	2/11/07	14:20	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Deadman Creek @ Hwy 59	E	1.00	1.00	2/28/07	13:15	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Deadman Creek @ Hwy 59	E	1.00	1.00	2/11/07	14:20	EPA 110.2	Color	100	color units		15	20			None		DF=5
Deadman Creek @ Hwy 59	E	1.00	1.00	2/28/07	13:15	EPA 110.2	Color	120	color units		15	20			None		DF=5
Deadman Creek @ Hwy 59	E	1.00	1.00	2/11/07	14:20	SM 9223	E. coli	400	MPN/100 mL		1	1			None		AnalysisTime=08:07
Deadman Creek @ Hwy 59	E	1.00	1.00	2/28/07	13:15	SM 9223	E. coli	490	MPN/100 mL		1	1			None		AnalysisTime=07:50
Deadman Creek @ Hwy 59	E	1.00	1.00	2/11/07	14:20	EPA 160.1	Total Dissolved Solids	320	mg/L		8	20			None		DF=2
Deadman Creek @ Hwy 59	E	1.00	1.00	2/28/07	13:15	EPA 160.1	Total Dissolved Solids	340	mg/L		4	10			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	1.00	1.00	2/11/07	14:20	EPA 415.1	Total Organic Carbon	4.6	mg/L		0.3	0.5			None		DF=1
Deadman Creek @ Hwy 59	E	1.00	1.00	2/28/07	13:15	EPA 415.1	Total Organic Carbon	2.5	mg/L		0.3	1			None		DF=1
Deadman Creek @ Hwy 59	E	1.00	1.00	2/11/07	14:20	EPA 180.1	Turbidity	52	NTU		0.02	0.05			None		DF=1
Deadman Creek @ Hwy 59	E	1.00	1.00	2/28/07	13:15	EPA 180.1	Turbidity	52	NTU		0.02	0.05			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 200.8	Arsenic	1.9	µg/L		0.3	0.5			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 200.8	Boron	19	µg/L		0.2	1			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 200.8	Cadmium	0.05	µg/L	DNQ	0.02	0.1			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 110.2	Color	35	color units		3	3			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 200.8	Copper	14	µg/L		0.3	0.5			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	SM 9223	E. coli	40	MPN/100 mL		1	1			None		AnalysisTime=08:07
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 130.2	Hardness as CaCO3	36	mg/L		3	5			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 200.8	Lead	0.7	µg/L		0.1	0.25			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 200.8	Nickel	1.6	µg/L		0.4	0.5			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 300.0	Nitrate as N	<0.006	mg/L	ND	0.006	0.05			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 351.3	Nitrogen, Total Kjeldahl	0.49	mg/L		0.07	0.1			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 365.2	Phosphate as P	0.069	mg/L		0.01	0.01			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 160.1	Total Dissolved Solids	46	mg/L		4	10			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 415.1	Total Organic Carbon	3.1	mg/L		0.3	0.5			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 180.1	Turbidity	11	NTU		0.02	0.05			None		DF=1
Dry Creek @ Rd 18	E	1.00	1.00	2/11/07	11:50	EPA 200.8	Zinc	10	µg/L		0.4	1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 350.2	Ammonia as N	0.49	mg/L		0.04	0.1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 200.8	Arsenic	1	µg/L		0.3	0.5			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 200.8	Arsenic	1.6	µg/L		0.3	0.5			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 200.8	Boron	20	µg/L		0.2	1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 200.8	Boron	32	µg/L		0.9	1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 200.8	Cadmium	0.03	µg/L	DNQ	0.02	0.1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 110.2	Color	50	color units		6	6			None		DF=2
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 110.2	Color	250	color units		30	30			None		DF=10

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 200.8	Copper	1.9	µg/L		0.3	0.5			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 200.8	Copper	8.4	µg/L		0.3	0.5			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	SM 9223	E. coli	290	MPN/100 mL		1	1			None		AnalysisTime=08:07
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	SM 9223	E. coli	2400	MPN/100 mL	>	1	1			None		AnalysisTime=07:50
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 130.2	Hardness as CaCO3	100	mg/L		3	5			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 130.2	Hardness as CaCO3	74	mg/L		3	5			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 200.8	Lead	0.19	µg/L	DNQ	0.1	0.25			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 200.8	Lead	2	µg/L		0.1	0.25			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 200.8	Nickel	1.7	µg/L		0.4	0.5			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 200.8	Nickel	4.1	µg/L		0.4	0.5			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 300.0	Nitrate as N	0.76	mg/L		0.006	0.05			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 300.0	Nitrate as N	1.1	mg/L		0.006	0.05			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 354.1	Nitrite as N	0.025	mg/L	DNQ	0.002	0.03			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 354.1	Nitrite as N	0.021	mg/L	DNQ	0.002	0.03			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 351.3	Nitrogen, Total Kjeldahl	1.2	mg/L		0.07	0.1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 351.3	Nitrogen, Total Kjeldahl	1.8	mg/L		0.07	0.1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 365.2	OrthoPhosphate as P	0.21	mg/L		0.01	0.01			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 365.2	OrthoPhosphate as P	0.19	mg/L		0.01	0.01			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 365.2	Phosphate as P	0.32	mg/L		0.01	0.01			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 365.2	Phosphate as P	0.38	mg/L		0.01	0.01			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 160.1	Total Dissolved Solids	150	mg/L		8	20			None		DF=2
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 160.1	Total Dissolved Solids	140	mg/L		4	10			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 415.1	Total Organic Carbon	4.7	mg/L		0.3	0.5			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 415.1	Total Organic Carbon	11	mg/L		0.3	1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 180.1	Turbidity	4.6	NTU		0.02	0.05			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 180.1	Turbidity	67	NTU		0.02	0.05			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/11/07	10:30	EPA 200.8	Zinc	7	µg/L		0.4	1			None		DF=1
Dry Creek @ Wellsford Rd	E	1.00	1.00	2/28/07	9:50	EPA 200.8	Zinc	14	µg/L		0.4	1			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 350.2	Ammonia as N	0.16	mg/L		0.04	0.1			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 350.2	Ammonia as N	0.12	mg/L		0.04	0.1			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 200.8	Arsenic	7.3	µg/L		0.3	0.5			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 200.8	Arsenic	7.3	µg/L		0.3	0.5			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 200.8	Arsenic	3.3	µg/L		0.3	0.5			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 405.1	BOD	8	mg/L		0.6	5			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 405.1	BOD	9	mg/L		0.6	5			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 200.8	Boron	16	µg/L		1	5			None		DF=5
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 200.8	Boron	16	µg/L		1	5			None		DF=5
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 200.8	Boron	9	µg/L		1.8	2			None		DF=2
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 200.8	Cadmium	0.2	µg/L		0.02	0.1			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 200.8	Cadmium	0.3	µg/L		0.02	0.1			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 200.8	Cadmium	0.04	µg/L	DNQ	0.02	0.1			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 110.2	Color	550	color units		150	200			None		DF=50

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 110.2	Color	550	color units		150	200			None		DF=50
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 110.2	Color	170	color units		30	30			None		DF=10
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 200.8	Copper	47	µg/L		0.3	0.5			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 200.8	Copper	46	µg/L		0.3	0.5			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 200.8	Copper	11	µg/L		0.3	0.5			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	SM 9223	E. coli	2400	MPN/100 mL	>	1	1			None		AnalysisTime=08:00
Duck Slough @ Gurr Rd	E	1.00	2.00	2/12/07	9:15	SM 9223	E. coli	2400	MPN/100 mL	>	1	1	2400	RLOG 0	None	RLOG <1.30	AnalysisTime=08:00
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	SM 9223	E. coli	2000	MPN/100 mL		1	1			None		AnalysisTime=07:50
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 130.2	Hardness as CaCO3	160	mg/L		6	10			None		DF=2
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 130.2	Hardness as CaCO3	140	mg/L		6	10			None		DF=2
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 130.2	Hardness as CaCO3	94	mg/L		3	5			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 200.8	Lead	13	µg/L		0.1	0.25			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 200.8	Lead	14	µg/L		0.1	0.25			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 200.8	Lead	2.4	µg/L		0.1	0.25			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 200.8	Nickel	54	µg/L		0.4	0.5			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 200.8	Nickel	55	µg/L		0.4	0.5			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 200.8	Nickel	13	µg/L		0.4	0.5			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 300.0	Nitrate as N	0.64	mg/L		0.006	0.05			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 300.0	Nitrate as N	0.66	mg/L		0.006	0.05			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 300.0	Nitrate as N	0.52	mg/L		0.006	0.05			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 354.1	Nitrite as N	0.0088	mg/L	DNQ	0.002	0.03			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 354.1	Nitrite as N	0.0095	mg/L	DNQ	0.002	0.03			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 354.1	Nitrite as N	0.005	mg/L	DNQ	0.002	0.03			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 351.3	Nitrogen, Total Kjeldahl	3	mg/L		0.07	0.1			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 351.3	Nitrogen, Total Kjeldahl	3.3	mg/L		0.07	0.1			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.96	mg/L		0.07	0.1			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 365.2	OrthoPhosphate as P	0.14	mg/L		0.01	0.01			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 365.2	OrthoPhosphate as P	0.12	mg/L		0.01	0.01			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 365.2	OrthoPhosphate as P	0.081	mg/L		0.01	0.01			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 365.2	Phosphate as P	1	mg/L		0.01	0.01			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 365.2	Phosphate as P	1.3	mg/L		0.01	0.01			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 365.2	Phosphate as P	0.28	mg/L		0.01	0.01			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 200.8	Selenium	1	µg/L		0.9	1			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 160.1	Total Dissolved Solids	190	mg/L		8	20			None		DF=2

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 160.1	Total Dissolved Solids	190	mg/L		8	20			None		DF=2
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 160.1	Total Dissolved Solids	130	mg/L		4	10			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 415.1	Total Organic Carbon	6.9	mg/L		0.3	0.5			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 415.1	Total Organic Carbon	6.5	mg/L		0.3	0.5			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 415.1	Total Organic Carbon	5.9	mg/L		0.3	0.5			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 180.1	Turbidity	450	NTU		0.1	0.2			None		DF=5
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 180.1	Turbidity	420	NTU		0.1	0.2			None		DF=5
Duck Slough @ Gurr Rd	E	1.00	2.00	2/12/07	9:15	EPA 180.1	Turbidity	445.5	NTU		0.1	0.2	420	0.2	None	RPD <25	DF=5
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 180.1	Turbidity	71	NTU		0.02	0.05			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/12/07	9:15	EPA 200.8	Zinc	83	µg/L		0.4	1			None		DF=1
Duck Slough @ Gurr Rd	E	2.00	1.00	2/12/07	9:15	EPA 200.8	Zinc	80	µg/L		0.4	1			None		DF=1
Duck Slough @ Gurr Rd	E	1.00	1.00	2/28/07	15:20	EPA 200.8	Zinc	22	µg/L		0.4	1			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 200.8	Arsenic	7	µg/L		0.3	0.5			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 200.8	Arsenic	2.8	µg/L		0.3	0.5			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 200.8	Boron	14	µg/L		0.4	2			None		DF=2
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 200.8	Boron	9	µg/L		1.8	2			None		DF=2
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 200.8	Cadmium	0.2	µg/L		0.02	0.1			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 200.8	Cadmium	0.03	µg/L	DNQ	0.02	0.1			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 110.2	Color	450	color units		150	200			None		DF=50
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 110.2	Color	120	color units		30	30			None		DF=10
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 200.8	Copper	31	µg/L		0.3	0.5			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 200.8	Copper	7.9	µg/L		0.3	0.5			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	SM 9223	E. coli	2400	MPN/100 mL		1	1			None		AnalysisTime=07:56
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	SM 9223	E. coli	2400	MPN/100 mL		1	1			None		AnalysisTime=07:50
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 130.2	Hardness as CaCO3	110	mg/L		6	10			None		DF=2
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 130.2	Hardness as CaCO3	88	mg/L		3	5			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 200.8	Lead	15	µg/L		0.1	0.25			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 200.8	Lead	1.6	µg/L		0.1	0.25			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 200.8	Nickel	41	µg/L		0.4	0.5			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 200.8	Nickel	9	µg/L		0.4	0.5			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 300.0	Nitrate as N	0.8	mg/L		0.006	0.05			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 300.0	Nitrate as N	0.51	mg/L		0.006	0.05			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 354.1	Nitrite as N	0.0082	mg/L	DNQ	0.002	0.03			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 354.1	Nitrite as N	0.004	mg/L	DNQ	0.002	0.03			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 351.3	Nitrogen, Total Kjeldahl	2.2	mg/L		0.07	0.1			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 351.3	Nitrogen, Total Kjeldahl	0.81	mg/L		0.07	0.1			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 365.2	OrthoPhosphate as P	0.2	mg/L		0.01	0.01			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 365.2	OrthoPhosphate as P	0.078	mg/L		0.01	0.01			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 365.2	Phosphate as P	0.8	mg/L		0.01	0.01			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 365.2	Phosphate as P	0.16	mg/L		0.01	0.01			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 160.1	Total Dissolved Solids	170	mg/L		8	20			None		DF=2
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 160.1	Total Dissolved Solids	130	mg/L		4	10			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 415.1	Total Organic Carbon	7.1	mg/L		0.3	0.5			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 415.1	Total Organic Carbon	6.4	mg/L		0.3	0.5			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 180.1	Turbidity	310	NTU		0.1	0.2			None		DF=5
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 180.1	Turbidity	49	NTU		0.02	0.05			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/12/07	11:35	EPA 200.8	Zinc	58	µg/L		0.4	1			None		DF=1
Duck Slough @ Hwy 99	E	1.00	1.00	2/28/07	16:45	EPA 200.8	Zinc	12	µg/L		0.4	1			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 200.8	Arsenic	1.4	µg/L		0.3	0.5			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 200.8	Boron	11	µg/L		0.2	1			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 110.2	Color	20	color units		3	3			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 200.8	Copper	3	µg/L		0.3	0.5			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	SM 9223	E. coli	55	MPN/100 mL		1	1			None		AnalysisTime=08:07
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 130.2	Hardness as CaCO3	18	mg/L		3	5			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 200.8	Lead	0.52	µg/L		0.1	0.25			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 200.8	Nickel	1.4	µg/L		0.4	0.5			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 300.0	Nitrate as N	0.091	mg/L		0.006	0.05			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 354.1	Nitrite as N	0.0035	mg/L	DNQ	0.002	0.03			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 351.3	Nitrogen, Total Kjeldahl	0.26	mg/L		0.07	0.1			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 365.2	Phosphate as P	0.054	mg/L		0.01	0.01			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 160.1	Total Dissolved Solids	<4	mg/L	ND	4	10			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 415.1	Total Organic Carbon	1.9	mg/L		0.3	0.5			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 180.1	Turbidity	13	NTU		0.02	0.05			None		DF=1
Highline Canal @ Hwy 99	E	1.00	1.00	2/11/07	14:45	EPA 200.8	Zinc	24	µg/L		0.4	1			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 200.8	Arsenic	0.5	µg/L		0.3	0.5			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 200.8	Arsenic	1	µg/L		0.3	0.5			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 200.8	Boron	7	µg/L		0.2	1			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 200.8	Boron	10	µg/L		0.9	1			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1			None		DF=1
Highline Canal @ Lombardy	E	1.00	1.00	2/28/07	13:55	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Rd																	
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 110.2	Color	25	color units		3	3			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 110.2	Color	25	color units		3	3			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 200.8	Copper	2.5	µg/L		0.3	0.5			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 200.8	Copper	5.3	µg/L		0.3	0.5			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	SM 9223	E. coli	41	MPN/100 mL		1	1			None		AnalysisTime=08:07
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	SM 9223	E. coli	15	MPN/100 mL		1	1			None		AnalysisTime=07:50
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 130.2	Hardness as CaCO3	18	mg/L		3	5			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 130.2	Hardness as CaCO3	56	mg/L		3	5			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 200.8	Lead	0.45	µg/L		0.1	0.25			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 200.8	Lead	0.49	µg/L		0.1	0.25			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 200.8	Nickel	1.2	µg/L		0.4	0.5			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 200.8	Nickel	2	µg/L		0.4	0.5			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 300.0	Nitrate as N	0.062	mg/L		0.006	0.05			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 300.0	Nitrate as N	0.2	mg/L		0.006	0.05			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 354.1	Nitrite as N	0.008	mg/L	DNQ	0.002	0.03			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 351.3	Nitrogen, Total Kjeldahl	0.11	mg/L		0.07	0.1			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 351.3	Nitrogen, Total Kjeldahl	0.67	mg/L		0.07	0.1			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 365.2	OrthoPhosphate as P	0.011	mg/L		0.01	0.01			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 365.2	OrthoPhosphate as P	0.027	mg/L		0.01	0.01			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 365.2	Phosphate as P	0.06	mg/L		0.01	0.01			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 365.2	Phosphate as P	0.077	mg/L		0.01	0.01			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 160.1	Total Dissolved Solids	24	mg/L		4	10			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	2.00	2/11/07	16:15	EPA 160.1	Total Dissolved Solids	25	mg/L		4	10	24	4.1	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 160.1	Total Dissolved Solids	65	mg/L		4	10			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	1.00	2.00	2/28/07	13:55	EPA 160.1	Total Dissolved Solids	63	mg/L		4	10	65	3.1	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 415.1	Total Organic Carbon	1.9	mg/L		0.3	0.5			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 415.1	Total Organic Carbon	3.7	mg/L		0.3	1			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 180.1	Turbidity	13	NTU		0.02	0.05			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 180.1	Turbidity	12	NTU		0.02	0.05			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/11/07	16:15	EPA 200.8	Zinc	6	µg/L		0.4	1			None		DF=1
Highline Canal @ Lombardy Rd	E	1.00	1.00	2/28/07	13:55	EPA 200.8	Zinc	5	µg/L		0.4	1			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 350.2	Ammonia as N	13	mg/L		0.04	0.1			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 200.8	Arsenic	2.3	µg/L		0.3	0.5			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 200.8	Arsenic	3.4	µg/L		0.3	0.5			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 405.1	BOD	58	mg/L		0.6	5			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 200.8	Boron	49	µg/L		0.2	1			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 200.8	Boron	280	µg/L		4.5	5			None		DF=5

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 200.8	Cadmium	0.08	µg/L	DNQ	0.02	0.1			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 200.8	Cadmium	0.05	µg/L	DNQ	0.02	0.1			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 110.2	Color	250	color units		30	30			None		DF=10
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 110.2	Color	35	color units		3	3			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 200.8	Copper	84	µg/L		0.3	0.5			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 200.8	Copper	7.2	µg/L		0.3	0.5			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	SM 9223	E. coli	2400	MPN/100 mL	>	1	1			None		AnalysisTime=08:07
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	SM 9223	E. coli	11	MPN/100 mL		1	1			None		AnalysisTime=07:43
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 130.2	Hardness as CaCO3	110	mg/L		6	10			None		DF=2
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 130.2	Hardness as CaCO3	320	mg/L		15	20			None		DF=5
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 200.8	Lead	0.69	µg/L		0.1	0.25			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 200.8	Lead	0.18	µg/L	DNQ	0.1	0.25			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 200.8	Nickel	3.4	µg/L		0.4	0.5			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 200.8	Nickel	4.8	µg/L		0.4	0.5			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 300.0	Nitrate as N	2.9	mg/L		0.006	0.05			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 300.0	Nitrate as N	8.5	mg/L		0.006	0.05			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 354.1	Nitrite as N	0.34	mg/L		0.002	0.03			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 354.1	Nitrite as N	0.38	mg/L		0.002	0.03			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 351.3	Nitrogen, Total Kjeldahl	21	mg/L		0.07	0.1			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 351.3	Nitrogen, Total Kjeldahl	1.3	mg/L		0.07	0.1			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 365.2	OrthoPhosphate as P	1.5	mg/L		0.02	0.02			None		DF=2
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 365.2	OrthoPhosphate as P	0.012	mg/L		0.01	0.01			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 365.2	Phosphate as P	3.1	mg/L		0.05	0.05			None		DF=5
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 365.2	Phosphate as P	0.16	mg/L		0.01	0.01			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 200.8	Selenium	2	µg/L		0.9	1			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 160.1	Total Dissolved Solids	260	mg/L		8	20			None		DF=2
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 160.1	Total Dissolved Solids	790	mg/L		4	10			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 415.1	Total Organic Carbon	49	mg/L		0.3	0.5			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 415.1	Total Organic Carbon	10	mg/L		0.3	1			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 180.1	Turbidity	52	NTU		0.02	0.05			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	2.00	2/11/07	13:15	EPA 180.1	Turbidity	51.2	NTU		0.02	0.05	52	1.4	None	RPD <25	DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 180.1	Turbidity	4.5	NTU		0.02	0.05			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	2/11/07	13:15	EPA 200.8	Zinc	55	µg/L		0.4	1			None		DF=1
Hilmar Drain @ Central Ave	E	1.00	1.00	3/1/07	12:35	EPA 200.8	Zinc	4	µg/L		0.4	1			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 350.2	Ammonia as N	4.7	mg/L		0.04	0.1			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 200.8	Arsenic	2.7	µg/L		0.3	0.5			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 200.8	Arsenic	1.1	µg/L		0.3	0.5			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 405.1	BOD	9	mg/L		0.6	5			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	2.00	3/1/07	9:30	EPA 405.1	BOD	0	mg/L		0.6	5	<0.6	NA	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 200.8	Boron	19	µg/L		0.2	1			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 200.8	Boron	10	µg/L		0.9	1			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 200.8	Cadmium	0.1	µg/L		0.02	0.1			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 200.8	Cadmium	0.07	µg/L	DNQ	0.02	0.1			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 110.2	Color	200	color units		75	80			None		DF=25
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 110.2	Color	35	color units		15	20			None		DF=5
Jones Drain @ Oakdale Rd	E	1.00	2.00	3/1/07	9:30	EPA 110.2	Color	35	color units		15	20	35	0	None	RPD <25	DF=5
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 200.8	Copper	21	µg/L		0.3	0.5			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 200.8	Copper	13	µg/L		0.3	0.5			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	SM 9223	E. coli	2400	MPN/100 mL	>	1	1			None		AnalysisTime=08:00
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	SM 9223	E. coli	150	MPN/100 mL		1	1			None		AnalysisTime=07:43
Jones Drain @ Oakdale Rd	E	1.00	2.00	3/1/07	9:30	SM 9223	E. coli	110	MPN/100 mL		1	1	150	RLOG 0.073	None	RLOG <1.30	AnalysisTime=07:43
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 130.2	Hardness as CaCO3	84	mg/L		6	10			None		DF=2
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 130.2	Hardness as CaCO3	78	mg/L		3	5			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 200.8	Lead	2.2	µg/L		0.1	0.25			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 200.8	Lead	2.6	µg/L		0.1	0.25			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 200.8	Nickel	8.2	µg/L		0.4	0.5			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 200.8	Nickel	9.9	µg/L		0.4	0.5			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 300.0	Nitrate as N	0.55	mg/L		0.006	0.05			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 300.0	Nitrate as N	0.83	mg/L		0.006	0.05			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 354.1	Nitrite as N	0.018	mg/L	DNQ	0.002	0.03			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 354.1	Nitrite as N	0.009	mg/L	DNQ	0.002	0.03			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 351.3	Nitrogen, Total Kjeldahl	7.7	mg/L		0.07	0.1			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.53	mg/L		0.07	0.1			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 365.2	OrthoPhosphate as P	1.2	mg/L		0.02	0.02			None		DF=2
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 365.2	OrthoPhosphate as P	0.078	mg/L		0.01	0.01			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 365.2	Phosphate as P	1.7	mg/L		0.01	0.01			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 365.2	Phosphate as P	0.19	mg/L		0.01	0.01			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 200.8	Selenium	0.96	µg/L	DNQ	0.9	1			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 160.1	Total Dissolved Solids	110	mg/L		8	20			None		DF=2
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 160.1	Total Dissolved Solids	120	mg/L		4	10			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Jones Drain @ Oakdale Rd	E	1.00	2.00	3/1/07	9:30	EPA 160.1	Total Dissolved Solids	118	mg/L		4	10	120	2.6	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 415.1	Total Organic Carbon	5	mg/L		0.3	0.5			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 415.1	Total Organic Carbon	1.4	mg/L		0.3	1			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 180.1	Turbidity	100	NTU		0.02	0.05			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 180.1	Turbidity	41	NTU		0.02	0.05			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	2.00	3/1/07	9:30	EPA 180.1	Turbidity	42.3	NTU		0.02	0.05	41	2.6	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	2/12/07	10:50	EPA 200.8	Zinc	30	µg/L		0.4	1			None		DF=1
Jones Drain @ Oakdale Rd	E	1.00	1.00	3/1/07	9:30	EPA 200.8	Zinc	36	µg/L		0.4	1			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 200.8	Arsenic	1.1	µg/L		0.3	0.5			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 200.8	Arsenic	1.5	µg/L		0.3	0.5			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 200.8	Boron	9	µg/L		0.2	1			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 200.8	Boron	11	µg/L		0.9	1			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 110.2	Color	45	color units		15	20			None		DF=5
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 110.2	Color	60	color units		15	20			None		DF=5
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 200.8	Copper	2.9	µg/L		0.3	0.5			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 200.8	Copper	3.4	µg/L		0.3	0.5			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 130.2	Hardness as CaCO3	28	mg/L		3	5			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 130.2	Hardness as CaCO3	50	mg/L		3	5			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 200.8	Lead	0.82	µg/L		0.1	0.25			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 200.8	Lead	0.68	µg/L		0.1	0.25			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 200.8	Nickel	1.7	µg/L		0.4	0.5			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 200.8	Nickel	1.9	µg/L		0.4	0.5			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 300.0	Nitrate as N	0.14	mg/L		0.006	0.05			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 300.0	Nitrate as N	0.3	mg/L		0.006	0.05			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 354.1	Nitrite as N	0.01	mg/L	DNQ	0.002	0.03			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 354.1	Nitrite as N	0.006	mg/L	DNQ	0.002	0.03			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.3	mg/L		0.07	0.1			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 351.3	Nitrogen, Total Kjeldahl	0.46	mg/L		0.07	0.1			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 365.2	OrthoPhosphate as P	0.056	mg/L		0.01	0.01			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 365.2	OrthoPhosphate as P	0.07	mg/L		0.01	0.01			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 365.2	Phosphate as P	0.12	mg/L		0.01	0.01			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 365.2	Phosphate as P	0.14	mg/L		0.01	0.01			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 160.1	Total Dissolved Solids	49	mg/L		4	10			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 160.1	Total Dissolved Solids	63	mg/L		4	10			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 415.1	Total Organic Carbon	6.8	mg/L		0.3	0.5			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 415.1	Total Organic Carbon	3.3	mg/L		0.3	0.5			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 180.1	Turbidity	34	NTU		0.02	0.05			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 180.1	Turbidity	30	NTU		0.02	0.05			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/12/07	9:20	EPA 200.8	Zinc	14	µg/L		0.4	1			None		DF=1
Merced River @ Santa Fe	E	1.00	1.00	2/28/07	15:45	EPA 200.8	Zinc	6	µg/L		0.4	1			None		DF=1
Mustang Creek @ East Ave	E	1.00	1.00	2/12/07	11:40	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Mustang Creek @ East Ave	E	1.00	1.00	2/28/07	12:40	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Mustang Creek @ East Ave	E	1.00	1.00	2/12/07	11:40	EPA 110.2	Color	140	color units		15	20			None		DF=5
Mustang Creek @ East Ave	E	1.00	1.00	2/28/07	12:40	EPA 110.2	Color	70	color units		6	6			None		DF=2

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Mustang Creek @ East Ave	E	1.00	1.00	2/12/07	11:40	SM 9223	E. coli	150	MPN/100 mL		1	1			None		AnalysisTime=08:00
Mustang Creek @ East Ave	E	1.00	1.00	2/28/07	12:40	SM 9223	E. coli	100	MPN/100 mL		1	1			None		AnalysisTime=07:50
Mustang Creek @ East Ave	E	1.00	1.00	2/12/07	11:40	EPA 160.1	Total Dissolved Solids	430	mg/L		8	20			None		DF=2
Mustang Creek @ East Ave	E	1.00	1.00	2/28/07	12:40	EPA 160.1	Total Dissolved Solids	460	mg/L		4	10			None		DF=1
Mustang Creek @ East Ave	E	1.00	1.00	2/12/07	11:40	EPA 415.1	Total Organic Carbon	18	mg/L		0.3	0.5			None		DF=1
Mustang Creek @ East Ave	E	1.00	1.00	2/28/07	12:40	EPA 415.1	Total Organic Carbon	16	mg/L		0.3	1			None		DF=1
Mustang Creek @ East Ave	E	1.00	1.00	2/12/07	11:40	EPA 180.1	Turbidity	7.5	NTU		0.02	0.05			None		DF=1
Mustang Creek @ East Ave	E	1.00	1.00	2/28/07	12:40	EPA 180.1	Turbidity	2.4	NTU		0.02	0.05			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 350.2	Ammonia as N	0.12	mg/L		0.04	0.1			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 200.8	Arsenic	9.6	µg/L		0.3	0.5			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 200.8	Arsenic	8	µg/L		0.3	0.5			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 405.1	BOD	8	mg/L		0.6	5			None		DF=1
Prairie Flower Drain @ Crows	E	1.00	1.00	3/1/07	12:20	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1

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Landing Rd																	
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 200.8	Boron	420	µg/L		1	5			None		DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 200.8	Boron	400	µg/L		4.5	5			None		DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 200.8	Cadmium	0.07	µg/L	DNQ	0.02	0.1			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 200.8	Cadmium	0.05	µg/L	DNQ	0.02	0.1			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 110.2	Color	20	color units		3	3			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	2.00	2/11/07	12:05	EPA 110.2	Color	20	color units		3	3	20	0	None	RPD <25	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 110.2	Color	56	color units		6	6			None		DF=2
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 200.8	Copper	8.5	µg/L		0.3	0.5			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 200.8	Copper	9.1	µg/L		0.3	0.5			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	SM 9223	E. coli	2400	MPN/100 mL		1	1			None		AnalysisTime=08:07

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	SM 9223	E. coli	100	MPN/100 mL		1	1			None		AnalysisTime=07:43
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 130.2	Hardness as CaCO3	580	mg/L		15	20			None		DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 130.2	Hardness as CaCO3	600	mg/L		15	20			None		DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 200.8	Lead	0.17	µg/L	DNQ	0.1	0.25			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 200.8	Lead	<0.1	µg/L	ND	0.1	0.25			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 200.8	Nickel	7.7	µg/L		0.4	0.5			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 200.8	Nickel	8.3	µg/L		0.4	0.5			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 300.0	Nitrate as N	24	mg/L		0.06	0.5			None		DF=10
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 300.0	Nitrate as N	42	mg/L		0.006	0.05			Analyte concentration is in excess of the instrument calibration; considered estimated		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 354.1	Nitrite as N	0.97	mg/L		0.01	0.2			None		DF=5

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 354.1	Nitrite as N	0.54	mg/L		0.004	0.06			None		DF=2
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 351.3	Nitrogen, Total Kjeldahl	2.6	mg/L		0.07	0.1			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 351.3	Nitrogen, Total Kjeldahl	1.8	mg/L		0.07	0.1			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 365.2	OrthoPhosphate as P	0.71	mg/L		0.01	0.01			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 365.2	OrthoPhosphate as P	0.75	mg/L		0.01	0.01			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 365.2	Phosphate as P	1	mg/L		0.01	0.01			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 365.2	Phosphate as P	0.85	mg/L		0.01	0.01			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 200.8	Selenium	2	µg/L		0.9	1			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 200.8	Selenium	3	µg/L		0.9	1			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 160.1	Total Dissolved Solids	1600	mg/L		8	20			None		DF=2
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 160.1	Total Dissolved Solids	1500	mg/L		4	10			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 415.1	Total Organic Carbon	15	mg/L		0.3	0.5			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 415.1	Total Organic Carbon	14	mg/L		0.3	1			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 180.1	Turbidity	8.6	NTU		0.02	0.05			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 180.1	Turbidity	3.4	NTU		0.02	0.05			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	2/11/07	12:05	EPA 200.8	Zinc	11	µg/L		0.4	1			None		DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	1.00	3/1/07	12:20	EPA 200.8	Zinc	3	µg/L		0.4	1			None		DF=1
Silva Drain @ Meadow Dr	E	1.00	1.00	2/12/07	10:20	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Silva Drain @ Meadow Dr	E	1.00	1.00	2/28/07	16:55	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5			None		DF=1
Silva Drain @ Meadow Dr	E	1.00	1.00	2/12/07	10:20	EPA 110.2	Color	65	color units		15	20			None		DF=5
Silva Drain @ Meadow Dr	E	1.00	1.00	2/28/07	16:55	EPA 110.2	Color	70	color units		15	20			None		DF=5
Silva Drain @ Meadow Dr	E	1.00	1.00	2/12/07	10:20	SM 9223	E. coli	210	MPN/100 mL		1	1			None		AnalysisTime=08:00
Silva Drain @ Meadow Dr	E	1.00	1.00	2/28/07	16:55	SM 9223	E. coli	61	MPN/100 mL		1	1			None		AnalysisTime=07:50
Silva Drain @ Meadow Dr	E	1.00	1.00	2/12/07	10:20	EPA 160.1	Total Dissolved Solids	96	mg/L		8	20			None		DF=2
Silva Drain @ Meadow Dr	E	1.00	1.00	2/28/07	16:55	EPA 160.1	Total Dissolved Solids	110	mg/L		4	10			None		DF=1
Silva Drain @ Meadow	E	1.00	1.00	2/12/07	10:20	EPA 415.1	Total Organic Carbon	3.1	mg/L		0.3	0.5			None		DF=1

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dr																	
Silva Drain @ Meadow Dr	E	1.00	1.00	2/28/07	16:55	EPA 415.1	Total Organic Carbon	1.9	mg/L		0.3	0.5			None		DF=1
Silva Drain @ Meadow Dr	E	1.00	1.00	2/12/07	10:20	EPA 180.1	Turbidity	40	NTU		0.02	0.05			None		DF=1
Silva Drain @ Meadow Dr	E	1.00	1.00	2/28/07	16:55	EPA 180.1	Turbidity	30	NTU		0.02	0.05			None		DF=1

Table I-4. ESJWQC toxicity testing results for *Ceriodaphnia dubia*, *Pimephales promelas*, *Selenastrum capricornutum* and *Hyalella azteca*.

Samples were collected during the storm season 2006/2007. Re-samples (RS) were collected within 72 hrs of being notified that the original sample was toxic. Toxicity tests are initiated within 36 hours of sampling and re-tests (RT) are performed if lab controls do not meet method test criteria (see toxicity test comments). Data sorted by station name, species and sample date.

Station Name	Sample Date	Sample Time	Matrix	Sample Code	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Bear Creek @ Kibby Rd	2/12/2007	12:40	water	E	2/13/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Bear Creek @ Kibby Rd	3/1/2007	9:45	water	E	3/2/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	95	95	100	NSG	
Bear Creek @ Kibby Rd	3/7/2007	12:50	sediment	E	3/16/2007	<i>Hyalella azteca</i>	Survival (%)	92.5	98.75	107	NSG	
Bear Creek @ Kibby Rd	2/12/2007	12:40	water	E	2/13/2007	<i>Pimephales promelas</i>	Survival (%)	97.5	95	97.4	NSG	
Bear Creek @ Kibby Rd	3/1/2007	9:45	water	E	3/2/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Bear Creek @ Kibby Rd	2/12/2007	12:40	water	E	2/13/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	780500	1688000	216.3	NSG	
Bear Creek @ Kibby Rd	3/1/2007	9:45	water	E	3/2/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	1007000	1299750	129.071	NSG	
Black Rascal Creek @ Yosemite Rd	2/12/2007	13:10	water	E	2/13/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	3/7/2007	13:00	sediment	E	3/16/2007	<i>Hyalella azteca</i>	Survival (%)	92.5	88.75	96	NSG	

E = Environmental sample RS = Re-sample FD = Field Duplicate NSG = not statistically different from control and result is greater than 80% threshold SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample CV = coefficient of variation
TIE = Toxic Identification Evaluation

Station Name	Sample Date	Sample Time	Matrix	Sample Code	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Black Rascal Creek @ Yosemite Rd	2/12/2007	13:10	water	E	2/13/2007	<i>Pimephales promelas</i>	Survival (%)	97.5	100	102.6	NSG	
Black Rascal Creek @ Yosemite Rd	3/1/2007	10:35	water	E	3/2/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	2/12/2007	13:10	water	E	2/13/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	846250	1278250	151	NSG	
Black Rascal Creek @ Yosemite Rd	3/1/2007	10:35	water	E	3/2/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	1007000	1098000	109.037	NSG	
Deadman Creek @ Hwy 59	2/11/2007	14:20	water	E	2/12/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Deadman Creek @ Hwy 59	2/28/2007	13:15	water	E	3/1/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Hwy 59	3/7/2007	14:25	sediment	E	3/16/2007	<i>Hyalella azteca</i>	Survival (%)	92.5	88.75	96	NSG	
Deadman Creek @ Hwy 59	2/11/2007	14:20	water	E	2/12/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Hwy 59	2/28/2007	13:15	water	E	3/1/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Hwy 59	2/11/2007	14:20	water	E	2/12/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	908000	2491000	274.3	NSG	
Deadman Creek @ Hwy 59	2/28/2007	13:15	water	E	3/1/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	925500	1118750	120.881	NSG	
Deadman's Creek @ Gurr Rd	2/11/2007	15:45	water	E	2/12/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	

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Station Name	Sample Date	Sample Time	Matrix	Sample Code	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Deadman's Creek @ Gurr Rd	2/28/2007	15:26	water	E	3/1/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Deadman's Creek @ Gurr Rd	3/7/2007	14:05	sediment	E	3/16/2007	<i>Hyalella azteca</i>	Survival (%)	92.5	92.5	100	NSG	
Deadman's Creek @ Gurr Rd	2/11/2007	15:45	water	E	2/12/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman's Creek @ Gurr Rd	2/28/2007	15:26	water	E	3/1/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman's Creek @ Gurr Rd	2/11/2007	15:45	water	E	2/12/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	908000	2742750	302.1	NSG	
Deadman's Creek @ Gurr Rd	2/28/2007	15:26	water	E	3/1/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	925500	1200250	129.687	NSG	
Dry Creek @ Rd 18	2/11/2007	11:50	water	E	2/12/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Dry Creek @ Rd 18	2/11/2007	11:50	water	E	2/12/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Rd 18	2/11/2007	11:50	water	E	2/12/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	908000	1670000	183.9	NSG	
Dry Creek @ Wellsford Rd	2/11/2007	10:30	water	E	2/12/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Dry Creek @ Wellsford Rd	2/28/2007	9:50	water	E	3/1/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Wellsford Rd	3/7/2007	16:55	sediment	E	3/17/2007	<i>Hyalella azteca</i>	Survival (%)	95	98.75	104	NSG	
Dry Creek @ Wellsford Rd	2/11/2007	10:30	water	E	2/12/2007	<i>Pimephales promelas</i>	Survival (%)	97.5	97.5	100	NSG	

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TIE = Toxic Identification Evaluation

Station Name	Sample Date	Sample Time	Matrix	Sample Code	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Dry Creek @ Wellsford Rd	2/28/2007	9:50	water	E	3/1/2007	<i>Pimephales promelas</i>	Survival (%)	100	95	100	NSG	
Dry Creek @ Wellsford Rd	2/11/2007	10:30	water	E	2/12/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	977750	508000	51.9	SL	Re-testing of a newly collected sample (2/22/07) indicated that the toxicity was persistent. A TIE performed indicated that the toxicity was caused by non-polar organics and metals.
Dry Creek @ Wellsford Rd	2/22/2007	12:15	water	RS	2/23/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	1396000	220000	15.8	SL	Resample to test for toxicity persistence in sample collected on 2/11/07
Dry Creek @ Wellsford Rd	2/28/2007	9:50	water	E	3/1/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	925500	298750	32.2798	SL	Testing of a newly collected sample indicated that the toxicity was not persistent. A TIE performed on the original sample indicated that the toxicity was caused by non-polar organics.
Dry Creek @ Wellsford Rd	3/7/2007	16:55	water	RS	3/8/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	1007000	826000	93.6508	SG	As per EPA guidance (EPA 833-R-00-003 and EPA 821-R-02-013) this sample should not be considered toxic since the relative difference of 6.3% (between the Control and sample) was < the lower PMSD of 9.1%.; resample to test for toxicity persistence in sample collected on 2/28/07
Duck Slough @ Gurr Rd	2/12/2007	9:15	water	E	2/13/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Duck Slough @ Gurr Rd	2/28/2007	14:10	water	E	3/1/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	90	100	111.1	NSG	
Duck Slough @ Gurr Rd	3/7/2007	13:40	sediment	E	3/16/2007	<i>Hyalella azteca</i>	Survival (%)	92.5	90	97	NSG	

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Station Name	Sample Date	Sample Time	Matrix	Sample Code	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Duck Slough @ Gurr Rd	2/12/2007	9:15	water	E	2/13/2007	<i>Pimephales promelas</i>	Survival (%)	97.5	100	102.6	NSG	
Duck Slough @ Gurr Rd	2/28/2007	14:10	water	E	3/1/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Gurr Rd	2/12/2007	9:15	water	E	2/13/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	780500	2052500	263	NSG	
Duck Slough @ Gurr Rd	2/28/2007	14:10	water	E	3/1/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	918000	1045750	113.916	NSG	
Duck Slough @ Hwy 99	2/12/2007	11:35	water	E	2/13/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Hwy 99	2/28/2007	16:45	water	E	3/1/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	90	90	100	NSG	
Duck Slough @ Hwy 99	3/7/2007	15:05	sediment	E	3/16/2007	<i>Hyalella azteca</i>	Survival (%)	92.5	87.5	95	NSG	
Duck Slough @ Hwy 99	2/12/2007	11:35	water	E	2/13/2007	<i>Pimephales promelas</i>	Survival (%)	97.5	100	102.6	NSG	
Duck Slough @ Hwy 99	2/28/2007	16:45	water	E	3/1/2007	<i>Pimephales promelas</i>	Survival (%)	100	97.5	97.5	NSG	
Duck Slough @ Hwy 99	2/12/2007	11:35	water	E	2/13/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	780500	1877500	240.6	NSG	
Duck Slough @ Hwy 99	2/28/2007	16:45	water	E	3/1/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	918000	987000	107.516	NSG	
Highline Canal @ Hwy 99	2/11/2007	14:45	water	E	2/12/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	93.3	93.3	NSG	
Highline Canal @ Hwy 99	2/11/2007	14:45	water	E	2/12/2007	<i>Pimephales promelas</i>	Survival (%)	97.5	100	102.6	NSG	

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Station Name	Sample Date	Sample Time	Matrix	Sample Code	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Highline Canal @ Hwy 99	2/11/2007	14:45	water	E	2/12/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	977750	1061250	108.5	NSG	
Highline Canal @ Lombardy Ave	2/11/2007	16:15	water	E	2/12/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	90	90	NSG	
Highline Canal @ Lombardy Ave	2/28/2007	13:55	water	E	3/1/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	90	50	55.6	SL	Testing of a newly collected sample on 3/7/07 indicated that the toxicity was persistent.
Highline Canal @ Lombardy Ave	3/7/2007	15:55	water	RS	3/8/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	95	0	0	SL	Resample to test for toxicity persistence in sample collected on 2/28/07. A TIE performed on this sample indicated that the toxicity was transient (did not persist) in nature.
Highline Canal @ Lombardy Ave	3/7/2007	15:55	sediment	E	3/16/2007	<i>Hyalella azteca</i>	Survival (%)	92.5	90	97	NSG	
Highline Canal @ Lombardy Ave	2/11/2007	16:15	water	E	2/12/2007	<i>Pimephales promelas</i>	Survival (%)	97.5	97.5	100	NSG	
Highline Canal @ Lombardy Ave	2/28/2007	13:55	water	E	3/1/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Lombardy Ave	2/11/2007	16:15	water	E	2/12/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	977750	1560500	159.6	NSG	
Highline Canal @ Lombardy Ave	2/28/2007	13:55	water	E	3/1/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	918000	643000	70.0436	SL	Testing of a newly collected sample on 3/7/07 indicated that the toxicity was not persistent.
Highline Canal @ Lombardy Ave	3/7/2007	15:55	water	RS	3/8/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	1007000	1012000	114.739	NSG	Resample to test for toxicity persistence in sample from 2/28/07
Hilmar Drain @ Central Ave	2/11/2007	13:15	water	E	2/12/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	

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Station Name	Sample Date	Sample Time	Matrix	Sample Code	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Hilmar Drain @ Central Ave	3/1/2007	12:35	water	E	3/2/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	95	100	105.3	NSG	
Hilmar Drain @ Central Ave	3/7/2007	9:35	sediment	E	3/17/2007	<i>Hyalella azteca</i>	Survival (%)	95	97.5	103	NSG	
Hilmar Drain @ Central Ave	2/11/2007	13:15	water	E	2/12/2007	<i>Pimephales promelas</i>	Survival (%)	97.5	92.5	94.9	NSG	
Hilmar Drain @ Central Ave	3/1/2007	12:35	water	E	3/2/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Hilmar Drain @ Central Ave	2/11/2007	13:15	water	E	2/12/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	977750	2458500	251.4	NSG	
Hilmar Drain @ Central Ave	3/1/2007	12:35	water	E	3/2/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	1007000	1532500	152.185	NSG	
Jones Drain @ Oakdale Rd	2/12/2007	10:50	water	E	2/13/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Jones Drain @ Oakdale Rd	3/7/2007	11:10	sediment	E	3/17/2007	<i>Hyalella azteca</i>	Survival (%)	95	92.5	97	NSG	
Jones Drain @ Oakdale Rd	2/12/2007	10:50	water	E	2/13/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Jones Drain @ Oakdale Rd	3/1/2007	9:30	water	E	3/2/2007	<i>Pimephales promelas</i>	Survival (%)	100	92.5	100	NSG	
Jones Drain @ Oakdale Rd	2/12/2007	10:50	water	E	2/13/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	846250	1945500	229.9	NSG	
Jones Drain @ Oakdale Rd	3/1/2007	9:30	water	E	3/2/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	1007000	1305500	129.646	NSG	

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TIE = Toxic Identification Evaluation

Station Name	Sample Date	Sample Time	Matrix	Sample Code	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Merced River @ Santa Fe	2/12/2007	9:20	water	E	2/13/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	90	90	NSG	
Merced River @ Santa Fe	2/28/2007	15:45	water	E	3/1/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	90	100	111.1	NSG	
Merced River @ Santa Fe	2/12/2007	9:20	water	E	2/13/2007	<i>Pimephales promelas</i>	Survival (%)	100	87.5	87.5	NSG	
Merced River @ Santa Fe	2/28/2007	15:45	water	E	3/1/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe	2/12/2007	9:20	water	E	2/13/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	846250	1367500	161.6	NSG	
Merced River @ Santa Fe	2/28/2007	15:45	water	E	3/1/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	918000	1005000	109.477	NSG	
Mustang Creek @ East Ave	2/12/2007	11:40	water	E	2/13/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Mustang Creek @ East Ave	2/28/2007	12:40	water	E	3/1/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Mustang Creek @ East Ave	3/7/2007	10:35	sediment	E	3/17/2007	<i>Hyalella azteca</i>	Survival (%)	95	96.25	101	NSG	
Mustang Creek @ East Ave	2/12/2007	11:40	water	E	2/13/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Mustang Creek @ East Ave	2/28/2007	12:40	water	E	3/1/2007	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Mustang Creek @ East Ave	2/12/2007	11:40	water	E	2/13/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	846250	1694750	200.3	NSG	
Mustang Creek @ East Ave	2/28/2007	12:40	water	E	3/1/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	925500	1240000	133.982	NSG	

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Station Name	Sample Date	Sample Time	Matrix	Sample Code	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Prairie Flower Drain @ Crows Landing Rd	2/11/2007	12:05	water	E	2/12/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	90	90	NSG	
Prairie Flower Drain @ Crows Landing Rd	3/1/2007	12:20	water	E	3/2/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	95	100	105.3	NSG	
Prairie Flower Drain @ Crows Landing Rd	3/7/2007	9:05	sediment	E	3/17/2007	<i>Hyalella azteca</i>	Survival (%)	95	97.5	103	NSG	
Prairie Flower Drain @ Crows Landing Rd	2/11/2007	12:05	water	E	2/12/2007	<i>Pimephales promelas</i>	Survival (%)	97.5	100	102.6	NSG	
Prairie Flower Drain @ Crows Landing Rd	3/1/2007	12:20	water	E	3/2/2007	<i>Pimephales promelas</i>	Survival (%)	100	92.5	100	NSG	
Prairie Flower Drain @ Crows Landing Rd	2/11/2007	12:05	water	E	2/12/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	977750	2519250	257.7	NSG	
Prairie Flower Drain @ Crows Landing Rd	3/1/2007	12:20	water	E	3/2/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	1007000	999500	99.2552	NSG	
Silva Drain @ Meadow Dr	2/12/2007	10:20	water	E	2/13/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	

E = Environmental sample RS = Re-sample FD = Field Duplicate NSG = not statistically different from control and result is greater than 80% threshold SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample CV = coefficient of variation TIE = Toxic Identification Evaluation

Station Name	Sample Date	Sample Time	Matrix	Sample Code	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Silva Drain @ Meadow Dr	2/28/2007	16:55	water	E	3/1/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	90	95	105.6	NSG	
Silva Drain @ Meadow Dr	3/7/2007	11:45	sediment	E	3/17/2007	<i>Hyalella azteca</i>	Survival (%)	95	100	105	NSG	
Silva Drain @ Meadow Dr	2/12/2007	10:20	water	E	2/13/2007	<i>Pimephales promelas</i>	Survival (%)	100	97.5	97.5	NSG	
Silva Drain @ Meadow Dr	2/28/2007	16:55	water	E	3/1/2007	<i>Pimephales promelas</i>	Survival (%)	100	97.5	100	NSG	
Silva Drain @ Meadow Dr	2/12/2007	10:20	water	E	2/13/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	846250	1576000	186.2	NSG	
Silva Drain @ Meadow Dr	2/28/2007	16:55	water	E	3/1/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	918000	1131250	123.23	NSG	

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Table I-5. Calculated Loads.

Station Name	Sample Type Code	Sample Date	Sample Time	Analyte Name	Result	Qualifier Code	Unit	Discharge cfs	Instantaneous Loading Rate µg
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Ammonia as N	0.19		mg/L	4.77	25663.70
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Arsenic	14		µg/L	4.77	1891.01
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	BOD	7		mg/L	4.77	945504.63
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Boron	24		µg/L	4.77	3241.73
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Cadmium	0.07	DNQ	µg/L	4.77	9.46
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Copper	16		µg/L	4.77	2161.15
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Diuron	1		µg/L	4.77	135.07
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Lead	3.1		µg/L	4.77	418.72
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Nickel	16		µg/L	4.77	2161.15
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Nitrate as N	2		mg/L	4.77	270144.18
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Nitrite as N	0.048		mg/L	4.77	6483.46
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Nitrogen, Total Kjeldahl	2.1		mg/L	4.77	283651.39
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	OrthoPhosphate as P	0.26		mg/L	4.77	35118.74
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Phosphate as P	0.06		mg/L	4.77	8104.33
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Total Dissolved Solids	330		mg/L	4.77	44573789.70
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Total Organic Carbon	4.7		mg/L	4.77	634838.82
Deadman Creek (Dutchman) @ Gurr Rd	E	02/11/07	15:45	Zinc	34		µg/L	4.77	4592.45
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Arsenic	14		µg/L	0.87	344.90
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Boron	25		µg/L	0.87	615.89
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Cadmium	0.04	DNQ	µg/L	0.87	0.99
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Copper	9.7		µg/L	0.87	238.97
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Diuron	0.28	DNQ	µg/L	0.87	6.90
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Lead	1.8		µg/L	0.87	44.34
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Nickel	11		µg/L	0.87	270.99
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Nitrate as N	0.7		mg/L	0.87	17245.05
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Nitrite as N	0.02	DNQ	mg/L	0.87	492.72
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Nitrogen, Total Kjeldahl	1.1		mg/L	0.87	27099.37
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	OrthoPhosphate as P	0.11		mg/L	0.87	2709.94
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Phosphate as P	0.28		mg/L	0.87	6898.02
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Selenium	1		µg/L	0.87	24.64

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TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Date	Sample Time	Analyte Name	Result	Qualifier Code	Unit	Discharge cfs	Instantaneous Loading Rate µg
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Total Dissolved Solids	340		mg/L	0.87	8376168.60
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Total Organic Carbon	3		mg/L	0.87	73907.37
Deadman Creek (Dutchman) @ Gurr Rd	E	02/28/07	14:10	Zinc	20		µg/L	0.87	492.72
Deadman Creek @ Hwy 59	E	02/11/07	14:20	Total Dissolved Solids	320		mg/L	3.54	32077497.60
Deadman Creek @ Hwy 59	E	02/11/07	14:20	Total Organic Carbon	4.6		mg/L	3.54	461114.03
Deadman Creek @ Hwy 59	E	02/28/07	13:15	Diuron	0.44		µg/L	1.74	21.68
Deadman Creek @ Hwy 59	E	02/28/07	13:15	Total Dissolved Solids	340		mg/L	1.74	16752337.20
Deadman Creek @ Hwy 59	E	02/28/07	13:15	Total Organic Carbon	2.5		mg/L	1.74	123178.95
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Ammonia as N	0.12		mg/L	298.79	1015300.37
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Ammonia as N	0.12		mg/L	298.79	1015300.37
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Arsenic	7.3		µg/L	298.79	61764.11
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Arsenic	6.7		µg/L	298.79	56687.60
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	BOD	9		mg/L	298.79	76147527.87
Duck Slough @ Gurr Rd	E	02/12/07	9:15	BOD	9		mg/L	298.79	76147527.87
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Boron	16		µg/L	298.79	135373.38
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Boron	16		µg/L	298.79	135373.38
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Cadmium	0.2		µg/L	298.79	1692.17
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Cadmium	0.2		µg/L	298.79	1692.17
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Copper	47		µg/L	298.79	397659.31
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Copper	44		µg/L	298.79	372276.80
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Cyanazine	0.098	DNQ	µg/L	298.79	829.16
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Lead	13		µg/L	298.79	109990.87
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Lead	13		µg/L	298.79	109990.87
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Nickel	53		µg/L	298.79	448424.33
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Nickel	54		µg/L	298.79	456885.17
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Nitrate as N	0.66		mg/L	298.79	5584152.04
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Nitrate as N	0.65		mg/L	298.79	5499543.68
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Nitrite as N	0.009	DNQ	mg/L	298.79	74455.36
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Nitrite as N	0.008	DNQ	mg/L	298.79	69378.86
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Nitrogen, Total Kjeldahl	3.1		mg/L	298.79	26228592.93
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Nitrogen, Total Kjeldahl	3		mg/L	298.79	25382509.29
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	OrthoPhosphate as P	0.096		mg/L	298.79	812240.30
Duck Slough @ Gurr Rd	E	02/12/07	9:15	OrthoPhosphate as P	0.14		mg/L	298.79	1184517.10

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TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Date	Sample Time	Analyte Name	Result	Qualifier Code	Unit	Discharge cfs	Instantaneous Loading Rate µg
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Phosphate as P	1.2		mg/L	298.79	10153003.72
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Phosphate as P	1		mg/L	298.79	8460836.43
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Simazine	0.28	DNQ	µg/L	298.79	2369.03
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Simazine	0.25	DNQ	µg/L	298.79	2115.21
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Total Dissolved Solids	190		mg/L	298.79	1607558921.70
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Total Dissolved Solids	75		mg/L	298.79	634562732.25
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Total Organic Carbon	6.9		mg/L	298.79	58379771.37
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Total Organic Carbon	6.7		mg/L	298.79	56687604.08
Duck Slough @ Gurr Rd	E	02/12/07	9:15	Zinc	83		µg/L	298.79	702249.42
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	Zinc	76		µg/L	298.79	643023.57
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Arsenic	3.3		µg/L	321.45	30038.25
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Boron	9		µg/L	321.45	81922.50
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Cadmium	0.04	DNQ	µg/L	321.45	364.10
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Copper	11		µg/L	321.45	100127.50
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Lead	2.4		µg/L	321.45	21846.00
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Nickel	13		µg/L	321.45	118332.50
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Nitrate as N	0.52		mg/L	321.45	4733299.82
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Nitrite as N	0.005	DNQ	mg/L	321.45	45512.50
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Nitrogen, Total Kjeldahl	0.96		mg/L	321.45	8738399.66
Duck Slough @ Gurr Rd	E	02/28/07	15:20	OrthoPhosphate as P	0.081		mg/L	321.45	737302.47
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Phosphate as P	0.28		mg/L	321.45	2548699.90
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Selenium	1		µg/L	321.45	9102.50
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Total Dissolved Solids	130		mg/L	321.45	1183324954.50
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Total Organic Carbon	5.9		mg/L	321.45	53704747.94
Duck Slough @ Gurr Rd	E	02/28/07	15:20	Zinc	22		µg/L	321.45	200254.99
Highline Canal @ Hwy 99	E	02/11/07	14:45	Arsenic	1.4		µg/L	55.43	2197.46
Highline Canal @ Hwy 99	E	02/11/07	14:45	Boron	11		µg/L	55.43	17265.72
Highline Canal @ Hwy 99	E	02/11/07	14:45	Copper	3		µg/L	55.43	4708.83
Highline Canal @ Hwy 99	E	02/11/07	14:45	Diuron	25		µg/L	55.43	39240.28
Highline Canal @ Hwy 99	E	02/11/07	14:45	Lead	0.52		µg/L	55.43	816.20
Highline Canal @ Hwy 99	E	02/11/07	14:45	Nickel	1.4		µg/L	55.43	2197.46
Highline Canal @ Hwy 99	E	02/11/07	14:45	Nitrate as N	0.091		mg/L	55.43	142834.63
Highline Canal @ Hwy 99	E	02/11/07	14:45	Nitrite as N	0.004	DNQ	mg/L	55.43	5493.64

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Station Name	Sample Type Code	Sample Date	Sample Time	Analyte Name	Result	Qualifier Code	Unit	Discharge cfs	Instantaneous Loading Rate µg
Highline Canal @ Hwy 99	E	02/11/07	14:45	Nitrogen, Total Kjeldahl	0.26		mg/L	55.43	408098.94
Highline Canal @ Hwy 99	E	02/11/07	14:45	Phosphate as P	0.054		mg/L	55.43	84759.01
Highline Canal @ Hwy 99	E	02/11/07	14:45	Simazine	1.3		µg/L	55.43	2040.49
Highline Canal @ Hwy 99	E	02/11/07	14:45	Total Organic Carbon	1.9		mg/L	55.43	2982261.49
Highline Canal @ Hwy 99	E	02/11/07	14:45	Zinc	24		µg/L	55.43	37670.67
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Arsenic	0.5		µg/L	68.25	966.32
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Boron	7		µg/L	68.25	13528.45
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Copper	2.5		µg/L	68.25	4831.59
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Diuron	1		µg/L	68.25	1932.64
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Lead	0.45		µg/L	68.25	869.69
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Nickel	1.2		µg/L	68.25	2319.16
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Nitrate as N	0.062		mg/L	68.25	119823.39
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Nitrogen, Total Kjeldahl	0.11		mg/L	68.25	212589.88
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	OrthoPhosphate as P	0.011		mg/L	68.25	21258.99
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Phosphate as P	0.06		mg/L	68.25	115958.12
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Simazine	0.16	DNQ	µg/L	68.25	309.22
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Total Dissolved Solids	24		mg/L	68.25	46383246.00
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Total Organic Carbon	1.9		mg/L	68.25	3672006.98
Highline Canal @ Lombardy Rd	E	02/11/07	16:15	Zinc	6		µg/L	68.25	11595.81
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Ammonia as N	13		mg/L	22.5	8282722.50
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Arsenic	2.3		µg/L	22.5	1465.40
Hilmar Drain @ Central Ave	E	02/11/07	13:15	BOD	58		mg/L	22.5	36953685.00
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Boron	49		µg/L	22.5	31219.49
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Cadmium	0.08	DNQ	µg/L	22.5	50.97
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Copper	84		µg/L	22.5	53519.13
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Lead	0.69		µg/L	22.5	439.62
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Nickel	3.4		µg/L	22.5	2166.25
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Nitrate as N	2.9		mg/L	22.5	1847684.25
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Nitrite as N	0.34		mg/L	22.5	216625.05
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Nitrogen, Total Kjeldahl	21		mg/L	22.5	13379782.50
Hilmar Drain @ Central Ave	E	02/11/07	13:15	OrthoPhosphate as P	1.5		mg/L	22.5	955698.75
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Phosphate as P	3.1		mg/L	22.5	1975110.75
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Total Dissolved Solids	260		mg/L	22.5	165654450.00

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Station Name	Sample Type Code	Sample Date	Sample Time	Analyte Name	Result	Qualifier Code	Unit	Discharge cfs	Instantaneous Loading Rate µg
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Total Organic Carbon	49		mg/L	22.5	31219492.50
Hilmar Drain @ Central Ave	E	02/11/07	13:15	Zinc	55		µg/L	22.5	35042.29
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Ammonia as N	4.7		mg/L	0.08	10647.19
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Arsenic	2.7		µg/L	0.08	6.12
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	BOD	9		mg/L	0.08	20388.24
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Boron	19		µg/L	0.08	43.04
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Cadmium	0.1		µg/L	0.08	0.23
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Chlorpyrifos	0.01	DNQ	µg/L	0.08	0.02
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Copper	21		µg/L	0.08	47.57
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Lead	2.2		µg/L	0.08	4.98
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Nickel	8.2		µg/L	0.08	18.58
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Nitrate as N	0.55		mg/L	0.08	1245.95
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Nitrite as N	0.018	DNQ	mg/L	0.08	40.78
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Nitrogen, Total Kjeldahl	7.7		mg/L	0.08	17443.27
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	OrthoPhosphate as P	1.2		mg/L	0.08	2718.43
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Phosphate as P	1.7		mg/L	0.08	3851.11
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Total Dissolved Solids	110		mg/L	0.08	249189.60
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Total Organic Carbon	5		mg/L	0.08	11326.80
Jones Drain @ Oakdale Rd	E	02/12/07	10:50	Zinc	30		µg/L	0.08	67.96

E = Environmental sample RS = Re-sample FD = Field Duplicate NSG = not statistically different from control and result is greater than 80% threshold SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample CV = coefficient of variation TIE = Toxic Identification Evaluation

East San Joaquin Water Quality Coalition

SEMI-ANNUAL MONITORING REPORT STORM 2007

(Appendix III)

Lab and Field QC Results

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Table III-1. Field QC Results for Organics

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 547M	Glyphosate	<4	µg/L	ND	4	5			None	<RL or < (sample ÷ 5)	The samples were re-analyzed on an anion exchange column and the data from that analysis is reported
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4			None	<RL or < (sample ÷ 5)	The samples were received at 1.9°C. The EPA recommends 2-6°C. Reanalysis had acceptable QC and confirmed original results. Sample 535XDSAGR was not re-extracted
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 619	Tributylphosphate (Surrogate)	137	%		NA	NA	100		None	PR 62-145	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 619	Triphenyl phosphate (Surrogate)	83.8	%		NA	NA	100		None	PR 54-144	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05			None	<RL or < (sample ÷ 5)	

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference
 FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	DDT (p,p')	0.0091	µg/L	DNQ	0.007	0.01			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	68.2	%		NA	NA	100		None	PR 41-117	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	68.2	%		NA	NA	100		None	PR 16-146	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	80.3	%		NA	NA	100		None	PR 41-117	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	80.3	%		NA	NA	100		None	PR 15-98	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1			Surrogate recovery is outside of control limits	<RL or < (sample ÷ 5)	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02			Surrogate recovery is outside of control limits	<RL or < (sample ÷ 5)	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02			Surrogate recovery is outside of control limits	<RL or < (sample ÷ 5)	Batch accepted based on recovery of other surr. in range for all

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference
FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
															samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1			Surrogate recovery is outside of control limits	<RL or < (sample ÷ 5)	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1			Surrogate recovery is outside of control limits	<RL or < (sample ÷ 5)	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1			Surrogate recovery is outside of control limits	<RL or < (sample ÷ 5)	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1			Surrogate recovery is outside of control limits	<RL or < (sample ÷ 5)	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5			Surrogate recovery is outside of control limits	<RL or < (sample ÷ 5)	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1			Surrogate recovery is outside of control limits	<RL or < (sample ÷ 5)	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1			Surrogate recovery is outside of control limits	<RL or < (sample ÷ 5)	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2			Surrogate recovery is outside of control limits	<RL or < (sample ÷ 5)	Batch accepted based on recovery of other surr. in range for all samples

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference
FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5			Surrogate recovery is outside of control limits	<RL or < (sample ÷ 5)	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Tributylphosphate (Surrogate)	105	%		NA	NA	100		None	PR 60-150	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Tributylphosphate (Surrogate)	167	%		NA	NA	100		Surrogate recovery is outside of control limits	PR 60-150	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Triphenyl phosphate (Surrogate)	101	%		NA	NA	100		None	PR 56-129	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8141A	Triphenyl phosphate (Surrogate)	107	%		NA	NA	100		None	PR 56-129	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4			None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8321A	Tributylphosphate (Surrogate)	105	%		NA	NA	100		None	PR 60-150	
Duck Slough @ Gurr Rd	FB	02/12/07	9:15	EPA 8321A	Triphenyl phosphate (Surrogate)	87.7	%		NA	NA	100		None	PR 56-129	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<4	FD RPD NA	None		The samples were re-analyzed on an anion exchange column and the data from that analysis is reported
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4	<0.25	FD RPD NA	None		The samples were received at 1.9°C. The EPA recommends 2-6°C. Reanalysis had acceptable QC and confirmed original results. Sample 535XDSAGR was not re-extracted
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5	<0.067	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 619	Cyanazine	0.098	µg/L	DNQ	0.086	0.5	<0.086	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 619	Simazine	0.28	µg/L	DNQ	0.08	0.5	0.28	FD RPD11	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 619	Tributylphosphate (Surrogate)	74.6	%		NA	NA	100		None	PR 62-145	
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 619	Triphenyl phosphate (Surrogate)	75.7	%		NA	NA	100		None	PR 54-144	
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPDNA	None		

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	48	%		NA	NA	100		None	PR 16-146	
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	51.8	%		NA	NA	100		None	PR 41-117	
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	79.2	%		NA	NA	100		None	PR 15-98	
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	77.2	%		NA	NA	100		None	PR 41-117	
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1	<0.0215	FD RPDNA	None		Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02	<0.00259	FD RPDNA	None		Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02	<0.00353	FD RPDNA	None		Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPDNA	None		Batch accepted based on recovery of other surr. in range for all

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference
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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
															samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPDNA	None		Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPDNA	None		Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2	<0.1	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1	<0.038	FD RPDNA	None		Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPDNA	None		Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1	<0.0755	FD RPDNA	None		Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1	<0.0722	FD RPDNA	None		Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2	<0.0566	FD RPDNA	None		Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPDNA	None		Batch accepted based on recovery of other surr. in range for all samples

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference
FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Tributylphosphate (Surrogate)	116	%		NA	NA	100		None	PR 60-150	
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Tributylphosphate (Surrogate)	96.6	%		NA	NA	100		None	PR 60-150	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Triphenyl phosphate (Surrogate)	102	%		NA	NA	100		None	PR 56-129	Batch accepted based on recovery of other surr. in range for all samples
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8141A	Triphenyl phosphate (Surrogate)	107	%		NA	NA	100		None	PR 56-129	
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPDNA	None		
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8321A	Tributylphosphate (Surrogate)	108	%		NA	NA	100		None	PR 60-150	
Duck Slough @ Gurr Rd	FD	02/12/07	9:15	EPA 8321A	Triphenyl phosphate (Surrogate)	91	%		NA	NA	100		None	PR 56-129	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5			None	<RL or <(sample ÷ 5)	The samples were received at 0.5°C. EPA recommends 2-6°C

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4			None	<RL or < (sample ÷ 5)	The samples were received at 0.5°C. EPA recommends 2-6°C
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 619	Tributylphosphate (Surrogate)	90.2	%		NA	NA	100		None	PR 62-145	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 619	Triphenyl phosphate (Surrogate)	97.8	%		NA	NA	100		None	PR 54-144	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale	FB	03/01/07	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.2	%		NA	NA	100		None	PR 41-117	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Rd															
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.2	%		NA	NA	100		None	PR 16-146	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	93.4	%		NA	NA	100		None	PR 15-98	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	93.4	%		NA	NA	100		None	PR 41-117	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1			None	<RL or < (sample ÷ 5)	

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Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Tributylphosphate (Surrogate)	90.2	%		NA	NA	100		None	PR 60-150	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	97.8	%		NA	NA	100		None	PR 56-129	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07			None	<RL or < (sample ÷ 5)	

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Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4			None	<RL or < (sample ÷ 5)	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8321A	Tributylphosphate (Surrogate)	84.6	%		NA	NA	100		None	PR 60-150	
Jones Drain @ Oakdale Rd	FB	03/01/07	9:30	EPA 8321A	Triphenyl phosphate (Surrogate)	87.6	%		NA	NA	100		None	PR 56-129	
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<4	FD RPDNA	None		The samples were received at 0.5°C. EPA recommends 2-6°C
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 549.2M	Paraquat dichloride	<0.25	µg/L	ND	0.25	0.4	<0.25	FD RPDNA	None		The samples were received at 0.5°C. EPA recommends 2-6°C
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 619	Atrazine	<0.067	µg/L	ND	0.067	0.5	<0.067	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 619	Cyanazine	<0.086	µg/L	ND	0.086	0.5	<0.086	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.08	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 619	Tributylphosphate (Surrogate)	92.1	%		NA	NA	100		None	PR 62-145	

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Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 619	Triphenyl phosphate (Surrogate)	98.3	%		NA	NA	100		None	PR 54-144	
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.8	%		NA	NA	100		None	PR 41-117	
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.8	%		NA	NA	100		None	PR 16-146	
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPDNA	None		

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Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	92.7	%		NA	NA	100		None	PR 41-117	
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	92.7	%		NA	NA	100		None	PR 15-98	
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Azinphos methyl	<0.0215	µg/L	ND	0.0215	0.1	<0.0215	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Chlorpyrifos	<0.00259	µg/L	ND	0.0026	0.02	<0.00259	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Diazinon	<0.00353	µg/L	ND	0.0035	0.02	<0.00353	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Methamidophos	<0.1	µg/L	ND	0.1	0.2	<0.1	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.1	<0.038	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Parathion, Methyl	<0.0755	µg/L	ND	0.0755	0.1	<0.0755	FD RPDNA	None		

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Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Phorate	<0.0722	µg/L	ND	0.0722	0.1	<0.0722	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Phosmet	<0.0566	µg/L	ND	0.0566	0.2	<0.0566	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Tributylphosphate (Surrogate)	92.1	%		NA	NA	100		None	PR 60-150	
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	98.3	%		NA	NA	100		None	PR 56-129	
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPDNA	None		
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8321A	Tributylphosphate (Surrogate)	82.6	%		NA	NA	100		None	PR 60-150	

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Station Name	Sample Type	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Jones Drain @ Oakdale Rd	FD	03/01/07	9:30	EPA 8321A	Triphenyl phosphate (Surrogate)	90.3	%		NA	NA	100		None	PR 56-129	

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference
FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Table III-2. Lab Quality Assurance for Organics

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8321A	Aldicarb	0.796	µg/L		0.2	0.4	1.07	PR 74.4		None	PR 31-133
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8321A	Aldicarb	0.886	µg/L		0.2	0.4	1.07	PR 82.8	RPD 10.7	None	PR 31-133, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 619	Atrazine	19.1	µg/L		0.067	0.5	25	PR 76.4		None	PR 39-156
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 619	Atrazine	20.2	µg/L		0.067	0.5	25	PR 80.8	RPD 5.6	None	PR 39-156, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Azinphos methyl	1.34	µg/L		0.0215	0.1	1	PR 134		None	PR 36-189
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Azinphos methyl	1.25	µg/L		0.0215	0.1	1	PR 125	RPD 6.9	Surrogate recovery is outside of control limits	PR 36-189, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Bifenthrin	0.36	µg/L		0.006	0.02	0.4	PR 90.0		None	PR 52-117
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Bifenthrin	0.324	µg/L		0.006	0.02	0.4	PR 81.0	RPD 10.5	None	PR 52-117, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8321A	Carbaryl	0.186	µg/L		0.05	0.07	0.267	PR 69.7		None	PR 44-133
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8321A	Carbaryl	0.213	µg/L		0.05	0.07	0.267	PR 79.8	RPD 13.5	None	PR 44-133, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8321A	Carbofuran	0.253	µg/L		0.05	0.07	0.267	PR 94.8		None	PR 36-165
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8321A	Carbofuran	0.26	µg/L		0.05	0.07	0.267	PR 97.4	RPD 2.7	None	PR 36-165, RPD <25

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Chlorpyrifos	1.36	µg/L		0.00259	0.02	1	PR 136		Matrix spike recovery not within control limits	PR 61-125
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Chlorpyrifos	1.2	µg/L		0.00259	0.02	1	PR 120	RPD 12.5	Surrogate recovery is outside of control limits	PR 61-125, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 619	Cyanazine	19.6	µg/L		0.086	0.5	25	PR 78.4		None	PR 22-172
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 619	Cyanazine	21	µg/L		0.086	0.5	25	PR 84.0	RPD 6.9	None	PR 22-172, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Cyfluthrin, total	0.559	µg/L		0.003	0.03	0.4	PR 140		Matrix spike recovery not within control limits; RPD exceeds laboratory control limit	PR 53-125
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Cyfluthrin, total	0.421	µg/L		0.003	0.03	0.4	PR 105	RPD 28.2	RPD exceeds laboratory control limit	PR 53-125, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Cyhalothrin, lambda, total	0.35	µg/L		0.001	0.02	0.4	PR 87.5		None	PR 62-104
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Cyhalothrin, lambda, total	0.329	µg/L		0.001	0.02	0.4	PR 82.3	RPD 6.2	None	PR 62-104, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Cypermethrin, total	1.77	µg/L		0.004	0.05	2	PR 88.5		None	PR 55-107
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Cypermethrin, total	1.61	µg/L		0.004	0.05	2	PR 80.5	RPD 9.5	None	PR 55-107, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	DDD (p,p')	0.539	µg/L		0.003	0.01	0.6	PR 89.8		None	PR 38-135

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	DDD (p,p')	0.559	µg/L		0.003	0.01	0.6	PR 93.2	RPD 3.6	None	PR 38-135, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	DDE (p,p')	0.503	µg/L		0.004	0.01	0.6	PR 83.8		None	PR 21-134
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	DDE (p,p')	0.519	µg/L		0.004	0.01	0.6	PR 86.5	RPD 3.1	None	PR 21-134, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	DDT (p,p')	0.352	µg/L		0.007	0.01	0.6	PR 58.7		None	PR 18-145
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	DDT (p,p')	0.39	µg/L		0.007	0.01	0.6	PR 65.0	RPD 10.2	None	PR 18-145, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	72.5	%		NA	NA	100			None	PR 16-146
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	82.2	%		NA	NA	100			None	PR 16-146
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	75.3	%		NA	NA	100			None	PR 16-146
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Decachlorobiphenyl (Surrogate)	77	%		NA	NA	100			None	PR 16-146
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Diazinon	1.29	µg/L		0.00353	0.02	1	PR 129		None	PR 57-130
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Diazinon	1.12	µg/L		0.00353	0.02	1	PR 112	RPD 14.1	Surrogate recovery is outside of control limits	PR 57-130, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Dicofol	0.381	µg/L		0.01	0.1	0.4	PR 95.3		None	PR 40-135
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Dicofol	0.364	µg/L		0.01	0.1	0.4	PR 91.0	RPD 4.6	None	PR 40-135, RPD <25

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Dieldrin	0.529	µg/L		0.005	0.01	0.6	PR 88.2		None	PR 48-121
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Dieldrin	0.546	µg/L		0.005	0.01	0.6	PR 91.0	RPD 3.2	None	PR 48-121, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Dimethoate	1.59	µg/L		0.08	0.1	1	PR 159		None	PR 68-202
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Dimethoate	1.8	µg/L		0.08	0.1	1	PR 180	RPD 12.4	Surrogate recovery is outside of control limits	PR 68-202, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Disulfoton	0.884	µg/L		0.02	0.1	1	PR 88.4		None	PR 47-117
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Disulfoton	0.93	µg/L		0.02	0.1	1	PR 93.0	RPD 5.1	Surrogate recovery is outside of control limits	PR 47-117, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8321A	Diuron	1.17	µg/L		0.2	0.4	1.07	PR 109		None	PR 52-136
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8321A	Diuron	1	µg/L		0.2	0.4	1.07	PR 93.5	RPD 15.7	None	PR 52-136, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Endrin	0.482	µg/L		0.007	0.01	0.6	PR 80.3		None	PR 24-143
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Endrin	0.487	µg/L		0.007	0.01	0.6	PR 81.2	RPD 1.0	None	PR 24-143, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.345	µg/L		0.002	0.02	0.4	PR 86.2		None	PR 52-117
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.319	µg/L		0.002	0.02	0.4	PR 79.8	RPD 7.8	None	PR 52-117, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 547M	Glyphosate	51.59	µg/L		4	5	50	PR 103		None	PR 76-127

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 547M	Glyphosate	51.59	µg/L		4	5	50	PR 103		None	PR 76-127
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 547M	Glyphosate	51.4	µg/L		4	5	50	PR 103	RPD 0.36	None	PR 76-127, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 547M	Glyphosate	51.4	µg/L		4	5	50	PR 103	RPD 0.36	None	PR 76-127, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8321A	Linuron	0.719	µg/L		0.2	0.4	1.07	PR 67.2		None	PR 49-144
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8321A	Linuron	0.659	µg/L		0.2	0.4	1.07	PR 61.6	RPD 8.7	None	PR 49-144, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Malathion	1.13	µg/L		0.05	0.1	1	PR 113		None	PR 47-125
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Malathion	1.22	µg/L		0.05	0.1	1	PR 122	RPD 7.7	Surrogate recovery is outside of control limits	PR 47-125, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Methamidophos	0.253	µg/L		0.1	0.2	0.5	PR 50.6		None	PR 40-135
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Methamidophos	0.232	µg/L		0.1	0.2	0.5	PR 46.4	RPD 8.7	None	PR 40-135, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Methidathion	10.7	µg/L		0.038	0.1	10	PR 107		None	PR 50-150
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Methidathion	11.8	µg/L		0.038	0.1	10	PR 118	RPD 9.8	Surrogate recovery is outside of control limits	PR 50-150, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8321A	Methiocarb	1.06	µg/L		0.2	0.4	1.07	PR 99.1		None	PR 35-142
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8321A	Methiocarb	1.09	µg/L		0.2	0.4	1.07	PR 102	RPD 2.8	None	PR 35-142, RPD <25

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8321A	Methomyl	0.245	µg/L		0.05	0.07	0.267	PR 91.8		None	PR 23-152
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8321A	Methomyl	0.214	µg/L		0.05	0.07	0.267	PR 80.1	RPD 13.5	None	PR 23-152, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Methoxychlor	0.413	µg/L		0.008	0.01	0.6	PR 68.8		None	PR 30-163
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Methoxychlor	0.43	µg/L		0.008	0.01	0.6	PR 71.7	RPD 4.0	None	PR 30-163, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Molinate	5.18	µg/L		0.13	0.5	5	PR 104		None	PR 50-150
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Molinate	5.45	µg/L		0.13	0.5	5	PR 109	RPD 5.1	Surrogate recovery is outside of control limits	PR 50-150, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8321A	Oxamyl	0.58	µg/L		0.2	0.4	1.07	PR 54.2		None	PR 10-117
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8321A	Oxamyl	0.629	µg/L		0.2	0.4	1.07	PR 58.8	RPD 8.1	None	PR 10-117, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 549.2M	Paraquat dichloride	-0.25	µg/L	ND	0.25	0.4	2	PR 0		Spike analyte recovery is outside stated control limits	PR 50-126
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 549.2M	Paraquat dichloride	-0.25	µg/L	ND	0.25	0.4	2	PR 0	RPD 0	Spike analyte recovery is outside stated control limits	PR 50-126, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/28/07	15:20	EPA 549.2M	Paraquat dichloride	1.419	µg/L		0.25	0.4	2	PR 71		None	PR 50-126

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/28/07	15:20	EPA 549.2M	Paraquat dichloride	1.425	µg/L		0.25	0.4	2	PR 71.3	RPD 0.45	None	PR 50-126, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Parathion, Methyl	1.62	µg/L		0.0755	0.1	1	PR 162		None	PR 55-164
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Parathion, Methyl	1.4	µg/L		0.0755	0.1	1	PR 140	RPD 14.6	Surrogate recovery is outside of control limits	PR 55-164, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Permethrin, total	0.356	µg/L		0.009	0.02	0.4	PR 89.0		None	PR 24-166
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Permethrin, total	0.346	µg/L		0.009	0.02	0.4	PR 86.5	RPD 2.8	None	PR 24-166, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Phorate	1.2	µg/L		0.0722	0.1	1	PR 120		Matrix spike recovery not within control limits	PR 44-117
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Phorate	1.08	µg/L		0.0722	0.1	1	PR 108	RPD 10.5	Surrogate recovery is outside of control limits	PR 44-117, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Phosmet	5.35	µg/L		0.0566	0.2	5	PR 107		None	PR 50-150
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Phosmet	5.93	µg/L		0.0566	0.2	5	PR 119	RPD 10.3	Surrogate recovery is outside of control limits	PR 50-150, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 619	Simazine	7.96	µg/L		0.08	0.5	25.25	PR 30.8		None	PR 21-179
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 619	Simazine	9.38	µg/L		0.08	0.5	25.25	PR 36.5	RPD 16.4	None	PR 21-179, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	78	%		NA	NA	100			None	PR 38-113

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	95.8	%		NA	NA	100			None	PR 38-113
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	79.7	%		NA	NA	100			None	PR 38-113
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	92	%		NA	NA	100			None	PR 38-113
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Thiobencarb	5.49	µg/L		0.06	0.5	5	PR 110		None	PR 50-150
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Thiobencarb	5.83	µg/L		0.06	0.5	5	PR 117	RPD 6.0	Surrogate recovery is outside of control limits	PR 50-150, RPD <25
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 619	Tributylphosphate (Surrogate)	81	%		NA	NA	100			None	PR 62-145
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 619	Tributylphosphate (Surrogate)	87.5	%		NA	NA	100			None	PR 62-145
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Tributylphosphate (Surrogate)	130	%		NA	NA	100			None	PR 60-150
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Tributylphosphate (Surrogate)	115	%		NA	NA	100			None	PR 60-150
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Tributylphosphate (Surrogate)	118	%		NA	NA	100			None	PR 60-150
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Tributylphosphate (Surrogate)	125	%		NA	NA	100			None	PR 60-150
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8321A	Tributylphosphate (Surrogate)	106	%		NA	NA	100			None	PR 36-140
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8321A	Tributylphosphate (Surrogate)	103	%		NA	NA	100			None	PR 36-140

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Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 619	Triphenyl phosphate (Surrogate)	80.5	%		NA	NA	100			None	PR 54-144
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 619	Triphenyl phosphate (Surrogate)	84	%		NA	NA	100			None	PR 54-144
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Triphenyl phosphate (Surrogate)	125	%		NA	NA	100			None	PR 56-129
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8141A	Triphenyl phosphate (Surrogate)	127	%		NA	NA	100			None	PR 56-129
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Triphenyl phosphate (Surrogate)	139	%		NA	NA	100			Surrogate recovery is outside of control limits	PR 56-129
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8141A	Triphenyl phosphate (Surrogate)	113	%		NA	NA	100			None	PR 56-129
Duck Slough @ Gurr Rd	MS	1.00	1.00	02/12/07	9:15	EPA 8321A	Triphenyl phosphate (Surrogate)	89.5	%		NA	NA	100			None	PR 56-129
Duck Slough @ Gurr Rd	MS	1.00	2.00	02/12/07	9:15	EPA 8321A	Triphenyl phosphate (Surrogate)	99.2	%		NA	NA	100			None	PR 56-129
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8321A	Aldicarb	0.688	µg/L		0.2	0.4	1.07	PR 64.3		None	PR 31-133
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8321A	Aldicarb	0.787	µg/L		0.2	0.4	1.07	PR 73.6	RPD 13.4	None	PR 31-133, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 619	Atrazine	1.12	µg/L		0.067	0.5	1	PR 112		None	PR 39-156
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 619	Atrazine	1.1	µg/L		0.067	0.5	1	PR 110	RPD 1.8	None	PR 39-156, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Azinphos methyl	0.872	µg/L		0.0215	0.1	1	PR 87.2		None	PR 36-189

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Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Azinphos methyl	0.888	µg/L		0.0215	0.1	1	PR 88.8	RPD 1.8	None	PR 36-189, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Bifenthrin	0.5	µg/L		0.006	0.02	0.6	PR 83.3		None	PR 52-117
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Bifenthrin	0.443	µg/L		0.006	0.02	0.6	PR 73.8	RPD 12.1	None	PR 52-117, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8321A	Carbaryl	0.217	µg/L		0.05	0.07	0.267	PR 81.3		None	PR 44-133
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8321A	Carbaryl	0.179	µg/L		0.05	0.07	0.267	PR 67.0	RPD 19.2	None	PR 44-133, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8321A	Carbofuran	0.197	µg/L		0.05	0.07	0.267	PR 73.8		None	PR 36-165
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8321A	Carbofuran	0.221	µg/L		0.05	0.07	0.267	PR 82.8	RPD 11.5	None	PR 36-165, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Chlorpyrifos	1.02	µg/L		0.00259	0.02	1	PR 102		None	PR 61-125
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Chlorpyrifos	1.01	µg/L		0.00259	0.02	1	PR 101	RPD 0.99	None	PR 61-125, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 619	Cyanazine	1.25	µg/L		0.086	0.5	1	PR 125		None	PR 22-172
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 619	Cyanazine	1.19	µg/L		0.086	0.5	1	PR 119	RPD 4.9	None	PR 22-172, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Cyfluthrin, total	0.53	µg/L		0.003	0.03	0.6	PR 88.3		None	PR 53-125

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Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Cyfluthrin, total	0.471	µg/L		0.003	0.03	0.6	PR 78.5	RPD 11.8	None	PR 53-125, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Cyhalothrin, lambda, total	0.539	µg/L		0.001	0.02	0.6	PR 89.8		None	PR 62-104
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Cyhalothrin, lambda, total	0.472	µg/L		0.001	0.02	0.6	PR 78.7	RPD 13.3	None	PR 62-104, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Cypermethrin, total	2.46	µg/L		0.004	0.05	3	PR 82.0		None	PR 55-107
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Cypermethrin, total	2.2	µg/L		0.004	0.05	3	PR 73.3	RPD 11.2	None	PR 55-107, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	DDD (p,p')	0.475	µg/L		0.003	0.01	0.6	PR 79.2		None	PR 38-135
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	DDD (p,p')	0.524	µg/L		0.003	0.01	0.6	PR 87.3	RPD 9.8	None	PR 38-135, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	DDE (p,p')	0.523	µg/L		0.004	0.01	0.6	PR 87.2		None	PR 21-134
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	DDE (p,p')	0.557	µg/L		0.004	0.01	0.6	PR 92.8	RPD 6.3	None	PR 21-134, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	DDT (p,p')	0.516	µg/L		0.007	0.01	0.6	PR 86.0		None	PR 18-145
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	DDT (p,p')	0.537	µg/L		0.007	0.01	0.6	PR 89.5	RPD 4.0	None	PR 18-145, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	76.8	%		NA	NA	100			None	PR 16-146

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Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	90.7	%		NA	NA	100			None	PR 16-146
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	77.2	%		NA	NA	100			None	PR 16-146
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	83.7	%		NA	NA	100			None	PR 16-146
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Diazinon	1.03	µg/L		0.00353	0.02	1	PR 103		None	PR 57-130
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Diazinon	1.03	µg/L		0.00353	0.02	1	PR 103	RPD 0.0	None	PR 57-130, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Dicofol	0.34	µg/L		0.01	0.1	0.4	PR 85.0		None	PR 40-135
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Dicofol	0.341	µg/L		0.01	0.1	0.4	PR 85.3	RPD 0.29	None	PR 40-135, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Dieldrin	0.534	µg/L		0.005	0.01	0.6	PR 89.0		None	PR 48-121
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Dieldrin	0.55	µg/L		0.005	0.01	0.6	PR 91.7	RPD 3.0	None	PR 48-121, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Dimethoate	1.2	µg/L		0.08	0.1	1	PR 120		None	PR 68-202
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Dimethoate	1.16	µg/L		0.08	0.1	1	PR 116	RPD 3.4	None	PR 68-202, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Disulfoton	0.831	µg/L		0.02	0.1	1	PR 83.1		None	PR 47-117

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Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Disulfoton	0.821	µg/L		0.02	0.1	1	PR 82.1	RPD 1.2	None	PR 47-117, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8321A	Diuron	1	µg/L		0.2	0.4	1.07	PR 93.5		None	PR 52-136
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8321A	Diuron	0.847	µg/L		0.2	0.4	1.07	PR 79.2	RPD 16.6	None	PR 52-136, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Endrin	0.502	µg/L		0.007	0.01	0.6	PR 83.7		None	PR 24-143
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Endrin	0.51	µg/L		0.007	0.01	0.6	PR 85.0	RPD 1.6	None	PR 24-143, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.5	µg/L		0.002	0.02	0.6	PR 83.3		None	PR 52-117
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.451	µg/L		0.002	0.02	0.6	PR 75.2	RPD 10.3	None	PR 52-117, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 547M	Glyphosate	57.87	µg/L		4	5	50	PR 116		None	PR 76-127
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 547M	Glyphosate	58.08	µg/L		4	5	50	PR 116	RPD 0.36	None	PR 76-127, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8321A	Linuron	0.949	µg/L		0.2	0.4	1.07	PR 88.7		None	PR 49-144
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8321A	Linuron	0.884	µg/L		0.2	0.4	1.07	PR 82.6	RPD 7.1	None	PR 49-144, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Malathion	1.04	µg/L		0.05	0.1	1	PR 104		None	PR 47-125

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Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Malathion	1.01	µg/L		0.05	0.1	1	PR 101	RPD 2.9	None	PR 47-125, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Methamidophos	0.195	µg/L		0.1	0.2	0.5	PR 39.0		Matrix spike recovery not within control limits	PR 40-135
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Methamidophos	0.232	µg/L		0.1	0.2	0.5	PR 46.4	RPD 17.3	None	PR 40-135, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Methidathion	2.2	µg/L		0.038	0.1	2	PR 110		None	PR 50-150
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Methidathion	2.11	µg/L		0.038	0.1	2	PR 106	RPD 4.2	None	PR 50-150, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8321A	Methiocarb	0.921	µg/L		0.2	0.4	1.07	PR 86.1		None	PR 35-142
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8321A	Methiocarb	0.922	µg/L		0.2	0.4	1.07	PR 86.2	RPD 0.11	None	PR 35-142, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8321A	Methomyl	0.264	µg/L		0.05	0.07	0.267	PR 98.9		None	PR 23-152
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8321A	Methomyl	0.236	µg/L		0.05	0.07	0.267	PR 88.4	RPD 11.2	None	PR 23-152, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Methoxychlor	0.525	µg/L		0.008	0.01	0.6	PR 87.5		None	PR 30-163
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Methoxychlor	0.539	µg/L		0.008	0.01	0.6	PR 89.8	RPD 2.6	None	PR 30-163, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Molinate	1.09	µg/L		0.13	0.5	1	PR 109		None	PR 50-150

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Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Molinate	1.04	µg/L		0.13	0.5	1	PR 104	RPD 4.7	None	PR 50-150, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8321A	Oxamyl	0.547	µg/L		0.2	0.4	1.07	PR 51.1		None	PR 10-117
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8321A	Oxamyl	0.573	µg/L		0.2	0.4	1.07	PR 53.6	RPD 4.6	None	PR 10-117, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 549.2M	Paraquat dichloride	1.284	µg/L		0.25	0.4	2	PR 64.2		None	PR 50-126
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 549.2M	Paraquat dichloride	1.311	µg/L		0.25	0.4	2	PR 65.5	RPD 2.1	None	PR 50-126, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Parathion, Methyl	0.968	µg/L		0.0755	0.1	1	PR 96.8		None	PR 55-164
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Parathion, Methyl	0.958	µg/L		0.0755	0.1	1	PR 95.8	RPD 1.0	None	PR 55-164, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Permethrin, total	0.503	µg/L		0.009	0.02	0.6	PR 83.8		None	PR 24-166
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Permethrin, total	0.454	µg/L		0.009	0.02	0.6	PR 75.7	RPD 10.2	None	PR 24-166, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Phorate	0.965	µg/L		0.0722	0.1	1	PR 96.5		None	PR 44-117
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Phorate	0.963	µg/L		0.0722	0.1	1	PR 96.3	RPD 0.21	None	PR 44-117, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Phosmet	1.23	µg/L		0.0566	0.2	1	PR 123		None	PR 50-150

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Phosmet	1.16	µg/L		0.0566	0.2	1	PR 116	RPD 5.9	None	PR 50-150, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 619	Simazine	2.43	µg/L		0.08	0.5	2	PR 122		None	PR 21-179
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 619	Simazine	2.4	µg/L		0.08	0.5	2	PR 120	RPD 1.2	None	PR 21-179, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	108	%		NA	NA	100			None	PR 38-113
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	93.5	%		NA	NA	100			None	PR 38-113
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	98.3	%		NA	NA	100			None	PR 38-113
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	96.2	%		NA	NA	100			None	PR 38-113
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Thiobencarb	1.08	µg/L		0.06	0.5	1	PR 108		None	PR 50-150
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Thiobencarb	1.06	µg/L		0.06	0.5	1	PR 106	RPD 1.9	None	PR 50-150, RPD <25
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 619	Tributylphosphate (Surrogate)	93	%		NA	NA	100			None	PR 62-145
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 619	Tributylphosphate (Surrogate)	93	%		NA	NA	100			None	PR 62-145
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Tributylphosphate (Surrogate)	94	%		NA	NA	100			None	PR 60-150

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Tributylphosphate (Surrogate)	84.8	%		NA	NA	100			None	PR 60-150
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Tributylphosphate (Surrogate)	94.5	%		NA	NA	100			None	PR 60-150
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Tributylphosphate (Surrogate)	79	%		NA	NA	100			None	PR 60-150
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8321A	Tributylphosphate (Surrogate)	86.5	%		NA	NA	100			None	PR 36-140
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8321A	Tributylphosphate (Surrogate)	92.5	%		NA	NA	100			None	PR 36-140
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 619	Triphenyl phosphate (Surrogate)	101	%		NA	NA	100			None	PR 54-144
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 619	Triphenyl phosphate (Surrogate)	98.5	%		NA	NA	100			None	PR 54-144
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	95.5	%		NA	NA	100			None	PR 56-129
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	90	%		NA	NA	100			None	PR 56-129
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	86.2	%		NA	NA	100			None	PR 56-129
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	97	%		NA	NA	100			None	PR 56-129
Jones Drain @ Oakdale Rd	MS	1.00	1.00	03/01/07	9:30	EPA 8321A	Triphenyl phosphate (Surrogate)	82	%		NA	NA	100			None	PR 56-129

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Jones Drain @ Oakdale Rd	MS	1.00	2.00	03/01/07	9:30	EPA 8321A	Triphenyl phosphate (Surrogate)	108	%		NA	NA	100			None	PR 56-129
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8321A	Aldicarb	-0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8321A	Aldicarb	-0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 619	Atrazine	-0.067	µg/L	ND	0.067	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 619	Atrazine	-0.067	µg/L	ND	0.067	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Azinphos methyl	-0.0215	µg/L	ND	0.0215	0.1				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Azinphos methyl	-0.0215	µg/L	ND	0.0215	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Bifenthrin	-0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Bifenthrin	-0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8321A	Carbaryl	-0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8321A	Carbaryl	-0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8321A	Carbofuran	-0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8321A	Carbofuran	-0.05	µg/L	ND	0.05	0.07				None	<RL

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Chlorpyrifos	- 0.0026	µg/L	ND	0.00259	0.02				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Chlorpyrifos	- 0.0026	µg/L	ND	0.00259	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 619	Cyanazine	-0.086	µg/L	ND	0.086	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 619	Cyanazine	-0.086	µg/L	ND	0.086	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Cyfluthrin, total	-0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Cyfluthrin, total	-0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Cyhalothrin, lambda, total	-0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Cyhalothrin, lambda, total	-0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Cypermethrin, total	-0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Cypermethrin, total	-0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	DDD (p,p')	-0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	DDD (p,p')	-0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	DDE (p,p')	0.0087	µg/L	DNQ	0.004	0.01				None	<RL

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Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	DDE (p,p')	-0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	DDT (p,p')	-0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	DDT (p,p')	-0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	78.4	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	78.4	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	59.4	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	59.4	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Diazinon	- 0.0035	µg/L	ND	0.00353	0.02				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Diazinon	- 0.0035	µg/L	ND	0.00353	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Dicofol	-0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Dicofol	-0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Dieldrin	-0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Dieldrin	-0.005	µg/L	ND	0.005	0.01				None	<RL

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Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Dimethoate	-0.08	µg/L	ND	0.08	0.1				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Dimethoate	-0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Disulfoton	-0.02	µg/L	ND	0.02	0.1				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Disulfoton	-0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8321A	Diuron	-0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8321A	Diuron	-0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Endrin	-0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Endrin	-0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	-0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	-0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/21/07	0:00	EPA 547M	Glyphosate	-4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/21/07	0:00	EPA 547M	Glyphosate	-4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/16/07	0:00	EPA 547M	Glyphosate	-4	µg/L	ND	4	5				None	<RL

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Laboratory QA Samples	LabBlank	1.00	1.00	03/16/07	0:00	EPA 547M	Glyphosate	-4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8321A	Linuron	-0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8321A	Linuron	-0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Malathion	-0.05	µg/L	ND	0.05	0.1				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Malathion	-0.05	µg/L	ND	0.05	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/13/07	0:00	EPA 8141A	Methamidophos	-0.1	µg/L	ND	0.1	0.2				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/19/07	0:00	EPA 8141A	Methamidophos	-0.1	µg/L	ND	0.1	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Methamidophos	-0.1	µg/L	ND	0.1	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Methidathion	-0.038	µg/L	ND	0.038	0.1				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Methidathion	-0.038	µg/L	ND	0.038	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8321A	Methiocarb	-0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8321A	Methiocarb	-0.2	µg/L	ND	0.2	0.4				None	<RL

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Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8321A	Methomyl	-0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8321A	Methomyl	-0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Methoxychlor	-0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Methoxychlor	-0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Molinate	-0.13	µg/L	ND	0.13	0.5				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Molinate	-0.13	µg/L	ND	0.13	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8321A	Oxamyl	-0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8321A	Oxamyl	-0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/14/07	0:00	EPA 549.2M	Paraquat dichloride	-0.25	µg/L	ND	0.25	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/17/07	0:00	EPA 549.2M	Paraquat dichloride	-0.25	µg/L	ND	0.25	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/19/07	0:00	EPA 549.2M	Paraquat dichloride	-0.25	µg/L	ND	0.25	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/19/07	0:00	EPA 549.2M	Paraquat dichloride	-0.25	µg/L	ND	0.25	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/07/07	0:00	EPA 549.2M	Paraquat dichloride	-0.25	µg/L	ND	0.25	0.4				None	<RL

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	1.00	03/08/07	0:00	EPA 549.2M	Paraquat dichloride	-0.25	µg/L	ND	0.25	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Parathion, Methyl	-0.0755	µg/L	ND	0.0755	0.1				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Parathion, Methyl	-0.0755	µg/L	ND	0.0755	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Permethrin, total	-0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Permethrin, total	-0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Phorate	-0.0722	µg/L	ND	0.0722	0.1				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Phorate	-0.0722	µg/L	ND	0.0722	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Phosmet	-0.0566	µg/L	ND	0.0566	0.2				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Phosmet	-0.0566	µg/L	ND	0.0566	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 619	Simazine	-0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 619	Simazine	-0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	76.5	%		NA	NA	100			None	<RL

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	76.5	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	70.9	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	70.9	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Thiobencarb	-0.06	µg/L	ND	0.06	0.5				Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Thiobencarb	-0.06	µg/L	ND	0.06	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 619	Tributylphosphate (Surrogate)	86.3	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 619	Tributylphosphate (Surrogate)	79.4	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/13/07	0:00	EPA 8141A	Tributylphosphate (Surrogate)	172	%		NA	NA	100			Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Tributylphosphate (Surrogate)	112	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/19/07	0:00	EPA 8141A	Tributylphosphate (Surrogate)	129	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Tributylphosphate (Surrogate)	79.4	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	2.00	1.00	03/06/07	0:00	EPA 8141A	Tributylphosphate (Surrogate)	85.6	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8321A	Tributylphosphate (Surrogate)	83.4	%		NA	NA	100			None	<RL

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8321A	Tributylphosphate (Surrogate)	95.5	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 619	Triphenyl phosphate (Surrogate)	86.5	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 619	Triphenyl phosphate (Surrogate)	85.2	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/13/07	0:00	EPA 8141A	Triphenyl phosphate (Surrogate)	157	%		NA	NA	100			Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8141A	Triphenyl phosphate (Surrogate)	130	%		NA	NA	100			Surrogate recovery is outside of control limits	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/19/07	0:00	EPA 8141A	Triphenyl phosphate (Surrogate)	124	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8141A	Triphenyl phosphate (Surrogate)	94.6	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	2.00	1.00	03/06/07	0:00	EPA 8141A	Triphenyl phosphate (Surrogate)	85.2	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	02/16/07	0:00	EPA 8321A	Triphenyl phosphate (Surrogate)	79.9	%		NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	1.00	03/06/07	0:00	EPA 8321A	Triphenyl phosphate (Surrogate)	94.4	%		NA	NA	100			None	<RL
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8321A	Aldicarb	0.82	µg/L		0.2	0.4	1.07	PR 76.6		None	PR 31-133
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8321A	Aldicarb	0.793	µg/L		0.2	0.4	1.07	PR 74.1		None	PR 31-133
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 619	Atrazine	12	µg/L		0.067	0.5	12.5	PR 96.0		None	PR 39-156

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 619	Atrazine	1.57	µg/L		0.067	0.5	2.5	PR 62.8		Surrogate recovery is outside of control limits	PR 39-156
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Azinphos methyl	0.626	µg/L		0.0215	0.1	0.5	PR 125		Surrogate recovery is outside of control limits	PR 36-189
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Azinphos methyl	0.367	µg/L		0.0215	0.1	0.5	PR 73.4		None	PR 36-189
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Bifenthrin	0.164	µg/L		0.006	0.02	0.2	PR 82.0		None	PR 52-117
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Bifenthrin	0.208	µg/L		0.006	0.02	0.3	PR 69.3		None	PR 52-117
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8321A	Carbaryl	0.134	µg/L		0.05	0.07	0.267	PR 50.2		None	PR 44-133
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8321A	Carbaryl	0.217	µg/L		0.05	0.07	0.267	PR 81.3		None	PR 44-133
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8321A	Carbofuran	0.22	µg/L		0.05	0.07	0.267	PR 82.4		None	PR 36-165
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8321A	Carbofuran	0.188	µg/L		0.05	0.07	0.267	PR 70.4		None	PR 36-165
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Chlorpyrifos	0.687	µg/L		0.00259	0.02	0.5	PR 137		Surrogate recovery is outside of control limits; Spike analyte recovery is outside stated control limits	PR 61-125

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Chlorpyrifos	0.449	µg/L		0.00259	0.02	0.5	PR 89.8		None	PR 61-125
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 619	Cyanazine	11.5	µg/L		0.086	0.5	12.5	PR 92.0		None	PR 22-172
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 619	Cyanazine	1.79	µg/L		0.086	0.5	2.5	PR 71.6		Surrogate recovery is outside of control limits	PR 22-172
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Cyfluthrin, total	0.173	µg/L		0.003	0.03	0.2	PR 86.5		None	PR 53-125
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Cyfluthrin, total	0.216	µg/L		0.003	0.03	0.3	PR 72.0		None	PR 53-125
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Cyhalothrin, lambda, total	0.169	µg/L		0.001	0.02	0.2	PR 84.5		None	PR 62-104
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Cyhalothrin, lambda, total	0.218	µg/L		0.001	0.02	0.3	PR 72.7		None	PR 62-104
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Cypermethrin, total	0.84	µg/L		0.004	0.05	1	PR 84.0		None	PR 55-107
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Cypermethrin, total	1.06	µg/L		0.004	0.05	1.5	PR 70.7		None	PR 55-107
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	DDD (p,p')	0.255	µg/L		0.003	0.01	0.3	PR 85.0		None	PR 38-135
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	DDD (p,p')	0.229	µg/L		0.003	0.01	0.3	PR 76.3		None	PR 38-135
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	DDE (p,p')	0.269	µg/L		0.004	0.01	0.3	PR 89.7		None	PR 21-134
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	DDE (p,p')	0.246	µg/L		0.004	0.01	0.3	PR 82.0		None	PR 21-134

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	DDT (p,p')	0.279	µg/L		0.007	0.01	0.3	PR 93.0		None	PR 18-145
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	DDT (p,p')	0.253	µg/L		0.007	0.01	0.3	PR 84.3		None	PR 18-145
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	82.7	%		NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	83.7	%		NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	71.7	%		NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	69	%		NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Diazinon	0.613	µg/L		0.00353	0.02	0.5	PR 123		Surrogate recovery is outside of control limits	PR 57-130
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Diazinon	0.443	µg/L		0.00353	0.02	0.5	PR 88.6		None	PR 57-130
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Dicofol	0.178	µg/L		0.01	0.1	0.2	PR 89.0		None	PR 40-135
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Dicofol	0.143	µg/L		0.01	0.1	0.2	PR 71.5		None	PR 40-135
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Dieldrin	0.279	µg/L		0.005	0.01	0.3	PR 93.0		None	PR 48-121
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Dieldrin	0.249	µg/L		0.005	0.01	0.3	PR 83.0		None	PR 48-121
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Dimethoate	0.779	µg/L		0.08	0.1	0.5	PR 156		Surrogate recovery is outside of control limits	PR 68-202

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Dimethoate	0.519	µg/L		0.08	0.1	0.5	PR 104		None	PR 68-202
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Disulfoton	0.444	µg/L		0.02	0.1	0.5	PR 88.8		Surrogate recovery is outside of control limits	PR 47-117
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Disulfoton	0.383	µg/L		0.02	0.1	0.5	PR 76.6		None	PR 47-117
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8321A	Diuron	0.979	µg/L		0.2	0.4	1.07	PR 91.5		None	PR 52-136
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8321A	Diuron	0.887	µg/L		0.2	0.4	1.07	PR 82.9		None	PR 52-136
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Endrin	0.231	µg/L		0.007	0.01	0.3	PR 77.0		None	PR 24-143
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Endrin	0.23	µg/L		0.007	0.01	0.3	PR 76.7		None	PR 24-143
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.174	µg/L		0.002	0.02	0.2	PR 87.0		None	PR 52-117
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.211	µg/L		0.002	0.02	0.3	PR 70.3		None	PR 52-117
Laboratory QA Samples	LCS	1.00	1.00	02/21/07	0:00	EPA 547M	Glyphosate	52.02	µg/L		4	5	50	PR 104		None	PR 76-127
Laboratory QA Samples	LCS	1.00	1.00	02/21/07	0:00	EPA 547M	Glyphosate	52.02	µg/L		4	5	50	PR 104		None	PR 76-127
Laboratory QA Samples	LCS	1.00	2.00	02/21/07	0:00	EPA 547M	Glyphosate	51.45	µg/L		4	5	50	PR 103	RPD 1.1	None	
Laboratory QA Samples	LCS	1.00	2.00	02/21/07	0:00	EPA 547M	Glyphosate	51.45	µg/L		4	5	50	PR 103	RPD 1.1	None	

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Laboratory QA Samples	LCS	1.00	1.00	03/16/07	0:00	EPA 547M	Glyphosate	59.53	µg/L		4	5	50	PR 119		None	PR 76-127
Laboratory QA Samples	LCS	1.00	1.00	03/16/07	0:00	EPA 547M	Glyphosate	59.53	µg/L		4	5	50	PR 119		None	PR 76-127
Laboratory QA Samples	LCS	1.00	2.00	03/16/07	0:00	EPA 547M	Glyphosate	59.05	µg/L		4	5	50	PR 118	RPD 0.82	None	
Laboratory QA Samples	LCS	1.00	2.00	03/16/07	0:00	EPA 547M	Glyphosate	59.05	µg/L		4	5	50	PR 118	RPD 0.82	None	
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8321A	Linuron	1.06	µg/L		0.2	0.4	1.07	PR 99.1		None	PR 49-144
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8321A	Linuron	0.923	µg/L		0.2	0.4	1.07	PR 86.3		None	PR 49-144
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Malathion	0.62	µg/L		0.05	0.1	0.5	PR 124		Surrogate recovery is outside of control limits	PR 47-125
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Malathion	0.494	µg/L		0.05	0.1	0.5	PR 98.8		None	PR 47-125
Laboratory QA Samples	LCS	1.00	1.00	02/13/07	0:00	EPA 8141A	Methamidophos	0.261	µg/L		0.1	0.2	0.5	PR 52.2		None	PR 40-135
Laboratory QA Samples	LCS	1.00	2.00	02/13/07	0:00	EPA 8141A	Methamidophos	0.252	µg/L		0.1	0.2	0.5	PR 50.4	RPD 3.5	None	
Laboratory QA Samples	LCS	1.00	1.00	02/19/07	0:00	EPA 8141A	Methamidophos	0.227	µg/L		0.1	0.2	0.5	PR 45.4		None	PR 40-135
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Methamidophos	0.198	µg/L		0.1	0.2	0.5	PR 39.6		Spike analyte recovery is outside stated control limits	PR 40-135

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Methidathion	3.34	µg/L		0.038	0.1	5	PR 66.8		Surrogate recovery is outside of control limits	PR 50-150
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Methidathion	0.969	µg/L		0.038	0.1	1	PR 96.9		None	PR 50-150
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8321A	Methiocarb	1.01	µg/L		0.2	0.4	1.07	PR 94.4		None	PR 35-142
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8321A	Methiocarb	0.881	µg/L		0.2	0.4	1.07	PR 82.3		None	PR 35-142
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8321A	Methomyl	0.218	µg/L		0.05	0.07	0.267	PR 81.6		None	PR 23-152
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8321A	Methomyl	0.245	µg/L		0.05	0.07	0.267	PR 91.8		None	PR 23-152
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Methoxychlor	0.274	µg/L		0.008	0.01	0.3	PR 91.3		None	PR 30-163
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Methoxychlor	0.253	µg/L		0.008	0.01	0.3	PR 84.3		None	PR 30-163
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Molinate	1.92	µg/L		0.13	0.5	2.5	PR 76.8		Surrogate recovery is outside of control limits	PR 50-150
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Molinate	0.481	µg/L		0.13	0.5	0.5	PR 96.2		None	PR 50-150
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8321A	Oxamyl	0.641	µg/L		0.2	0.4	1.07	PR 59.9		None	PR 10-117
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8321A	Oxamyl	0.61	µg/L		0.2	0.4	1.07	PR 57.0		None	PR 10-117
Laboratory QA Samples	LCS	1.00	1.00	02/14/07	0:00	EPA 549.2M	Paraquat dichloride	1.536	µg/L		0.25	0.4	2	PR 76.8		None	PR 50-126

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	2.00	02/14/07	0:00	EPA 549.2M	Paraquat dichloride	1.373	µg/L		0.25	0.4	2	PR 68.7	RPD 11	None	
Laboratory QA Samples	LCS	1.00	1.00	02/17/07	0:00	EPA 549.2M	Paraquat dichloride	1.615	µg/L		0.25	0.4	2	PR 80.8		None	PR 50-126
Laboratory QA Samples	LCS	1.00	2.00	02/17/07	0:00	EPA 549.2M	Paraquat dichloride	1.745	µg/L		0.25	0.4	2	PR 87.2	RPD 7.7	None	
Laboratory QA Samples	LCS	1.00	1.00	02/19/07	0:00	EPA 549.2M	Paraquat dichloride	1.615	µg/L		0.25	0.4	2	PR 80.7		None	PR 50-126
Laboratory QA Samples	LCS	1.00	1.00	02/19/07	0:00	EPA 549.2M	Paraquat dichloride	1.991	µg/L		0.25	0.4	2	PR 99.5		None	PR 50-126
Laboratory QA Samples	LCS	1.00	2.00	02/19/07	0:00	EPA 549.2M	Paraquat dichloride	1.505	µg/L		0.25	0.4	2	PR 75.2	RPD 28	RPD exceeds laboratory control limit	
Laboratory QA Samples	LCS	1.00	2.00	02/19/07	0:00	EPA 549.2M	Paraquat dichloride	1.626	µg/L		0.25	0.4	2	PR 81.3	RPD 0.72	None	
Laboratory QA Samples	LCS	1.00	1.00	03/07/07	0:00	EPA 549.2M	Paraquat dichloride	1.558	µg/L		0.25	0.4	2	PR 77.9		None	PR 50-126
Laboratory QA Samples	LCS	1.00	2.00	03/07/07	0:00	EPA 549.2M	Paraquat dichloride	1.557	µg/L		0.25	0.4	2	PR 77.9	RPD 0.043	None	
Laboratory QA Samples	LCS	1.00	1.00	03/08/07	0:00	EPA 549.2M	Paraquat dichloride	1.321	µg/L		0.25	0.4	2	PR 66.1		None	PR 50-126
Laboratory QA Samples	LCS	1.00	2.00	03/08/07	0:00	EPA 549.2M	Paraquat dichloride	1.428	µg/L		0.25	0.4	2	PR 71.4	RPD 7.8	None	
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Parathion, Methyl	0.685	µg/L		0.0755	0.1	0.5	PR 137		Surrogate recovery is outside of control limits	PR 55-164
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Parathion, Methyl	0.423	µg/L		0.0755	0.1	0.5	PR 84.6		None	PR 55-164

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Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Permethrin, total	0.167	µg/L		0.009	0.02	0.2	PR 83.5		None	PR 24-166
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Permethrin, total	0.213	µg/L		0.009	0.02	0.3	PR 71.0		None	PR 24-166
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Phorate	0.542	µg/L		0.0722	0.1	0.5	PR 108		Surrogate recovery is outside of control limits	PR 44-117
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Phorate	0.406	µg/L		0.0722	0.1	0.5	PR 81.2		None	PR 44-117
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Phosmet	1.58	µg/L		0.0566	0.2	2.5	PR 63.2		Surrogate recovery is outside of control limits	PR 50-150
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Phosmet	0.537	µg/L		0.0566	0.2	0.5	PR 107		None	PR 50-150
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 619	Simazine	6.22	µg/L		0.08	0.5	12.5	PR 49.8		None	PR 21-179
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 619	Simazine	1.22	µg/L		0.08	0.5	2.5	PR 48.8		Surrogate recovery is outside of control limits	PR 21-179
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	87.3	%		NA	NA	100			None	PR 38-113
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	89	%		NA	NA	100			None	PR 38-113
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	70.3	%		NA	NA	100			None	PR 38-113
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	83	%		NA	NA	100			None	PR 38-113

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Thiobencarb	1.94	µg/L		0.06	0.5	2.5	PR 77.6		Surrogate recovery is outside of control limits	PR 50-150
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Thiobencarb	0.473	µg/L		0.06	0.5	0.5	PR 94.6		None	PR 50-150
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 619	Tributylphosphate (Surrogate)	103	%		NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 619	Tributylphosphate (Surrogate)	60.6	%		NA	NA	100			Surrogate recovery is outside of control limits	PR 36-140
Laboratory QA Samples	LCS	1.00	1.00	02/13/07	0:00	EPA 8141A	Tributylphosphate (Surrogate)	137	%		NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	2.00	02/13/07	0:00	EPA 8141A	Tributylphosphate (Surrogate)	137	%		NA	NA	100			None	
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Tributylphosphate (Surrogate)	127	%		NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	1.00	02/19/07	0:00	EPA 8141A	Tributylphosphate (Surrogate)	122	%		NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	2.00	1.00	03/06/07	0:00	EPA 8141A	Tributylphosphate (Surrogate)	85.3	%		NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Tributylphosphate (Surrogate)	78.8	%		NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8321A	Tributylphosphate (Surrogate)	98.5	%		NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8321A	Tributylphosphate (Surrogate)	98.5	%		NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 619	Triphenyl phosphate (Surrogate)	97	%		NA	NA	100			None	PR 54-144

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 619	Triphenyl phosphate (Surrogate)	56.4	%		NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	1.00	1.00	02/13/07	0:00	EPA 8141A	Triphenyl phosphate (Surrogate)	116	%		NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	2.00	02/13/07	0:00	EPA 8141A	Triphenyl phosphate (Surrogate)	124	%		NA	NA	100			None	
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8141A	Triphenyl phosphate (Surrogate)	142	%		NA	NA	100			Surrogate recovery is outside of control limits	PR 56-129
Laboratory QA Samples	LCS	1.00	1.00	02/19/07	0:00	EPA 8141A	Triphenyl phosphate (Surrogate)	118	%		NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8141A	Triphenyl phosphate (Surrogate)	86.9	%		NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	2.00	1.00	03/06/07	0:00	EPA 8141A	Triphenyl phosphate (Surrogate)	84.4	%		NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	1.00	02/16/07	0:00	EPA 8321A	Triphenyl phosphate (Surrogate)	87.2	%		NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	1.00	03/06/07	0:00	EPA 8321A	Triphenyl phosphate (Surrogate)	83.5	%		NA	NA	100			None	PR 56-129

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Non Ag Waiver QA Sample	MS	1.00	1.00	02/11/07	8:10	EPA 549.2M	Paraquat dichloride	-0.25	µg/L	ND	0.25	0.4	2	PR 0		Batch quality assurance from another project, spike analyte recovery is outside of stated control limits, parent sample not included in batch	PR 50-126
Non Ag Waiver QA Sample	MS	1.00	2.00	02/11/07	8:10	EPA 549.2M	Paraquat dichloride	-0.25	µg/L	ND	0.25	0.4	2	PR 0	RPD 0	Batch quality assurance from another project, spike analyte recovery is outside of stated control limits, parent sample not included in batch	
Non Ag Waiver QA Sample	MS	1.00	1.00	02/15/07	14:22	EPA 549.2M	Paraquat dichloride	1.447	µg/L		0.25	0.4	2	PR 72.4		Batch quality assurance from another project, parent sample not included in batch	PR 50-126

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Table III-3. Field QC Results for Inorganics

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	<0.1		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 200.8	Arsenic	1	µg/L		0.3	0.5	<0.5 or <7.3 ÷ 5		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5	<5		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 200.8	Boron	3	µg/L		0.2	1	<1 or <16 ÷ 5		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 110.2	Color	<3	color units	ND	3	3	<3		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 200.8	Copper	<0.3	µg/L	ND	0.3	0.5	<0.5		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	SM 9223	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < sample ÷ 5	Analysis Time=07:56
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 200.8	Lead	<0.1	µg/L	ND	0.1	0.25	<0.25		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 200.8	Nickel	<0.4	µg/L	ND	0.4	0.5	<0.5		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 300.0	Nitrate as N	<0.006	mg/L	ND	0.006	0.05	<0.05		None	<RL or < sample ÷ 5	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 351.3	Nitrogen, Total Kjeldahl	<0.07	mg/L	ND	0.07	0.1	<0.1		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 365.2	Phosphate as P	0.017	mg/L		0.01	0.01	<0.01 or <1 ÷ 5		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1	<1		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 160.1	Total Dissolved Solids	<4	mg/L	ND	4	10	<10		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 415.1	Total Organic Carbon	<0.3	mg/L	ND	0.3	0.5	<0.5		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05	<0.05		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	2/12/07	9:15	EPA 200.8	Zinc	0.8	µg/L	DNQ	0.4	1	<1 or <83 ÷ 5		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	<0.1		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 200.8	Arsenic	<0.3	µg/L	ND	0.3	0.5	<0.5		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5	<5		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 200.8	Boron	1	µg/L		0.9	1	<1		None	<RL or < sample ÷ 5	DF=1
Jones Drain @	FB	1.00	1.00	3/1/07	9:30	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < sample ÷ 5	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Oakdale Rd																	
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 110.2	Color	<3	color units	ND	3	3	<3		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 200.8	Copper	<0.3	µg/L	ND	0.3	0.5	<0.5		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	SM 9223	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < sample ÷ 5	Analysis Time=07:43
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 200.8	Lead	<0.1	µg/L	ND	0.1	0.25	<0.25		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 200.8	Nickel	<0.4	µg/L	ND	0.4	0.5	<0.5		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 300.0	Nitrate as N	<0.006	mg/L	ND	0.006	0.05	<0.05		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 351.3	Nitrogen, Total Kjeldahl	<0.07	mg/L	ND	0.07	0.1	<0.1		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 365.2	Phosphate as P	0.054	mg/L		0.01	0.01	<0.01 or <10 ÷ 5		Analyte detected in method, trip, or equipment blank	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 200.8	Selenium	2	µg/L		0.9	1	<1 or <0.96 ÷ 5		Analyte detected in method, trip, or equipment blank	<RL or < sample ÷ 5	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 160.1	Total Dissolved Solids	<4	mg/L	ND	4	10	<10		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 415.1	Total Organic Carbon	0.68	mg/L	DNQ	0.3	1	<1 or <0.4 ÷ 5		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05	<0.05		None	<RL or < sample ÷ 5	DF=1
Jones Drain @ Oakdale Rd	FB	1.00	1.00	3/1/07	9:30	EPA 200.8	Zinc	0.6	µg/L	DNQ	0.4	1	<1 or 36 ÷ 5		None	<RL or < sample ÷ 5	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 350.2	Ammonia as N	0.12	mg/L		0.04	0.1	0.12	FD RPD0	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 200.8	Arsenic	6.7	µg/L		0.3	0.5	7.3		None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 405.1	BOD	9	mg/L		0.6	5	9	FD RPD0	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 200.8	Boron	16	µg/L		1	5	16	FD RPD0	None	RPD <25	DF=5
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 200.8	Cadmium	0.2	µg/L		0.02	0.1	0.2		None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 110.2	Color	500	color units		150	200	550	FD RPD9	None	RPD <25	DF=50
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 200.8	Copper	44	µg/L		0.3	0.5	47		None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	SM 9223	E. coli	2400	MPN/100 mL	>	1	1	2400	RLOG 0	None	RPD <25	Analysis Time=07:56
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 130.2	Hardness as CaCO3	140	mg/L		6	10	140	FD RPD0	None	RPD <25	DF=2
Duck Slough	FD	1.00	1.00	2/12/07	9:15	EPA 200.8	Lead	13	µg/L		0.1	0.25	13		None	RPD <25	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
@ Gurr Rd																	
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 200.8	Nickel	53	µg/L		0.4	0.5	54		None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 300.0	Nitrate as N	0.65	mg/L		0.006	0.05	0.66	FD RPD1	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 354.1	Nitrite as N	0.0082	mg/L	DNQ	0.002	0.03	0.0088	FD RPD6.8	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 351.3	Nitrogen, Total Kjeldahl	3.1	mg/L		0.07	0.1	3	FD RPD3	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 365.2	OrthoPhosphate as P	0.096	mg/L		0.01	0.01	0.14	FD RPD31	Field duplicate RPD above QC limit	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 365.2	Phosphate as P	1.2	mg/L		0.01	0.01	1		None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1	<0.9	FD RPDNA	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 160.1	Total Dissolved Solids	75	mg/L		4	10	190	FD RPD60	Field duplicate RPD above QC limit	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 415.1	Total Organic Carbon	6.7	mg/L		0.3	0.5	6.9	FD RPD3	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 180.1	Turbidity	410	NTU		0.1	0.2	450	FD RPD9	None	RPD <25	DF=5
Duck Slough @ Gurr Rd	FD	1.00	1.00	2/12/07	9:15	EPA 200.8	Zinc	76	µg/L		0.4	1	83		None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	<0.04	FD RPDNA	None	RPD <25	DF=1
Jones Drain @ Oakdale	FD	1.00	1.00	3/1/07	9:30	EPA 200.8	Arsenic	1.3	µg/L		0.3	0.5	1.1	FD RPD16	None	RPD <25	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Rd																	
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 405.1	BOD	<0.6	mg/L	ND	0.6	5	<0.6	FD RPD0	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 200.8	Boron	8	µg/L		0.9	1	10	FD RPD22	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 200.8	Cadmium	0.07	µg/L	DNQ	0.02	0.1	0.07	FD RPD0	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 110.2	Color	60	color units		15	20	35	FD RPD53	Field duplicate RPD above QC limit	RPD <25	DF=5
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 200.8	Copper	13	µg/L		0.3	0.5	13	FD RPD0	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	SM 9223	E. coli	100	MPN/100 mL		1	1	150	RLOG 0.176	None	RPD <25	Analysis Time=07:43
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 130.2	Hardness as CaCO3	240	mg/L		15	20	78	FD RPD102	Field duplicate RPD above QC limit	RPD <25	DF=5
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 200.8	Lead	2.4	µg/L		0.1	0.25	2.6	FD RPD8	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 200.8	Nickel	10	µg/L		0.4	0.5	9.9	FD RPD1	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 300.0	Nitrate as N	0.83	mg/L		0.006	0.05	0.83	FD RPD0	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 354.1	Nitrite as N	0.01	mg/L	DNQ	0.002	0.03	0.009	FD RPD10	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.45	mg/L		0.07	0.1	0.53	FD RPD16	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 365.2	OrthoPhosphate as P	0.07	mg/L		0.01	0.01	0.078	FD RPD10	None	RPD <25	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Rd																	
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 365.2	Phosphate as P	0.24	mg/L		0.01	0.01	0.19	FD RPD24	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 200.8	Selenium	1	µg/L		0.9	1	0.96	FD RPD4	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 160.1	Total Dissolved Solids	110	mg/L		4	10	120	FD RPD4	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 415.1	Total Organic Carbon	2.6	mg/L		0.3	1	1.4	FD RPD60	Field duplicate RPD above QC limit	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 180.1	Turbidity	43	NTU		0.02	0.05	41	FD RPD4	None	RPD <25	DF=1
Jones Drain @ Oakdale Rd	FD	1.00	1.00	3/1/07	9:30	EPA 200.8	Zinc	27	µg/L		0.4	1	36	FD RPD28	Field duplicate RPD above QC limit	RPD <25	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Table III-4. Lab Quality Assurance for Inorganics

Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	02/12/07	0:00	EPA 110.2	Color	<3	color units	ND	3	3	<3			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/12/07	0:00	SM 9223	E. coli	<1	MPN/100 mL	ND	1	1	<1			None	<RL	Analysis Time=08:19
Laboratory QA Samples	LabBlank	1.00	02/12/07	0:00	EPA 300.0	Nitrate as N	<0.006	mg/L	ND	0.006	0.05	<0.05			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/12/07	0:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/12/07	0:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/12/07	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/12/07	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/12/07	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05	<0.05			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/12/07	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05	<0.05			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/13/07	0:00	EPA 110.2	Color	<3	color units	ND	3	3	<3			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/13/07	0:00	EPA 110.2	Color	<3	color units	ND	3	3	<3			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/13/07	0:00	SM 9223	E. coli	<1	MPN/100 mL	ND	1	1	<1			None	<RL	Analysis Time=08:06
Laboratory QA Samples	LabBlank	1.00	02/13/07	0:00	EPA 300.0	Nitrate as N	<0.006	mg/L	ND	0.006	0.05	<0.05			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/13/07	0:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/13/07	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/13/07	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05	<0.05			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/15/07	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5			None	<RL	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	02/15/07	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/15/07	0:00	EPA 160.1	Total Dissolved Solids	<4	mg/L	ND	4	10	<10			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/16/07	0:00	EPA 160.1	Total Dissolved Solids	<4	mg/L	ND	4	10	<10			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/16/07	0:00	EPA 160.1	Total Dissolved Solids	<4	mg/L	ND	4	10	<10			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/20/07	0:00	EPA 415.1	Total Organic Carbon	<0.3	mg/L	ND	0.3	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/20/07	0:00	EPA 415.1	Total Organic Carbon	<0.3	mg/L	ND	0.3	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/21/07	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/21/07	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/21/07	0:00	EPA 415.1	Total Organic Carbon	<0.3	mg/L	ND	0.3	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/23/07	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/23/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.07	mg/L	ND	0.07	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/26/07	0:00	EPA 200.8	Boron	<0.2	µg/L	ND	0.2	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/26/07	0:00	EPA 200.8	Boron	0.4	µg/L	DNQ	0.2	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/26/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.07	mg/L	ND	0.07	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Arsenic	0.4	µg/L	DNQ	0.3	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1	<0.1			None	<RL	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Copper	<0.3	µg/L	ND	0.3	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Copper	<0.3	µg/L	ND	0.3	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Copper	<0.3	µg/L	ND	0.3	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Lead	<0.1	µg/L	ND	0.1	0.25	<0.25			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Lead	<0.1	µg/L	ND	0.1	0.25	<0.25			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Lead	<0.1	µg/L	ND	0.1	0.25	<0.25			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Nickel	<0.4	µg/L	ND	0.4	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Nickel	<0.4	µg/L	ND	0.4	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Nickel	<0.4	µg/L	ND	0.4	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.07	mg/L	ND	0.07	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.4	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.4	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/27/07	0:00	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.4	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/28/07	0:00	EPA 200.8	Arsenic	<0.3	µg/L	ND	0.3	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	02/28/07	0:00	EPA 200.8	Arsenic	<0.3	µg/L	ND	0.3	0.5	<0.5			None	<RL	DF=1

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Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	03/01/07	0:00	EPA 110.2	Color	<3	color units	ND	3	3	<3			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/01/07	0:00	SM 9223	E. coli	<1	MPN/100 mL	ND	1	1	<1			None	<RL	Analysis Time=07:30
Laboratory QA Samples	LabBlank	1.00	03/01/07	0:00	EPA 300.0	Nitrate as N	<0.006	mg/L	ND	0.006	0.05	<0.05			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/01/07	0:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/01/07	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/01/07	0:00	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/01/07	0:00	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/01/07	0:00	EPA 160.1	Total Dissolved Solids	<4	mg/L	ND	4	10	<10			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/01/07	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05	<0.05			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/02/07	0:00	EPA 110.2	Color	<3	color units	ND	3	3	<3			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/02/07	0:00	SM 9223	E. coli	<1	MPN/100 mL	ND	1	1	<1			None	<RL	Analysis Time=07:48
Laboratory QA Samples	LabBlank	1.00	03/02/07	0:00	EPA 300.0	Nitrate as N	<0.006	mg/L	ND	0.006	0.05	<0.05			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/02/07	0:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/02/07	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/02/07	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05	<0.05			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/05/07	0:00	EPA 160.1	Total Dissolved Solids	<4	mg/L	ND	4	10	<10			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/06/07	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/06/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.07	mg/L	ND	0.07	0.1	<0.1			None	<RL	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	03/06/07	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/06/07	0:00	EPA 160.1	Total Dissolved Solids	<4	mg/L	ND	4	10	<10			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/08/07	0:00	EPA 200.8	Boron	<0.9	µg/L	ND	0.9	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/08/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.07	mg/L	ND	0.07	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/08/07	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/08/07	0:00	EPA 415.1	Total Organic Carbon	0.46	mg/L	DNQ	0.3	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/12/07	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/12/07	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/12/07	0:00	EPA 200.8	Arsenic	<0.3	µg/L	ND	0.3	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/12/07	0:00	EPA 200.8	Boron	<0.9	µg/L	ND	0.9	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/12/07	0:00	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/12/07	0:00	EPA 200.8	Copper	<0.3	µg/L	ND	0.3	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/12/07	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/12/07	0:00	EPA 200.8	Lead	<0.1	µg/L	ND	0.1	0.25	<0.25			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/12/07	0:00	EPA 200.8	Nickel	<0.4	µg/L	ND	0.4	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/12/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.07	mg/L	ND	0.07	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/12/07	0:00	EPA 200.8	Zinc	0.8	µg/L	DNQ	0.4	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/13/07	0:00	EPA 200.8	Arsenic	<0.3	µg/L	ND	0.3	0.5	<0.5			None	<RL	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	03/13/07	0:00	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1	<0.1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/13/07	0:00	EPA 200.8	Copper	<0.3	µg/L	ND	0.3	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/13/07	0:00	EPA 200.8	Lead	<0.1	µg/L	ND	0.1	0.25	<0.25			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/13/07	0:00	EPA 200.8	Nickel	<0.4	µg/L	ND	0.4	0.5	<0.5			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/13/07	0:00	EPA 200.8	Zinc	0.7	µg/L	DNQ	0.4	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/14/07	0:00	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/14/07	0:00	EPA 200.8	Selenium	<0.9	µg/L	ND	0.9	1	<1			None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	03/22/07	0:00	EPA 415.1	Total Organic Carbon	0.69	mg/L	DNQ	0.3	1	<1			None	<RL	DF=1
Laboratory QA Samples	LCS	1.00	02/12/07	0:00	EPA 405.1	BOD	398.25	mg/L		0.6	5	400	101		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/12/07	0:00	EPA 300.0	Nitrate as N	6.096	mg/L		0.006	0.05	6.2	98		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/12/07	0:00	EPA 354.1	Nitrite as N	0.2034	mg/L		0.002	0.03	0.2	102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/12/07	0:00	EPA 354.1	Nitrite as N	0.2034	mg/L		0.002	0.03	0.2	102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/12/07	0:00	EPA 365.2	OrthoPhosphate as P	0.1916	mg/L		0.01	0.01	0.2	96		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/12/07	0:00	EPA 365.2	OrthoPhosphate as P	0.1916	mg/L		0.01	0.01	0.2	96		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/13/07	0:00	EPA 405.1	BOD	373.5	mg/L		0.6	5	400	94		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/13/07	0:00	EPA 300.0	Nitrate as N	6.124	mg/L		0.006	0.05	6.2	98		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/13/07	0:00	EPA 354.1	Nitrite as N	0.203	mg/L		0.002	0.03	0.2	102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/13/07	0:00	EPA 365.2	OrthoPhosphate as P	0.1996	mg/L		0.01	0.01	0.2	100		None	PR 80-120	DF=1

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Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	02/15/07	0:00	EPA 130.2	Hardness as CaCO3	1060	mg/L		30	50	1000	106		None	PR 80-120	DF=10
Laboratory QA Samples	LCS	1.00	02/15/07	0:00	EPA 365.2	Phosphate as P	0.992	mg/L		0.01	0.01	1	99		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/15/07	0:00	EPA 160.1	Total Dissolved Solids	480	mg/L		8	20	500	96		None	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	02/16/07	0:00	EPA 160.1	Total Dissolved Solids	518	mg/L		8	20	500	104		None	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	02/16/07	0:00	EPA 160.1	Total Dissolved Solids	502	mg/L		8	20	500	100		None	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	02/20/07	0:00	EPA 415.1	Total Organic Carbon	10.18	mg/L		0.3	0.5	10	102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/20/07	0:00	EPA 415.1	Total Organic Carbon	10.1	mg/L		0.3	0.5	10	101		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/21/07	0:00	EPA 130.2	Hardness as CaCO3	1080	mg/L		30	50	1000	108		None	PR 80-120	DF=10
Laboratory QA Samples	LCS	1.00	02/21/07	0:00	EPA 365.2	Phosphate as P	0.9996	mg/L		0.01	0.01	1	100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/21/07	0:00	EPA 415.1	Total Organic Carbon	10.02	mg/L		0.3	0.5	10	100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/23/07	0:00	EPA 350.2	Ammonia as N	4.9317	mg/L		0.04	0.1	5	99		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/23/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.756	mg/L		0.07	0.1	5	95		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/26/07	0:00	EPA 200.8	Boron	22.556	µg/L		0.2	1	20	113		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/26/07	0:00	EPA 200.8	Boron	21.187	µg/L		0.2	1	20	106		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/26/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.0526	mg/L		0.07	0.1	5	101		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 350.2	Ammonia as N	4.9537	mg/L		0.04	0.1	5	99		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Arsenic	22.566	µg/L		0.3	0.5	20	113		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Arsenic	22.624	µg/L		0.3	0.5	20	113		None	PR 75-125	DF=1

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Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Arsenic	22.561	µg/L		0.3	0.5	20	113		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Cadmium	21.502	µg/L		0.02	0.1	20	108		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Cadmium	21.647	µg/L		0.02	0.1	20	108		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Cadmium	21.824	µg/L		0.02	0.1	20	109		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Copper	21.446	µg/L		0.3	0.5	20	107		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Copper	20.634	µg/L		0.3	0.5	20	103		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Copper	22.042	µg/L		0.3	0.5	20	110		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Lead	21.473	µg/L		0.1	0.25	20	107		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Lead	21.801	µg/L		0.1	0.25	20	109		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Lead	22.372	µg/L		0.1	0.25	20	112		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Nickel	20.366	µg/L		0.4	0.5	20	102		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Nickel	21.488	µg/L		0.4	0.5	20	107		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Nickel	20.722	µg/L		0.4	0.5	20	104		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.9867	mg/L		0.07	0.1	5	100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 365.2	Phosphate as P	1.004	mg/L		0.01	0.01	1	100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Selenium	19.718	µg/L		0.9	1	20	99		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Zinc	22.612	µg/L		0.4	1	20	113		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Zinc	22.093	µg/L		0.4	1	20	110		None	PR 75-125	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	02/27/07	0:00	EPA 200.8	Zinc	22.164	µg/L		0.4	1	20	111		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/01/07	0:00	EPA 300.0	Nitrate as N	6.531	mg/L		0.006	0.05	6.2	104		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/01/07	0:00	EPA 354.1	Nitrite as N	0.202	mg/L		0.002	0.03	0.2	101		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/01/07	0:00	EPA 365.2	OrthoPhosphate as P	0.211	mg/L		0.01	0.01	0.2	106		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/01/07	0:00	EPA 200.8	Selenium	19.259	µg/L		0.9	1	20	96		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/01/07	0:00	EPA 200.8	Selenium	19.087	µg/L		0.9	1	20	95		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/01/07	0:00	EPA 160.1	Total Dissolved Solids	490	mg/L		8	20	500	98		None	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	03/02/07	0:00	EPA 300.0	Nitrate as N	6.169	mg/L		0.006	0.05	6.2	99		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/02/07	0:00	EPA 354.1	Nitrite as N	0.207	mg/L		0.002	0.03	0.2	104		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/02/07	0:00	EPA 365.2	OrthoPhosphate as P	0.205	mg/L		0.01	0.01	0.2	103		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/05/07	0:00	EPA 160.1	Total Dissolved Solids	482	mg/L		8	20	500	96		None	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	03/06/07	0:00	EPA 405.1	BOD	343.5	mg/L		0.6	5	400	87		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/06/07	0:00	EPA 130.2	Hardness as CaCO3	1040	mg/L		30	50	1000	104		None	PR 80-120	DF=10
Laboratory QA Samples	LCS	1.00	03/06/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.2398	mg/L		0.07	0.1	5	85		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/06/07	0:00	EPA 365.2	Phosphate as P	0.965	mg/L		0.01	0.01	1	97		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/06/07	0:00	EPA 160.1	Total Dissolved Solids	500	mg/L		8	20	500	100		None	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	03/07/07	0:00	EPA 405.1	BOD	348.15	mg/L		0.6	5	400	88		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/08/07	0:00	EPA 200.8	Boron	18.804	µg/L		0.9	1	20	94		None	PR 75-125	DF=1

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Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	03/08/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.0855	mg/L		0.07	0.1	5	102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/08/07	0:00	EPA 365.2	Phosphate as P	0.956	mg/L		0.01	0.01	1	96		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/08/07	0:00	EPA 415.1	Total Organic Carbon	10.07	mg/L		0.3	0.5	10	101		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/12/07	0:00	EPA 350.2	Ammonia as N	4.9647	mg/L		0.04	0.1	5	99		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/12/07	0:00	EPA 350.2	Ammonia as N	5.0196	mg/L		0.04	0.1	5	100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/12/07	0:00	EPA 200.8	Arsenic	22.142	µg/L		0.3	0.5	20	111		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/12/07	0:00	EPA 200.8	Boron	22.222	µg/L		0.9	1	20	111		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/12/07	0:00	EPA 200.8	Cadmium	21.529	µg/L		0.02	0.1	20	108		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/12/07	0:00	EPA 200.8	Copper	21.584	µg/L		0.3	0.5	20	108		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/12/07	0:00	EPA 130.2	Hardness as CaCO3	1040	mg/L		30	50	1000	104		None	PR 80-120	DF=10
Laboratory QA Samples	LCS	1.00	03/12/07	0:00	EPA 200.8	Lead	21.961	µg/L		0.1	0.25	20	110		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/12/07	0:00	EPA 200.8	Nickel	21.412	µg/L		0.4	0.5	20	107		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/12/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.4375	mg/L		0.07	0.1	5	89		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	03/12/07	0:00	EPA 200.8	Zinc	22.552	µg/L		0.4	1	20	113		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/13/07	0:00	EPA 200.8	Arsenic	20.648	µg/L		0.3	0.5	20	103		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/13/07	0:00	EPA 200.8	Cadmium	20.62	µg/L		0.02	0.1	20	103		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/13/07	0:00	EPA 200.8	Lead	22.372	µg/L		0.1	0.25	20	112		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/14/07	0:00	EPA 200.8	Copper	22.613	µg/L		0.3	0.5	20	113		None	PR 75-125	DF=1

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Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	03/14/07	0:00	EPA 200.8	Nickel	22.892	µg/L		0.4	0.5	20	114		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/14/07	0:00	EPA 200.8	Selenium	20.657	µg/L		0.9	1	20	103		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/14/07	0:00	EPA 200.8	Selenium	22.148	µg/L		0.9	1	20	111		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/15/07	0:00	EPA 200.8	Zinc	22.253	µg/L		0.4	1	20	111		None	PR 75-125	DF=1
Laboratory QA Samples	LCS	1.00	03/22/07	0:00	EPA 415.1	Total Organic Carbon	8.862	mg/L		0.3	1	10	89		None	PR 80-120	DF=1
Prairie Flower Drain @ Crows Landing Rd	MS	1.00	02/11/07	12:05	EPA 350.2	Ammonia as N	4.9757	mg/L		0.04	0.1	5.12	97		None	PR 80-120	DF=1
Prairie Flower Drain @ Crows Landing Rd	MS	2.00	02/11/07	12:05	EPA 350.2	Ammonia as N	4.767	mg/L		0.04	0.1	5.12	93	4.3	None	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 350.2	Ammonia as N	5.0526	mg/L		0.04	0.1	5.29	95		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 350.2	Ammonia as N	5.0416	mg/L		0.04	0.1	5.29	95	0.2	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	02/11/07	16:15	EPA 200.8	Arsenic	24.807	µg/L		0.3	0.5	21	119		None	PR 75-125	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	02/11/07	16:15	EPA 200.8	Arsenic	23.825	µg/L		0.3	0.5	21	114	4	None	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 200.8	Arsenic	28.867	µg/L		0.3	0.5	28.8	100		Batch Quality Assurance data from another project	PR 75-125	DF=1

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Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 200.8	Arsenic	27.252	µg/L		0.3	0.5	28.8	92	5.8	Batch Quality Assurance data from another project	PR 75-125; RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	02/11/07	16:15	EPA 200.8	Boron	29.713	µg/L		0.2	1	27	115		None	PR 75-125	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	02/11/07	16:15	EPA 200.8	Boron	30.043	µg/L		0.2	1	27	116	1.1	None	PR 75-125; RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	02/11/07	16:15	EPA 200.8	Cadmium	21.608	µg/L		0.02	0.1	20	108		None	PR 75-125	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	02/11/07	16:15	EPA 200.8	Cadmium	21.588	µg/L		0.02	0.1	20	108	0.1	None	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 200.8	Cadmium	21.076	µg/L		0.02	0.1	20.2	104		Batch Quality Assurance data from another project	PR 75-125	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 200.8	Cadmium	20.388	µg/L		0.02	0.1	20.2	101	3.3	Batch Quality Assurance data from another project	PR 75-125; RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	02/11/07	16:15	EPA 200.8	Copper	22.707	µg/L		0.3	0.5	21.9	104		None	PR 75-125	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	02/11/07	16:15	EPA 200.8	Copper	22.622	µg/L		0.3	0.5	21.9	104	0.4	None	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 200.8	Copper	74.981	µg/L		0.3	0.5	76	95		Batch Quality Assurance data from another project	PR 75-125	DF=1

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Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 200.8	Copper	73.552	µg/L		0.3	0.5	76	88	1.9	Batch Quality Assurance data from another project	PR 75-125; RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	02/11/07	16:15	EPA 200.8	Lead	22.518	µg/L		0.1	0.25	20.19	112		None	PR 75-125	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	02/11/07	16:15	EPA 200.8	Lead	22.056	µg/L		0.1	0.25	20.19	109	2.1	None	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 200.8	Lead	32.251	µg/L		0.1	0.25	30	111		Batch Quality Assurance data from another project	PR 75-125	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 200.8	Lead	31.403	µg/L		0.1	0.25	30	106	2.7	Batch Quality Assurance data from another project	PR 75-125; RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	02/11/07	16:15	EPA 200.8	Nickel	22.566	µg/L		0.4	0.5	21.7	104		None	PR 75-125	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	02/11/07	16:15	EPA 200.8	Nickel	22.293	µg/L		0.4	0.5	21.7	103	1.2	None	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 200.8	Nickel	76.486	µg/L		0.4	0.5	77	99		Batch Quality Assurance data from another project	PR 75-125	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 200.8	Nickel	74.478	µg/L		0.4	0.5	77	89	2.7	Batch Quality Assurance data from another project	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 300.0	Nitrate as N	8.013	mg/L		0.006	0.05	7.9	102		Batch Quality Assurance data from another project	PR 80-120	DF=1

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Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 300.0	Nitrate as N	7.987	mg/L		0.006	0.05	7.9	101	0.3	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 354.1	Nitrite as N	0.178	mg/L		0.002	0.03	0.238	70		DS,GB; see QACode Lookup list for complete definition, flagged by QAO	PR 80-120	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 354.1	Nitrite as N	0.2846	mg/L		0.002	0.03	0.33	79		DS,GB; see QACode Lookup list for complete definition, flagged by QAO	PR 80-120	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 354.1	Nitrite as N	0.2871	mg/L		0.002	0.03	0.33	81	0.9	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 354.1	Nitrite as N	0.1941	mg/L		0.002	0.03	0.238	78	8.7	DS,GB; see QACode Lookup list for complete definition, flagged by QAO	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	6.151	mg/L		0.07	0.1	6.2	100		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	8.2818	mg/L		0.07	0.1	8.4	99		Batch Quality Assurance data from another project	PR 80-120	DF=1

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Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	6.3487	mg/L		0.07	0.1	6.2	104	3.2	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	8.3917	mg/L		0.07	0.1	8.4	101	1.3	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 365.2	OrthoPhosphate as P	1.5081	mg/L		0.02	0.02	1.4	119		Batch Quality Assurance data from another project	PR 80-120	DF=2
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 365.2	OrthoPhosphate as P	1.233	mg/L		0.02	0.02	1.5	41		DS,GB; see QACode Lookup list for complete definition, flagged by QAO	PR 80-120	DF=2
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 365.2	OrthoPhosphate as P	1.249	mg/L		0.02	0.02	1.5	45	1.3	DS,GB; see QACode Lookup list for complete definition, flagged by QAO	PR 80-120; RPD<25	DF=2
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 365.2	OrthoPhosphate as P	1.4985	mg/L		0.02	0.02	1.4	117	0.6	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=2
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 365.2	Phosphate as P	2.226	mg/L		0.02	0.02	3.8	19		DS,GB; see QACode Lookup list for complete definition, flagged by QAO	PR 80-120	DF=2

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Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 365.2	Phosphate as P	2.262	mg/L		0.02	0.02	3.8	21	1.6	DS,GB; see QACode Lookup list for complete definition, flagged by QAO	PR 80-120; RPD<25	DF=2
Prairie Flower Drain @ Crows Landing Rd	MS	1.00	02/11/07	12:05	EPA 200.8	Selenium	21.624	µg/L		0.9	1	22	99		None	PR 75-125	DF=1
Prairie Flower Drain @ Crows Landing Rd	MS	2.00	02/11/07	12:05	EPA 200.8	Selenium	21.097	µg/L		0.9	1	22	96	2.5	None	PR 75-125; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 200.8	Selenium	18.539	µg/L		0.9	1	20	93		Batch quality assurance from another project, parent sample not included in batch	PR 75-125	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 200.8	Selenium	19.404	µg/L		0.9	1	20	97	4.6	Batch quality assurance from another project, parent sample not included in batch	PR 75-125; RPD<25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	02/11/07	13:15	EPA 415.1	Total Organic Carbon	58.52	mg/L		0.3	0.5	59	95		None	PR 80-120	DF=1
Hilmar Drain @ Central Ave	MS	2.00	02/11/07	13:15	EPA 415.1	Total Organic Carbon	59.31	mg/L		0.3	0.5	59	102	1.3	None	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 415.1	Total Organic Carbon	42.4	mg/L		0.6	1	38	120		Batch Quality Assurance data from another project	PR 80-120	DF=2

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Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 415.1	Total Organic Carbon	42.04	mg/L		0.6	1	38	118	0.9	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=2
Highline Canal @ Lombardy Rd	MS	1.00	02/11/07	16:15	EPA 200.8	Zinc	27.802	µg/L		0.4	1	27	105		None	PR 75-125	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	02/11/07	16:15	EPA 200.8	Zinc	27.303	µg/L		0.4	1	27	102	1.8	None	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/11/07	0:00	EPA 200.8	Zinc	117.648	µg/L		0.4	1	119	93		Batch Quality Assurance data from another project	PR 75-125	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/11/07	0:00	EPA 200.8	Zinc	115.221	µg/L		0.4	1	119	81	2.1	Batch Quality Assurance data from another project	PR 75-125; RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	02/12/07	9:15	EPA 200.8	Arsenic	25.9	µg/L		0.3	0.5	27.3	93		None	PR 75-125	DF=1
Duck Slough @ Gurr Rd	MS	2.00	02/12/07	9:15	EPA 200.8	Arsenic	26.354	µg/L		0.3	0.5	27.3	95	1.7	None	PR 75-125; RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	02/12/07	9:15	EPA 200.8	Boron	34.232	µg/L		1	5	36	93		None	PR 75-125	DF=5
Duck Slough @ Gurr Rd	MS	2.00	02/12/07	9:15	EPA 200.8	Boron	34.483	µg/L		1	5	36	95	0.7	None	PR 75-125; RPD <25	DF=5
Duck Slough @ Gurr Rd	MS	1.00	02/12/07	9:15	EPA 200.8	Cadmium	21.199	µg/L		0.02	0.1	20.3	105		None	PR 75-125	DF=1
Duck Slough @ Gurr Rd	MS	2.00	02/12/07	9:15	EPA 200.8	Cadmium	21.997	µg/L		0.02	0.1	20.3	109	3.7	None	PR 75-125; RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	02/12/07	9:15	EPA 200.8	Copper	63.728	µg/L		0.3	0.5	66	87		None	PR 75-125	DF=1
Duck Slough @ Gurr Rd	MS	2.00	02/12/07	9:15	EPA 200.8	Copper	65.84	µg/L		0.3	0.5	66	97	3.3	None	PR 75-125; RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	02/12/07	9:15	EPA 200.8	Lead	36.625	µg/L		0.1	0.25	34	112		None	PR 75-125	DF=1

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Duck Slough @ Gurr Rd	MS	2.00	02/12/07	9:15	EPA 200.8	Lead	38.047	µg/L		0.1	0.25	34	120	3.8	None	PR 75-125; RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	02/12/07	9:15	EPA 200.8	Nickel	72.644	µg/L		0.4	0.5	75	89		None	PR 75-125	DF=1
Duck Slough @ Gurr Rd	MS	2.00	02/12/07	9:15	EPA 200.8	Nickel	74.307	µg/L		0.4	0.5	75	97	2.3	None	PR 75-125; RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	02/12/07	9:15	EPA 354.1	Nitrite as N	0.1392	mg/L		0.002	0.03	0.2095	65		Matrix spike recovery not within control limits	PR 80-120	DF=1
Duck Slough @ Gurr Rd	MS	2.00	02/12/07	9:15	EPA 354.1	Nitrite as N	0.1408	mg/L		0.002	0.03	0.2095	66	1.1	Matrix spike recovery not within control limits	PR 80-120; RPD<25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	02/12/07	9:15	EPA 351.3	Nitrogen, Total Kjeldahl	6.4036	mg/L		0.07	0.1	8.3	63		None	PR 80-120	DF=1
Duck Slough @ Gurr Rd	MS	2.00	02/12/07	9:15	EPA 351.3	Nitrogen, Total Kjeldahl	8.0512	mg/L		0.07	0.1	8.3	96	23	None	PR 80-120; RPD<25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	02/12/07	9:15	EPA 365.2	OrthoPhosphate as P	0.3128	mg/L		0.01	0.01	0.32	95		None	PR 80-120	DF=1
Duck Slough @ Gurr Rd	MS	2.00	02/12/07	9:15	EPA 365.2	OrthoPhosphate as P	0.3112	mg/L		0.01	0.01	0.32	95	0.5	None	PR 80-120; RPD<25	DF=1
Bear Creek @ Kibby Rd	MS	1.00	02/12/07	12:40	EPA 365.2	Phosphate as P	1.265	mg/L		0.01	0.01	1.28	98		None	PR 80-120	DF=1
Bear Creek @ Kibby Rd	MS	2.00	02/12/07	12:40	EPA 365.2	Phosphate as P	1.255	mg/L		0.01	0.01	1.28	97	0.8	None	PR 80-120; RPD<25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	02/12/07	9:15	EPA 200.8	Selenium	12.65	µg/L		0.9	1	20	63		Matrix spike recovery not within control limits	PR 75-125	DF=1
Duck Slough @ Gurr Rd	MS	2.00	02/12/07	9:15	EPA 200.8	Selenium	12.651	µg/L		0.9	1	20	63	0	Matrix spike recovery not within control limits	PR 75-125; RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	02/12/07	9:15	EPA 415.1	Total Organic Carbon	16.61	mg/L		0.3	0.5	16.5	101		None	PR 80-120	DF=1

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Duck Slough @ Gurr Rd	MS	2.00	02/12/07	9:15	EPA 415.1	Total Organic Carbon	16.55	mg/L		0.3	0.5	16.5	100	0.4	None	PR 80-120; RPD<25	DF=1
Merced River @ Santa Fe	MS	1.00	02/12/07	9:20	EPA 415.1	Total Organic Carbon	16.57	mg/L		0.3	0.5	16.8	98		None	PR 80-120	DF=1
Merced River @ Santa Fe	MS	2.00	02/12/07	9:20	EPA 415.1	Total Organic Carbon	16.55	mg/L		0.3	0.5	16.8	98	0.1	None	PR 80-120; RPD<25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	02/12/07	9:15	EPA 200.8	Zinc	97.434	µg/L		0.4	1	100	85		None	PR 75-125	DF=1
Duck Slough @ Gurr Rd	MS	2.00	02/12/07	9:15	EPA 200.8	Zinc	100.488	µg/L		0.4	1	100	100	3.1	None	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/27/07	0:00	EPA 415.1	Total Organic Carbon	13.63	mg/L		0.3	0.5	13.8	99		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/27/07	0:00	EPA 415.1	Total Organic Carbon	13.59	mg/L		0.3	0.5	13.8	98	0.3	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 350.2	Ammonia as N	8.7981	mg/L		0.04	0.1	9	96		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 350.2	Ammonia as N	8.6882	mg/L		0.04	0.1	9	94	1.3	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 200.8	Arsenic	34.673	µg/L		0.3	0.5	32	115		Batch Quality Assurance data from another project	PR 75-125	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 200.8	Arsenic	33.845	µg/L		0.3	0.5	32	110	2.4	Batch Quality Assurance data from another project	PR 75-125; RPD <25	DF=1

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Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	MS	1.00	02/28/07	13:55	EPA 200.8	Boron	28.364	µg/L		0.9	1	30	92		None	PR 75-125	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	02/28/07	13:55	EPA 200.8	Boron	30.198	µg/L		0.9	1	30	101	6.3	None	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 200.8	Cadmium	20.242	µg/L		0.02	0.1	20.03	101		Batch Quality Assurance data from another project	PR 75-125	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 200.8	Cadmium	19.779	µg/L		0.02	0.1	20.03	99	2.3	Batch Quality Assurance data from another project	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 200.8	Copper	21.728	µg/L		0.3	0.5	21.9	99		Batch Quality Assurance data from another project	PR 75-125	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 200.8	Copper	21.731	µg/L		0.3	0.5	21.9	99	0	Batch Quality Assurance data from another project	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 130.2	Hardness as CaCO3	212	mg/L		6	10	200	106		Batch Quality Assurance data from another project	PR 80-120	DF=2
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 130.2	Hardness as CaCO3	208	mg/L		6	10	200	104	1.9	Batch Quality Assurance data from another project	PR 80-120; RPD <25	DF=2
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 200.8	Lead	21.52	µg/L		0.1	0.25	20.28	106		Batch Quality Assurance data from another project	PR 75-125	DF=1

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Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 200.8	Lead	21.448	µg/L		0.1	0.25	20.28	106	0.3	Batch Quality Assurance data from another project	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 200.8	Nickel	25.522	µg/L		0.4	0.5	24.6	105		Batch Quality Assurance data from another project	PR 75-125	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 200.8	Nickel	25.191	µg/L		0.4	0.5	24.6	103	1.3	Batch Quality Assurance data from another project	PR 75-125; RPD <25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 300.0	Nitrate as N	5.062	mg/L		0.006	0.05	5	101		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 300.0	Nitrate as N	5.051	mg/L		0.006	0.05	5	101	0.2	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 354.1	Nitrite as N	0.205	mg/L		0.002	0.03	0.2	103		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 354.1	Nitrite as N	0.202	mg/L		0.002	0.03	0.2	101	1.5	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	6.8759	mg/L		0.07	0.1	6.9	100		Batch Quality Assurance data from another project	PR 80-120	DF=1

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Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.9537	mg/L		0.07	0.1	5	99		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	7.0297	mg/L		0.07	0.1	6.9	103	2.2	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.5803	mg/L		0.07	0.1	5	92	7.8	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 365.2	OrthoPhosphate as P	0.2	mg/L		0.01	0.01	0.214	93		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 365.2	OrthoPhosphate as P	0.202	mg/L		0.01	0.01	0.214	94	1	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 365.2	Phosphate as P	0.95	mg/L		0.01	0.01	1.018	93		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 365.2	Phosphate as P	0.956	mg/L		0.01	0.01	1.018	94	0.6	Batch Quality Assurance data from another project	PR 80-120; RPD<25	DF=1
Merced River @ Santa Fe	MS	1.00	02/28/07	15:45	EPA 200.8	Selenium	20.046	µg/L		0.9	1	20	100		None	PR 75-125	DF=1
Merced River @ Santa Fe	MS	2.00	02/28/07	15:45	EPA 200.8	Selenium	19.631	µg/L		0.9	1	20	98	2.1	None	PR 75-125; RPD <25	DF=1

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Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	02/28/07	14:10	EPA 415.1	Total Organic Carbon	12.98	mg/L		0.3	1	13	100		None	PR 80-120	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	02/28/07	14:10	EPA 415.1	Total Organic Carbon	12.62	mg/L		0.3	1	13	96	2.8	None	PR 80-120; RPD<25	DF=1
Non Ag Waiver QA Sample	MS	1.00	02/28/07	0:00	EPA 200.8	Zinc	22.106	µg/L		0.4	1	23	94		Batch Quality Assurance data from another project	PR 75-125	DF=1
Non Ag Waiver QA Sample	MS	2.00	02/28/07	0:00	EPA 200.8	Zinc	22.038	µg/L		0.4	1	23	94	0.3	Batch Quality Assurance data from another project	PR 75-125; RPD <25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 350.2	Ammonia as N	4.767	mg/L		0.04	0.1	5	95		None	PR 80-120	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 350.2	Ammonia as N	4.8988	mg/L		0.04	0.1	5	98	2.7	None	PR 80-120; RPD<25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 200.8	Arsenic	20.667	µg/L		0.3	0.5	21.1	98		None	PR 75-125	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 200.8	Arsenic	20.66	µg/L		0.3	0.5	21.1	98	0	None	PR 75-125; RPD <25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 200.8	Boron	27	µg/L		0.9	1	30	83		None	PR 75-125	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 200.8	Boron	26.693	µg/L		0.9	1	30	84	0.2	None	PR 75-125; RPD <25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 200.8	Cadmium	20.381	µg/L		0.02	0.1	20.07	102		None	PR 75-125	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 200.8	Cadmium	20.309	µg/L		0.02	0.1	20.07	101	0.4	None	PR 75-125; RPD <25	DF=1

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Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 200.8	Copper	37.295	µg/L		0.3	0.5	33	124		None	PR 75-125	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 200.8	Copper	36.039	µg/L		0.3	0.5	33	118	3.4	None	PR 75-125; RPD <25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 130.2	Hardness as CaCO3	178	mg/L		3	5	178	100		None	PR 80-120	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 130.2	Hardness as CaCO3	180	mg/L		3	5	178	102	1.1	None	PR 80-120; RPD <25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 200.8	Lead	26.239	µg/L		0.1	0.25	22.6	118		None	PR 75-125	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 200.8	Lead	25.911	µg/L		0.1	0.25	22.6	117	1.3	None	PR 75-125; RPD <25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 200.8	Nickel	36.44	µg/L		0.4	0.5	29.9	133		Matrix spike recovery not within control limits	PR 75-125	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 200.8	Nickel	34.97	µg/L		0.4	0.5	29.9	126	4.1	Matrix spike recovery not within control limits	PR 75-125; RPD <25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 300.0	Nitrate as N	5.785	mg/L		0.006	0.05	5.83	99		None	PR 80-120	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 300.0	Nitrate as N	5.819	mg/L		0.006	0.05	5.83	100	0.6	None	PR 80-120; RPD <25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 354.1	Nitrite as N	0.203	mg/L		0.002	0.03	0.209	97		None	PR 80-120	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 354.1	Nitrite as N	0.204	mg/L		0.002	0.03	0.209	98	0.5	None	PR 80-120; RPD <25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 351.3	Nitrogen, Total Kjeldahl	5.5468	mg/L		0.07	0.1	5.53	100		None	PR 80-120	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Station Name	Sample Type	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 351.3	Nitrogen, Total Kjeldahl	5.6567	mg/L		0.07	0.1	5.53	103	2	None	PR 80-120; RPD<25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 365.2	OrthoPhosphate as P	0.273	mg/L		0.01	0.01	0.278	98		None	PR 80-120	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 365.2	OrthoPhosphate as P	0.268	mg/L		0.01	0.01	0.278	95	1.8	None	PR 80-120; RPD<25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 365.2	Phosphate as P	1.122	mg/L		0.01	0.01	1.19	94		None	PR 80-120	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 365.2	Phosphate as P	1.14	mg/L		0.01	0.01	1.19	95	1.6	None	PR 80-120; RPD<25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 200.8	Selenium	20.468	µg/L		0.9	1	21	98		None	PR 75-125	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 200.8	Selenium	20.326	µg/L		0.9	1	21	97	0.7	None	PR 75-125; RPD <25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 415.1	Total Organic Carbon	12.91	mg/L		0.3	1	11.4	116		None	PR 80-120	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 415.1	Total Organic Carbon	12.88	mg/L		0.3	1	11.4	115	0.2	None	PR 80-120; RPD<25	DF=1
Jones Drain @ Oakdale Rd	MS	1.00	03/01/07	9:30	EPA 200.8	Zinc	55.053	µg/L		0.4	1	56	95		None	PR 75-125	DF=1
Jones Drain @ Oakdale Rd	MS	2.00	03/01/07	9:30	EPA 200.8	Zinc	51.514	µg/L		0.4	1	56	77	6.6	None	PR 75-125; RPD <25	DF=1

E = Environmental sample FD = Field Duplicate sample FB = Field Blank sample QA = Quality Assurance MS = Matrix Spike PR = Percent Recovery RPD = Relative Percent Difference FD RPD = Relative Percent Difference between the environmental sample and the field duplicate NA = Not Applicable MDL = Minimum Detection Limit RL = Reporting Limit ND = Not Detected; Below minimum detection limit DNQ = Detected but Not Quantifiable; Detected between the MDL and RL

Table III-5. ESJWQC toxicity testing results for *Ceriodaphnia dubia*, *Pimephales promelas*, *Selenastrum capricornutum* and *Hyalella azteca* for QA samples collected during the storm season 2006/2007.

Re-samples (RS) were collected within 72 hrs of being notified that the original sample was toxic. Toxicity tests are initiated within 36 hours of sampling and re-tests (RT) are performed if lab controls do not meet method test criteria (see toxicity test comments). Data sorted by station name, species and sample date.

Station Name	Sample Date	Sample Time	Matrix	Sample Code	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Quality Assurance Criteria	Toxicity Test Comments
Duck Slough @ Gurr Rd	2/12/2007	9:15	water	FD	2/13/2007	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	RPD ≤ 25	RPD 5.1
Duck Slough @ Gurr Rd	2/12/2007	9:15	water	FD	2/13/2007	<i>Pimephales promelas</i>	Survival (%)	97.5	100	102.6	NSG	RPD ≤ 25	RPD 0
Duck Slough @ Gurr Rd	2/12/2007	9:15	water	FD	2/13/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	780500	1972500	252.7	NSG	RPD ≤ 25	RPD 4
Jones Drain @ Oakdale Rd	3/7/2007	11:10	sediment	FD	3/17/2007	<i>Hyalella azteca</i>	Survival (%)	95	90	95	NSG	RPD ≤ 25	RPD 2.7
Jones Drain @ Oakdale Rd	3/1/2007	9:30	water	FD	3/2/2007	<i>Pimephales promelas</i>	Survival (%)	100	87.5	87.5	NSG	RPD ≤ 25	RPD 5.6
Jones Drain @ Oakdale Rd	3/1/2007	9:30	water	FD	3/2/2007	<i>Selenastrum capricornutum</i>	Total Cell Count	1007000	1309750	130.065	NSG	RPD ≤ 25	RPD 0.3

E = Environmental sample RS = Re-sample FD = Field Duplicate NSG = not statistically different from control and result is greater than 80% threshold SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample CV = coefficient of variation
TIE = Toxic Identification Evaluation

SEMI-ANNUAL MONITORING REPORT STORM 2007

(Appendix IV)

Pesticide Use Reports

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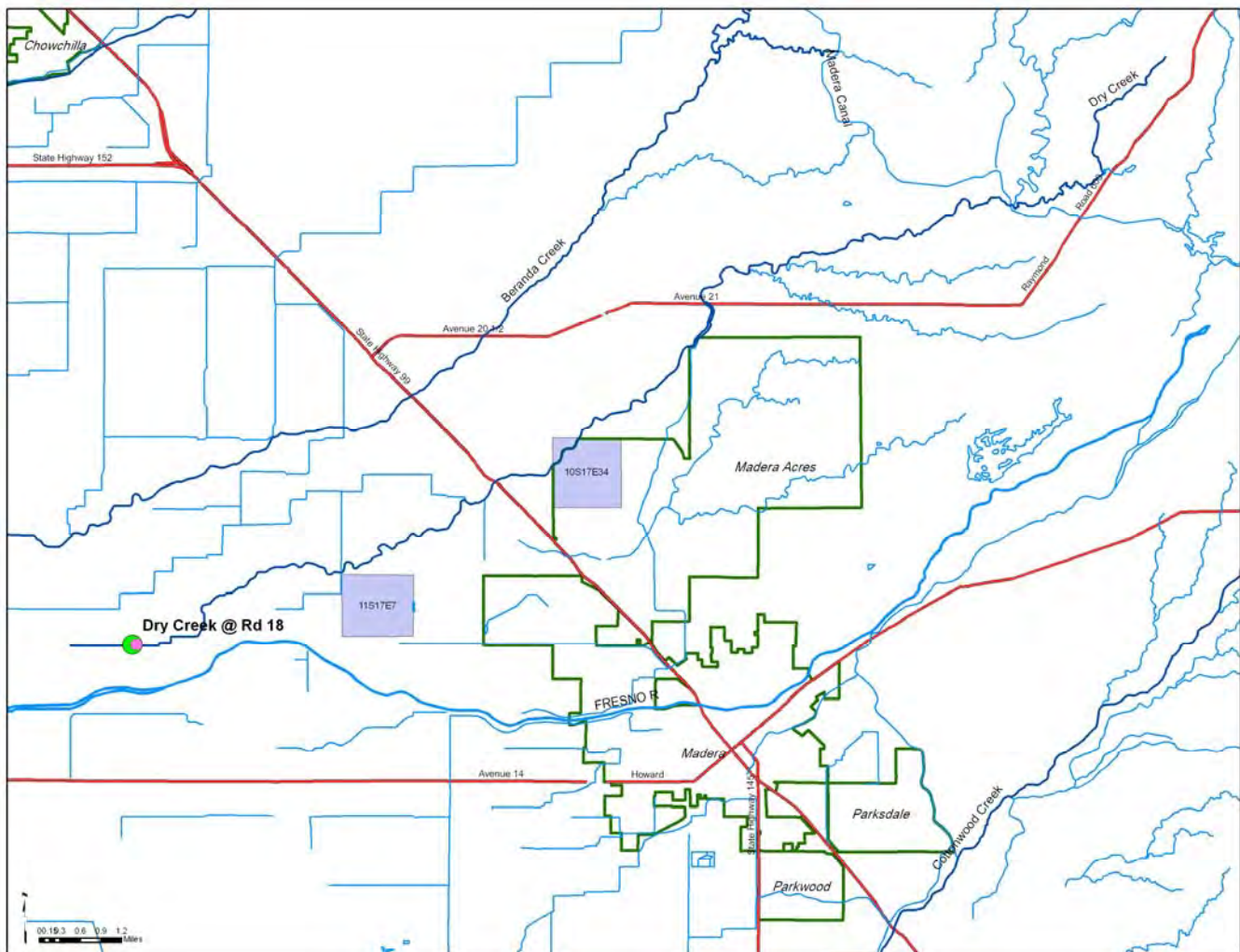
Pesticide Use Reports for pesticide exceedances in the water column

Dry Creek @ Rd 18 – storm 1 (2/11/07) – diazinon exceedance

Table IV-1. Diazinon use for Dry Creek @ Rd 18 site subwatershed – storm 1.

Commodity	Date applied	Application Method	Product name	AI	Quantity used	Unit	Acres treated	TRS
ALMOND	1/17/07	G	CLEAN CROP DIAZINON AG500 INSECTICIDE	DIAZINON	35	GA	70	10S17E34
APRICOT	1/19/07	G	DIAZINON AG 500	DIAZINON	9.5	GA	19	11S17E7

Figure IV-1. Location of Diazinon use for Dry Creek @ Rd 18 site subwatershed – storm 1.

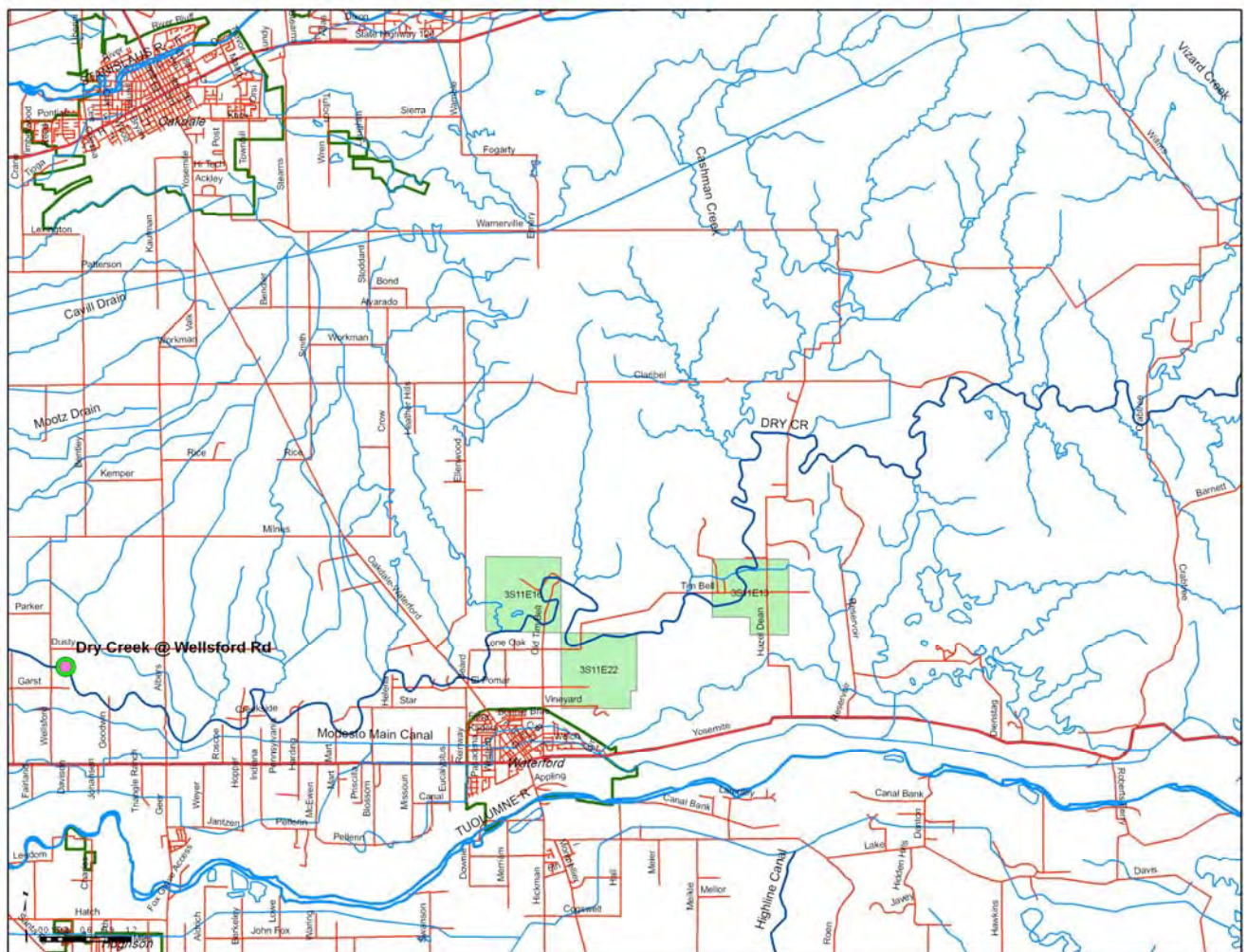


Dry Creek @ Wellsford Rd – storm 1 (2/11/07) – diuron exceedance

Table IV-2. Diuron use for Dry Creek @ Wellsford Rd site subwatershed – storm 1.

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
WALNUT	1/25/07	G	DIREX 4L	DIURON	44	GA	136	3S11E13
WALNUT	2/10/07	G	DIREX 4L	DIURON	7.5	GA	40	3S11E16
WALNUT	1/9/07	G	DIREX 4L	DIURON	50	QT	20	3S11E22

Figure IV-2. Location of Diuron use for Dry Creek @ Wellsford Rd site subwatershed – storm 1.

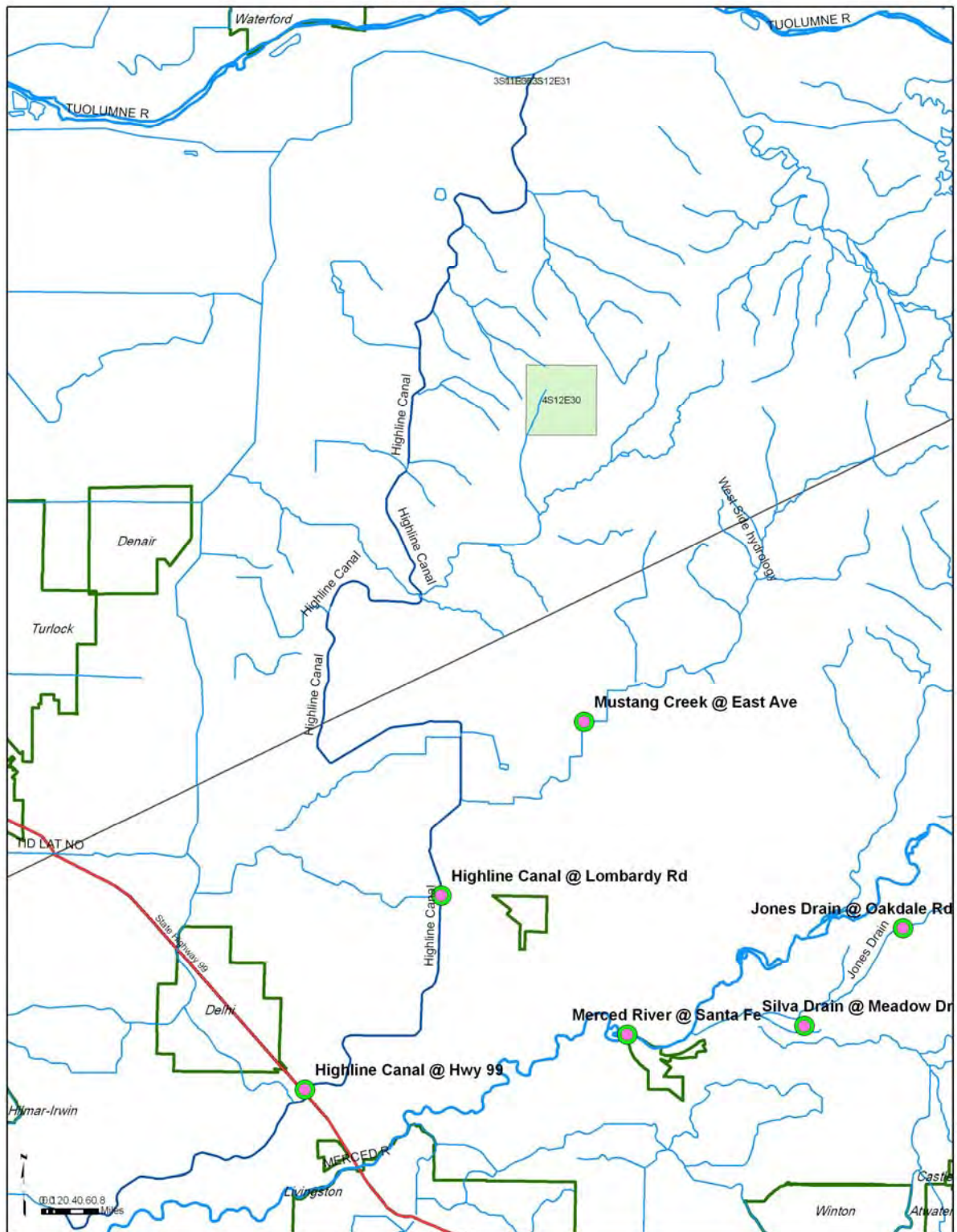


Highline Canal @ Hwy 99 – storm 1 (2/11/07) – diuron exceedance

Table IV-3. Diuron use for Highline Canal @ Hwy 99 site subwatershed – storm 1 (Stanislaus County).

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALFALFA	1/30/07	G	DIREX 4L	DIURON	110	QT	55	3S11E36
WALNUT	2/9/07	G	DIREX 4L	DIURON	64	PT	22	3S12E31
WALNUT	2/13/07	G	DIREX 4L	DIURON	72	PT	24	3S12E31
ALFALFA	1/26/07	G	DIREX 4L	DIURON	40	PT	10	4S11E10
WALNUT	1/16/07	G	DREXEL DIURON 4L HERBICIDE	DIURON	2	PT	14.35	4S12E30

Figure IV-3. Location of diuron use for Highline Canal @ Hwy 99 site subwatershed – storm 1.



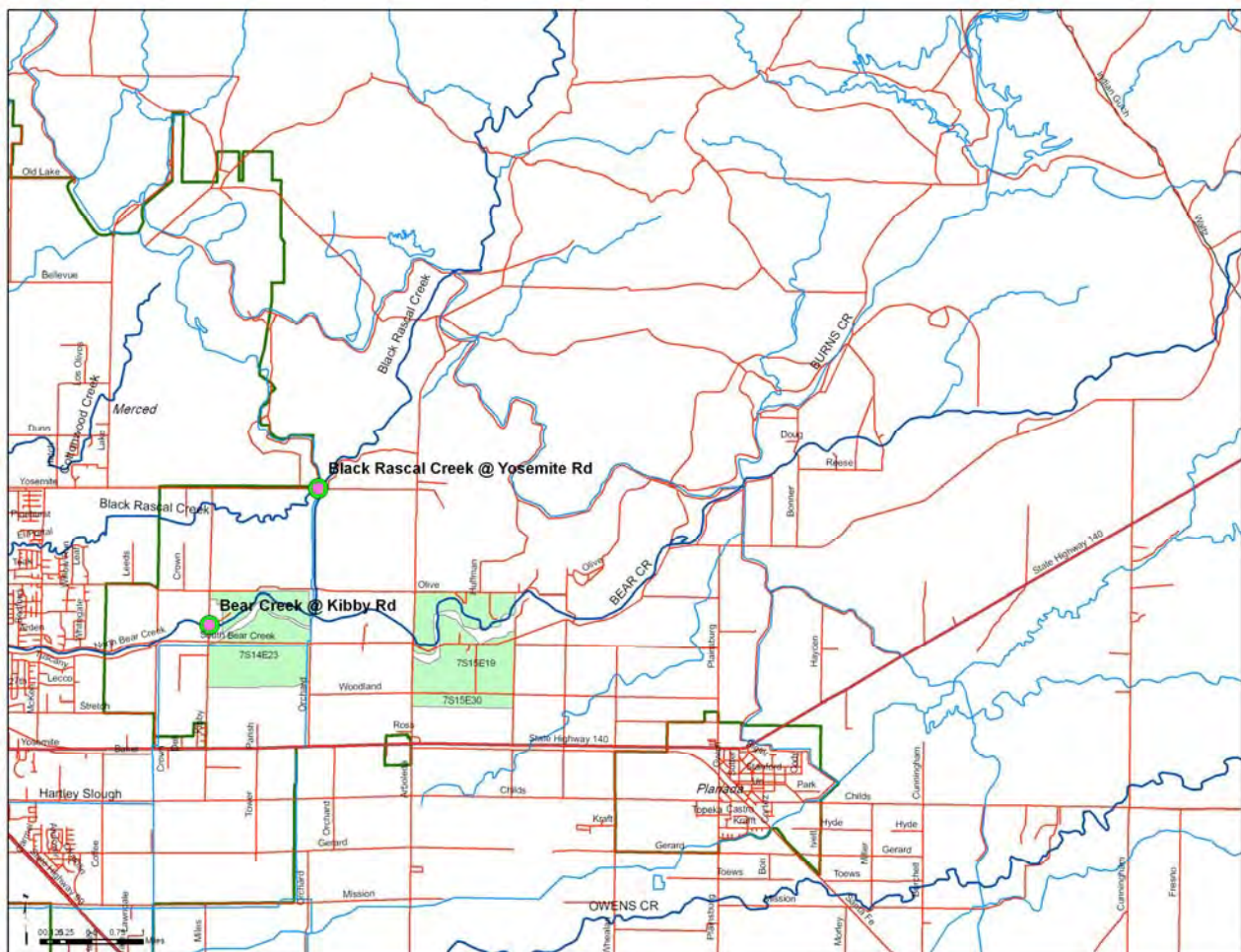
Pesticide Use Reports for metal exceedances in the water column

Bear Creek @ Kibby Rd – storm 1 (2/12/07) – copper exceedance

Table IV-4. Copper use for Bear Creek @ Kibby Rd site subwatershed – storm 1.

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
PEACH	1/20/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	900	LB	90	7S14E23
ALMOND	1/21/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	400	LB	100	7S15E19
PEACH	1/21/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	765	LB	85	7S15E19
PEACH	2/3/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	870	LB	116.91	7S15E30

Figure IV-4. Location for copper use for Bear Creek @ Kibby Rd site subwatershed – storm 1.

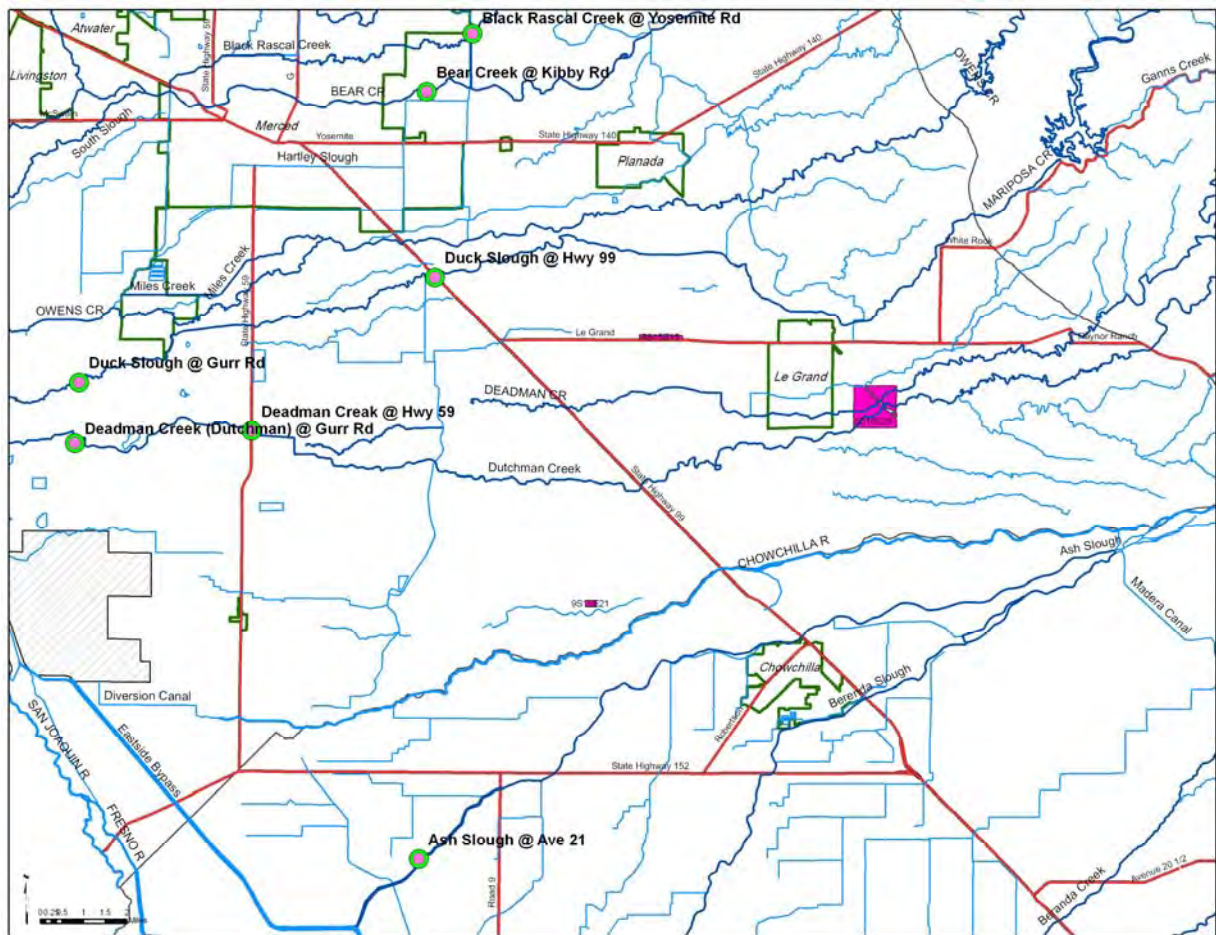


Deadman Creek @ Gurr Rd – storm 1 (2/11/07) – copper exceedance

Table IV-5. Copper use for Deadman Creek @ Gurr Rd site subwatershed – storm 1.

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
APRICOT	1/2/07	G	BASIC COPPER 53		60	LB	6	8S15E15
NECTARINE	1/4/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	100	LB	10	8S15E15
PEACH	1/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	200	LB	20	8S15E15
ALMOND	1/19/07	G	KOCIDE 2000	COPPER HYDROXIDE	6	LB	24.4	9S15E21
ALMOND	1/19/07	G	KOCIDE 2000	COPPER HYDROXIDE	6	LB	29.6	9S15E21
ALMOND	1/19/07	G	KOCIDE 2000	COPPER HYDROXIDE	6	LB	5.4	9S15E21
ALMOND	2/1/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	108	LB	18	8S16E28

Figure IV-5. Location of copper use for Deadman Creek @ Gurr Rd site subwatershed – storm 1.



Dry Creek @ Rd 18 – storm 1 (2/11/07) – copper exceedance

Table IV-6. Copper use for Dry Creek @ Rd 18 site subwatershed – storm 1.

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
N-GRNHS FLOWER	1/10/07	G	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	25.6	OZ	0.82	10S16E36
N-GRNHS FLOWER	1/25/07	G	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	31	OZ	1.1	10S16E36
N-GRNHS FLOWER	2/7/07	G	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	56	OZ	0.13	10S16E36
OLIVE	1/8/07	G	KOCIDE 2000	COPPER HYDROXIDE	180	LB	20	10S17E12
ALMOND	2/5/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	480	LB	160	10S17E12
ALMOND	1/11/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	320	LB	80	10S17E22
ALMOND	1/18/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	80	LB	40	10S17E22
ALMOND	1/20/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	100	LB	50	10S17E22
ALMOND	2/6/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	60	LB	30	10S17E26
ALMOND	1/22/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	48	LB	8	10S17E28
ALMOND	1/22/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	120	LB	20	10S17E28
ALMOND	1/22/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	4	GA	10	10S17E28
	1/16/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	352	LB	44	10S17E31
ALMOND	1/17/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	525	LB	70	10S17E34
FIG	2/8/07	G	TRIANGLE BRAND BASIC COPPER SULFATE	COPPER SULFATE (BASIC)	66.67	LB	40	10S18E23
FIG	2/8/07	G	TRIANGLE BRAND BASIC COPPER SULFATE	COPPER SULFATE (BASIC)	66.67	LB	40	10S18E23
FIG	2/8/07	G	TRIANGLE BRAND BASIC COPPER SULFATE	COPPER SULFATE (BASIC)	66.67	LB	40	10S18E23
ALMOND	2/8/07	G	TRIANGLE BRAND BASIC COPPER SULFATE	COPPER SULFATE (BASIC)	200	LB	200	10S18E23
FIG	2/8/07	G	TRIANGLE BRAND BASIC COPPER SULFATE	COPPER SULFATE (BASIC)	66.67	LB	40	10S18E24
FIG	2/8/07	G	TRIANGLE BRAND BASIC COPPER SULFATE	COPPER SULFATE (BASIC)	66.67	LB	40	10S18E24
FIG	2/8/07	G	TRIANGLE BRAND BASIC COPPER SULFATE	COPPER SULFATE (BASIC)	66.67	LB	40	10S18E25
ALMOND	1/5/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	575	LB	115	11S16E10
PEACH	1/2/07	G	NU-COP 50DF	COPPER HYDROXIDE	104	LB	13	11S16E11
ALMOND	1/6/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	444.4	LB	101	11S16E11
ALMOND	1/24/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	300	LB	76	11S16E11
ALMOND	1/9/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	318.5	LB	91	11S16E12
ALMOND	1/7/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	480	LB	160	11S16E15
ALMOND	1/6/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	575	LB	115	11S16E16
ALMOND	1/8/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	775	LB	155	11S16E16
ALMOND	1/10/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	225	LB	78	11S16E16
ALMOND	1/20/07	G	KOCIDE DF	COPPER HYDROXIDE	200	LB	40	11S16E16

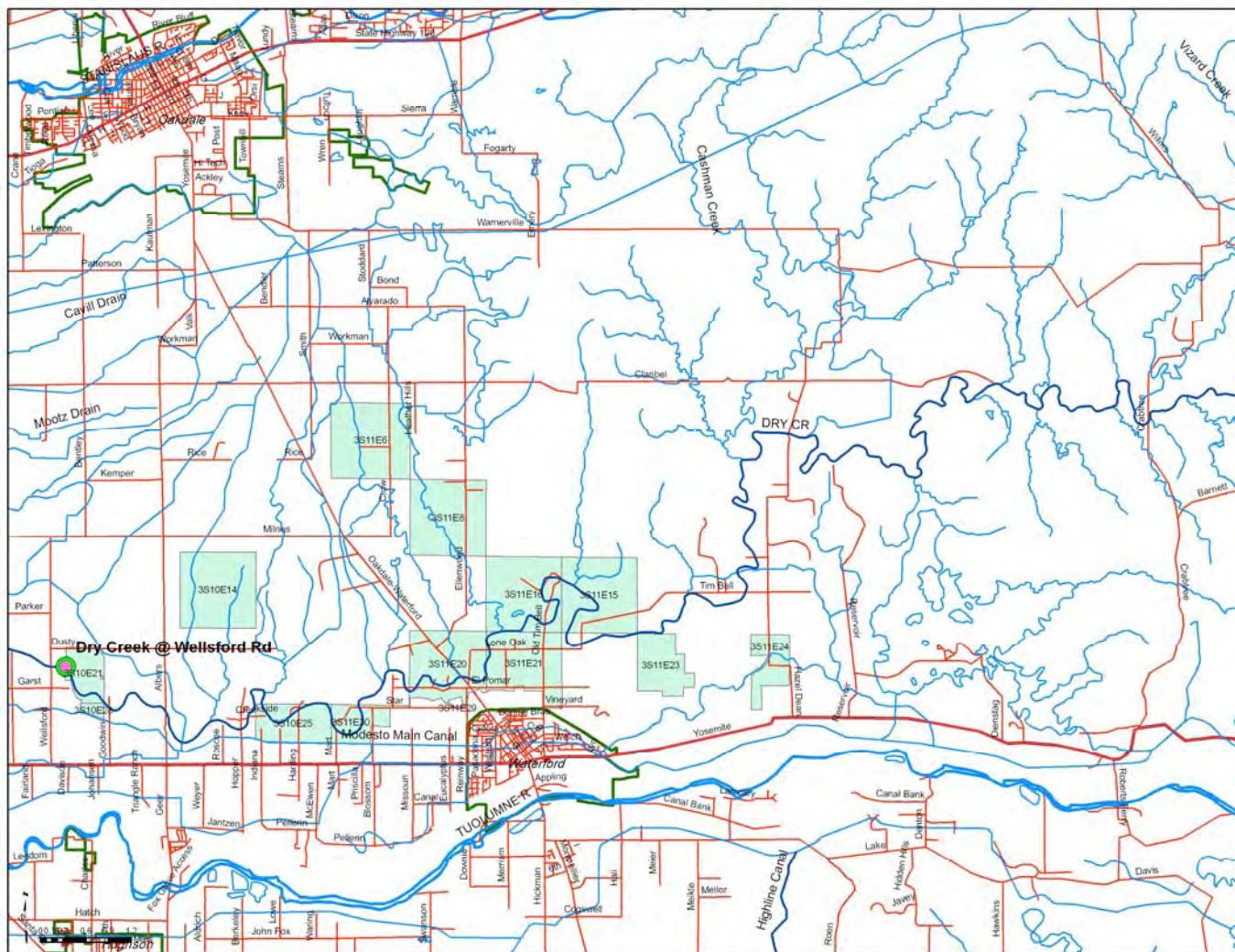
Dry Creek @ Wellsford Rd – storm 2 (2/28/07) – copper exceedance

Table IV-7. Dry Creek @ Wellsford Rd – storm 2 (2/28/07) – copper exceedance

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/1/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	120	LB	20	3S10E14
ALMOND	2/25/07	G	KOCIDE 2000	COPPER HYDROXIDE	20	LB	20	3S10E14
PLUM	1/31/07	G	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	40	LB	4	3S10E21
PLUM	1/31/07	G	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	50	LB	5	3S10E21
PEACH	1/31/07	G	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	50	LB	5	3S10E21
NECTARINE	1/31/07	G	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	200	LB	20	3S10E21
ALMOND	2/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	40	QT	20	3S10E25
ALMOND	2/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	10	QT	5	3S10E25
CHERRY	2/13/07	G	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	140	LB	17.5	3S10E28
PEACH PROCESSNG	2/18/07	G	KOCIDE DF	COPPER HYDROXIDE	28	LB	28	3S10E28
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	160	PT	40	3S10E28
ALMOND	1/6/07	G	NU-COP 50DF	COPPER HYDROXIDE	2440	LB	430	3S11E15
ALMOND	1/8/07	G	NU-COP 50DF	COPPER HYDROXIDE	240	LB	35	3S11E15
ALMOND	1/5/07	G	NU-COP 50DF	COPPER HYDROXIDE	1920	LB	242	3S11E16
ALMOND	2/21/07	G	KOCIDE DF	COPPER HYDROXIDE	10	LB	10	3S11E20
ALMOND	2/22/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	19.95	QT	15	3S11E21
ALMOND	1/23/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	360	LB	60	3S11E23
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	16	QT	16	3S11E23
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	480	PT	120	3S11E23
ALMOND	2/27/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	168	QT	84	3S11E24
PEACH	2/21/07	G	KOCIDE 2000	COPPER HYDROXIDE	35	LB	7	3S11E29
ALMOND	2/23/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	4.5	GA	10	3S11E29
ALMOND	2/23/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	3	GA	5	3S11E29
ALMOND	2/26/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	80	QT	40	3S11E29
ALMOND	2/26/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	70	QT	35	3S11E29
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	19	QT	18	3S11E29
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	75	QT	37.5	3S11E29
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	20	QT	20	3S11E29
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	30	QT	15	3S11E29
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	36	QT	36	3S11E29
ALMOND	1/15/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	120	PT	20	3S11E30
ALMOND	2/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	40	QT	20	3S11E30
ALMOND	2/26/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	35	QT	17.5	3S11E30
ALMOND	2/26/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	36	QT	18	3S11E30
ALMOND	2/26/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	36	QT	18	3S11E30
ALMOND	2/27/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	20	QT	10	3S11E30
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	70	QT	35	3S11E30
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	52	QT	26	3S11E30
ALMOND	1/22/07	G	KOCIDE 2000	COPPER HYDROXIDE	375	LB	100	3S11E6
ALMOND	1/23/07	G	KOCIDE 2000	COPPER HYDROXIDE	187.5	LB	56	3S11E6
ALMOND	1/23/07	G	KOCIDE 2000	COPPER HYDROXIDE	187.5	LB	55	3S11E6

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/20/07	G	NU-COP 50DF	COPPER HYDROXIDE	48	LB	24	3S11E8

Figure IV-7. Location of copper use for Dry Creek @ Wellsford Rd site subwatershed– storm 2

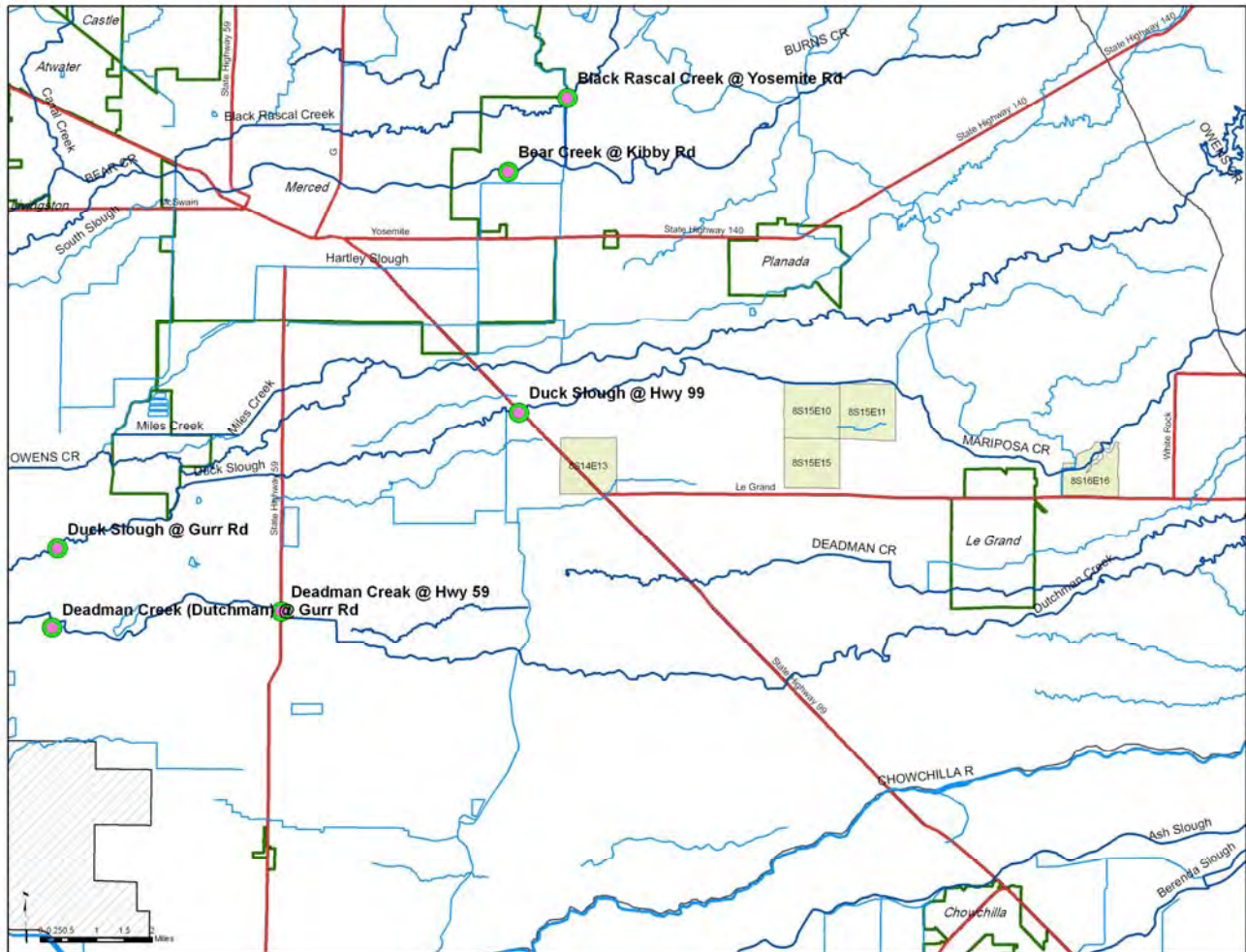


Duck Slough @ Gurr Rd – storm 1 (2/12/07) – copper exceedance

Table IV-8. Duck Slough @ Gurr Rd – storm 1 (2/12/07) – copper exceedance

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
PEACH	1/9/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	320	LBS	32	8S14E13
PEACH	1/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	200	LBS	20	8S15E10
PEACH	1/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	500	LBS	50	8S15E10
NECTARINE	2/7/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	3.75	LBS	50	8S15E10
PLUM	2/5/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	150	LBS	20	8S15E11
NECTARINE	2/6/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	75	LBS	10	8S15E11
APRICOT	1/2/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	60	LBS	6	8S15E15
NECTARINE	1/4/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	100	LBS	10	8S15E15
PEACH	1/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	200	LBS	20	8S15E15
ALMOND	1/6/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	238	LBS	70	8S16E16

Figure IV-8. Location of copper use for Duck Slough @ Gurr Rd site subwatershed – storm 1

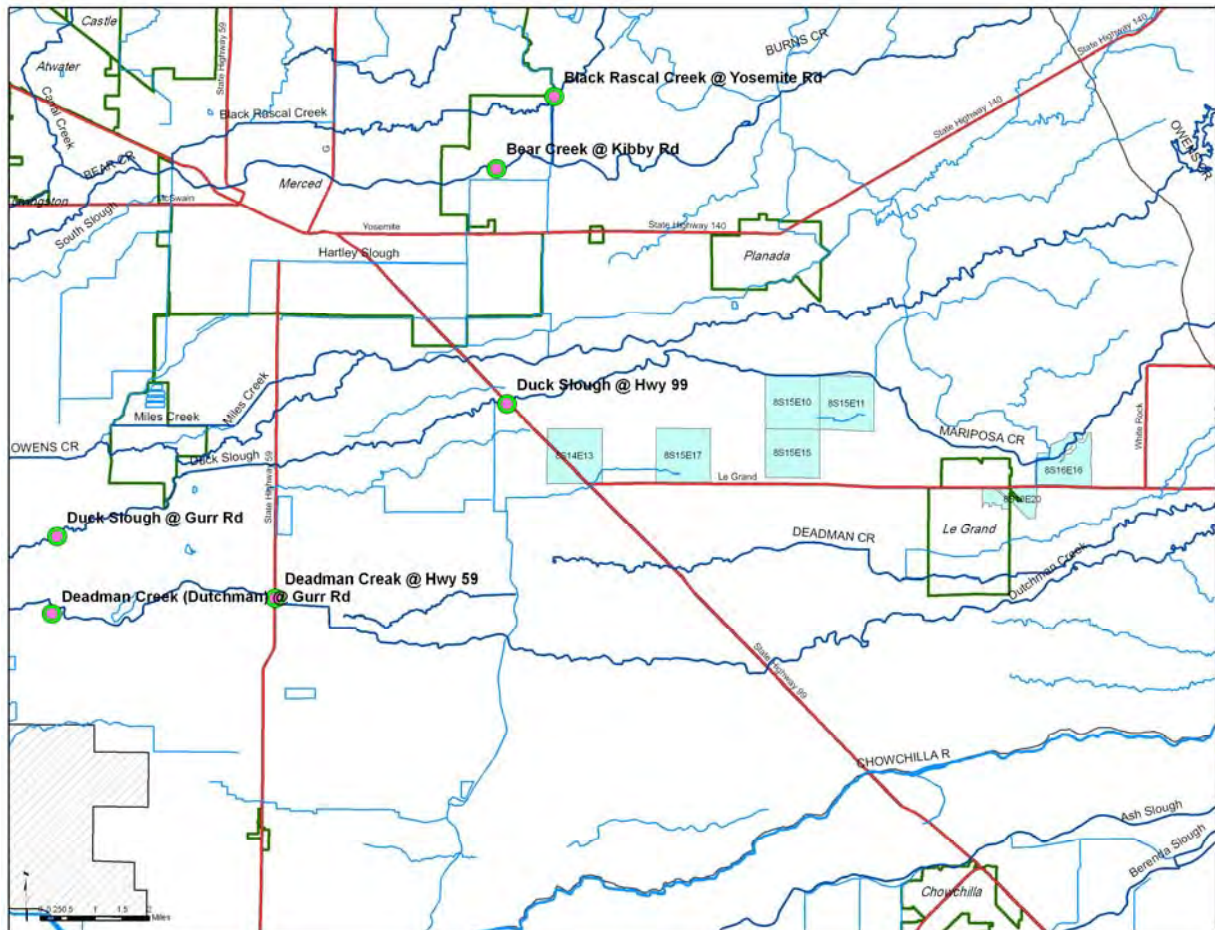


Duck Slough @ Gurr Rd – storm 2 (2/28/07) – copper exceedance

Table IV-9. Duck Slough @ Gurr Rd – storm 2 (2/28/07) – copper exceedance

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
PEACH	1/9/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	320	LBS	32	8S14E13
PEACH	1/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	200	LBS	20	8S15E10
PEACH	1/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	500	LBS	50	8S15E10
NECTARINE	2/7/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	3.75	LBS	50	8S15E10
PLUM	2/5/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	150	LBS	20	8S15E11
NECTARINE	2/6/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	75	LBS	10	8S15E11
APRICOT	1/2/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	60	LBS	6	8S15E15
NECTARINE	1/4/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	100	LBS	10	8S15E15
PEACH	1/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	200	LBS	20	8S15E15
ALMOND	2/21/07	G	KOCIDE 101	COPPER HYDROXIDE	20	LBS	15	8S15E17
ALMOND	2/26/07	G	KOCIDE 101	COPPER HYDROXIDE	40	LBS	20	8S15E17
ALMOND	2/28/07	G	KOCIDE 101	COPPER HYDROXIDE	60	LBS	30	8S15E17
ALMOND	1/6/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	238	LBS	70	8S16E16
ALMOND	2/22/07	G	KOCIDE DF	COPPER HYDROXIDE	72.5	LBS	58	8S16E20

Figure IV-9. Location of copper use for Duck Slough @ Gurr Rd site subwatershed – storm 2

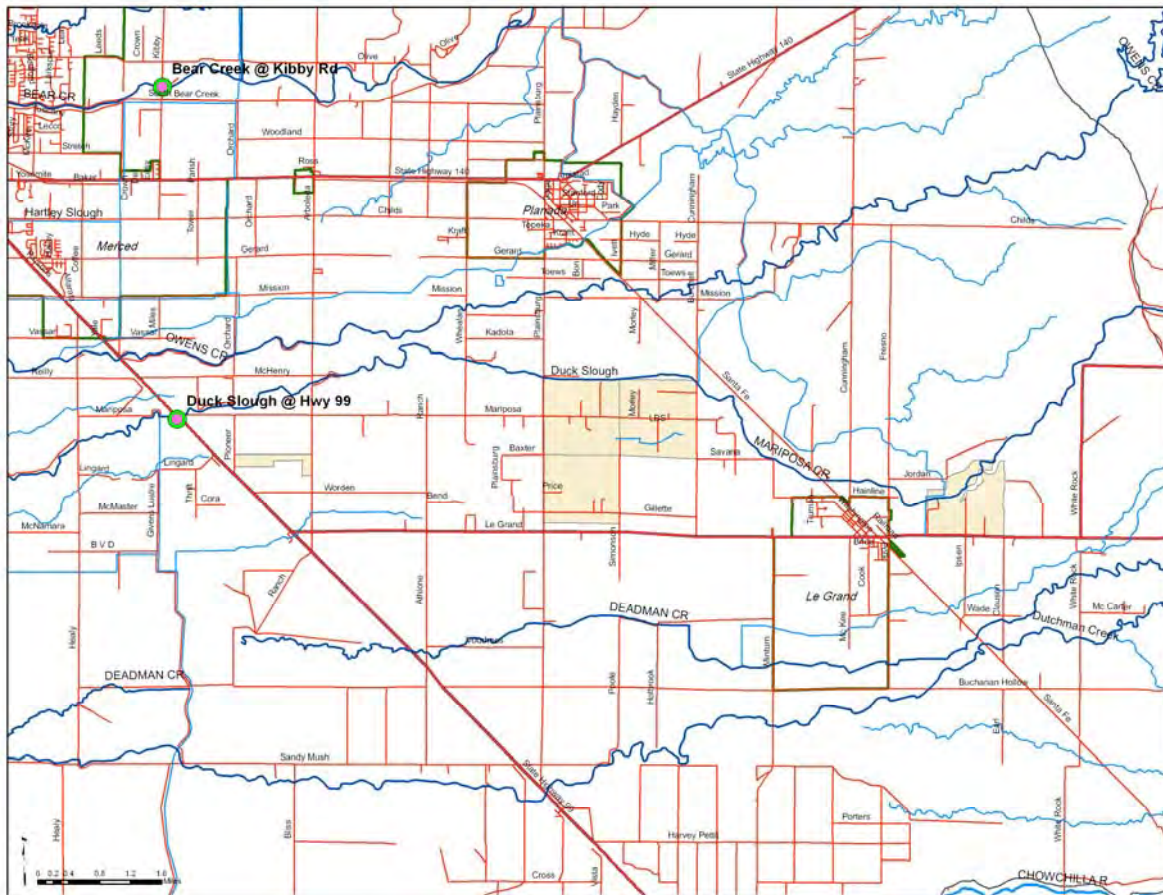


Duck Slough @ Hwy 99 – storm 1 (2/12/07) – copper exceedance

Table IV-10. Duck Slough @ Hwy 99 – storm 1 (2/12/07) – copper exceedance

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
PEACH	1/9/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	320	LB	32	8S14E13
PEACH	1/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	500	LB	50	8S15E10
PEACH	1/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	200	LB	20	8S15E10
NECTARINE	2/7/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	3.75	LB	50	8S15E10
NECTARINE	2/6/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	75	LB	10	8S15E11
APRICOT	1/2/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	60	LB	6	8S15E15
NECTARINE	1/4/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	100	LB	10	8S15E15
PEACH	1/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	200	LB	20	8S15E15
ALMOND	1/6/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	238	LB	70	8S16E16

Figure IV-10. Location of copper use for Duck Slough @ Hwy 99 site subwatershed – storm 1



Highline Canal @ Hwy 99 – storm 1 (2/12/07) – copper exceedance

Table IV-11. Highline Canal @ Hwy 99 – storm 1 (2/12/07) – copper exceedances (Merced County)

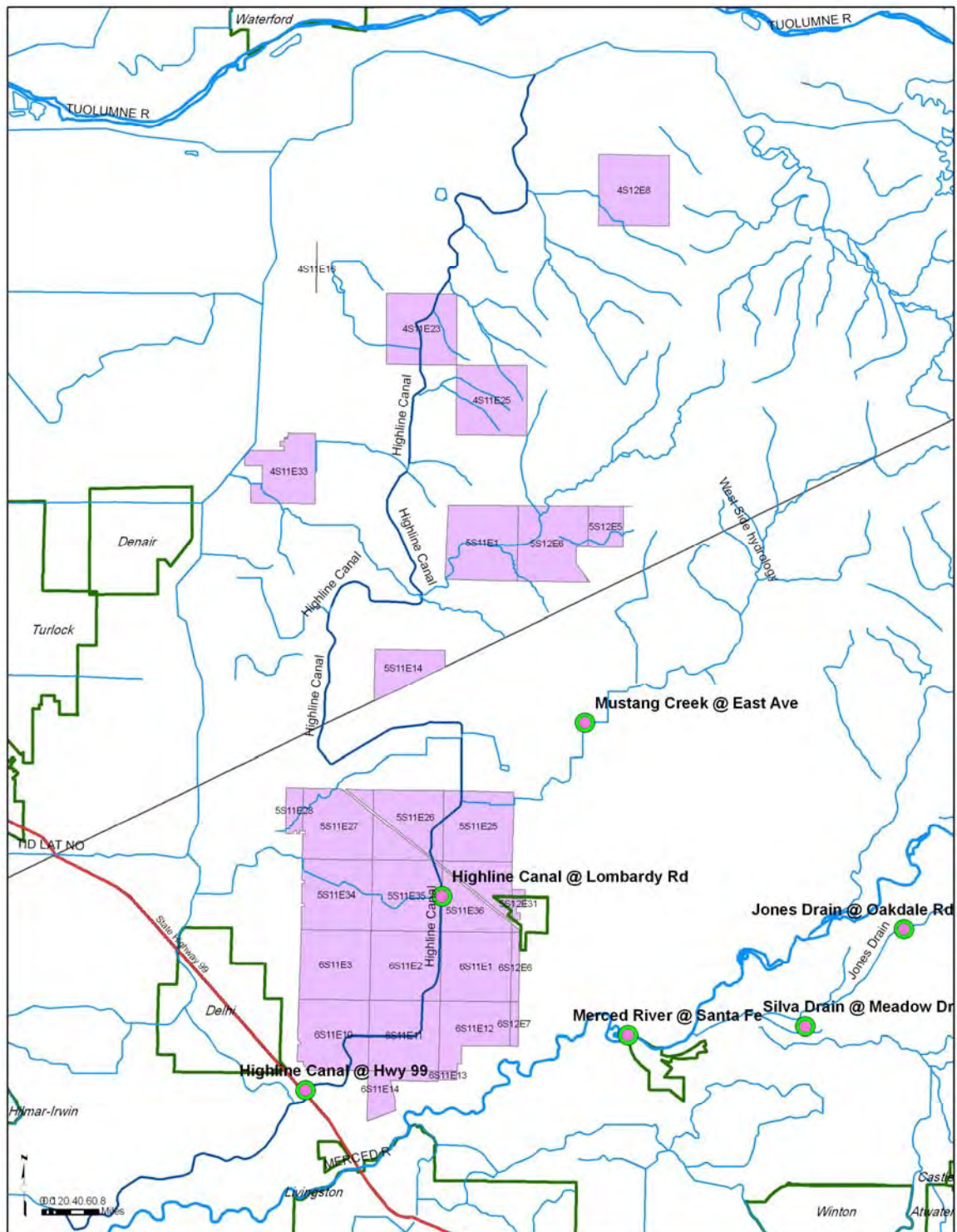
Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/29/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	575	LBS	75.91	5S11E25
ALMOND	1/30/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	300	LBS	30	5S11E25
ALMOND	1/9/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	442	LBS	65	5S11E26
ALMOND	1/10/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	816	LBS	120	5S11E26
ALMOND	2/1/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	138	LBS	23	5S11E27
ALMOND	2/2/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	60	LBS	10	5S11E27
ALMOND	1/9/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	100	LBS	10	5S11E28
PEACH	1/17/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	540	LBS	36	5S11E28
PEACH	1/23/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	190.4	LBS	28	5S11E28
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	300	LBS	30	5S11E34
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	100	LBS	10	5S11E34
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	200	LBS	20	5S11E34
ALMOND	1/7/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	650	LBS	65	5S11E35
PEACH	1/16/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	1350	LBS	90	5S11E35
ALMOND	1/30/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	499.1	LBS	49.91	5S11E35
ALMOND	1/8/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	240	LBS	24	5S11E36
ALMOND	1/8/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	670	LBS	67	5S11E36
ALMOND	1/9/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	320	LBS	32	5S11E36
PEACH	1/15/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	330	LBS	22	5S11E36
PEACH	1/15/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	870	LBS	58	5S11E36
PEACH	1/16/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	465	LBS	31	5S11E36
ALMOND	1/30/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	350.4	LBS	35.04	5S11E36
ALMOND	1/14/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	379	LBS	31.6	5S12E31
ALMOND	1/19/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	382	LBS	31.8	5S12E31
ALMOND	1/8/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	120	LBS	12	6S11E1
ALMOND	1/20/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	480	LBS	32	6S11E1
ALMOND	1/20/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	120	LBS	8	6S11E1
ALMOND	1/25/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	400	LBS	40	6S11E1
ALMOND	1/27/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	91.3	LBS	9.13	6S11E1
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	170	LBS	17	6S11E10
ALMOND	1/8/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	160	LBS	16	6S11E11
ALMOND	1/9/07	G	BASIC COPPER 53	COPPER SULFATE	250	LBS	25	6S11E11

Commodity	Date applied	Application method	Product name	AI (BASIC)	Quantity used	Units	Acres treated	TRS
ALMOND	1/11/07	G	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	145	LBS	29	6S11E11
PEACH	1/23/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	204	LBS	30	6S11E11
PEACH	1/23/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	34	LBS	5	6S11E11
ALMOND	1/16/07	G	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	120	LBS	20	6S11E12
PEACH	1/23/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	136	LBS	20	6S11E12
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	250	LBS	25	6S11E12
ALMOND	1/9/07	G	KOCIDE 2000	COPPER HYDROXIDE	449.92	LBS	74	6S11E13
ALMOND	1/19/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	102	LBS	15	6S11E13
PEACH	1/23/07	G	NU-COP 50DF	COPPER HYDROXIDE	208	LBS	26	6S11E13
ALMOND	1/24/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	228	LBS	38	6S11E13
ALMOND	1/6/07	G	KOCIDE 2000	COPPER HYDROXIDE	105.01	LBS	17.3	6S11E14
ALMOND	1/9/07	G	KOCIDE 2000	COPPER HYDROXIDE	173.88	LBS	28	6S11E14
PEACH	1/23/07	G	NU-COP 50DF	COPPER HYDROXIDE	80	LBS	10	6S11E14
ALMOND	1/7/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	330	LBS	33	6S11E2
ALMOND	1/21/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	400	LBS	40	6S11E2
ALMOND	1/9/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	200	LBS	20	6S11E3
PEACH	1/15/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	495	LBS	33	6S11E3
PEACH	1/23/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	170	LBS	25	6S11E3
PEACH	1/23/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	108.8	LBS	16	6S11E3
ALMOND	1/13/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	421.2	LBS	35.1	6S12E6
ALMOND	1/27/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	574	LBS	57.4	6S12E6
ALMOND	1/11/07	G	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	160	LBS	32	6S12E7
ALMOND	1/29/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	475.6	LBS	47.56	6S12E7

Table IV-12. Highline Canal @ Hwy 99 – storm 1 (2/12/07) – copper exceedance (Stanislaus County)

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/7/07	G	NU-COP 50DF	COPPER HYDROXIDE	240	LB	214	3S11E34
ALMOND	1/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	88	PT	22	3S12E32
ALMOND	1/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	92	PT	23	3S12E32
ALMOND	1/31/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	106.8	PT	20	4S11E16
PEACH PROCESSNG	1/20/07	G	NU-COP 50DF	COPPER HYDROXIDE	800	LB	80	4S11E23
ALMOND	2/1/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	1326	LB	260	4S11E25
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	200	LB	20	4S11E33
ALMOND	1/24/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	683.4	LB	134	4S12E11
ALMOND	1/2/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	1920	LB	640	4S12E8
ALMOND	1/3/07	G	NU-COP 50 WP	COPPER HYDROXIDE	4640	LB	580	5S11E1
ALMOND	1/9/07	G	NU-COP 50 WP	COPPER HYDROXIDE	3360	LB	420	5S11E1
ALMOND	1/6/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	1500	LB	250	5S11E14
ALMOND	1/25/07	G	CUPROFIX DISPERSS	COPPER SULFATE (BASIC)	20	LB	100	5S12E5
ALMOND	1/10/07	G	NU-COP 50DF	COPPER HYDROXIDE	608	LB	76	5S12E6

Figure IV-11. Location of copper use for Highline Canal @ Hwy 99 site subwatershed – storm 1.



Highline Canal @ Lombardy – storm 1 (2/12/07) – copper exceedance

Table IV-13. Highline Canal @ Lombardy Ave – storm 1 (2/12/07) – copper exceedances (Merced County)

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/29/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	575	LB	75.91	5S11E25
ALMOND	1/30/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	300	LB	30	5S11E25
ALMOND	1/9/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	442	LB	65	5S11E26
ALMOND	1/10/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	816	LB	120	5S11E26
ALMOND	2/1/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	138	LB	23	5S11E27
ALMOND	2/2/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	60	LB	10	5S11E27
ALMOND	1/9/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	100	LB	10	5S11E28
PEACH	1/17/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	540	LB	36	5S11E28
PEACH	1/23/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	190.4	LB	28	5S11E28
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	300	LB	30	5S11E34
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	100	LB	10	5S11E34
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	200	LB	20	5S11E34
ALMOND	1/7/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	650	LB	65	5S11E35
PEACH	1/16/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	1350	LB	90	5S11E35
ALMOND	1/30/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	499.1	LB	49.91	5S11E35
ALMOND	1/8/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	240	LB	24	5S11E36
ALMOND	1/8/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	670	LB	67	5S11E36
ALMOND	1/9/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	320	LB	32	5S11E36
PEACH	1/15/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	330	LB	22	5S11E36
PEACH	1/15/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	870	LB	58	5S11E36
PEACH	1/16/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	465	LB	31	5S11E36
ALMOND	1/30/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	350.4	LB	35.04	5S11E36
ALMOND	1/14/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	379	LB	31.6	5S12E31
ALMOND	1/19/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	382	LB	31.8	5S12E31

Copper use for the Stanislaus County portion of the site subwatershed is listed above in Table 12.

Figure IV-12. Location of copper use for Highline Canal @ Lombardy Ave site subwatershed – storm 1.

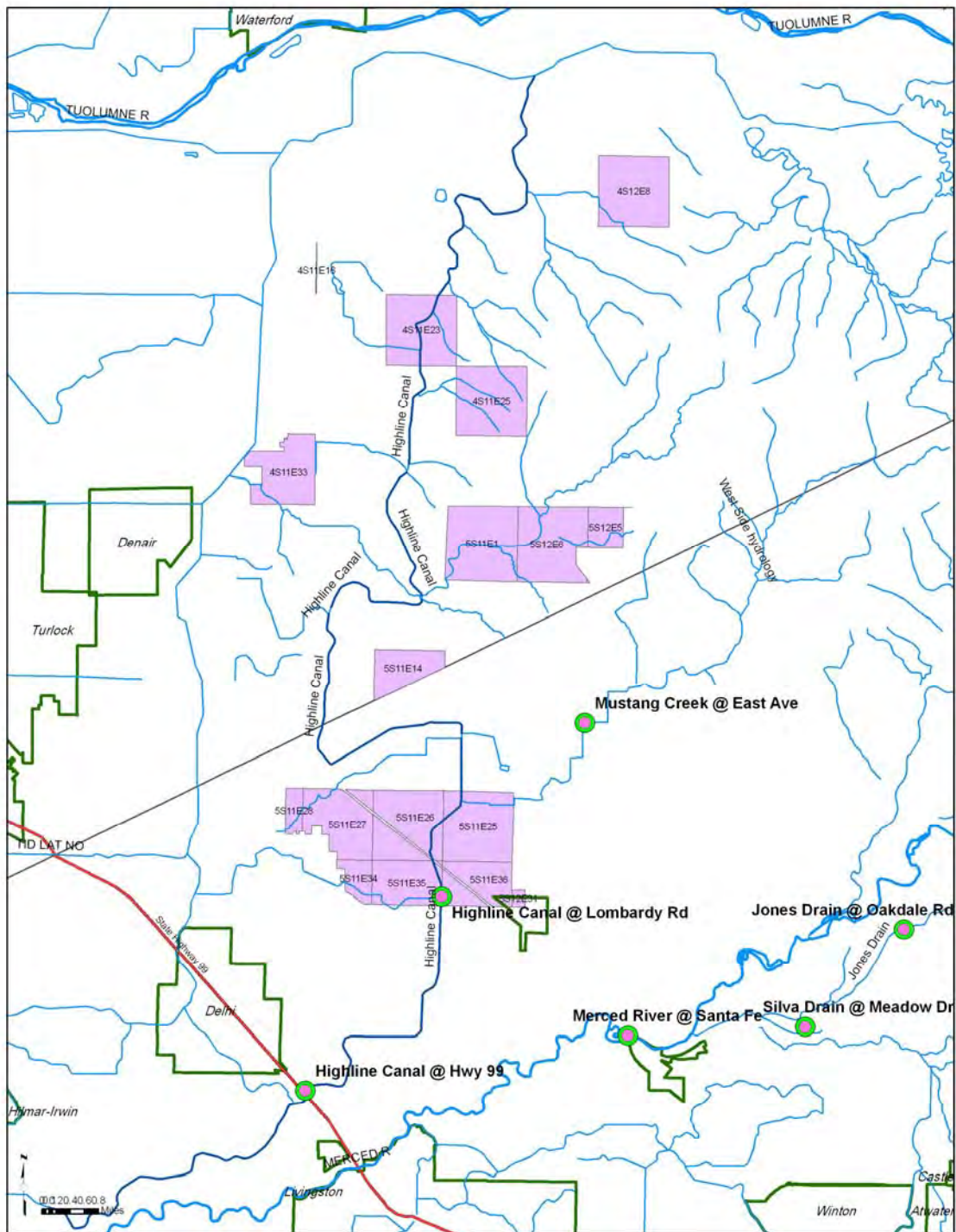
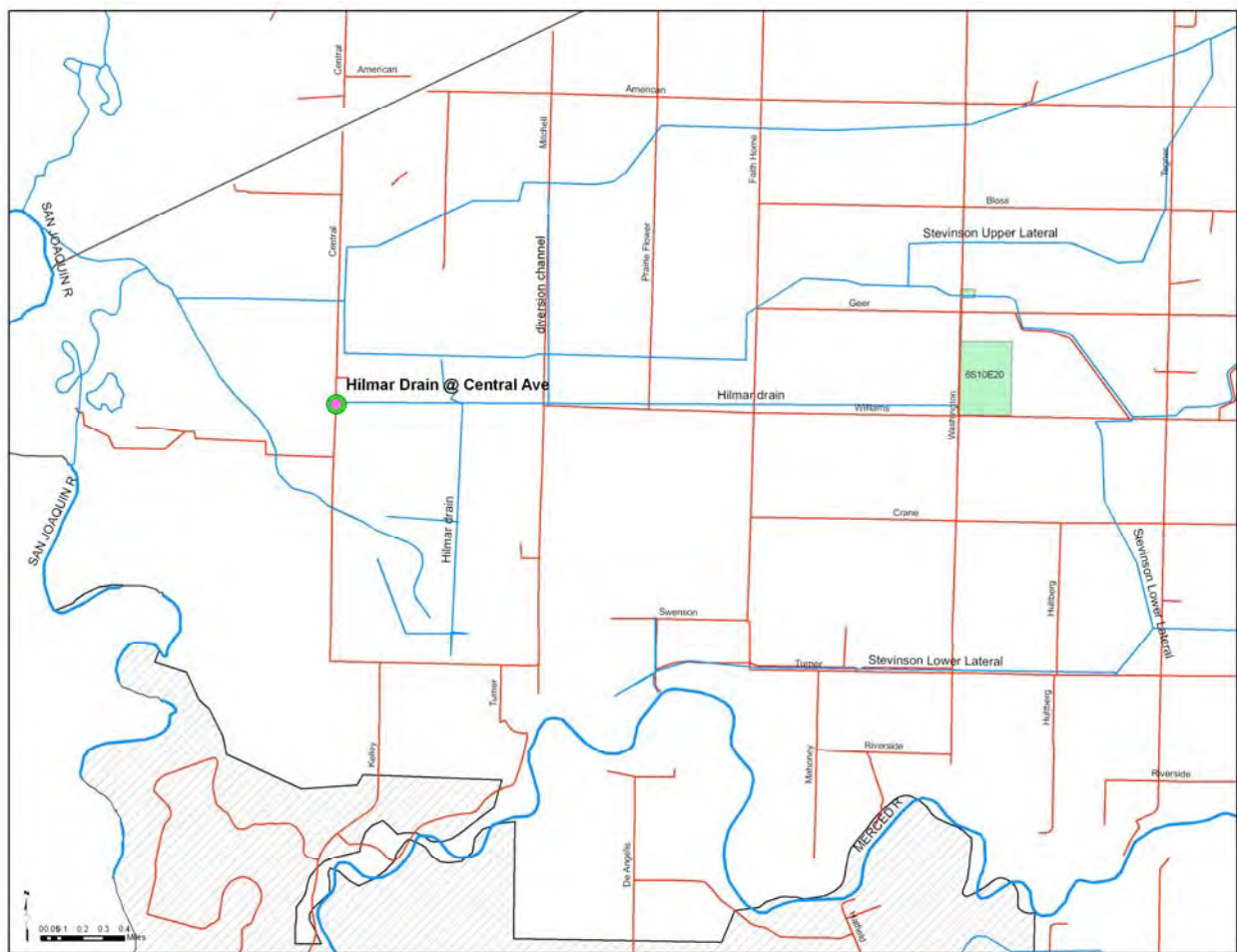


Table IV-14. Hilmar Drain @ Central Ave – storm 1 (2/11/07) – copper exceedance

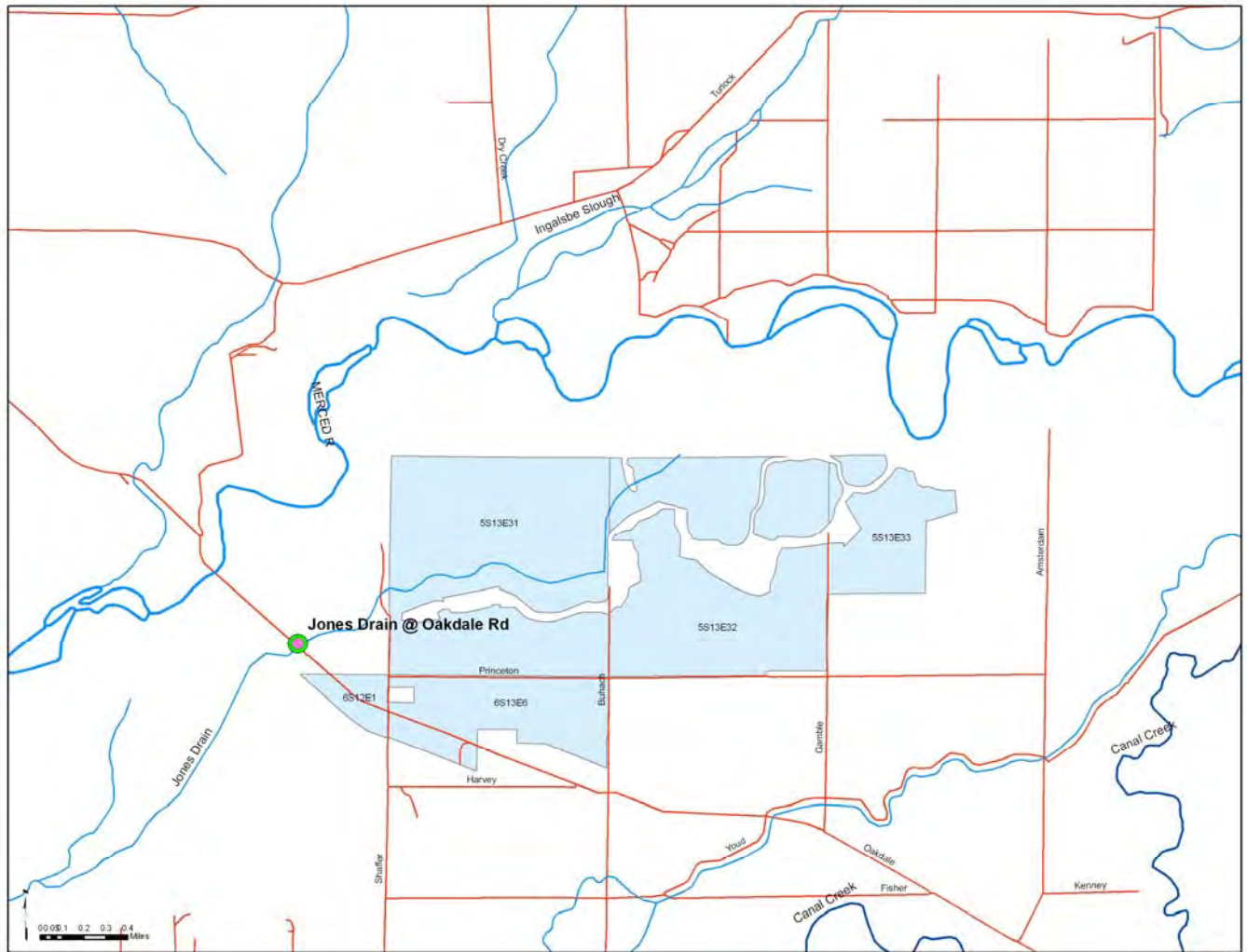


Jones Drain @ Oakdale Rd – storm 1 (2/12/07) – copper exceedance

Table IV-15. Jones Drain @ Oakdale Rd – storm 1 (2/12/07) – copper exceedances

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/3/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	237.4	LBS	23.74	5S13E31
ALMOND	1/26/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	679.1	LBS	67.91	5S13E32
ALMOND	2/3/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	289.8	LBS	28.98	5S13E32
ALMOND	2/3/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	461.5	LBS	46.15	5S13E32
ALMOND	2/6/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	210.5	LBS	21.05	5S13E32
ALMOND	2/6/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	225	LBS	22.5	5S13E32
ALMOND	1/24/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	1223.3	LBS	122.33	5S13E33
ALMOND	1/25/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	586	LBS	58.6	5S13E33
ALMOND	2/3/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	1117.3	LBS	111.7	5S13E33
ALMOND	2/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	1083.1	LBS	108.3	5S13E33
ALMOND	2/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	390.2	LBS	39.02	5S13E33
ALMOND	2/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	303.6	LBS	30.36	5S13E33
ALMOND	1/4/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	400	LBS	40	6S12E1
ALMOND	1/26/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	361	LBS	36.1	6S12E1
ALMOND	2/2/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	220	LBS	29.87	6S13E6
ALMOND	2/2/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	174.2	LBS	17.42	6S13E6
ALMOND	2/2/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	212.3	LBS	21.23	6S13E6
ALMOND	2/3/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	165	LBS	23.49	6S13E6

Figure IV-14. Location of copper use for Jones Drain @ Oakdale Rd site subwatershed – storm 1.

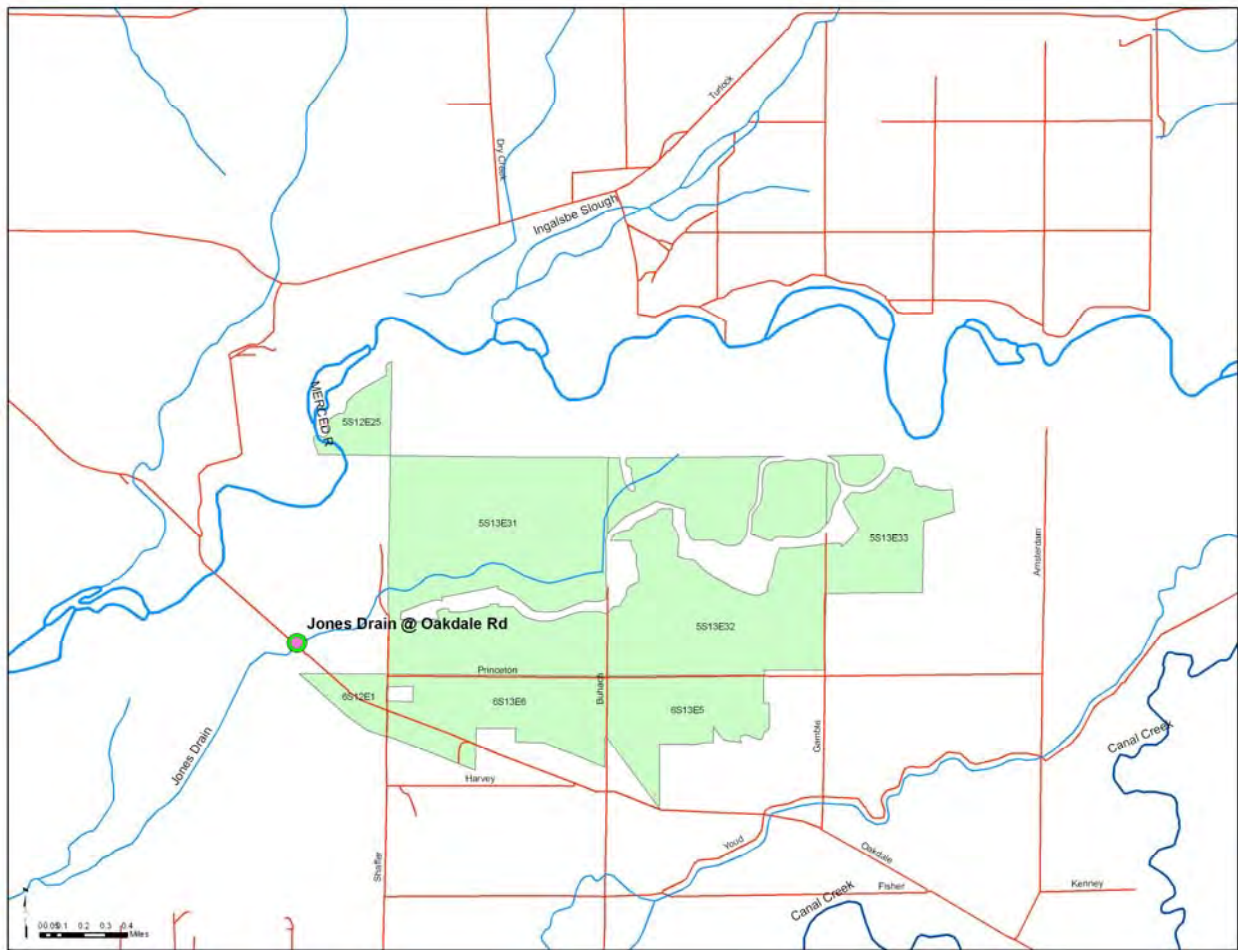


Jones Drain @ Oakdale Rd – storm 2 (3/01/07) – copper exceedances

Table IV-16. Jones Drain @ Oakdale Rd – storm 2 (3/01/07) – copper exceedances

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/23/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	375	LBS	75	5S12E25
ALMOND	2/3/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	237.4	LBS	23.74	5S13E31
ALMOND	1/26/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	679.1	LBS	67.91	5S13E32
ALMOND	2/3/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	289.8	LBS	28.98	5S13E32
ALMOND	2/3/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	461.5	LBS	46.15	5S13E32
ALMOND	2/6/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	210.5	LBS	21.05	5S13E32
ALMOND	2/6/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	225	LBS	22.5	5S13E32
ALMOND	2/24/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	169.8	LBS	33.96	5S13E32
ALMOND	1/24/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	1223.3	LBS	122.33	5S13E33
ALMOND	1/25/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	586	LBS	58.6	5S13E33
ALMOND	2/3/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	1117.3	LBS	111.7	5S13E33
ALMOND	2/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	1083.1	LBS	108.3	5S13E33
ALMOND	2/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	390.2	LBS	39.02	5S13E33
ALMOND	2/5/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	303.6	LBS	30.36	5S13E33
ALMOND	2/21/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	305.8	LBS	61.16	5S13E33
ALMOND	2/23/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	146.5	LBS	29.3	5S13E33
ALMOND	2/24/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	279.4	LBS	55.87	5S13E33
ALMOND	1/4/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	400	LBS	40	6S12E1
ALMOND	1/26/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	361	LBS	36.1	6S12E1
ALMOND	2/25/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	100	LBS	20	6S12E1
ALMOND	2/27/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	100	LBS	20	6S12E1
ALMOND	2/24/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	33	LBS	33	6S13E5
ALMOND	2/2/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	220	LBS	29.87	6S13E6
ALMOND	2/2/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	174.2	LBS	17.42	6S13E6
ALMOND	2/2/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	212.3	LBS	21.23	6S13E6
ALMOND	2/3/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	165	LBS	23.49	6S13E6
ALMOND	2/23/07	G	KOCIDE DF	COPPER HYDROXIDE	116	LBS	58	6S13E6
ALMOND	3/1/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	43.6	LBS	8.71	6S13E6

Figure IV-15. Location of copper use for Jones Drain @ Oakdale Rd site subwatershed – storm 2.



Pesticide Use Reports for sediment toxicity exceedances

Hyaella azteca Toxicity

No *Hyaella azteca* toxicity was reported during the storm season.

Pesticide Use Reports for water column toxicity

Selenastrum capricornutum toxicity

Dry Creek @ Wellsford Rd – storm 1 (2/11/07)

Table IV-17. Pesticide applications for Dry Creek @ Wellsford Rd. – storm 1

Commodity	Date applied	Application method	Product name	AI	Quantity used	Unit	Treated acres	TRS
OAT FOR/FOD	1/30/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	2.49	GA	35	2S10E36
OAT FOR/FOD	1/30/07	G	SHARK EW	CARFENTRAZONE-ETHYL	31.85	OZ	35	2S10E36
OAT FOR/FOD	1/10/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	1600	OZ	100	3S10E1
OAT FOR/FOD	1/10/07	G	SHARK EW	CARFENTRAZONE-ETHYL	170	PT	100	3S10E1
OAT FOR/FOD	1/25/07	G	SHARK EW	CARFENTRAZONE-ETHYL	3.91	QT	100	3S10E1
OAT FOR/FOD	1/18/07	G	SHARK EW	CARFENTRAZONE-ETHYL	3.29	QT	90	3S10E11
OAT FOR/FOD	1/25/07	G	SHARK EW	CARFENTRAZONE-ETHYL	7.83	QT	200	3S10E12
OAT FOR/FOD	1/19/07	G	RIVERDALE MCPA-4 AMINE	MCPA, DIMETHYLAMINE SALT	3.75	GA	28	3S10E21
OAT FOR/FOD	1/19/07	G	SHARK EW	CARFENTRAZONE-ETHYL	28	OZ	28	3S10E21
OAT FOR/FOD	1/19/07	G	PRO 90		1.5	GA	28	3S10E21
GRAPE, WINE	2/7/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	3.28	GA	7	3S10E21
GRAPE, WINE	2/7/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	6.58	LB	7	3S10E21
GRAPE, WINE	2/8/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	5.62	GA	15	3S10E21
GRAPE, WINE	2/8/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	11.28	LB	15	3S10E21
GRAPE, WINE	2/1/07	G	GOAL 2XL	OXYFLUORFEN	64.5	PT	21.5	3S10E24
GRAPE, WINE	2/1/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	172	PT	21.5	3S10E24
GRAPE, WINE	2/1/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	107.5	PT	21.5	3S10E24
ALMOND	1/3/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	31.9	GA	67	3S10E25
ALMOND	1/3/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	31.9	QT	67	3S10E25
ALMOND	1/3/07	G	GOAL 2XL	OXYFLUORFEN	153.14	OZ	67	3S10E25

Commodity	Date applied	Application method	Product name	AI	Quantity used	Unit	Treated acres	TRS
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.19	GA	2.5	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.55	GA	3.25	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	0.71	GA	1.5	3S10E25
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.19	QT	2.5	3S10E25
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	0.71	QT	1.5	3S10E25
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.55	QT	3.25	3S10E25
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	3.43	OZ	1.5	3S10E25
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	7.43	OZ	3.25	3S10E25
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	5.71	OZ	2.5	3S10E25
ALMOND	1/17/07	G	SIM-TROL 4L	SIMAZINE	3	PT	4	3S10E25
ALMOND	1/17/07	G	SIM-TROL 4L	SIMAZINE	12	PT	16	3S10E25
ALMOND	1/17/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S10E25
ALMOND	1/17/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	QT	4	3S10E25
ALMOND	1/17/07	G	GOAL 2XL	OXYFLUORFEN	1	PT	4	3S10E25
ALMOND	1/17/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S10E25
ALMOND	1/17/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	5	QT	4	3S10E25
ALMOND	1/17/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S10E25
ALMOND	1/29/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12	QT	16	3S10E25
ALMOND	1/29/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.6	QT	2.6	3S10E25
ALMOND	1/29/07	G	GOAL 2XL	OXYFLUORFEN	2.5	PT	16	3S10E25
ALMOND	1/29/07	G	GOAL 2XL	OXYFLUORFEN	0.65	PT	2.6	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.19	GA	2.5	3S10E26
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.19	QT	2.5	3S10E26
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	5.71	OZ	2.5	3S10E26
ALMOND	1/21/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	15	PT	5	3S10E26
ALMOND	1/21/07	G	GOAL 2XL	OXYFLUORFEN	40	OZ	5	3S10E26
ALMOND	1/21/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	QT	5	3S10E26
ALMOND	1/11/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	27	3S10E27
ALMOND	1/11/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	27	3S10E27
WALNUT	1/13/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/13/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/15/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/15/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
ALMOND	1/16/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	27	3S10E27
ALMOND	1/16/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	27	3S10E27
WALNUT	1/17/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/17/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/18/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/18/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/19/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27

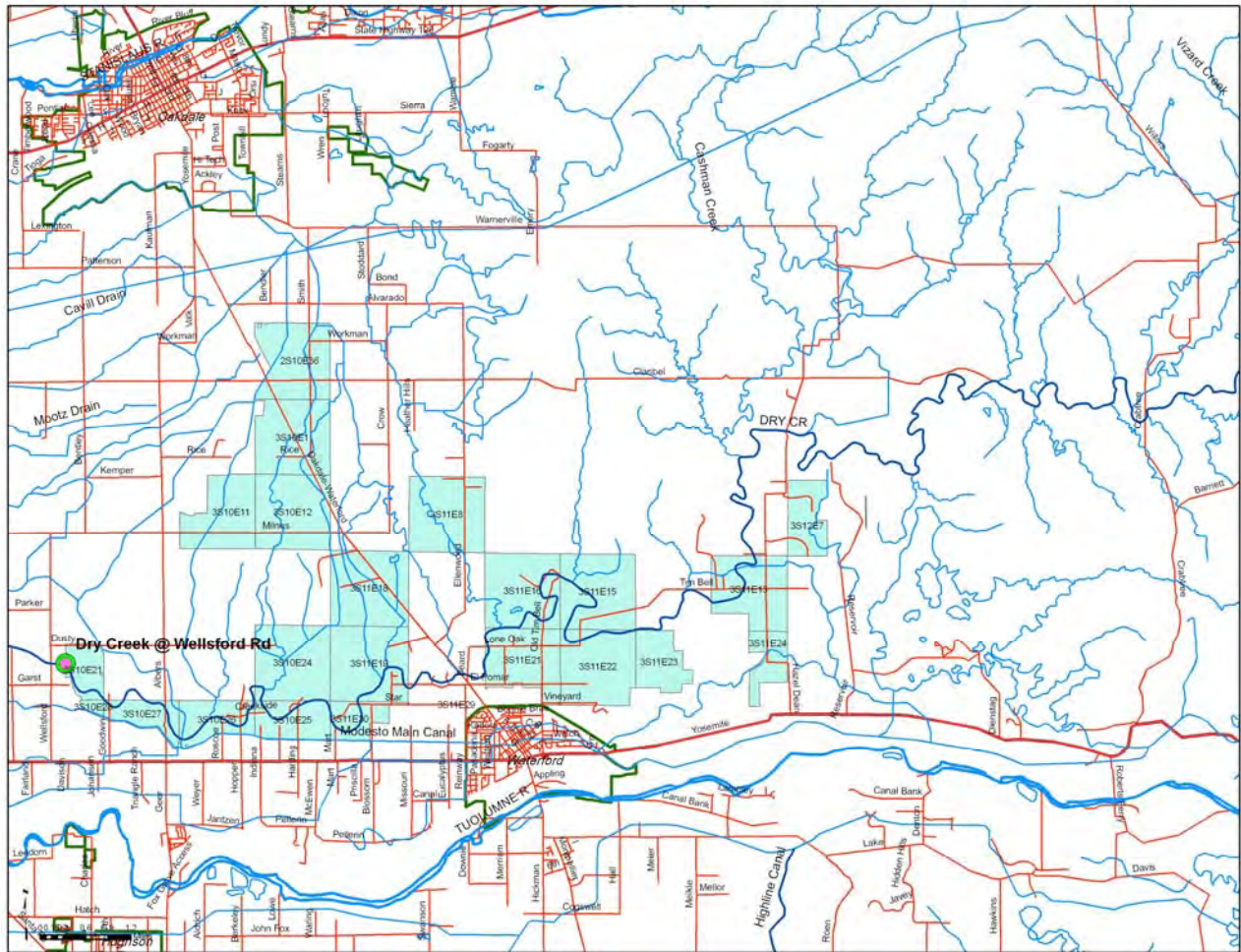
Commodity	Date applied	Application method	Product name	AI	Quantity used	Unit	Treated acres	TRS
WALNUT	1/19/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	2/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.57	GA	4.5	3S10E27
WALNUT	2/7/07	G	ROUNDUP ULTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	9	OZ	1	3S10E27
ALMOND	1/6/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1	QT	2.5	3S10E28
ALMOND	1/6/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	0.5	LB	2.5	3S10E28
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	8	OZ	2.5	3S10E28
WALNUT	1/25/07	G	DIREX 4L	DIURON	44	GA	136	3S11E13
WALNUT	1/25/07	G	SIMAZINE 4L FLOWABLE HERBICIDE	SIMAZINE	44	GA	136	3S11E13
WALNUT	1/25/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	29	GA	136	3S11E13
WALNUT	1/25/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	7.34	GA	136	3S11E13
ALMOND	1/29/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	938.18	PT	430	3S11E15
ALMOND	1/29/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	625.45	PT	430	3S11E15
ALMOND	1/29/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	156.36	PT	430	3S11E15
ALMOND	1/29/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	528	PT	242	3S11E16
ALMOND	1/29/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	352	PT	242	3S11E16
ALMOND	1/29/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	88	PT	242	3S11E16
WALNUT	2/10/07	G	DIREX 4L	DIURON	7.5	GA	40	3S11E16
WALNUT	2/10/07	G	SIM-TROL 4L	SIMAZINE	5	GA	40	3S11E16
WALNUT	2/10/07	G	MON-52249 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	5	GA	40	3S11E16
WALNUT	2/10/07	G	GOAL 1.6E HERBICIDE	OXYFLUORFEN	5	QT	40	3S11E16
WALNUT	2/10/07	G	FARMSAVER.COM ORYZALIN 4 A.S.	ORYZALIN	5	QT	40	3S11E16
ALMOND	1/22/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	86.85	3S11E18
ALMOND	1/22/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	86.85	3S11E18
ALMOND	1/22/07	G	GOALTENDER	OXYFLUORFEN	4	PT	86.85	3S11E18
WALNUT	1/25/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	27	3S11E18
WALNUT	1/25/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	27	3S11E18
WALNUT	1/25/07	G	GOALTENDER	OXYFLUORFEN	1	PT	27	3S11E18
ALMOND	1/26/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	13.05	3S11E18
PISTACHIO	1/26/07	G	CUPROFIX ULTRA 40 DISPERSS		6	LB	5.6	3S11E18
PISTACHIO	1/26/07	G	CUPROFIX ULTRA 40 DISPERSS		6	LB	112	3S11E18
PISTACHIO	1/26/07	G	CUPROFIX ULTRA 40 DISPERSS		6	LB	18	3S11E18
ALMOND	1/26/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	13.05	3S11E18
ALMOND	1/26/07	G	GOALTENDER	OXYFLUORFEN	4	PT	13.05	3S11E18
ALMOND	1/27/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	35.55	3S11E18
ALMOND	1/27/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	35.55	3S11E18
ALMOND	1/27/07	G	GOALTENDER	OXYFLUORFEN	4	PT	35.55	3S11E18
PISTACHIO	2/5/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.8	GA	2.8	3S11E18
PISTACHIO	2/5/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	9	GA	9	3S11E18
PISTACHIO	2/5/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.4	GA	9	3S11E18

Commodity	Date applied	Application method	Product name	AI	Quantity used	Unit	Treated acres	TRS
PISTACHIO	2/5/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	0.747	GA	2.8	3S11E18
PISTACHIO	2/5/07	G	GOALTENDER	OXYFLUORFEN	4.5	GA	9	3S11E18
PISTACHIO	2/5/07	G	GOALTENDER	OXYFLUORFEN	1.4	GA	2.8	3S11E18
WHEAT FOR/FOD	2/7/07	G	SHARK EW	CARFENTRAZONE-ETHYL	70	OZ	70	3S11E18
WHEAT FOR/FOD	2/8/07	G	SHARK EW	CARFENTRAZONE-ETHYL	10	OZ	10	3S11E18
WALNUT	1/19/07	G	PRINCEP 4L	SIMAZINE	28.8	GA	24	3S11E19
WALNUT	1/19/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	34.56	PT	24	3S11E19
WALNUT	1/19/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	92.16	OZ	24	3S11E19
ALMOND	1/19/07	G	PRINCEP 4L	SIMAZINE	49.5	PT	33	3S11E21
ALMOND	1/19/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	66	PT	33	3S11E21
ALMOND	1/19/07	G	CHIEF 3SC		99	PT	33	3S11E21
ALMOND	1/20/07	G	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	7	GA	40	3S11E21
ALMOND	1/31/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	38.4	PT	32	3S11E21
ALMOND	1/31/07	G	GOAL 2XL	OXYFLUORFEN	32	PT	32	3S11E21
ALMOND	1/31/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	80	PT	32	3S11E21
ALMOND	1/2/07	G	MON-35085	GLYPHOSATE, ISOPROPYLAMINE SALT	65	QT	65	3S11E22
WALNUT	1/9/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	20	QT	20	3S11E22
WALNUT	1/9/07	G	PRINCEP CALIBER 90 HERBICIDE	SIMAZINE	50	LB	20	3S11E22
WALNUT	1/9/07	G	DIREX 4L	DIURON	50	QT	20	3S11E22
WALNUT	1/9/07	G	SABER CA	2,4-D, DIMETHYLAMINE SALT	20	QT	20	3S11E22
ALMOND	2/6/07	G	SIM-TROL 4L	SIMAZINE	4.5	QT	12	3S11E22
ALMOND	2/6/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E22
ALMOND	2/6/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12	QT	12	3S11E22
ALMOND	2/6/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E22
ALMOND	2/6/07	G	GOAL 2XL	OXYFLUORFEN	3	PT	12	3S11E22
ALMOND	2/6/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	QT	12	3S11E22
ALMOND	2/5/07	G	PRINCEP 4L	SIMAZINE	60	PT	60	3S11E23
ALMOND	2/5/07	G	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	60	PT	60	3S11E23
ALMOND	2/5/07	G	GOAL 2XL	OXYFLUORFEN	75	PT	60	3S11E23
ALMOND	2/5/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	30	GA	60	3S11E23
ALMOND	1/11/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	84	LB	84	3S11E24
ALMOND	1/11/07	G	DREXEL SIMAZINE 4L	SIMAZINE	8.5	GA	84	3S11E24
ALMOND	1/11/07	G	SHARK EW	CARFENTRAZONE-ETHYL	1.59	QT	84	3S11E24
ALMOND	1/11/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	10.2	GA	84	3S11E24
ALMOND	1/8/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E29
ALMOND	1/8/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E29
ALMOND	1/8/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S11E29
ALMOND	1/9/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E29

Commodity	Date applied	Application method	Product name	AI	Quantity used	Unit	Treated acres	TRS
ALMOND	1/9/07	G	GOAL 2XL	OXYFLUORFEN	8	QT	16	3S11E29
ALMOND	1/9/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S11E29
ALMOND	1/10/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12	QT	6	3S11E29
ALMOND	1/10/07	G	GOAL 2XL	OXYFLUORFEN	6	QT	6	3S11E29
ALMOND	1/10/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	3.75	GA	6	3S11E29
WALNUT	1/15/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	8	3S11E29
WALNUT	1/15/07	G	GOAL 2XL	OXYFLUORFEN	8	QT	8	3S11E29
WALNUT	1/15/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	24	QT	8	3S11E29
ALMOND	1/25/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	6	3S11E29
ALMOND	1/25/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E29
ALMOND	1/25/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E29
ALMOND	1/25/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	6	3S11E29
ALMOND	2/1/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E29
ALMOND	2/1/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E29
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E29
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E29
ALMOND	1/2/07	G	SIM-TROL 4L	SIMAZINE	3	QT	8	3S11E30
ALMOND	1/2/07	G	SIM-TROL 4L	SIMAZINE	6	QT	16	3S11E30
ALMOND	1/2/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E30
ALMOND	1/2/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E30
ALMOND	1/2/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E30
ALMOND	1/2/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E30
ALMOND	1/2/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S11E30
ALMOND	1/2/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	10	QT	8	3S11E30
ALMOND	1/3/07	G	SIM-TROL 4L	SIMAZINE	12	QT	32	3S11E30
ALMOND	1/3/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	32	QT	32	3S11E30
ALMOND	1/3/07	G	GOAL 2XL	OXYFLUORFEN	8	PT	32	3S11E30
ALMOND	1/3/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	40	QT	32	3S11E30
WALNUT	1/22/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	5	3S11E30
WALNUT	1/22/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1	GA	5	3S11E30
WALNUT	1/22/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1	GA	5	3S11E30
WALNUT	1/22/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	1.88	GA	5	3S11E30
WALNUT	1/23/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	5	3S11E30
ALMOND	1/23/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	8	3S11E30
ALMOND	1/23/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	GA	8	3S11E30
WALNUT	1/23/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1	GA	5	3S11E30
WALNUT	1/23/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	5	3S11E30
ALMOND	1/23/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	8	3S11E30

Commodity	Date applied	Application method	Product name	AI	Quantity used	Unit	Treated acres	TRS
ALMOND	1/23/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E30
ALMOND	1/23/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	6	QT	6	3S11E30
ALMOND	1/23/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	8	3S11E30
ALMOND	1/23/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E30
ALMOND	1/23/07	G	GOAL 2XL	OXYFLUORFEN	1.5	PT	6	3S11E30
WALNUT	1/23/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	1.88	GA	5	3S11E30
ALMOND	1/24/07	G	PRINCEP 4L	SIMAZINE	13.33	PT	20	3S11E30
ALMOND	1/24/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	4	3S11E30
ALMOND	1/24/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1	GA	4	3S11E30
ALMOND	1/24/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1	GA	4	3S11E30
ALMOND	1/24/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E30
ALMOND	1/24/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	20	QT	20	3S11E30
ALMOND	1/24/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	42.67	PT	20	3S11E30
ALMOND	1/24/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	1.5	LB	4	3S11E30
ALMOND	1/24/07	G	GOAL 2XL	OXYFLUORFEN	5	PT	20	3S11E30
ALMOND	1/24/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E30
ALMOND	1/24/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	85.33	OZ	20	3S11E30
ALMOND	1/25/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	8	3S11E30
ALMOND	1/25/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/25/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/25/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	8	3S11E30
ALMOND	1/26/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	8	3S11E30
ALMOND	1/26/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/26/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/26/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	8	3S11E30
ALMOND	2/1/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	QT	4	3S11E30
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	1	PT	4	3S11E30
ALMOND	2/6/07	G	DREXEL SIMAZINE 4L	SIMAZINE	24	PT	24	3S11E8
ALMOND	2/6/07	G	ORYZALIN 4 A.S.	ORYZALIN	24	PT	24	3S11E8
ALMOND	1/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	2.2	LB	86	3S12E7
ALMOND	1/24/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	20	GA	86	3S12E7

Figure IV-16. Location of Pesticide applications for Dry Creek @ Wellsford Rd. – storm 1.



Dry Creek @ Wellsford Rd – storm 1 RS (2/22/07)

Table IV-18. Pesticide applications for Dry Creek @ Wellsford Rd. – storm 1 RS

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
OAT FOR/FOD	1/30/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	2.49	GA	35	2S10E36
OAT FOR/FOD	1/30/07	G	SHARK EW	CARFENTRAZONE-ETHYL	31.85	OZ	35	2S10E36
OAT FOR/FOD	1/10/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	1600	OZ	100	3S10E1
OAT FOR/FOD	1/10/07	G	SHARK EW	CARFENTRAZONE-ETHYL	170	PT	100	3S10E1
OAT FOR/FOD	1/25/07	G	SHARK EW	CARFENTRAZONE-ETHYL	3.91	QT	100	3S10E1
OAT FOR/FOD	1/18/07	G	SHARK EW	CARFENTRAZONE-ETHYL	3.29	QT	90	3S10E11
OAT FOR/FOD	1/25/07	G	SHARK EW	CARFENTRAZONE-ETHYL	7.83	QT	200	3S10E12
OAT FOR/FOD	1/19/07	G	RIVERDALE MCPA-4 AMINE	MCPA, DIMETHYLAMINE SALT	3.75	GA	28	3S10E21
OAT FOR/FOD	1/19/07	G	SHARK EW	CARFENTRAZONE-ETHYL	28	OZ	28	3S10E21
GRAPE, WINE	2/7/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	3.28	GA	7	3S10E21
GRAPE, WINE	2/7/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	6.58	LB	7	3S10E21
GRAPE, WINE	2/8/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	5.62	GA	15	3S10E21
GRAPE, WINE	2/8/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	11.28	LB	15	3S10E21
GRAPE, WINE	2/1/07	G	GOAL 2XL	OXYFLUORFEN	64.5	PT	21.5	3S10E24
GRAPE, WINE	2/1/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	172	PT	21.5	3S10E24
GRAPE, WINE	2/1/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	107.5	PT	21.5	3S10E24
ALMOND	1/3/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	31.9	GA	67	3S10E25
ALMOND	1/3/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	31.9	QT	67	3S10E25
ALMOND	1/3/07	G	GOAL 2XL	OXYFLUORFEN	153.14	OZ	67	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.19	GA	2.5	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.55	GA	3.25	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	0.71	GA	1.5	3S10E25
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.19	QT	2.5	3S10E25
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	0.71	QT	1.5	3S10E25
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.55	QT	3.25	3S10E25
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	3.43	OZ	1.5	3S10E25
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	7.43	OZ	3.25	3S10E25
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	5.71	OZ	2.5	3S10E25
ALMOND	1/17/07	G	SIM-TROL 4L	SIMAZINE	3	PT	4	3S10E25
ALMOND	1/17/07	G	SIM-TROL 4L	SIMAZINE	12	PT	16	3S10E25
ALMOND	1/17/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S10E25
ALMOND	1/17/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	QT	4	3S10E25
ALMOND	1/17/07	G	GOAL 2XL	OXYFLUORFEN	1	PT	4	3S10E25
ALMOND	1/17/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S10E25

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/17/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	5	QT	4	3S10E25
ALMOND	1/17/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S10E25
ALMOND	1/29/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12	QT	16	3S10E25
ALMOND	1/29/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.6	QT	2.6	3S10E25
ALMOND	1/29/07	G	GOAL 2XL	OXYFLUORFEN	2.5	PT	16	3S10E25
ALMOND	1/29/07	G	GOAL 2XL	OXYFLUORFEN	0.65	PT	2.6	3S10E25
ALMOND	2/14/07	G	TOUCHDOWN HERBICIDE	GLYPHOSATE, DIAMMONIUM SALT	6	GA	12.5	3S10E25
ALMOND	2/14/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	12.5	LB	12.5	3S10E25
ALMOND	2/14/07	G	DREXEL SIMAZINE 4L	SIMAZINE	3.5	GA	12.5	3S10E25
ALMOND	2/14/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	2.5	GA	12.5	3S10E25
ALMOND	2/21/07	G	SURFLAN A.S.	ORYZALIN	8.5	GA	19	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.19	GA	2.5	3S10E26
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.19	QT	2.5	3S10E26
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	5.71	OZ	2.5	3S10E26
ALMOND	1/21/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	15	PT	5	3S10E26
ALMOND	1/21/07	G	GOAL 2XL	OXYFLUORFEN	40	OZ	5	3S10E26
ALMOND	1/21/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	QT	5	3S10E26
ALMOND	2/15/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	5	QT	5	3S10E26
ALMOND	2/15/07	G	GOAL 2XL	OXYFLUORFEN	40	OZ	5	3S10E26
ALMOND	2/15/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	QT	5	3S10E26
ALMOND	2/21/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	15	PT	5	3S10E26
ALMOND	1/11/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	27	3S10E27
ALMOND	1/11/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	27	3S10E27
WALNUT	1/13/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/13/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/15/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/15/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
ALMOND	1/16/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	27	3S10E27
ALMOND	1/16/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	27	3S10E27
WALNUT	1/17/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/17/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/18/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/18/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/19/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/19/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	2/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.57	GA	4.5	3S10E27
WALNUT	2/7/07	G	ROUNDUP ULTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	9	OZ	1	3S10E27
WALNUT	2/15/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	640	OZ	55	3S10E27
ALMOND	1/6/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1	QT	2.5	3S10E28

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/6/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	0.5	LB	2.5	3S10E28
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	8	OZ	2.5	3S10E28
WALNUT	2/20/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	6	QT	6	3S10E28
WALNUT	2/20/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	6	QT	6	3S10E28
WALNUT	2/20/07	G	GOAL 2XL	OXYFLUORFEN	6	QT	6	3S10E28
WALNUT	1/25/07	G	DIREX 4L	DIURON	44	GA	136	3S11E13
WALNUT	1/25/07	G	SIMAZINE 4L FLOWABLE HERBICIDE	SIMAZINE	44	GA	136	3S11E13
WALNUT	1/25/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	29	GA	136	3S11E13
WALNUT	1/25/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	7.34	GA	136	3S11E13
ALMOND	1/29/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	938.18	PT	430	3S11E15
ALMOND	1/29/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	625.45	PT	430	3S11E15
ALMOND	1/29/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	156.36	PT	430	3S11E15
WALNUT	2/17/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	80	PT	40	3S11E15
WALNUT	2/17/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	53.33	PT	40	3S11E15
WALNUT	2/17/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	13.33	PT	40	3S11E15
ALMOND	1/29/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	528	PT	242	3S11E16
ALMOND	1/29/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	352	PT	242	3S11E16
ALMOND	1/29/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	88	PT	242	3S11E16
WALNUT	2/10/07	G	DIREX 4L	DIURON	7.5	GA	40	3S11E16
WALNUT	2/10/07	G	SIM-TROL 4L	SIMAZINE	5	GA	40	3S11E16
WALNUT	2/10/07	G	MON-52249 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	5	GA	40	3S11E16
WALNUT	2/10/07	G	GOAL 1.6E HERBICIDE	OXYFLUORFEN	5	QT	40	3S11E16
WALNUT	2/10/07	G	FARMSAVER.COM ORYZALIN 4 A.S.	ORYZALIN	5	QT	40	3S11E16
ALMOND	1/22/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	86.85	3S11E18
ALMOND	1/22/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	86.85	3S11E18
ALMOND	1/22/07	G	GOALTENDER	OXYFLUORFEN	4	PT	86.85	3S11E18
WALNUT	1/25/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	27	3S11E18
WALNUT	1/25/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	27	3S11E18
WALNUT	1/25/07	G	GOALTENDER	OXYFLUORFEN	1	PT	27	3S11E18
ALMOND	1/26/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	13.05	3S11E18
ALMOND	1/26/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	13.05	3S11E18
ALMOND	1/26/07	G	GOALTENDER	OXYFLUORFEN	4	PT	13.05	3S11E18
ALMOND	1/27/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	35.55	3S11E18
ALMOND	1/27/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	35.55	3S11E18
ALMOND	1/27/07	G	GOALTENDER	OXYFLUORFEN	4	PT	35.55	3S11E18
PISTACHIO	2/5/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.8	GA	2.8	3S11E18
PISTACHIO	2/5/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	9	GA	9	3S11E18
PISTACHIO	2/5/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.4	GA	9	3S11E18
PISTACHIO	2/5/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	0.747	GA	2.8	3S11E18
PISTACHIO	2/5/07	G	GOALTENDER	OXYFLUORFEN	4.5	GA	9	3S11E18

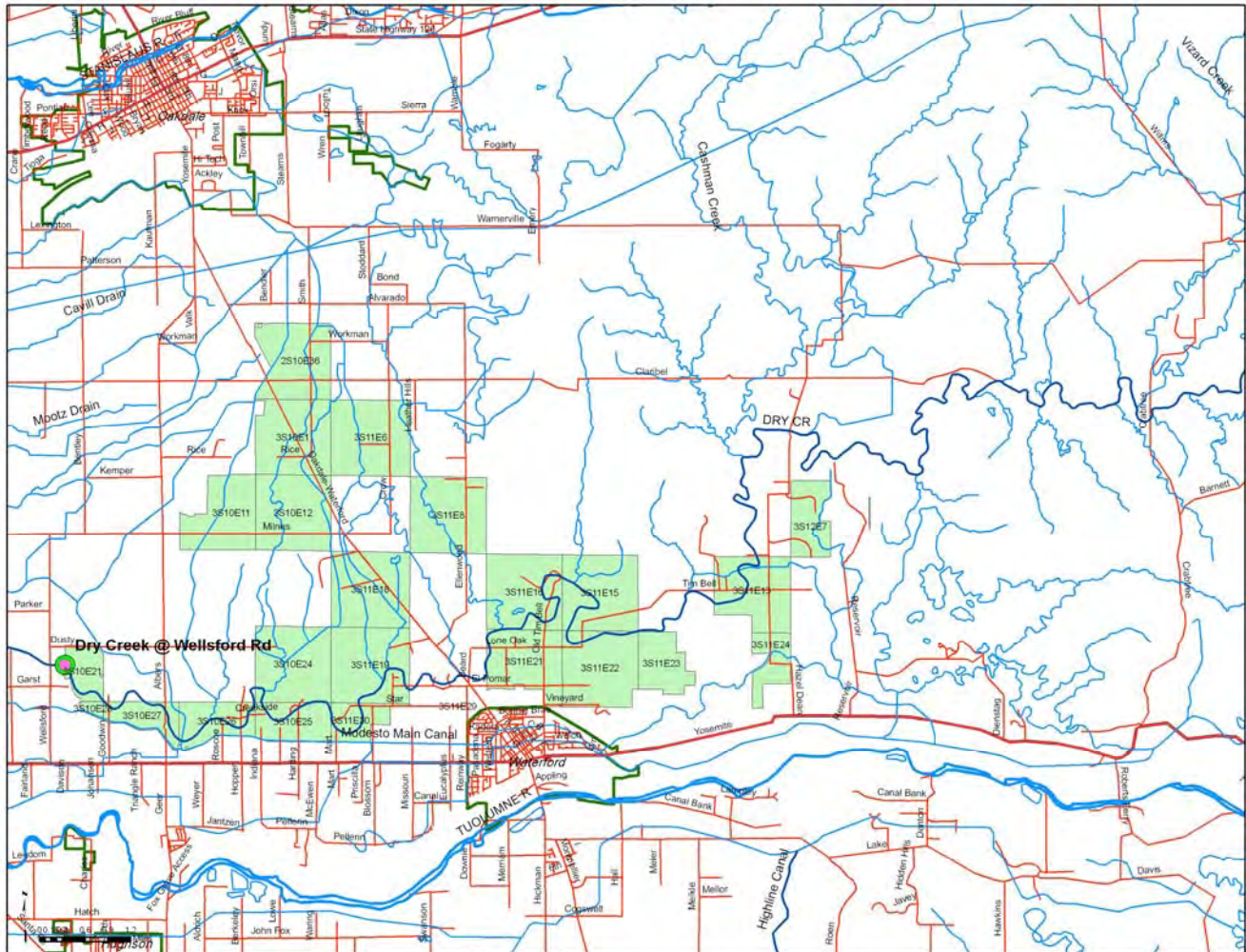
Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
PISTACHIO	2/5/07	G	GOALTENDER	OXYFLUORFEN	1.4	GA	2.8	3S11E18
WHEAT FOR/FOD	2/7/07	G	SHARK EW	CARFENTRAZONE-ETHYL	70	OZ	70	3S11E18
WHEAT FOR/FOD	2/8/07	G	SHARK EW	CARFENTRAZONE-ETHYL	10	OZ	10	3S11E18
WALNUT	1/19/07	G	PRINCEP 4L	SIMAZINE	28.8	GA	24	3S11E19
WALNUT	1/19/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	34.56	PT	24	3S11E19
WALNUT	1/19/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	92.16	OZ	24	3S11E19
ALMOND	1/19/07	G	PRINCEP 4L	SIMAZINE	49.5	PT	33	3S11E21
ALMOND	1/19/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	66	PT	33	3S11E21
ALMOND	1/19/07	G	CHIEF 3SC	OXYFLUORFEN	99	PT	33	3S11E21
ALMOND	1/20/07	G	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	7	GA	40	3S11E21
ALMOND	1/31/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	38.4	PT	32	3S11E21
ALMOND	1/31/07	G	GOAL 2XL	OXYFLUORFEN	32	PT	32	3S11E21
ALMOND	1/31/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	80	PT	32	3S11E21
ALMOND	2/20/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	8	GA	15	3S11E21
PERSIMMON	2/20/07	G	MON-65005 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	108	OZ	6	3S11E21
ALMOND	1/19/07	G	CHIEF 3SC	GLYPHOSATE, ISOPROPYLAMINE SALT	99	PT	33	3S11E21
ALMOND	2/20/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	GA	15	3S11E21
ALMOND	1/2/07	G	MON-35085	GLYPHOSATE, ISOPROPYLAMINE SALT	65	QT	65	3S11E22
WALNUT	1/9/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	20	QT	20	3S11E22
WALNUT	1/9/07	G	PRINCEP CALIBER 90 HERBICIDE	SIMAZINE	50	LB	20	3S11E22
WALNUT	1/9/07	G	DIREX 4L	DIURON	50	QT	20	3S11E22
WALNUT	1/9/07	G	SABER CA	2,4-D, DIMETHYLAMINE SALT	20	QT	20	3S11E22
ALMOND	2/6/07	G	SIM-TROL 4L	SIMAZINE	4.5	QT	12	3S11E22
ALMOND	2/6/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E22
ALMOND	2/6/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12	QT	12	3S11E22
ALMOND	2/6/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E22
ALMOND	2/6/07	G	GOAL 2XL	OXYFLUORFEN	3	PT	12	3S11E22
ALMOND	2/6/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	QT	12	3S11E22
ALMOND	2/5/07	G	PRINCEP 4L	SIMAZINE	60	PT	60	3S11E23
ALMOND	2/5/07	G	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	60	PT	60	3S11E23
ALMOND	2/5/07	G	GOAL 2XL	OXYFLUORFEN	75	PT	60	3S11E23
ALMOND	2/5/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	30	GA	60	3S11E23
ALMOND	2/16/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	6.25	GA	25	3S11E23
ALMOND	2/16/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	3	GA	12	3S11E23
ALMOND	2/16/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	6.25	GA	25	3S11E23
ALMOND	2/16/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	3	GA	12	3S11E23
ALMOND	2/20/07	G	PRINCEP CALIBER 90 HERBICIDE	SIMAZINE	20	LB	10	3S11E23
ALMOND	2/20/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	35	QT	35	3S11E23

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/20/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	35	QT	35	3S11E23
ALMOND	1/11/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	84	LB	84	3S11E24
ALMOND	1/11/07	G	DREXEL SIMAZINE 4L	SIMAZINE	8.5	GA	84	3S11E24
ALMOND	1/11/07	G	SHARK EW	CARFENTRAZONE-ETHYL	1.59	QT	84	3S11E24
ALMOND	1/11/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	10.2	GA	84	3S11E24
ALMOND	2/20/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	14.18	GA	39	3S11E24
ALMOND	2/20/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	45.38	PT	39	3S11E24
ALMOND	1/8/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E29
ALMOND	1/8/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E29
ALMOND	1/8/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S11E29
ALMOND	1/9/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E29
ALMOND	1/9/07	G	GOAL 2XL	OXYFLUORFEN	8	QT	16	3S11E29
ALMOND	1/9/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S11E29
ALMOND	1/10/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12	QT	6	3S11E29
ALMOND	1/10/07	G	GOAL 2XL	OXYFLUORFEN	6	QT	6	3S11E29
ALMOND	1/10/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	3.75	GA	6	3S11E29
WALNUT	1/15/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	8	3S11E29
WALNUT	1/15/07	G	GOAL 2XL	OXYFLUORFEN	8	QT	8	3S11E29
WALNUT	1/15/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	24	QT	8	3S11E29
ALMOND	1/25/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	6	3S11E29
ALMOND	1/25/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E29
ALMOND	1/25/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E29
ALMOND	1/25/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	6	3S11E29
ALMOND	2/1/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E29
ALMOND	2/1/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E29
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E29
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E29
ALMOND	1/2/07	G	SIM-TROL 4L	SIMAZINE	3	QT	8	3S11E30
ALMOND	1/2/07	G	SIM-TROL 4L	SIMAZINE	6	QT	16	3S11E30
ALMOND	1/2/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E30
ALMOND	1/2/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E30
ALMOND	1/2/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E30
ALMOND	1/2/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E30
ALMOND	1/2/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S11E30
ALMOND	1/2/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	10	QT	8	3S11E30
ALMOND	1/3/07	G	SIM-TROL 4L	SIMAZINE	12	QT	32	3S11E30
ALMOND	1/3/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	32	QT	32	3S11E30
ALMOND	1/3/07	G	GOAL 2XL	OXYFLUORFEN	8	PT	32	3S11E30

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/3/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	40	QT	32	3S11E30
WALNUT	1/22/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	5	3S11E30
WALNUT	1/22/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1	GA	5	3S11E30
WALNUT	1/22/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1	GA	5	3S11E30
WALNUT	1/22/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	1.88	GA	5	3S11E30
WALNUT	1/23/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	5	3S11E30
ALMOND	1/23/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	8	3S11E30
ALMOND	1/23/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	GA	8	3S11E30
WALNUT	1/23/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1	GA	5	3S11E30
WALNUT	1/23/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	5	3S11E30
ALMOND	1/23/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/23/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E30
ALMOND	1/23/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	6	QT	6	3S11E30
ALMOND	1/23/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	8	3S11E30
ALMOND	1/23/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E30
ALMOND	1/23/07	G	GOAL 2XL	OXYFLUORFEN	1.5	PT	6	3S11E30
WALNUT	1/23/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	1.88	GA	5	3S11E30
ALMOND	1/24/07	G	PRINCEP 4L	SIMAZINE	13.33	PT	20	3S11E30
ALMOND	1/24/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	4	3S11E30
ALMOND	1/24/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1	GA	4	3S11E30
ALMOND	1/24/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1	GA	4	3S11E30
ALMOND	1/24/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E30
ALMOND	1/24/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	20	QT	20	3S11E30
ALMOND	1/24/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	42.67	PT	20	3S11E30
ALMOND	1/24/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	1.5	LB	4	3S11E30
ALMOND	1/24/07	G	GOAL 2XL	OXYFLUORFEN	5	PT	20	3S11E30
ALMOND	1/24/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E30
ALMOND	1/24/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	85.33	OZ	20	3S11E30
ALMOND	1/25/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	8	3S11E30
ALMOND	1/25/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/25/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/25/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	8	3S11E30
ALMOND	1/26/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	8	3S11E30
ALMOND	1/26/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/26/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/26/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	8	3S11E30
ALMOND	2/1/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	QT	4	3S11E30
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	1	PT	4	3S11E30
ALMOND	2/16/07	G	SURFLAN A.S.	ORYZALIN	21	GA	42	3S11E6
ALMOND	2/16/07	G	GLYFOS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	21	GA	42	3S11E6
ALMOND	2/16/07	G	GOAL 2E HERBICIDE	OXYFLUORFEN	10.5	GA	42	3S11E6

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/17/07	G	SURFLAN A.S.	ORYZALIN	10.5	GA	21	3S11E6
ALMOND	2/17/07	G	GLYFOS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	10.5	GA	21	3S11E6
ALMOND	2/17/07	G	GOAL 2E HERBICIDE	OXYFLUORFEN	5.25	GA	21	3S11E6
ALMOND	2/6/07	G	DREXEL SIMAZINE 4L	SIMAZINE	24	PT	24	3S11E8
ALMOND	2/6/07	G	ORYZALIN 4 A.S.	ORYZALIN	24	PT	24	3S11E8
ALMOND	1/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	2.2	LB	86	3S12E7
ALMOND	1/24/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	20	GA	86	3S12E7
ALMOND	2/22/07	G	FIRESTORM	PARAQUAT DICHLORIDE	10	GA	43.33	3S12E7

Figure IV-17. Location of Pesticide applications for Dry Creek @ Wellsford Rd. – storm 1 RS.



Dry Creek @ Wellsford Rd – storm 2 (2/28/07)

Table IV-19. Pesticide applications for Dry Creek @ Wellsford Rd. – storm 2

Commodity	Date applied	Application method	Product Name	AI	Quantity used	Units	Acres treated	TRS
OAT FOR/FOD	1/30/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	2.49	GA	35	2S10E36
OAT FOR/FOD	1/30/07	G	SHARK EW	CARFENTRAZONE-ETHYL	31.85	OZ	35	2S10E36
OAT FOR/FOD	1/10/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	1600	OZ	100	3S10E1
OAT FOR/FOD	1/10/07	G	SHARK EW	CARFENTRAZONE-ETHYL	170	PT	100	3S10E1
OAT FOR/FOD	1/25/07	G	SHARK EW	CARFENTRAZONE-ETHYL	3.91	QT	100	3S10E1
OAT FOR/FOD	1/18/07	G	SHARK EW	CARFENTRAZONE-ETHYL	3.29	QT	90	3S10E11
OAT FOR/FOD	1/25/07	G	SHARK EW	CARFENTRAZONE-ETHYL	7.83	QT	200	3S10E12
OAT FOR/FOD	1/19/07	G	RIVERDALE MCPA-4 AMINE	MCPA, DIMETHYLAMINE SALT	3.75	GA	28	3S10E21
OAT FOR/FOD	1/19/07	G	SHARK EW	CARFENTRAZONE-ETHYL	28	OZ	28	3S10E21
GRAPE, WINE	2/7/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	3.28	GA	7	3S10E21
GRAPE, WINE	2/7/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	6.58	LB	7	3S10E21
GRAPE, WINE	2/8/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	5.62	GA	15	3S10E21
GRAPE, WINE	2/8/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	11.28	LB	15	3S10E21
PLUM	2/28/07	G	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	45	OZ	5	3S10E21
PEACH	2/28/07	G	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	45	OZ	5	3S10E21
PLUM	2/28/07	G	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	36	OZ	4	3S10E21
NECTARINE	2/28/07	G	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	180	OZ	20	3S10E21
PEACH	2/28/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	6.67	PT	5	3S10E21
NECTARINE	2/28/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	26.67	PT	20	3S10E21
PLUM	2/28/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	6.67	PT	5	3S10E21
PLUM	2/28/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	5.33	PT	4	3S10E21
GRAPE, WINE	2/1/07	G	GOAL 2XL	OXYFLUORFEN	64.5	PT	21.5	3S10E24
GRAPE, WINE	2/1/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	172	PT	21.5	3S10E24
GRAPE, WINE	2/1/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	107.5	PT	21.5	3S10E24
ALMOND	1/3/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	31.9	GA	67	3S10E25
ALMOND	1/3/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	31.9	QT	67	3S10E25
ALMOND	1/3/07	G	GOAL 2XL	OXYFLUORFEN	153.14	OZ	67	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.19	GA	2.5	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.55	GA	3.25	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	0.71	GA	1.5	3S10E25
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.19	QT	2.5	3S10E25
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	0.71	QT	1.5	3S10E25

Commodity	Date applied	Application method	Product Name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.55	QT	3.25	3S10E25
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	3.43	OZ	1.5	3S10E25
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	7.43	OZ	3.25	3S10E25
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	5.71	OZ	2.5	3S10E25
ALMOND	1/17/07	G	SIM-TROL 4L	SIMAZINE	3	PT	4	3S10E25
ALMOND	1/17/07	G	SIM-TROL 4L	SIMAZINE	12	PT	16	3S10E25
ALMOND	1/17/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S10E25
ALMOND	1/17/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	QT	4	3S10E25
ALMOND	1/17/07	G	GOAL 2XL	OXYFLUORFEN	1	PT	4	3S10E25
ALMOND	1/17/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S10E25
ALMOND	1/17/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	5	QT	4	3S10E25
ALMOND	1/17/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S10E25
ALMOND	1/29/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12	QT	16	3S10E25
ALMOND	1/29/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.6	QT	2.6	3S10E25
ALMOND	1/29/07	G	GOAL 2XL	OXYFLUORFEN	2.5	PT	16	3S10E25
ALMOND	1/29/07	G	GOAL 2XL	OXYFLUORFEN	0.65	PT	2.6	3S10E25
ALMOND	2/14/07	G	TOUCHDOWN HERBICIDE	GLYPHOSATE, DIAMMONIUM SALT	6	GA	12.5	3S10E25
ALMOND	2/14/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	12.5	LB	12.5	3S10E25
ALMOND	2/14/07	G	DREXEL SIMAZINE 4L	SIMAZINE	3.5	GA	12.5	3S10E25
ALMOND	2/14/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	2.5	GA	12.5	3S10E25
ALMOND	2/21/07	G	SURFLAN A.S.	ORYZALIN	8.5	GA	19	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.19	GA	2.5	3S10E26
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.19	QT	2.5	3S10E26
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	5.71	OZ	2.5	3S10E26
ALMOND	1/21/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	15	PT	5	3S10E26
ALMOND	1/21/07	G	GOAL 2XL	OXYFLUORFEN	40	OZ	5	3S10E26
ALMOND	1/21/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	QT	5	3S10E26
ALMOND	2/15/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	5	QT	5	3S10E26
ALMOND	2/15/07	G	GOAL 2XL	OXYFLUORFEN	40	OZ	5	3S10E26
ALMOND	2/15/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	QT	5	3S10E26
ALMOND	2/21/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	15	PT	5	3S10E26
ALMOND	1/11/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	27	3S10E27
ALMOND	1/11/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	27	3S10E27
WALNUT	1/13/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/13/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/15/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/15/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
ALMOND	1/16/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	27	3S10E27
ALMOND	1/16/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	27	3S10E27
WALNUT	1/17/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27

Commodity	Date applied	Application method	Product Name	AI	Quantity used	Units	Acres treated	TRS
			NUFARM CREDIT SYSTEMIC					
WALNUT	1/17/07	G	HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/18/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/18/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/19/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/19/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	2/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.57	GA	4.5	3S10E27
WALNUT	2/7/07	G	ROUNDUP ULTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	9	OZ	1	3S10E27
WALNUT	2/15/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	640	OZ	55	3S10E27
ALMOND	1/6/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1	QT	2.5	3S10E28
ALMOND	1/6/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	0.5	LB	2.5	3S10E28
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	8	OZ	2.5	3S10E28
WALNUT	2/20/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	6	QT	6	3S10E28
WALNUT	2/20/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	6	QT	6	3S10E28
WALNUT	2/20/07	G	GOAL 2XL	OXYFLUORFEN	6	QT	6	3S10E28
WALNUT	1/25/07	G	DIREX 4L	DIURON	44	GA	136	3S11E13
WALNUT	1/25/07	G	SIMAZINE 4L FLOWABLE HERBICIDE	SIMAZINE	44	GA	136	3S11E13
WALNUT	1/25/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	29	GA	136	3S11E13
WALNUT	1/25/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	7.34	GA	136	3S11E13
ALMOND	1/29/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	938.18	PT	430	3S11E15
ALMOND	1/29/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	625.45	PT	430	3S11E15
ALMOND	1/29/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	156.36	PT	430	3S11E15
WALNUT	2/17/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	80	PT	40	3S11E15
WALNUT	2/17/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	53.33	PT	40	3S11E15
WALNUT	2/17/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	13.33	PT	40	3S11E15
ALMOND	1/29/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	528	PT	242	3S11E16
ALMOND	1/29/07	G	ROUNDUP ORIGINA MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	352	PT	242	3S11E16
ALMOND	1/29/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	88	PT	242	3S11E16
WALNUT	2/10/07	G	DIREX 4L	DIURON	7.5	GA	40	3S11E16
WALNUT	2/10/07	G	SIM-TROL 4L	SIMAZINE	5	GA	40	3S11E16
WALNUT	2/10/07	G	MON-52249 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	5	GA	40	3S11E16
WALNUT	2/10/07	G	GOAL 1.6E HERBICIDE	OXYFLUORFEN	5	QT	40	3S11E16
WALNUT	2/10/07	G	FARMSAVER.COM ORYZALIN 4 A.S.	ORYZALIN	5	QT	40	3S11E16
ALMOND	1/22/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	86.85	3S11E18
ALMOND	1/22/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	86.85	3S11E18
ALMOND	1/22/07	G	GOALTENDER	OXYFLUORFEN	4	PT	86.85	3S11E18
WALNUT	1/25/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	27	3S11E18
WALNUT	1/25/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	27	3S11E18
WALNUT	1/25/07	G	GOALTENDER	OXYFLUORFEN	1	PT	27	3S11E18
ALMOND	1/26/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	13.05	3S11E18

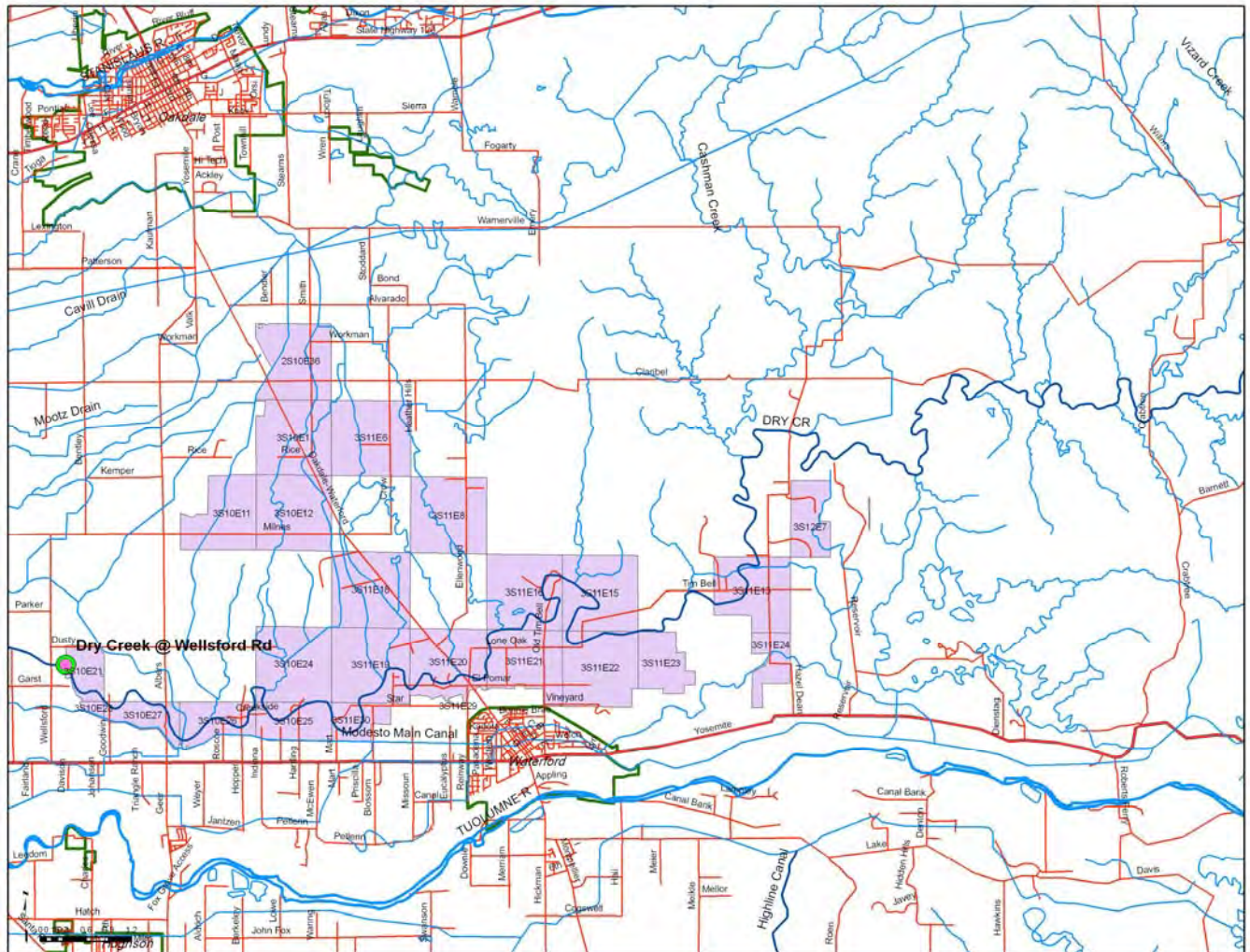
Commodity	Date applied	Application method	Product Name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/26/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	13.05	3S11E18
ALMOND	1/26/07	G	GOALTENDER	OXYFLUORFEN	4	PT	13.05	3S11E18
ALMOND	1/27/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	35.55	3S11E18
ALMOND	1/27/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	35.55	3S11E18
ALMOND	1/27/07	G	GOALTENDER	OXYFLUORFEN	4	PT	35.55	3S11E18
PISTACHIO	2/5/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.8	GA	2.8	3S11E18
PISTACHIO	2/5/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	9	GA	9	3S11E18
PISTACHIO	2/5/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.4	GA	9	3S11E18
PISTACHIO	2/5/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	0.747	GA	2.8	3S11E18
PISTACHIO	2/5/07	G	GOALTENDER	OXYFLUORFEN	4.5	GA	9	3S11E18
PISTACHIO	2/5/07	G	GOALTENDER	OXYFLUORFEN	1.4	GA	2.8	3S11E18
WHEAT FOR/FOD	2/7/07	G	SHARK EW	CARFENTRAZONE-ETHYL	70	OZ	70	3S11E18
WHEAT FOR/FOD	2/8/07	G	SHARK EW	CARFENTRAZONE-ETHYL	10	OZ	10	3S11E18
PISTACHIO	2/25/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	56	GA	56	3S11E18
PISTACHIO	2/25/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	14.931	GA	56	3S11E18
PISTACHIO	2/25/07	G	GOALTENDER	OXYFLUORFEN	28	GA	56	3S11E18
WALNUT	1/19/07	G	PRINCEP 4L	SIMAZINE	28.8	GA	24	3S11E19
WALNUT	1/19/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	34.56	PT	24	3S11E19
WALNUT	1/19/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	92.16	OZ	24	3S11E19
ALMOND	2/24/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	21.402	GA	53.5	3S11E20
ALMOND	2/24/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	1.875	GA	7.5	3S11E20
ALMOND	2/24/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	21.402	GA	53.5	3S11E20
ALMOND	2/24/07	G	PRINCEP 4L	SIMAZINE	13.376	GA	53.5	3S11E20
ALMOND	2/24/07	G	PRINCEP 4L	SIMAZINE	1.875	GA	7.5	3S11E20
ALMOND	2/24/07	G	PRINCEP 4L	SIMAZINE	13.376	GA	53.5	3S11E20
ALMOND	2/24/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	71.321	LB	53.5	3S11E20
ALMOND	2/24/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	7.601	LB	7.5	3S11E20
ALMOND	2/24/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	71.321	LB	53.5	3S11E20
ALMOND	2/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	0.836	GA	53.5	3S11E20
ALMOND	2/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	0.836	GA	53.5	3S11E20
ALMOND	2/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	0.063	GA	7.5	3S11E20
ALMOND	1/19/07	G	PRINCEP 4L	SIMAZINE	49.5	PT	33	3S11E21
ALMOND	1/19/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	66	PT	33	3S11E21
ALMOND	1/19/07	G	CHIEF 3SC	OXYFLUORFEN	99	PT	33	3S11E21
ALMOND	1/19/07	G	CHIEF 3SC	GLYPHOSATE, ISOPROPYLAMINE SALT	99	PT	33	3S11E21
ALMOND	1/20/07	G	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	7	GA	40	3S11E21
ALMOND	1/31/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	38.4	PT	32	3S11E21
ALMOND	1/31/07	G	GOAL 2XL	OXYFLUORFEN	32	PT	32	3S11E21
ALMOND	1/31/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	80	PT	32	3S11E21
ALMOND	2/20/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	8	GA	15	3S11E21
PERSIMMON	2/20/07	G	MON-65005 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	108	OZ	6	3S11E21

Commodity	Date applied	Application method	Product Name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/20/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	GA	15	3S11E21
ALMOND	1/2/07	G	MON-35085	GLYPHOSATE, ISOPROPYLAMINE SALT	65	QT	65	3S11E22
WALNUT	1/9/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	20	QT	20	3S11E22
WALNUT	1/9/07	G	PRINCEP CALIBER 90 HERBICIDE	SIMAZINE	50	LB	20	3S11E22
WALNUT	1/9/07	G	DIREX 4L	DIURON	50	QT	20	3S11E22
WALNUT	1/9/07	G	SABER CA	2,4-D, DIMETHYLAMINE SALT	20	QT	20	3S11E22
ALMOND	2/6/07	G	SIM-TROL 4L	SIMAZINE	4.5	QT	12	3S11E22
ALMOND	2/6/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E22
ALMOND	2/6/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12	QT	12	3S11E22
ALMOND	2/6/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E22
ALMOND	2/6/07	G	GOAL 2XL	OXYFLUORFEN	3	PT	12	3S11E22
ALMOND	2/6/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	QT	12	3S11E22
ALMOND	2/5/07	G	PRINCEP 4L	SIMAZINE	60	PT	60	3S11E23
ALMOND	2/5/07	G	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	60	PT	60	3S11E23
ALMOND	2/5/07	G	GOAL 2XL	OXYFLUORFEN	75	PT	60	3S11E23
ALMOND	2/5/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	30	GA	60	3S11E23
ALMOND	2/16/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	6.25	GA	25	3S11E23
ALMOND	2/16/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	3	GA	12	3S11E23
ALMOND	2/16/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	6.25	GA	25	3S11E23
ALMOND	2/16/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	3	GA	12	3S11E23
ALMOND	2/20/07	G	PRINCEP CALIBER 90 HERBICIDE	SIMAZINE	20	LB	10	3S11E23
ALMOND	2/20/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	35	QT	35	3S11E23
ALMOND	2/20/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	35	QT	35	3S11E23
ALMOND	1/11/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	84	LB	84	3S11E24
ALMOND	1/11/07	G	DREXEL SIMAZINE 4L	SIMAZINE	8.5	GA	84	3S11E24
ALMOND	1/11/07	G	SHARK EW	CARFENTRAZONE-ETHYL	1.59	QT	84	3S11E24
ALMOND	1/11/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	10.2	GA	84	3S11E24
ALMOND	2/20/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	14.18	GA	39	3S11E24
ALMOND	2/20/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	45.38	PT	39	3S11E24
ALMOND	1/8/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E29
ALMOND	1/8/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E29
ALMOND	1/8/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S11E29
ALMOND	1/9/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E29
ALMOND	1/9/07	G	GOAL 2XL	OXYFLUORFEN	8	QT	16	3S11E29
ALMOND	1/9/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S11E29
ALMOND	1/10/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12	QT	6	3S11E29
ALMOND	1/10/07	G	GOAL 2XL	OXYFLUORFEN	6	QT	6	3S11E29

Commodity	Date applied	Application method	Product Name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/10/07	G	SURFLAN A.S. AGRICULTURA HERBICIDE	ORYZALIN	3.75	GA	6	3S11E29
WALNUT	1/15/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	8	3S11E29
WALNUT	1/15/07	G	GOAL 2XL	OXYFLUORFEN	8	QT	8	3S11E29
WALNUT	1/15/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	24	QT	8	3S11E29
ALMOND	1/25/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	6	3S11E29
ALMOND	1/25/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E29
ALMOND	1/25/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E29
ALMOND	1/25/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	6	3S11E29
ALMOND	2/1/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E29
ALMOND	2/1/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E29
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E29
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E29
ALMOND	2/28/07	G	ROUNDUP HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	4	3S11E29
ALMOND	2/28/07	G	ROUNDUP HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	QT	2	3S11E29
ALMOND	2/28/07	G	GOAL 1.6E HERBICIDE	OXYFLUORFEN	2	QT	2	3S11E29
ALMOND	2/28/07	G	GOAL 1.6E HERBICIDE	OXYFLUORFEN	4	QT	4	3S11E29
ALMOND	1/2/07	G	SIM-TROL 4L	SIMAZINE	3	QT	8	3S11E30
ALMOND	1/2/07	G	SIM-TROL 4L	SIMAZINE	6	QT	16	3S11E30
ALMOND	1/2/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E30
ALMOND	1/2/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E30
ALMOND	1/2/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E30
ALMOND	1/2/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E30
ALMOND	1/2/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S11E30
ALMOND	1/2/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	10	QT	8	3S11E30
ALMOND	1/3/07	G	SIM-TROL 4L	SIMAZINE	12	QT	32	3S11E30
ALMOND	1/3/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	32	QT	32	3S11E30
ALMOND	1/3/07	G	GOAL 2XL	OXYFLUORFEN	8	PT	32	3S11E30
ALMOND	1/3/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	40	QT	32	3S11E30
WALNUT	1/22/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	5	3S11E30
WALNUT	1/22/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1	GA	5	3S11E30
WALNUT	1/22/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1	GA	5	3S11E30
WALNUT	1/22/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	1.88	GA	5	3S11E30
WALNUT	1/23/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	5	3S11E30
ALMOND	1/23/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	8	3S11E30
ALMOND	1/23/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	GA	8	3S11E30
WALNUT	1/23/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1	GA	5	3S11E30
WALNUT	1/23/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	5	3S11E30

Commodity	Date applied	Application method	Product Name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/23/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/23/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E30
ALMOND	1/23/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	6	QT	6	3S11E30
ALMOND	1/23/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	8	3S11E30
ALMOND	1/23/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E30
ALMOND	1/23/07	G	GOAL 2XL	OXYFLUORFEN	1.5	PT	6	3S11E30
WALNUT	1/23/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	1.88	GA	5	3S11E30
ALMOND	1/24/07	G	PRINCEP 4L	SIMAZINE	13.33	PT	20	3S11E30
ALMOND	1/24/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	4	3S11E30
ALMOND	1/24/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1	GA	4	3S11E30
ALMOND	1/24/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1	GA	4	3S11E30
ALMOND	1/24/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E30
ALMOND	1/24/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	20	QT	20	3S11E30
ALMOND	1/24/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	42.67	PT	20	3S11E30
ALMOND	1/24/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	1.5	LB	4	3S11E30
ALMOND	1/24/07	G	GOAL 2XL	OXYFLUORFEN	5	PT	20	3S11E30
ALMOND	1/24/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E30
ALMOND	1/24/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	85.33	OZ	20	3S11E30
ALMOND	1/25/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	8	3S11E30
ALMOND	1/25/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/25/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/25/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	8	3S11E30
ALMOND	1/26/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	8	3S11E30
ALMOND	1/26/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/26/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/26/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	8	3S11E30
ALMOND	2/1/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	QT	4	3S11E30
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	1	PT	4	3S11E30
ALMOND	2/16/07	G	SURFLAN A.S.	ORYZALIN	21	GA	42	3S11E6
ALMOND	2/16/07	G	GLYFOS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	21	GA	42	3S11E6
ALMOND	2/16/07	G	GOAL 2E HERBICIDE	OXYFLUORFEN	10.5	GA	42	3S11E6
ALMOND	2/17/07	G	SURFLAN A.S.	ORYZALIN	10.5	GA	21	3S11E6
ALMOND	2/17/07	G	GLYFOS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	10.5	GA	21	3S11E6
ALMOND	2/17/07	G	GOAL 2E HERBICIDE	OXYFLUORFEN	5.25	GA	21	3S11E6
ALMOND	2/6/07	G	DREXEL SIMAZINE 4L	SIMAZINE	24	PT	24	3S11E8
ALMOND	2/6/07	G	ORYZALIN 4 A.S.	ORYZALIN	24	PT	24	3S11E8
ALMOND	1/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	2.2	LB	86	3S12E7
ALMOND	1/24/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	20	GA	86	3S12E7
ALMOND	2/22/07	G	FIRESTORM	PARAQUAT DICHLORIDE	10	GA	43.33	3S12E7

Figure IV-18. Location of Pesticide applications for Dry Creek @ Wellsford Rd. – storm 2



Dry Creek @ Wellsford Rd – storm 2 RS (3/07/07)

Table IV-20. Pesticide applications for Dry Creek @ Wellsford Rd. – storm 2 RS

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Treated acres	TRS
OAT FOR/FOD	1/30/07	G	SHARK EW	CARFENTRAZONE-ETHYL	31.85	OZ	35	2S10E36
OAT FOR/FOD	1/30/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	2.49	GA	35	2S10E36
OAT FOR/FOD	1/10/07	G	SHARK EW	CARFENTRAZONE-ETHYL	170	PT	100	3S10E1
OAT FOR/FOD	1/10/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	1600	OZ	100	3S10E1
OAT FOR/FOD	1/25/07	G	SHARK EW	CARFENTRAZONE-ETHYL	3.91	QT	100	3S10E1
OAT FOR/FOD	1/18/07	G	SHARK EW	CARFENTRAZONE-ETHYL	3.29	QT	90	3S10E11
OAT FOR/FOD	1/25/07	G	SHARK EW	CARFENTRAZONE-ETHYL	7.83	QT	200	3S10E12
OAT FOR/FOD	1/19/07	G	SHARK EW	CARFENTRAZONE-ETHYL	28	OZ	28	3S10E21
OAT FOR/FOD	1/19/07	G	RIVERDALE MCPA-4 AMINE	MCPA, DIMETHYLAMINE SALT	3.75	GA	28	3S10E21
GRAPE, WINE	2/7/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	6.58	LB	7	3S10E21
GRAPE, WINE	2/7/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	3.28	GA	7	3S10E21
GRAPE, WINE	2/8/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	11.28	LB	15	3S10E21
GRAPE, WINE	2/8/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	5.62	GA	15	3S10E21
PLUM	2/28/07	G	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	45	OZ	5	3S10E21
PEACH	2/28/07	G	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	45	OZ	5	3S10E21
PLUM	2/28/07	G	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	36	OZ	4	3S10E21
NECTARINE	2/28/07	G	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	180	OZ	20	3S10E21
PEACH	2/28/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	6.67	PT	5	3S10E21
NECTARINE	2/28/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	26.67	PT	20	3S10E21
PLUM	2/28/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	6.67	PT	5	3S10E21
PLUM	2/28/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	5.33	PT	4	3S10E21
GRAPE, WINE	2/1/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	107.5	PT	21.5	3S10E24
GRAPE, WINE	2/1/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	172	PT	21.5	3S10E24
GRAPE, WINE	2/1/07	G	GOAL 2XL	OXYFLUORFEN	64.5	PT	21.5	3S10E24
ALMOND	1/3/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	31.9	QT	67	3S10E25
ALMOND	1/3/07	G	GOAL 2XL	OXYFLUORFEN	153.14	OZ	67	3S10E25
ALMOND	1/3/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	31.9	GA	67	3S10E25
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.19	QT	2.5	3S10E25
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	0.71	QT	1.5	3S10E25
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.55	QT	3.25	3S10E25

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Treated acres	TRS
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	3.43	OZ	1.5	3S10E25
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	7.43	OZ	3.25	3S10E25
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	5.71	OZ	2.5	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.19	GA	2.5	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.55	GA	3.25	3S10E25
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	0.71	GA	1.5	3S10E25
ALMOND	1/17/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S10E25
ALMOND	1/17/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	QT	4	3S10E25
ALMOND	1/17/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	5	QT	4	3S10E25
ALMOND	1/17/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S10E25
ALMOND	1/17/07	G	GOAL 2XL	OXYFLUORFEN	1	PT	4	3S10E25
ALMOND	1/17/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S10E25
ALMOND	1/17/07	G	SIM-TROL 4L	SIMAZINE	3	PT	4	3S10E25
ALMOND	1/17/07	G	SIM-TROL 4L	SIMAZINE	12	PT	16	3S10E25
ALMOND	1/29/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12	QT	16	3S10E25
ALMOND	1/29/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.6	QT	2.6	3S10E25
ALMOND	1/29/07	G	GOAL 2XL	OXYFLUORFEN	2.5	PT	16	3S10E25
ALMOND	1/29/07	G	GOAL 2XL	OXYFLUORFEN	0.65	PT	2.6	3S10E25
ALMOND	2/14/07	G	TOUCHDOWN HERBICIDE	GLYPHOSATE, DIAMMONIUM SALT	6	GA	12.5	3S10E25
ALMOND	2/14/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	12.5	LB	12.5	3S10E25
ALMOND	2/14/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	2.5	GA	12.5	3S10E25
ALMOND	2/14/07	G	DREXEL SIMAZINE 4L	SIMAZINE	3.5	GA	12.5	3S10E25
ALMOND	2/21/07	G	SURFLAN A.S.	ORYZALIN	8.5	GA	19	3S10E25
ALMOND	1/6/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.19	QT	2.5	3S10E26
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	5.71	OZ	2.5	3S10E26
ALMOND	1/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.19	GA	2.5	3S10E26
ALMOND	1/21/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	QT	5	3S10E26
ALMOND	1/21/07	G	GOAL 2XL	OXYFLUORFEN	40	OZ	5	3S10E26
ALMOND	1/21/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	15	PT	5	3S10E26
ALMOND	2/15/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	5	QT	5	3S10E26
ALMOND	2/15/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	QT	5	3S10E26
ALMOND	2/15/07	G	GOAL 2XL	OXYFLUORFEN	40	OZ	5	3S10E26
ALMOND	2/21/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	15	PT	5	3S10E26
ALMOND	1/11/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	27	3S10E27
ALMOND	1/11/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	27	3S10E27
WALNUT	1/13/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/13/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/15/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/15/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
ALMOND	1/16/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	27	3S10E27

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Treated acres	TRS
ALMOND	1/16/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	27	3S10E27
WALNUT	1/17/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/17/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/18/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/18/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	1/19/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	190	3S10E27
WALNUT	1/19/07	G	GOAL 2XL	OXYFLUORFEN	80	OZ	190	3S10E27
WALNUT	2/6/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1.57	GA	4.5	3S10E27
WALNUT	2/7/07	G	ROUNDUP ULTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	9	OZ	1	3S10E27
WALNUT	2/15/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	640	OZ	55	3S10E27
WALNUT	3/3/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	21	QT	6.8	3S10E27
WALNUT	3/3/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	7	PT	6.8	3S10E27
WALNUT	3/7/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2	PT	0.75	3S10E27
WALNUT	3/7/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	0.75	3S10E27
ALMOND	1/6/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	0.5	LB	2.5	3S10E28
ALMOND	1/6/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1	QT	2.5	3S10E28
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	8	OZ	2.5	3S10E28
WALNUT	2/20/07	G	GOAL 2XL	OXYFLUORFEN	6	QT	6	3S10E28
WALNUT	2/20/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	6	QT	6	3S10E28
WALNUT	2/20/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	6	QT	6	3S10E28
WALNUT	1/25/07	G	DIREX 4L	DIURON	44	GA	136	3S11E13
WALNUT	1/25/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	29	GA	136	3S11E13
WALNUT	1/25/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	7.34	GA	136	3S11E13
WALNUT	1/25/07	G	SIMAZINE 4L FLOWABLE HERBICIDE	SIMAZINE	44	GA	136	3S11E13
ALMOND	1/29/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	625.45	PT	430	3S11E15
ALMOND	1/29/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	156.36	PT	430	3S11E15
ALMOND	1/29/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	938.18	PT	430	3S11E15
WALNUT	2/17/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	53.33	PT	40	3S11E15
WALNUT	2/17/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	13.33	PT	40	3S11E15
WALNUT	2/17/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	80	PT	40	3S11E15
ALMOND	1/29/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	352	PT	242	3S11E16
ALMOND	1/29/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	88	PT	242	3S11E16
ALMOND	1/29/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	528	PT	242	3S11E16
WALNUT	2/10/07	G	DIREX 4L	DIURON	7.5	GA	40	3S11E16
WALNUT	2/10/07	G	MON-52249 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	5	GA	40	3S11E16
WALNUT	2/10/07	G	FARMSAVER.COM ORYZALIN 4 A.S.	ORYZALIN	5	QT	40	3S11E16
WALNUT	2/10/07	G	GOAL 1.6E HERBICIDE	OXYFLUORFEN	5	QT	40	3S11E16
WALNUT	2/10/07	G	SIM-TROL 4L	SIMAZINE	5	GA	40	3S11E16

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Treated acres	TRS
ALMOND	1/22/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	86.85	3S11E18
ALMOND	1/22/07	G	GOALTENDER	OXYFLUORFEN	4	PT	86.85	3S11E18
ALMOND	1/22/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	86.85	3S11E18
WALNUT	1/25/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	27	3S11E18
WALNUT	1/25/07	G	GOALTENDER	OXYFLUORFEN	1	PT	27	3S11E18
WALNUT	1/25/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	27	3S11E18
ALMOND	1/26/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	13.05	3S11E18
ALMOND	1/26/07	G	GOALTENDER	OXYFLUORFEN	4	PT	13.05	3S11E18
ALMOND	1/26/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	13.05	3S11E18
ALMOND	1/27/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	35.55	3S11E18
ALMOND	1/27/07	G	GOALTENDER	OXYFLUORFEN	4	PT	35.55	3S11E18
ALMOND	1/27/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	35.55	3S11E18
PISTACHIO	2/5/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.4	GA	9	3S11E18
PISTACHIO	2/5/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	0.747	GA	2.8	3S11E18
PISTACHIO	2/5/07	G	GOALTENDER	OXYFLUORFEN	4.5	GA	9	3S11E18
PISTACHIO	2/5/07	G	GOALTENDER	OXYFLUORFEN	1.4	GA	2.8	3S11E18
PISTACHIO	2/5/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.8	GA	2.8	3S11E18
PISTACHIO	2/5/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	9	GA	9	3S11E18
WHEAT FOR/FOD	2/7/07	G	SHARK EW	CARFENTRAZONE-ETHYL	70	OZ	70	3S11E18
WHEAT FOR/FOD	2/8/07	G	SHARK EW	CARFENTRAZONE-ETHYL	10	OZ	10	3S11E18
PISTACHIO	2/25/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	14.931	GA	56	3S11E18
PISTACHIO	2/25/07	G	GOALTENDER	OXYFLUORFEN	28	GA	56	3S11E18
PISTACHIO	2/25/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	56	GA	56	3S11E18
WALNUT	1/19/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	34.56	PT	24	3S11E19
WALNUT	1/19/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	92.16	OZ	24	3S11E19
WALNUT	1/19/07	G	PRINCEP 4L	SIMAZINE	28.8	GA	24	3S11E19
ALMOND	2/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	0.836	GA	53.5	3S11E20
ALMOND	2/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	0.836	GA	53.5	3S11E20
ALMOND	2/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	0.063	GA	7.5	3S11E20
ALMOND	2/24/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	21.402	GA	53.5	3S11E20
ALMOND	2/24/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	1.875	GA	7.5	3S11E20
ALMOND	2/24/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	21.402	GA	53.5	3S11E20
ALMOND	2/24/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	71.321	LB	53.5	3S11E20
ALMOND	2/24/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	7.601	LB	7.5	3S11E20
ALMOND	2/24/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	71.321	LB	53.5	3S11E20
ALMOND	2/24/07	G	PRINCEP 4L	SIMAZINE	13.376	GA	53.5	3S11E20
ALMOND	2/24/07	G	PRINCEP 4L	SIMAZINE	1.875	GA	7.5	3S11E20
ALMOND	2/24/07	G	PRINCEP 4L	SIMAZINE	13.376	GA	53.5	3S11E20
ALMOND	1/19/07	G	CHIEF 3SC	GLYPHOSATE, ISOPROPYLAMINE SALT	99	PT	33	3S11E21
ALMOND	1/19/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	66	PT	33	3S11E21
ALMOND	1/19/07	G	CHIEF 3SC	OXYFLUORFEN	99	PT	33	3S11E21

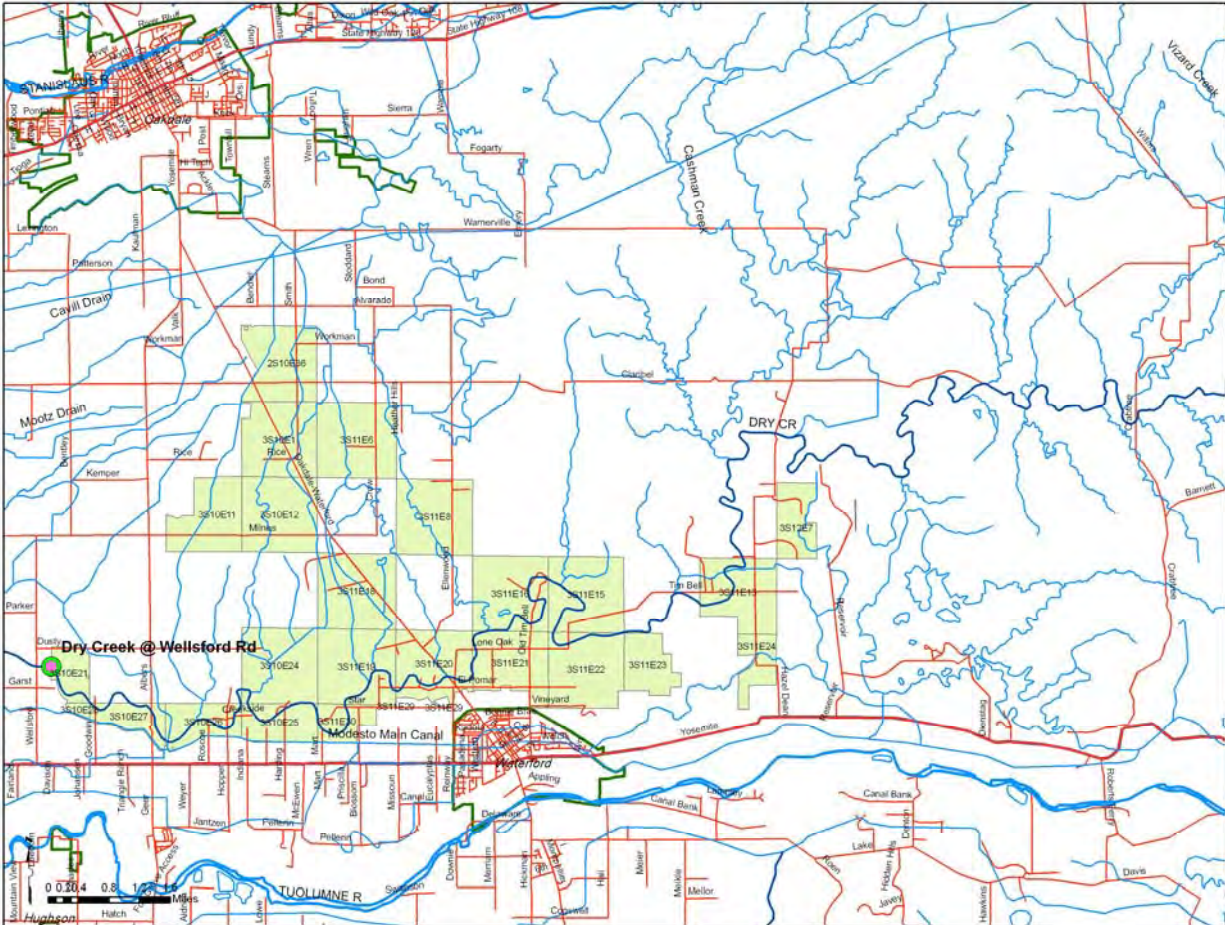
Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Treated acres	TRS
ALMOND	1/19/07	G	PRINCEP 4L	SIMAZINE	49.5	PT	33	3S11E21
ALMOND	1/20/07	G	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	7	GA	40	3S11E21
ALMOND	1/31/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	38.4	PT	32	3S11E21
ALMOND	1/31/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	80	PT	32	3S11E21
ALMOND	1/31/07	G	GOAL 2XL	OXYFLUORFEN	32	PT	32	3S11E21
ALMOND	2/20/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	8	GA	15	3S11E21
PERSIMMON	2/20/07	G	MON-65005 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	108	OZ	6	3S11E21
ALMOND	2/20/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	GA	15	3S11E21
CHESTNUT	3/2/07	G	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	75	OZ	4	3S11E21
ALMOND	1/2/07	G	MON-35085	GLYPHOSATE, ISOPROPYLAMINE SALT	65	QT	65	3S11E22
WALNUT	1/9/07	G	SABER CA	2,4-D, DIMETHYLAMINE SALT	20	QT	20	3S11E22
WALNUT	1/9/07	G	DIREX 4L	DIURON	50	QT	20	3S11E22
WALNUT	1/9/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	20	QT	20	3S11E22
WALNUT	1/9/07	G	PRINCEP CALIBER 90 HERBICIDE	SIMAZINE	50	LB	20	3S11E22
ALMOND	2/6/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E22
ALMOND	2/6/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12	QT	12	3S11E22
ALMOND	2/6/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	QT	12	3S11E22
ALMOND	2/6/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E22
ALMOND	2/6/07	G	GOAL 2XL	OXYFLUORFEN	3	PT	12	3S11E22
ALMOND	2/6/07	G	SIM-TROL 4L	SIMAZINE	4.5	QT	12	3S11E22
ALMOND	2/5/07	G	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	60	PT	60	3S11E23
ALMOND	2/5/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	30	GA	60	3S11E23
ALMOND	2/5/07	G	GOAL 2XL	OXYFLUORFEN	75	PT	60	3S11E23
ALMOND	2/5/07	G	PRINCEP 4L	SIMAZINE	60	PT	60	3S11E23
ALMOND	2/16/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	6.25	GA	25	3S11E23
ALMOND	2/16/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	3	GA	12	3S11E23
ALMOND	2/16/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	6.25	GA	25	3S11E23
ALMOND	2/16/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	3	GA	12	3S11E23
ALMOND	2/20/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	35	QT	35	3S11E23
ALMOND	2/20/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	35	QT	35	3S11E23
ALMOND	2/20/07	G	PRINCEP CALIBER 90 HERBICIDE	SIMAZINE	20	LB	10	3S11E23
WALNUT	3/5/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	75	PT	37.5	3S11E23
WALNUT	3/5/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	75	PT	37.5	3S11E23
ALMOND	3/5/07	G	GOAL 2XL	OXYFLUORFEN	40	PT	10	3S11E23
ALMOND	3/5/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	40	PT	10	3S11E23
ALMOND	3/5/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	10	GA	10	3S11E23

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Treated acres	TRS
WALNUT	3/5/07	G	PRINCEP CALIBER 90 HERBICIDE	SIMAZINE	14	LB	7.5	3S11E23
WALNUT	3/7/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	37.5	QT	37.5	3S11E23
WALNUT	3/7/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	37.5	QT	37.5	3S11E23
WALNUT	3/7/07	G	PRINCEP CALIBER 90 HERBICIDE	SIMAZINE	12.5	LB	37.5	3S11E23
ALMOND	1/11/07	G	SHARK EW	CARFENTRAZONE-ETHYL GLYPHOSATE, ISOPROPYLAMINE SALT	1.59	QT	84	3S11E24
ALMOND	1/11/07	G	GLY-4 PLUS HERBICIDE	ISOPROPYLAMINE SALT	10.2	GA	84	3S11E24
ALMOND	1/11/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	84	LB	84	3S11E24
ALMOND	1/11/07	G	DREXEL SIMAZINE 4L	SIMAZINE	8.5	GA	84	3S11E24
ALMOND	2/20/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	45.38	PT	39	3S11E24
ALMOND	2/20/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	14.18	GA	39	3S11E24
ALMOND	3/3/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	70	PT	70	3S11E24
ALMOND	1/8/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E29
ALMOND	1/8/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S11E29
ALMOND	1/8/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E29
ALMOND	1/9/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E29
ALMOND	1/9/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S11E29
ALMOND	1/9/07	G	GOAL 2XL	OXYFLUORFEN	8	QT	16	3S11E29
ALMOND	1/10/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12	QT	6	3S11E29
ALMOND	1/10/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	3.75	GA	6	3S11E29
ALMOND	1/10/07	G	GOAL 2XL	OXYFLUORFEN	6	QT	6	3S11E29
WALNUT	1/15/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	8	3S11E29
WALNUT	1/15/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	24	QT	8	3S11E29
WALNUT	1/15/07	G	GOAL 2XL	OXYFLUORFEN	8	QT	8	3S11E29
ALMOND	1/25/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	6	3S11E29
ALMOND	1/25/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E29
ALMOND	1/25/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E29
ALMOND	1/25/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	6	3S11E29
ALMOND	2/1/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E29
ALMOND	2/1/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E29
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E29
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E29
ALMOND	2/28/07	G	ROUNDUP HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	4	3S11E29
ALMOND	2/28/07	G	ROUNDUP HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	QT	2	3S11E29
ALMOND	2/28/07	G	GOAL 1.6E HERBICIDE	OXYFLUORFEN	2	QT	2	3S11E29
ALMOND	2/28/07	G	GOAL 1.6E HERBICIDE	OXYFLUORFEN	4	QT	4	3S11E29
ALMOND	1/2/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E30
ALMOND	1/2/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	QT	16	3S11E30

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Treated acres	TRS
ALMOND	1/2/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	20	QT	16	3S11E30
ALMOND	1/2/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	10	QT	8	3S11E30
ALMOND	1/2/07	G	GOAL 2XL	OXYFLUORFEN	4	PT	16	3S11E30
ALMOND	1/2/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E30
ALMOND	1/2/07	G	SIM-TROL 4L	SIMAZINE	3	QT	8	3S11E30
ALMOND	1/2/07	G	SIM-TROL 4L	SIMAZINE	6	QT	16	3S11E30
ALMOND	1/3/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	32	QT	32	3S11E30
ALMOND	1/3/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	40	QT	32	3S11E30
ALMOND	1/3/07	G	GOAL 2XL	OXYFLUORFEN	8	PT	32	3S11E30
ALMOND	1/3/07	G	SIM-TROL 4L	SIMAZINE	12	QT	32	3S11E30
WALNUT	1/22/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1	GA	5	3S11E30
WALNUT	1/22/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1	GA	5	3S11E30
WALNUT	1/22/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	1.88	GA	5	3S11E30
WALNUT	1/22/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	5	3S11E30
ALMOND	1/23/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	GA	8	3S11E30
WALNUT	1/23/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1	GA	5	3S11E30
ALMOND	1/23/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	8	3S11E30
WALNUT	1/23/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	5	3S11E30
ALMOND	1/23/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/23/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E30
ALMOND	1/23/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	6	QT	6	3S11E30
ALMOND	1/23/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E30
ALMOND	1/23/07	G	GOAL 2XL	OXYFLUORFEN	1.5	PT	6	3S11E30
WALNUT	1/23/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	1.88	GA	5	3S11E30
WALNUT	1/23/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	5	3S11E30
ALMOND	1/23/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	8	3S11E30
ALMOND	1/24/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1	GA	4	3S11E30
ALMOND	1/24/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	1.5	LB	4	3S11E30
ALMOND	1/24/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1	GA	4	3S11E30
ALMOND	1/24/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8	QT	8	3S11E30
ALMOND	1/24/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	20	QT	20	3S11E30
ALMOND	1/24/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	42.67	PT	20	3S11E30
ALMOND	1/24/07	G	GOAL 2XL	OXYFLUORFEN	5	PT	20	3S11E30
ALMOND	1/24/07	G	GOAL 2XL	OXYFLUORFEN	2	PT	8	3S11E30
ALMOND	1/24/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	85.33	OZ	20	3S11E30
ALMOND	1/24/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	4	3S11E30
ALMOND	1/24/07	G	PRINCEP 4L	SIMAZINE	13.33	PT	20	3S11E30
ALMOND	1/25/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	GA	8	3S11E30

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Treated acres	TRS
ALMOND	1/25/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	8	3S11E30
ALMOND	1/25/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/25/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	8	3S11E30
ALMOND	1/26/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/26/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	8	3S11E30
ALMOND	1/26/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	8	3S11E30
ALMOND	1/26/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	8	3S11E30
ALMOND	2/1/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	QT	4	3S11E30
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	1	PT	4	3S11E30
ALMOND	2/16/07	G	GLYFOS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	21	GA	42	3S11E6
ALMOND	2/16/07	G	SURFLAN A.S.	ORYZALIN	21	GA	42	3S11E6
ALMOND	2/16/07	G	GOAL 2E HERBICIDE	OXYFLUORFEN	10.5	GA	42	3S11E6
ALMOND	2/17/07	G	GLYFOS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	10.5	GA	21	3S11E6
ALMOND	2/17/07	G	SURFLAN A.S.	ORYZALIN	10.5	GA	21	3S11E6
ALMOND	2/17/07	G	GOAL 2E HERBICIDE	OXYFLUORFEN	5.25	GA	21	3S11E6
ALMOND	3/7/07	G	GLYFOS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	10.5	GA	21	3S11E6
ALMOND	3/7/07	G	SURFLAN A.S.	ORYZALIN	10.5	GA	21	3S11E6
ALMOND	3/7/07	G	GOAL 2E HERBICIDE	OXYFLUORFEN	5.25	GA	21	3S11E6
ALMOND	2/6/07	G	ORYZALIN 4 A.S.	ORYZALIN	24	PT	24	3S11E8
ALMOND	2/6/07	G	DREXEL SIMAZINE 4L	SIMAZINE	24	PT	24	3S11E8
ALMOND	1/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	2.2	LB	86	3S12E7
ALMOND	1/24/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	20	GA	86	3S12E7
ALMOND	2/22/07	G	FIRESTORM	PARAQUAT DICHLORIDE	10	GA	43.33	3S12E7

**Figure IV-19. Location of Pesticide applications for Dry Creek @ Wellsford Rd. – storm 2
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Highline Canal @ Lombardy – storm 2 (2/28/07)

Table IV-21. Pesticide applications for Highline Canal @ Lombardy – storm 2 (Merced County)

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/14/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	70.63	GA	282.5	5S11E13
ALMOND	2/14/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	13.24	GA	282.5	5S11E13
OAT FOR/FOD	1/13/07	G	RIVERDALE MCPA-4 AMINE	MCPA, DIMETHYLAMINE SALT	18.75	GA	150	5S11E22
WHEAT FOR/FOD	1/13/07	G	RIVERDALE MCPA-4 AMINE	MCPA, DIMETHYLAMINE SALT	6.25	GA	50	5S11E22
OAT FOR/FOD	1/13/07	G	SHARK EW	CARFENTRAZONE-ETHYL	1.2	GA	150	5S11E22
WHEAT FOR/FOD	1/13/07	G	SHARK EW	CARFENTRAZONE-ETHYL	0.35	GA	50	5S11E22
OAT FOR/FOD	2/20/07	A	SHARK EW	CARFENTRAZONE-ETHYL	3.85	QT	85	5S11E24
OAT FOR/FOD	2/20/07	A	SHARK EW	CARFENTRAZONE-ETHYL	1.13	QT	25	5S11E24
ALMOND	1/26/07	O	METHYL BROMIDE 98%	METHYL BROMIDE	596	LBS	1192	5S11E26
WALNUT	1/27/07	O	METHYL BROMIDE 98%	METHYL BROMIDE	460	LBS	460	5S11E26
PEACH	2/13/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	5	GA	20	5S11E26
ALMOND	2/1/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	80	OZ	9.8	5S11E27
ALMOND	2/9/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	3	GA	23	5S11E27
ALMOND	2/9/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	5	QT	10	5S11E27
ALMOND	2/9/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	3.75	GA	23	5S11E27
ALMOND	2/9/07	G	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	6	QT	10	5S11E27
ALMOND	2/9/07	G	SURFLAN A.S.	ORYZALIN	3.75	GA	23	5S11E27
ALMOND	2/9/07	G	SURFLAN A.S.	ORYZALIN	6	QT	10	5S11E27
ALMOND	2/18/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	3.75	GA	10	5S11E27
ALMOND	1/23/07	A	CHATEAU HERBICIDE SW	FLUMIOXAZIN	120	OZ	10	5S11E28
ALMOND	1/23/07	A	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	960	OZ	10	5S11E28
ALMOND	1/23/07	A	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	640	OZ	10	5S11E28
PEACH	2/10/07	G	GOAL 2XL	OXYFLUORFEN	3456	OZ	36	5S11E28
PEACH	2/10/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2304	OZ	36	5S11E28
PEACH	2/10/07	G	FARMSAVER.COM ORYZALIN 4 A.S.	ORYZALIN	3456	OZ	36	5S11E28
OAT FOR/FOD	2/24/07	A	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	591	GA	60	5S11E28
OAT FOR/FOD	2/24/07	A	SHARK EW	CARFENTRAZONE-ETHYL	84	OZ	60	5S11E28
ALMOND	1/6/07	G	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	3	GA	18	5S11E34
ALMOND	1/6/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	5	LBS	18	5S11E34
ALMOND	2/26/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	4.38	GA	35	5S11E34
ALMOND	2/26/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	4.38	LBS	35	5S11E34
ALMOND	2/26/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	2.92	GA	35	5S11E34
ALMOND	1/21/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	780	OZ	65	5S11E35
ALMOND	1/21/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	6240	OZ	65	5S11E35

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/21/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4160	OZ	65	5S11E35
ALMOND	2/3/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	47.6	PT	38	5S11E35
WALNUT	2/3/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	10	PT	8	5S11E35
ALMOND	2/3/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	95	OZ	38	5S11E35
WALNUT	2/3/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	20	OZ	8	5S11E35
PEACH	2/9/07	G	GOAL 2XL	OXYFLUORFEN	8640	OZ	90	5S11E35
PEACH	2/9/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	5760	OZ	90	5S11E35
PEACH	2/9/07	G	FARMSAVER.COM ORYZALIN 4 A.S.	ORYZALIN	8640	OZ	90	5S11E35
PEACH	2/16/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	1	QT	2	5S11E35
ALMOND	2/17/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	4	QT	8	5S11E35
ALMOND	1/22/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	288	OZ	24	5S11E36
ALMOND	1/22/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	804	OZ	67	5S11E36
ALMOND	1/22/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	2304	OZ	24	5S11E36
ALMOND	1/22/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	6132	OZ	67	5S11E36
ALMOND	1/22/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1536	OZ	24	5S11E36
ALMOND	1/22/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4288	OZ	67	5S11E36
ALMOND	1/23/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	384	OZ	32	5S11E36
ALMOND	1/23/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	3072	OZ	32	5S11E36
ALMOND	1/23/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2048	OZ	32	5S11E36
ALMOND	2/6/07	G	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	196	OZ	6	5S11E36
ALMOND	2/6/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	6	PT	6	5S11E36
PEACH	2/7/07	G	GOAL 2XL	OXYFLUORFEN	2112	OZ	22	5S11E36
PEACH	2/7/07	G	GOAL 2XL	OXYFLUORFEN	5568	OZ	58	5S11E36
PEACH	2/7/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1408	OZ	22	5S11E36
PEACH	2/7/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	3712	OZ	58	5S11E36
PEACH	2/7/07	G	FARMSAVER.COM ORYZALIN 4 A.S.	ORYZALIN	2112	OZ	22	5S11E36
PEACH	2/7/07	G	FARMSAVER.COM ORYZALIN 4 A.S.	ORYZALIN	5568	OZ	58	5S11E36
PEACH	2/9/07	G	GOAL 2XL	OXYFLUORFEN	2976	OZ	31	5S11E36
PEACH	2/9/07	G	NUFARM CREDIT SYSTEMIC EXTRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1984	OZ	31	5S11E36
PEACH	2/9/07	G	FARMSAVER.COM ORYZALIN 4 A.S.	ORYZALIN	2976	OZ	31	5S11E36
ALMOND	2/24/07	G	RIVERDALE SOLUTION WATER SOLUBLE	2,4-D, DIMETHYLAMINE SALT	10.8	LBS	9.56	5S11E36
ALMOND	2/24/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.4	GA	9.56	5S11E36
ALMOND	2/14/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	45	GA	180	5S12E18
ALMOND	2/14/07	G	GOAL 2XL HERBICIDE	OXYFLUORFEN	8.44	GA	180	5S12E18
OAT FOR/FOD	2/7/07	G	RIVERDALE MCPA-4 AMINE	MCPA, DIMETHYLAMINE SALT	10	GA	80	5S12E30
OAT FOR/FOD	2/7/07	G	SHARK EW	CARFENTRAZONE-ETHYL	0.78	GA	80	5S12E30
ALMOND	1/2/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	47.7	PT	31.8	5S12E31
ALMOND	1/2/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	18.75	PT	12.5	5S12E31

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/2/07	A	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	47.4	PT	31.6	5S12E31
ALMOND	1/2/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	127.2	FLOZ	31.8	5S12E31
ALMOND	1/2/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	38	OZ	12.5	5S12E31
ALMOND	1/2/07	A	CHATEAU HERBICIDE SW	FLUMIOXAZIN	126.4	OZ	31.6	5S12E31
PEACH	1/14/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	80	PT	20	5S12E31
PEACH	1/14/07	G	GOAL 2XL	OXYFLUORFEN	80	PT	20	5S12E31
ALMOND	1/15/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	56	PT	14	5S12E31
ALMOND	1/15/07	G	GOAL 2XL	OXYFLUORFEN	56	PT	14	5S12E31
ALMOND	2/9/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	9	QT	9	5S12E31
ALMOND	2/9/07	G	GOAL 2XL	OXYFLUORFEN	9	QT	9	5S12E31
PEACH	2/20/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	10	QT	10	5S12E31
ALMOND	2/20/07	G	ROUNDUP ORIGINAL II HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	12.5	GA	68	5S12E31
PEACH	2/23/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	9.6	PT	6.4	5S12E31
PEACH	2/23/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	19	OZ	6.4	5S12E31

Table IV-22. Pesticide applications for Highline Canal @ Lombardy – storm 2 (Stanislaus County)

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/6/07	G	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	114.29	PT	100	3S11E25
ALMOND	1/6/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	457.14	OZ	100	3S11E25
ALMOND	1/19/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	192	PT	200	3S11E25
ALMOND	1/19/07	G	PRINCEP 4L	SIMAZINE	66.64	PT	200	3S11E25
ALMOND	1/19/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	132.8	LB	200	3S11E25
ALMOND	1/19/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	426.4	OZ	200	3S11E25
ALMOND	2/17/07	G	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	10	GA	16	3S11E25
ALMOND	2/17/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	5	LB	9	3S11E25
ALMOND	2/17/07	G	GOAL 2XL	OXYFLUORFEN	1	GA	16	3S11E25
ALMOND	2/24/07	G	ALECTO 41S	glyphosate	320	OZ	20	3S11E25
ALFALFA	1/30/07	G	DIREX 4L	DIURON	110	QT	55	3S11E36
ALFALFA	1/30/07	G	FIRESTORM	PARAQUAT DICHLORIDE	55	QT	55	3S11E36
ALMOND	2/27/07	G	DREXEL SIMAZINE 4L	SIMAZINE	1	GA	11	3S11E36
ALMOND	2/27/07	G	GOAL 2XL	OXYFLUORFEN	2	QT	11	3S11E36
ALMOND	2/27/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2.5	GA	11	3S11E36
ALMOND	2/28/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	108	OZ	27	3S11E36
ALMOND	2/14/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	28	PT	70	3S12E28
ALMOND	2/14/07	G	ALECTO 41S	glyphosate	56	PT	70	3S12E28
ALMOND	2/6/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	80	PT	40	3S12E31

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/6/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	480	OZ	40	3S12E31
WALNUT	2/9/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	42.67	PT	22	3S12E31
WALNUT	2/9/07	G	DIREX 4L	DIURON	64	PT	22	3S12E31
WALNUT	2/9/07	G	DREXEL SIMAZINE 4L	SIMAZINE	64	PT	22	3S12E31
WALNUT	2/9/07	G	GOALTENDER	OXYFLUORFEN	21.33	PT	22	3S12E31
WALNUT	2/13/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	48	PT	24	3S12E31
WALNUT	2/13/07	G	DIREX 4L	DIURON	72	PT	24	3S12E31
WALNUT	2/13/07	G	DREXEL SIMAZINE 4L	SIMAZINE	72	PT	24	3S12E31
WALNUT	2/13/07	G	GOALTENDER	OXYFLUORFEN	24	PT	24	3S12E31
ALMOND	2/9/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	20.91	PT	23	3S12E32
ALMOND	2/9/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	20	PT	22	3S12E32
ALMOND	2/9/07	G	SIM-TROL 4L	SIMAZINE	8	QT	22	3S12E32
ALMOND	2/9/07	G	SIM-TROL 4L	SIMAZINE	8.36	QT	23	3S12E32
CHESTNUT	1/5/07	G	GALIGAN SLAPSHOT	OXYFLUORFEN	45	PT	15	3S12E33
ALMOND	1/5/07	G	GALIGAN SLAPSHOT	OXYFLUORFEN	135	PT	45	3S12E33
CHESTNUT	1/5/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	QT	15	3S12E33
ALMOND	1/5/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	45	QT	45	3S12E33
ALMOND	2/9/07	G	PRINCEP 4L	SIMAZINE	78.4	PT	98	3S12E33
ALMOND	2/9/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	39.2	PT	98	3S12E33
ALMOND	2/9/07	G	ALECTO 41S	glyphosate	78.4	PT	98	3S12E33
WALNUT	2/28/07	G	PRINCEP 4L	SIMAZINE	174.08	PT	136	3S12E33
WALNUT	2/28/07	G	ALECTO 41S	glyphosate	130.56	PT	136	3S12E33
OAT FOR/FOD	1/15/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	19.6	PT	40	3S12E35
OAT FOR/FOD	1/15/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	14.7	PT	30	3S12E35
OAT FOR/FOD	1/15/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	93.1	PT	190	3S12E35
OAT FOR/FOD	1/15/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	19.11	PT	39	3S12E35
OAT FOR/FOD	1/15/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	18.62	PT	38	3S12E35
OAT FOR/FOD	1/15/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	14.7	PT	30	3S12E35
OAT FOR/FOD	1/15/07	G	SHARK EW	CARFENTRAZONE-ETHYL	198	OZ	200	3S12E35
OAT FOR/FOD	1/15/07	G	SHARK EW	CARFENTRAZONE-ETHYL	29.7	OZ	30	3S12E35
OAT FOR/FOD	1/15/07	G	SHARK EW	CARFENTRAZONE-ETHYL	38.61	OZ	39	3S12E35
OAT FOR/FOD	1/15/07	G	SHARK EW	CARFENTRAZONE-ETHYL	39.6	OZ	40	3S12E35
OAT FOR/FOD	1/15/07	G	SHARK EW	CARFENTRAZONE-ETHYL	29.7	OZ	30	3S12E35
OAT FOR/FOD	1/15/07	G	SHARK EW	CARFENTRAZONE-ETHYL	37.62	OZ	38	3S12E35
OAT FOR/FOD	1/15/07	G	SHARK EW	CARFENTRAZONE-ETHYL	188.1	OZ	190	3S12E35
OAT FOR/FOD	1/15/07	G	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	88.8	OZ	30	3S12E35
OAT FOR/FOD	1/15/07	G	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	115.44	OZ	39	3S12E35
OAT FOR/FOD	1/15/07	G	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	112.48	OZ	38	3S12E35
OAT	1/15/07	G	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF	118.4	OZ	40	3S12E35

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
FOR/FOD				3,6-DICHLORO-O-ANISIC ACID				
OAT FOR/FOD	1/15/07	G	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	562.4	OZ	190	3S12E35
OAT FOR/FOD	1/15/07	G	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	88.8	OZ	30	3S12E35
OAT FOR/FOD	1/15/07	G	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	592	OZ	200	3S12E35
WHEAT FOR/FOD	1/24/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	6.8	GA	54.6	4S11E10
WHEAT FOR/FOD	1/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	55	OZ	54.6	4S11E10
ALFALFA	1/26/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	13	PT	10	4S11E10
ALFALFA	1/26/07	G	DIREX 4L	DIURON	40	PT	10	4S11E10
ALMOND	1/6/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	2.5	GA	56	4S11E11
ALMOND	1/6/07	G	PRINCEP 4L	SIMAZINE	2	PT	56	4S11E11
ALMOND	1/6/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	1.25	LB	56	4S11E11
ALMOND	1/6/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2.5	PT	56	4S11E11
WHEAT FOR/FOD	1/24/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	12.1	GA	97.1	4S11E11
WHEAT FOR/FOD	1/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	97	OZ	97.1	4S11E11
ALMOND	1/13/07	G	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	6	GA	10	4S11E12
ALMOND	1/13/07	G	GOAL 2XL	OXYFLUORFEN	4	QT	10	4S11E12
ALMOND	3/1/07	G	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	150	GA	600	4S11E12
ALMOND	1/9/07	G	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	83.75	QT	67	4S11E14
ALMOND	1/9/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	402	OZ	67	4S11E14
ALMOND	1/9/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	83.75	QT	67	4S11E14
ALMOND	2/6/07	G	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	166.25	QT	133	4S11E14
ALMOND	2/6/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	166.25	QT	133	4S11E14
OP-DEC. TREE	1/1/07	G	ACCORD HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	11.5	GA	23	4S11E15
OP-DEC. TREE	1/9/07	G	ACCORD HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8.5	GA	17	4S11E15
OP-DEC. TREE	1/9/07	G	ACCORD HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	10	GA	20	4S11E15
OP-DEC. TREE	1/9/07	G	ACCORD HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	8.5	GA	17	4S11E15
WHEAT FOR/FOD	1/26/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	20.6	GA	164.8	4S11E15
WHEAT FOR/FOD	1/26/07	G	SHARK EW	CARFENTRAZONE-ETHYL	164	OZ	164.8	4S11E15
ALMOND	1/29/07	G	GOAL 2XL	OXYFLUORFEN	50.5	GA	202	4S11E16
ALMOND	1/29/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	50.5	GA	202	4S11E16
ALMOND	2/4/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	12.95	LB	17	4S11E16
ALMOND	2/4/07	G	SIM-TROL 4L	SIMAZINE	1.62	GA	17	4S11E16
ALMOND	2/4/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	1.62	GA	17	4S11E16
ALMOND	2/4/07	G	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.62	GA	17	4S11E16
ALMOND	2/6/07	G	GOAL 2XL	OXYFLUORFEN	73	QT	73	4S11E16
ALMOND	2/6/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	18.25	GA	73	4S11E16
ALMOND	2/10/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	24	PT	20	4S11E16
ALMOND	2/10/07	G	SIM-TROL 90DF	SIMAZINE	8	LB	20	4S11E16

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/10/07	G	GOAL 2XL	OXYFLUORFEN	24	PT	20	4S11E16
ALMOND	2/9/07	G	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	10	PT	5	4S11E2
ALMOND	2/9/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	5	PT	5	4S11E2
ALMOND	1/20/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	88	LB	62.5	4S11E21
ALMOND	1/24/07	G	GOAL 2XL	OXYFLUORFEN	29	GA	117.5	4S11E21
ALMOND	1/24/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	29	GA	117.5	4S11E21
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	15	GA	60	4S11E21
ALMOND	2/1/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	15	GA	60	4S11E21
ALMOND	1/22/07	G	PRINCEP 4L	SIMAZINE	180	PT	120	4S11E23
ALMOND	1/22/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	240	PT	120	4S11E23
ALMOND	1/22/07	G	CHIEF 3SC	OXYFLUORFEN	360	PT	120	4S11E23
ALMOND	2/15/07	G	PRINCEP 4L	SIMAZINE	78	PT	52	4S11E23
ALMOND	2/15/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	104	PT	52	4S11E23
ALMOND	2/15/07	G	GALIGAN SLAPSHOT	OXYFLUORFEN	156	PT	52	4S11E23
ALMOND	1/22/07	G	PRINCEP 4L	SIMAZINE	151.5	PT	101	4S11E24
ALMOND	1/22/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	202	PT	101	4S11E24
ALMOND	1/22/07	G	CHIEF 3SC	OXYFLUORFEN	303	PT	101	4S11E24
ALMOND	1/27/07	G	PRINCEP 4L	SIMAZINE	222	PT	148	4S11E24
ALMOND	1/27/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	296	PT	148	4S11E24
ALMOND	1/27/07	G	CHIEF 3SC	OXYFLUORFEN	444	PT	148	4S11E24
ALMOND	2/15/07	G	PRINCEP 4L	SIMAZINE	78	PT	52	4S11E24
ALMOND	2/15/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	104	PT	52	4S11E24
ALMOND	2/15/07	G	GALIGAN SLAPSHOT	OXYFLUORFEN	156	PT	52	4S11E24
ALMOND	1/9/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	55	PT	55	4S11E25
ALMOND	1/9/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	55	PT	55	4S11E25
ALMOND	1/9/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	110	PT	55	4S11E25
ALMOND	1/24/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	4	PT	24	4S11E25
ALMOND	1/24/07	G	SHARK EW	CARFENTRAZONE-ETHYL	2	OZ	24	4S11E25
ALMOND	1/24/07	G	GOALTENDER	OXYFLUORFEN	3	PT	24	4S11E25
ALMOND	1/24/07	G	FIRESTORM	PARAQUAT DICHLORIDE	2	PT	24	4S11E25
ALMOND	2/15/07	G	RASCAL PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	30	QT	30	4S11E25
ALMOND	2/15/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	300	OZ	30	4S11E25
ALMOND	1/2/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	2.5	PT	44	4S11E26
ALMOND	1/2/07	G	PRINCEP 4L	SIMAZINE	2	PT	44	4S11E26
ALMOND	1/2/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	1.25	LB	44	4S11E26
ALMOND	1/2/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	PT	44	4S11E26
ALMOND	1/9/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	2.5	PT	44	4S11E26
ALMOND	1/9/07	G	PRINCEP 4L	SIMAZINE	2	PT	44	4S11E26
ALMOND	1/9/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	1.25	LB	44	4S11E26
ALMOND	1/9/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	PT	44	4S11E26
ALMOND	1/10/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	2.5	PT	28	4S11E26

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/10/07	G	PRINCEP 4L	SIMAZINE	2	PT	28	4S11E26
ALMOND	1/10/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	1.25	LB	28	4S11E26
ALMOND	1/10/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	PT	28	4S11E26
ALMOND	1/12/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	2.5	PT	44	4S11E26
ALMOND	1/12/07	G	PRINCEP 4L	SIMAZINE	2	PT	44	4S11E26
ALMOND	1/12/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	1.25	LB	44	4S11E26
ALMOND	1/12/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2.5	PT	44	4S11E26
ALMOND	1/23/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	2.5	PT	56	4S11E26
ALMOND	1/23/07	G	PRINCEP 4L	SIMAZINE	2	PT	56	4S11E26
ALMOND	1/23/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	1.25	LB	56	4S11E26
ALMOND	1/23/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	2	PT	56	4S11E26
ALMOND	1/6/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	20	PT	3	4S11E28
ALMOND	1/6/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	80	OZ	3	4S11E28
ALMOND	1/6/07	G	GOAL 2XL	OXYFLUORFEN	128	OZ	3	4S11E28
ALMOND	1/9/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	55	PT	3	4S11E28
BEAN DRIED	1/9/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	25	PT	10	4S11E28
ALMOND	1/9/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	176	PT	3	4S11E28
BEAN DRIED	1/9/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	80	PT	10	4S11E28
BEAN DRIED	1/9/07	G	PRISM 2 EC HERBICIDE	CLETHODIM	100	OZ	10	4S11E28
ALMOND	1/9/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	220	OZ	3	4S11E28
BEAN DRIED	1/9/07	G	GOAL 2XL	OXYFLUORFEN	160	OZ	10	4S11E28
ALMOND	1/9/07	G	GOAL 2XL	OXYFLUORFEN	352	OZ	3	4S11E28
PEACH PROCESSN G	1/10/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	15	PT	6	4S11E28
PEACH PROCESSN G	1/10/07	G	PRINCEP 4L	SIMAZINE	24	PT	6	4S11E28
PEACH PROCESSN G	1/10/07	G	GOAL 2XL	OXYFLUORFEN	192	OZ	6	4S11E28
ALMOND	1/20/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	47	LB	62.5	4S11E28
WALNUT	1/31/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	17.5	4S11E28
WALNUT	1/31/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	17.5	4S11E28
WALNUT	1/31/07	G	GOALTENDER	OXYFLUORFEN	1	PT	17.5	4S11E28
ALMOND	2/7/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	14.18	GA	39	4S11E28
ALMOND	2/7/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	170.18	OZ	39	4S11E28
ALMOND	1/9/07	G	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1710	OZ	38	4S11E3
ALMOND	1/9/07	G	GOAL 2XL	OXYFLUORFEN	152	OZ	38	4S11E3
ALMOND	1/20/07	G	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	810	OZ	18	4S11E3
ALMOND	1/20/07	G	GOAL 2XL	OXYFLUORFEN	72	OZ	18	4S11E3
ALMOND	2/1/07	G	ROUNDUP HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	1.5	GA	6	4S11E3
ALMOND	2/3/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	15	QT	10	4S11E3
ALMOND	2/3/07	G	SIM-TROL 4L	SIMAZINE	10	QT	10	4S11E3
ALMOND	2/3/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	24	QT	10	4S11E3
ALMOND	2/3/07	G	SURFLAN A.S. AGRICULTURAL	ORYZALIN	36	QT	10	4S11E3

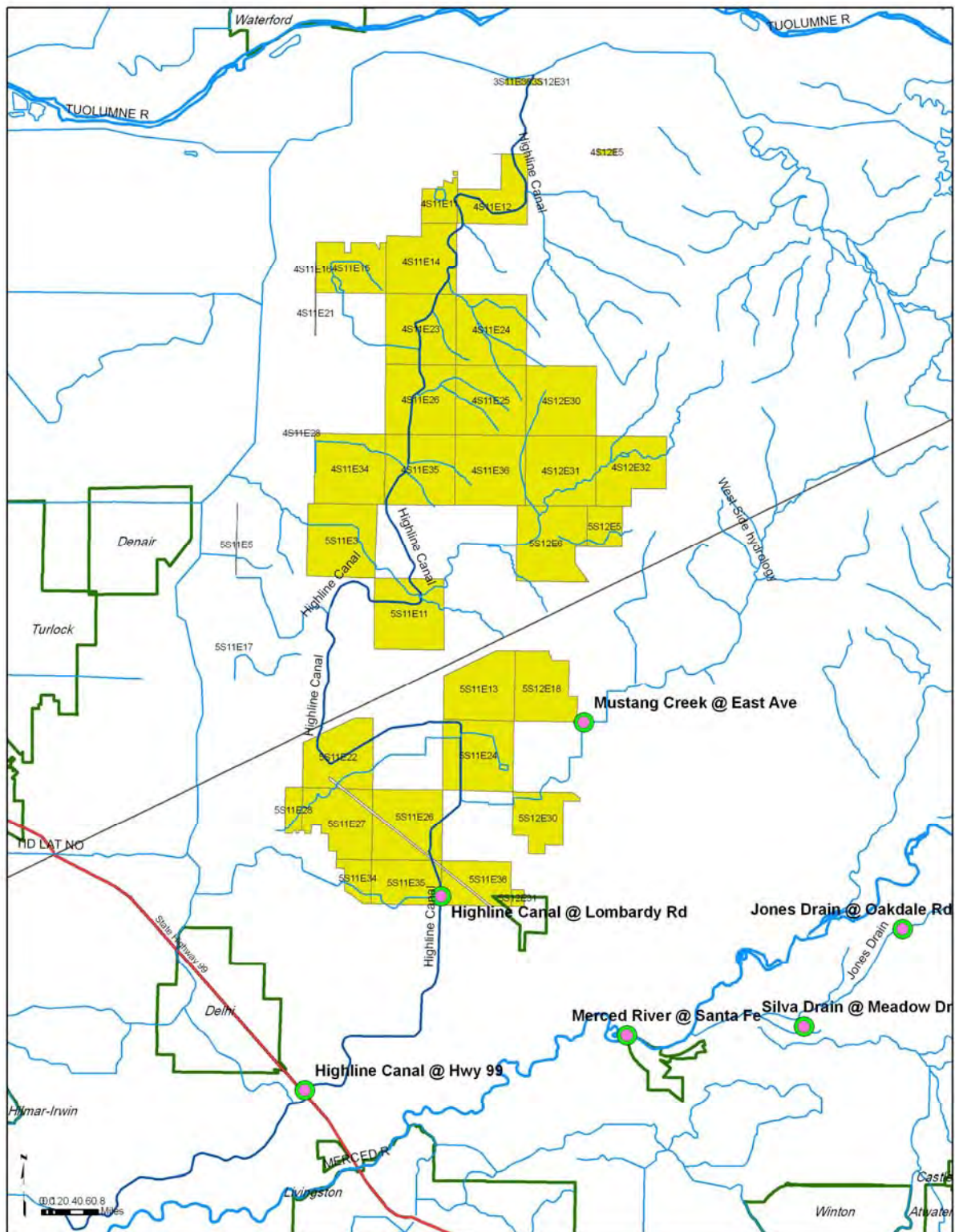
Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
			HERBICIDE					
ALMOND	2/12/07	G	PRINCEP 4L	SIMAZINE	24.8	PT	31	4S11E3
ALMOND	2/12/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	12.4	PT	31	4S11E3
ALMOND	2/12/07	G	ALECTO 41S	glyphosate	24.8	PT	31	4S11E3
PEACH PROCESSN G	2/19/07	G	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	960	LB	30	4S11E3
PEACH PROCESSN G	3/1/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1350	OZ	30	4S11E3
OAT FOR/FOD	1/9/07	G	SHARK EW	CARFENTRAZONE-ETHYL	12	OZ	12	4S11E34
OAT FOR/FOD	1/9/07	G	SHARK EW	CARFENTRAZONE-ETHYL	78	OZ	78	4S11E34
OAT FOR/FOD	1/9/07	G	SHARK EW	CARFENTRAZONE-ETHYL	30	OZ	30	4S11E34
OAT FOR/FOD	1/23/07	G	SHARK EW	CARFENTRAZONE-ETHYL	30	OZ	30	4S11E35
ALMOND	1/27/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	8	PT	71.5	4S11E36
ALMOND	1/27/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1.6	PT	71.5	4S11E36
ALMOND	1/27/07	G	GOALTENDER	OXYFLUORFEN	4	PT	71.5	4S11E36
ALMOND	2/1/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	78.5	GA	78.5	4S11E36
ALMOND	2/1/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	15.7	GA	78.5	4S11E36
ALMOND	2/1/07	G	GOALTENDER	OXYFLUORFEN	39.25	GA	78.5	4S11E36
ALMOND	2/5/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	30	GA	30	4S11E36
ALMOND	2/5/07	G	GOALTENDER	OXYFLUORFEN	15	GA	30	4S11E36
ALMOND	2/5/07	G	FIRESTORM	PARAQUAT DICHLORIDE	7.5	GA	30	4S11E36
ALMOND	2/3/07	G	RIVERDALE SOLUTION WATER SOLUBLE	2,4-D, DIMETHYLAMINE SALT	540	OZ	75	4S12E2
ALMOND	2/3/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2880	OZ	75	4S12E2
OP-DEC. TREE	1/15/07	G	ACCORD HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	16	GA	32	4S12E3
OP-DEC. TREE	1/15/07	G	ACCORD HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	15	GA	30	4S12E3
OP-DEC. TREE	1/17/07	G	ACCORD HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	7.5	GA	15	4S12E3
OP-DEC. TREE	1/17/07	G	ACCORD HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	14	GA	28	4S12E3
ALMOND	2/21/07	G	SHARK EW	CARFENTRAZONE-ETHYL	1	QT	26	4S12E3
ALMOND	2/21/07	G	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	9	GA	26	4S12E3
WALNUT	1/16/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	2	PT	14.35	4S12E30
WALNUT	1/16/07	G	PRINCEP 4L	SIMAZINE	4	PT	14.35	4S12E30
WALNUT	1/16/07	G	DREXEL DIURON 4L HERBICIDE	DIURON	2	PT	14.35	4S12E30
WALNUT	1/16/07	G	GOALTENDER	OXYFLUORFEN	12.8	OZ	14.35	4S12E30
ALMOND	1/2/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	8	PT	46.5	4S12E31
ALMOND	1/2/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1.6	PT	46.5	4S12E31
ALMOND	1/2/07	G	GOAL 4F	OXYFLUORFEN	4	PT	46.5	4S12E31
ALMOND	1/5/07	G	METHYL BROMIDE 98%	METHYL BROMIDE	13062	LB	17416	4S12E31
ALMOND	1/19/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	8	PT	39.5	4S12E31
ALMOND	1/19/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1.6	PT	39.5	4S12E31

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/19/07	G	GOALTENDER	OXYFLUORFEN	4	PT	39.5	4S12E31
ALMOND	1/22/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	8	PT	78.5	4S12E31
ALMOND	1/22/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1.6	PT	78.5	4S12E31
ALMOND	1/22/07	G	GOALTENDER	OXYFLUORFEN	4	PT	78.5	4S12E31
ALMOND	1/29/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	22.09	4S12E31
ALMOND	1/29/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	22.09	4S12E31
ALMOND	1/29/07	G	GOALTENDER	OXYFLUORFEN	4	PT	22.09	4S12E31
WALNUT	1/30/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	8	PT	19.5	4S12E31
WALNUT	1/30/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	8	PT	19	4S12E31
WALNUT	1/30/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1.6	PT	19.5	4S12E31
WALNUT	1/30/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1.6	PT	19	4S12E31
WALNUT	1/30/07	G	GOALTENDER	OXYFLUORFEN	1	PT	19.5	4S12E31
WALNUT	1/30/07	G	GOALTENDER	OXYFLUORFEN	1	PT	19	4S12E31
WALNUT	2/14/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	18	GA	36	4S12E31
ALMOND	2/14/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	8.75	GA	17.5	4S12E31
ALMOND	2/14/07	G	FIRESTORM	PARAQUAT DICHLORIDE	2.188	GA	17.5	4S12E31
WALNUT	2/28/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	152	OZ	38	4S12E31
WALNUT	2/28/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	156	OZ	39	4S12E31
ALMOND	1/2/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	8	PT	27	4S12E32
ALMOND	1/2/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	8	PT	75	4S12E32
ALMOND	1/2/07	G	GOAL 4F	OXYFLUORFEN	4	PT	27	4S12E32
ALMOND	1/2/07	G	GOAL 4F	OXYFLUORFEN	4	PT	75	4S12E32
ALMOND	1/11/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	8	PT	67.5	4S12E32
ALMOND	1/11/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1.6	PT	67.5	4S12E32
ALMOND	1/11/07	G	GOAL 4F	OXYFLUORFEN	4	PT	67.5	4S12E32
ALMOND	1/17/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	29.63	4S12E32
ALMOND	1/17/07	G	GOALTENDER	OXYFLUORFEN	4	PT	29.63	4S12E32
ALMOND	1/17/07	G	FIRESTORM	PARAQUAT DICHLORIDE	2	PT	29.63	4S12E32
PISTACHIO	1/26/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	1	GA	4.09	4S12E32
PISTACHIO	1/26/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	2.13	PT	4.09	4S12E32
PISTACHIO	1/26/07	G	GOALTENDER	OXYFLUORFEN	4	PT	4.09	4S12E32
GRAPE	2/6/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	11.25	GA	45	4S12E32
GRAPE	2/6/07	G	GOALTENDER	OXYFLUORFEN	0.914	GA	45	4S12E32
ALMOND	2/12/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	2.5	GA	5	4S12E32
ALMOND	2/12/07	G	GOALTENDER	OXYFLUORFEN	0.625	GA	5	4S12E32
ALMOND	2/12/07	G	FIRESTORM	PARAQUAT DICHLORIDE	0.625	GA	5	4S12E32
ALMOND	2/3/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	30.48	PT	40	4S12E4
ALMOND	2/3/07	G	DREXEL SIMAZINE 4L	SIMAZINE	30.48	PT	40	4S12E4
ALMOND	2/3/07	G	GOAL 2XL	OXYFLUORFEN	45.71	PT	40	4S12E4
ALMOND	2/16/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	480	OZ	40	4S12E5
ALMOND	2/16/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	300	OZ	25	4S12E5
ALMOND	2/16/07	G	PRINCEP 4L	SIMAZINE	320	OZ	40	4S12E5
ALMOND	2/16/07	G	PRINCEP 4L	SIMAZINE	200	OZ	25	4S12E5
ALMOND	2/16/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	20	LB	40	4S12E5

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/16/07	G	SOLICAM DF HERBICIDE	NORFLURAZON	12.5	LB	25	4S12E5
ALMOND	2/16/07	G	ORCHARD CLEAN 4L	2,4-D, DIMETHYLAMINE SALT	480	OZ	40	4S12E5
ALMOND	2/16/07	G	ORCHARD CLEAN 4L	2,4-D, DIMETHYLAMINE SALT	300	OZ	25	4S12E5
ALMOND	1/18/07	G	SHARK EW	CARFENTRAZONE-ETHYL	16	OZ	20	5S11E11
ALMOND	1/18/07	G	SHARK EW	CARFENTRAZONE-ETHYL	16	OZ	20	5S11E11
ALMOND	1/18/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	3	GA	20	5S11E11
ALMOND	1/18/07	G	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	3	GA	20	5S11E11
ALMOND	1/18/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	GA	20	5S11E11
ALMOND	1/18/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	GA	20	5S11E11
ALMOND	1/18/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	20	5S11E11
ALMOND	1/18/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	3	LB	20	5S11E11
ALMOND	1/18/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	6	GA	20	5S11E11
ALMOND	1/18/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	6	GA	20	5S11E11
OAT FOR/FOD	2/7/07	G	RIVERDALE MCPA-4 AMINE	MCPA, DIMETHYLAMINE SALT	10	GA	80	5S11E11
ALMOND	2/9/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	2438.1	OZ	200	5S11E11
ALMOND	2/9/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	731.43	OZ	200	5S11E11
ALMOND	2/9/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	7314.29	OZ	200	5S11E11
OAT FOR/FOD	1/15/07	G	RIVERDALE MCPA-4 AMINE	MCPA, DIMETHYLAMINE SALT	160	OZ	10	5S11E17
OAT FOR/FOD	1/15/07	G	SHARK EW	CARFENTRAZONE-ETHYL	10	OZ	10	5S11E17
ALMOND	1/16/07	G	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	4.25	GA	17	5S11E17
ALMOND	1/16/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	10.6	LB	17	5S11E17
ALMOND	1/18/07	G	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	4	GA	17	5S11E17
ALMOND	1/18/07	G	GOAL 2XL	OXYFLUORFEN	2	GA	17	5S11E17
WALNUT	2/15/07	G	TOUCHDOWN TOTAL	GLYPHOSATE	24	PT	8	5S11E17
WALNUT	2/15/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	80	OZ	8	5S11E17
ALMOND	1/10/07	G	PRINCEP 4L	SIMAZINE	2	GA	16	5S11E3
ALMOND	1/10/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	9	QT	16	5S11E3
ALMOND	1/10/07	G	CHATEAU HERBICIDE SW	FLUMIOXAZIN	85	OZ	16	5S11E3
ALMOND	1/10/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	3	PT	16	5S11E3
ALMOND	1/11/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	5	GA	20	5S11E3
ALMOND	1/11/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	2	GA	20	5S11E3
ALMOND	1/11/07	G	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	5	GA	20	5S11E3
ALMOND	2/1/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	11	GA	60	5S11E3
ALMOND	2/1/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	24	GA	60	5S11E3
ALMOND	2/1/07	G	GOAL 2XL	OXYFLUORFEN	8	GA	60	5S11E3
PEACH	2/17/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	10.5	PT	10.5	5S11E3
PEACH	2/17/07	G	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	3.5	GA	10.5	5S11E3
APRICOT	2/26/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	6.17	QT	18.5	5S11E3
GRAPE	1/25/07	G	SIM-TROL 4L	SIMAZINE	4.45	PT	6	5S11E5

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
GRAPE	1/25/07	G	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	10.67	PT	6	5S11E5
GRAPE	1/25/07	G	FARMSAVER.COM ORYZALIN 4 A.S.	ORYZALIN	14.24	PT	6	5S11E5
GRAPE, WINE	2/18/07	G	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	1	QT	0.25	5S11E5
OAT FOR/FOD	2/6/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	42.5	GA	170	5S12E5
WHEAT FOR/FOD	2/16/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	44	GA	176	5S12E5
WHEAT FOR/FOD	2/16/07	G	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	46	GA	184	5S12E5
ALMOND	1/8/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	8	QT	4	5S12E6
ALMOND	1/8/07	G	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	6	QT	4	5S12E6
ALMOND	1/8/07	G	GOAL 2XL	OXYFLUORFEN	12	QT	4	5S12E6
ALMOND	2/28/07	G	PROWL H2O HERBICIDE	PENDIMETHALIN	18	GA	38	5S12E6
ALMOND	2/28/07	G	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	18	GA	38	5S12E6
ALMOND	2/28/07	G	GOAL 4F	OXYFLUORFEN	9	GA	38	5S12E6

Figure IV-20. Location of Pesticide applications for Highline Canal @ Lombardy Rd. – storm 2



***Ceriodaphnia dubia* toxicity**

Highline Canal @ Lombardy – storm 2 (2/28/07)

Table IV-23. Pesticide applications for Highline Canal @ Lombardy – storm 2 (Merced County)

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	BOSCALID	740	OZ	74	5S11E24
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	740	OZ	74	5S11E24
ALMOND	1/15/07	A	TELONE II CA	1,3-DICHLOROPROPENE	185.35	GA	5.5	5S11E25
ALMOND	1/29/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	4.5	GA	75.91	5S11E25
ALMOND	1/29/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	575	LBS	75.91	5S11E25
ALMOND	1/30/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	300	LBS	30	5S11E25
ALMOND	2/13/07	G	VANGARD WG	CYPRODINIL	380	OZ	76	5S11E25
ALMOND	2/13/07	G	DIMILIN 2L	DIFLUBENZURON	912	OZ	76	5S11E25
ALMOND	2/21/07	G	VANGARD WG	CYPRODINIL	50	OZ	10	5S11E25
ALMOND	2/21/07	G	DIMILIN 2L	DIFLUBENZURON	120	OZ	10	5S11E25
ALMOND	2/21/07	G	VANGARD WG	CYPRODINIL	100	OZ	20	5S11E25
ALMOND	2/21/07	G	DIMILIN 2L	DIFLUBENZURON	240	OZ	20	5S11E25
ALMOND	2/24/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	103	PT	103	5S11E25
ALMOND	2/24/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	18	LBS	30	5S11E25
ALMOND	2/24/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	128.75	LBS	103	5S11E25
ALMOND	2/26/07	G	GASTOXIN FUMIGATION TABLETS	ALUMINUM PHOSPHIDE	1800	UNITS	600	5S11E25
ALMOND	2/27/07	G	KOCIDE DF	COPPER HYDROXIDE	40	LBS	20	5S11E25
ALMOND	2/27/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	2.5	GA	20	5S11E25
ALMOND	2/27/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	3.75	GA	37.95	5S11E25
ALMOND	2/27/07	G	DIMILIN 2L	DIFLUBENZURON	2	GA	20	5S11E25
ALMOND	2/27/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	150	LBS	37.95	5S11E25
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	10.25	PT	10.25	5S11E25
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	15.25	PT	15.25	5S11E25
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	10.5	PT	10.5	5S11E25
PEACH	2/28/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	51.25	LBS	10.25	5S11E25
PEACH	2/28/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	76.25	LBS	15.25	5S11E25
PEACH	2/28/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	52.5	LBS	10.5	5S11E25
ALMOND	1/9/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	442	LBS	65	5S11E26
ALMOND	1/9/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	260	OZ	65	5S11E26
ALMOND	1/10/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	816	LBS	120	5S11E26
ALMOND	1/10/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	480	OZ	120	5S11E26
PEACH	1/20/07	G	TERRACLO 6.5% PLUS DI-SYSTON 6.5% GRANU	DISULFOTON	1	GA	16	5S11E26

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acre treated	TRS
PEACH	1/20/07	G	TERRACLO 6.5% PLUS DI-SYSTON 6.5% GRANU	PCNB	1	GA	16	5S11E26
PEACH	1/20/07	G	ZIRAM GRANUFLO	ZIRAM	80	LBS	16	5S11E26
ALMOND	1/26/07	O	METHYL BROMIDE 98%	METHYL BROMIDE	596	LBS	1192	5S11E26
PEACH	1/27/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	1	QT	4	5S11E26
PEACH	1/27/07	G	ZIRAM GRANUFLO	ZIRAM	32	LBS	4	5S11E26
WALNUT	1/27/07	O	METHYL BROMIDE 98%	METHYL BROMIDE	460	LBS	460	5S11E26
ALMOND	2/18/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	448	OZ	35	5S11E26
ALMOND	2/18/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	64	OZ	5	5S11E26
ALMOND	2/18/07	G	DIMILIN 2L	DIFLUBENZURON	420	OZ	35	5S11E26
ALMOND	2/18/07	G	DIMILIN 2L	DIFLUBENZURON	60	OZ	5	5S11E26
ALMOND	2/21/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	20	PT	20	5S11E26
PEACH	2/21/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	336	OZ	32	5S11E26
PEACH	2/21/07	G	PRISTINE FUNGICIDE	BOSCALID	336	OZ	32	5S11E26
PEACH	2/27/07	G	VANGARD WG	CYPRODINIL	75	OZ	22	5S11E26
PEACH	2/27/07	G	ZIRAM GRANUFLO	ZIRAM	75	LBS	22	5S11E26
ALMOND	2/27/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	18	LBS	20	5S11E26
ALMOND	2/27/07	G	PRISTINE FUNGICIDE	BOSCALID	18	LBS	20	5S11E26
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	256	OZ	40	5S11E26
ALMOND	2/1/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	138	LBS	23	5S11E27
ALMOND	2/1/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	138	OZ	23	5S11E27
ALMOND	2/2/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	60	LBS	10	5S11E27
ALMOND	2/2/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	60	OZ	10	5S11E27
ALMOND	2/9/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	3	GA	23	5S11E27
ALMOND	2/9/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	5	QT	10	5S11E27
ALMOND	2/17/07	G	PRISTINE FUNGICIDE	BOSCALID	150	OZ	23	5S11E27
ALMOND	2/17/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	150	OZ	23	5S11E27
ALMOND	2/21/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	3.12	GA	40	5S11E27
ALMOND	2/21/07	G	TOPSIN M WSB	THIOPHANATE-METHYL	20	LBS	40	5S11E27
ALMOND	2/21/07	G	PRISTINE FUNGICIDE	BOSCALID	62	OZ	10	5S11E27
ALMOND	2/21/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	62	OZ	10	5S11E27
ALMOND	2/24/07	G	PRISTINE FUNGICIDE	BOSCALID	6.25	LBS	10	5S11E27
ALMOND	2/24/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	6.25	LBS	10	5S11E27
ALMOND	2/27/07	G	PRISTINE FUNGICIDE	BOSCALID	24	LBS	35	5S11E27
ALMOND	2/27/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	24	LBS	35	5S11E27
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	BOSCALID	150	OZ	23	5S11E27
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	150	OZ	23	5S11E27
ALMOND	1/9/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	100	OZ	10	5S11E28
ALMOND	1/9/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	100	LBS	10	5S11E28
PEACH	1/17/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	360	OZ	36	5S11E28
PEACH	1/17/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	540	LBS	36	5S11E28
PEACH	1/23/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	190.4	LBS	28	5S11E28
PEACH	2/27/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	448	OZ	28	5S11E28

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	1/5/07	G	TELONE II CA	1,3-DICHLOROPROPENE	172.2	GA	5.74	5S11E34
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	300	LBS	30	5S11E34
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	100	LBS	10	5S11E34
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	200	LBS	20	5S11E34
ALMOND	2/24/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	102	LBS	17	5S11E34
ALMOND	2/24/07	G	TOPSIN M WSB	THIOPHANATE-METHYL	17	LBS	17	5S11E34
PEACH	2/27/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	160	OZ	10	5S11E34
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	2.32	PT	2.32	5S11E34
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	3.6	PT	3.6	5S11E34
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	5.6	PT	5.6	5S11E34
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	5.66	PT	5.66	5S11E34
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	18	PT	18	5S11E34
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	2.56	PT	2.56	5S11E34
PEACH	2/28/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	11.6	LBS	2.32	5S11E34
PEACH	2/28/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	18	LBS	3.6	5S11E34
PEACH	2/28/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	28	LBS	5.6	5S11E34
PEACH	2/28/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	28.3	LBS	5.66	5S11E34
PEACH	2/28/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	90	LBS	18	5S11E34
PEACH	2/28/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	12.8	LBS	2.56	5S11E34
ALMOND	1/7/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	650	OZ	65	5S11E35
ALMOND	1/7/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	650	LBS	65	5S11E35
PEACH	1/16/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	900	OZ	90	5S11E35
PEACH	1/16/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	1350	LBS	90	5S11E35
ALMOND	1/30/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	3.9	GA	49.91	5S11E35
ALMOND	1/30/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	499.1	LBS	49.91	5S11E35
PEACH	2/16/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	1	QT	2	5S11E35
ALMOND	2/17/07	G	GRAMOXONE MAX	PARAQUAT DICHLORIDE	4	QT	8	5S11E35
ALMOND	2/20/07	G	VANGARD WG	CYPRODINIL	75	OZ	15	5S11E35
ALMOND	2/20/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	60	OZ	15	5S11E35
ALMOND	2/20/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	60	OZ	15	5S11E35
ALMOND	2/20/07	G	VANGARD WG	CYPRODINIL	75	OZ	15	5S11E35
ALMOND	2/21/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	4.8	GA	38	5S11E35
ALMOND	2/25/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	288	OZ	32	5S11E35
ALMOND	1/8/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	240	OZ	24	5S11E36
ALMOND	1/8/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	670	OZ	67	5S11E36
ALMOND	1/8/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	240	LBS	24	5S11E36
ALMOND	1/8/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	670	LBS	67	5S11E36
ALMOND	1/9/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	320	OZ	32	5S11E36
ALMOND	1/9/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	320	LBS	32	5S11E36

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
PEACH	1/15/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	220	OZ	22	5S11E36
PEACH	1/15/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	580	OZ	58	5S11E36
PEACH	1/15/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	330	LBS	22	5S11E36
PEACH	1/15/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	870	LBS	58	5S11E36
PEACH	1/16/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	310	OZ	31	5S11E36
PEACH	1/16/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	465	LBS	31	5S11E36
ALMOND	1/30/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	2.7	GA	35.04	5S11E36
ALMOND	1/30/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	350.4	LBS	35.04	5S11E36
ALMOND	2/17/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	166.4	OZ	13	5S11E36
ALMOND	2/17/07	G	DIMILIN 2L	DIFLUBENZURON	156	OZ	13	5S11E36
PEACH	2/21/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	231	OZ	22	5S11E36
PEACH	2/21/07	G	PRISTINE FUNGICIDE	BOSCALID	231	OZ	22	5S11E36
ALMOND	2/24/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	66	LBS	11	5S11E36
PEACH	2/24/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	50.64	LBS	8.44	5S11E36
ALMOND	2/24/07	G	TOPSIN M WSB	THIOPHANATE-METHYL	11	LBS	11	5S11E36
PEACH	2/24/07	G	TOPSIN M WSB	THIOPHANATE-METHYL	8.44	LBS	8.44	5S11E36
ALMOND	2/26/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2	GA	25	5S11E36
ALMOND	2/28/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	2.2	GA	17.52	5S11E36
ALMOND	2/28/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	87.6	LBS	17.52	5S11E36
ALMOND	2/17/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	460.8	OZ	36	5S12E30
ALMOND	2/17/07	G	DIMILIN 2L	DIFLUBENZURON	432	OZ	36	5S12E30
PEACH	2/20/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	682.5	OZ	65	5S12E30
PEACH	2/20/07	G	PRISTINE FUNGICIDE	BOSCALID	682.5	OZ	65	5S12E30
ALMOND	2/26/07	G	KOCIDE DF	COPPER HYDROXIDE	218	LBS	109	5S12E30
ALMOND	2/26/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	109	PT	109	5S12E30
ALMOND	2/26/07	G	DIMILIN 2L	DIFLUBENZURON	1395.2	OZ	109	5S12E30
PEACH	1/14/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	80	PT	20	5S12E31
ALMOND	1/14/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	316	OZ	31.6	5S12E31
ALMOND	1/14/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	379	LBS	31.6	5S12E31
ALMOND	1/15/07	G	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	56	PT	14	5S12E31
ALMOND	1/19/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	318	OZ	31.8	5S12E31
ALMOND	1/19/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	382	LBS	31.8	5S12E31
ALMOND	2/21/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	23	PT	23	5S12E31
ALMOND	2/21/07	G	DIMILIN 2L	DIFLUBENZURON	276	OZ	23	5S12E31
ALMOND	2/27/07	G	VANGARD WG	CYPRODINIL	158	OZ	31.6	5S12E31
ALMOND	2/28/07	G	VANGARD WG	CYPRODINIL	159	OZ	31.8	5S12E31
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	450	OZ	45	5S12E31
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	BOSCALID	450	OZ	45	5S12E31

Table IV-24. Pesticide applications for Highline Canal @ Lombardy – storm 2 (Stanislaus County)

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/17/07	G	VANGARD WG	CYPRODINIL	50	OZ	10	3S11E25
ALMOND	2/17/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2.5	GA	9	3S11E25
ALMOND	2/20/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	36	OZ	4	3S11E25
ALMOND	2/20/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2400	OZ	250	3S11E25
ALMOND	2/20/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	1000	LB	250	3S11E25
ALMOND	2/20/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	8	QT	4	3S11E25
ALMOND	2/21/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2.5	GA	40	3S11E25
ALMOND	2/24/07	G	VANGARD WG	CYPRODINIL	250	OZ	50	3S11E25
ALMOND	2/24/07	G	KOCIDE 2000	COPPER HYDROXIDE	50	LB	50	3S11E25
ALMOND	2/24/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	200	PT	200	3S11E25
ALMOND	2/24/07	G	DIMILIN 2L	DIFLUBENZURON	2560	OZ	200	3S11E25
ALMOND	2/24/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	250	LB	200	3S11E25
ALMOND	2/28/07	G	VANGARD WG	CYPRODINIL	250	OZ	50	3S11E25
ALMOND	3/1/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	36	OZ	4	3S11E25
ALMOND	3/1/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	8	QT	4	3S11E25
ALMOND	2/7/07	G	NU-COP 50DF	COPPER HYDROXIDE	240	LB	214	3S11E34
ALMOND	2/7/07	G	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	6	QT	214	3S11E34
ALMOND	2/21/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	180	OZ	20	3S11E34
ALMOND	2/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	40	QT	20	3S11E34
ALMOND	2/27/07	G	VANGARD WG	CYPRODINIL	230	OZ	46	3S11E34
ALMOND	2/27/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	92	QT	46	3S11E34
ALMOND	2/27/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	184	OZ	46	3S11E34
ALMOND	2/27/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	184	OZ	46	3S11E34
ALMOND	2/20/07	G	VANGARD WG	CYPRODINIL	50	OZ	11	3S11E36
ALMOND	2/20/07	G	VANGARD WG	CYPRODINIL	80	LB	20	3S11E36
ALMOND	2/28/07	G	VANGARD WG	CYPRODINIL	135	OZ	27	3S11E36
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	360	OZ	36	3S11E36
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	126	OZ	14	3S11E36
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	54	QT	27	3S11E36
ALMOND	2/28/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	108	OZ	27	3S11E36
ALMOND	2/28/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	56	OZ	14	3S11E36
ALMOND	2/28/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	56	OZ	14	3S11E36
ALMOND	2/28/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	108	OZ	27	3S11E36
ALMOND	2/28/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	108	OZ	27	3S11E36
ALMOND	3/1/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	240	OZ	20	3S11E36
ALMOND	3/1/07	G	PRISTINE FUNGICIDE	BOSCALID	240	OZ	20	3S11E36
ALMOND	2/22/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	672	OZ	70	3S12E28
ALMOND	2/22/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	87.5	LB	70	3S12E28
ALMOND	2/24/07	G	KOCIDE DF	COPPER HYDROXIDE	30	LB	30	3S12E30
ALMOND	2/24/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	480	OZ	30	3S12E30
ALMOND	2/24/07	G	DIMILIN 2L	DIFLUBENZURON	300	OZ	30	3S12E30

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/24/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	400	OZ	40	3S12E31
ALMOND	2/24/07	G	PRISTINE FUNGICIDE	BOSCALID	400	OZ	40	3S12E31
ALMOND	1/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	88	PT	22	3S12E32
ALMOND	1/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	92	PT	23	3S12E32
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	198	OZ	22	3S12E32
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	207	OZ	23	3S12E32
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	189	OZ	21	3S12E32
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	21	QT	21	3S12E32
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	44	OZ	22	3S12E32
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	23	QT	23	3S12E32
ALMOND	2/24/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	940.8	OZ	98	3S12E33
ALMOND	2/24/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	122.5	LB	98	3S12E33
ALMOND	2/21/07	G	VANGARD WG	CYPRODINIL	700	OZ	70	4S11E1
ALMOND	2/27/07	G	KOCIDE DF	COPPER HYDROXIDE	120	LB	60	4S11E1
ALMOND	2/27/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	60	PT	60	4S11E1
ALMOND	2/27/07	G	DIMILIN 2L	DIFLUBENZURON	768	OZ	60	4S11E1
ALMOND	3/1/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	40	PT	40	4S11E1
ALMOND	3/1/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	260	PT	260	4S11E1
ALMOND	3/1/07	G	DIMILIN 2L	DIFLUBENZURON	3328	OZ	260	4S11E1
ALMOND	3/1/07	G	DIMILIN 2L	DIFLUBENZURON	512	OZ	40	4S11E1
ALMOND	2/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	52	QT	26	4S11E11
ALMOND	2/21/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	260	OZ	26	4S11E11
ALMOND	2/21/07	G	PRISTINE FUNGICIDE	BOSCALID	260	OZ	26	4S11E11
ALMOND	2/24/07	G	VANGARD WG	CYPRODINIL	36.875	LB	114	4S11E11
ALMOND	2/24/07	G	DIMILIN 2L	DIFLUBENZURON	11.8	GA	114	4S11E11
ALMOND	2/20/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	1920	OZ	200	4S11E13
ALMOND	2/20/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	800	LB	200	4S11E13
ALMOND	2/19/07	G	DIMILIN 2L	DIFLUBENZURON	1664	OZ	9	4S11E14
ALMOND	2/19/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	1300	OZ	9	4S11E14
ALMOND	2/19/07	G	PRISTINE FUNGICIDE	BOSCALID	1300	OZ	9	4S11E14
ALMOND	2/26/07	G	DIMILIN 2L	DIFLUBENZURON	512	OZ	40	4S11E14
ALMOND	2/26/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	400	OZ	40	4S11E14
ALMOND	2/26/07	G	PRISTINE FUNGICIDE	BOSCALID	400	OZ	40	4S11E14
ALMOND	1/31/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	106.8	PT	20	4S11E16
ALMOND	2/17/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	180	OZ	20	4S11E16
ALMOND	2/17/07	G	NU-COP 50 WP	COPPER HYDROXIDE	40	LB	20	4S11E16
ALMOND	2/21/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	14	GA	202	4S11E16
ALMOND	2/24/07	G	LAREDO EW	MYCLOBUTANIL	383.6	OZ	28	4S11E16
ALMOND	2/25/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	187	OZ	17	4S11E16
ALMOND	2/28/07	G	VANGARD WG	CYPRODINIL	100	OZ	20	4S11E16
ALMOND	2/28/07	G	LAREDO EW	MYCLOBUTANIL	383.6	OZ	28	4S11E16
ALMOND	3/1/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	14	GA	202	4S11E16
ALMOND	2/21/07	G	VANGARD WG	CYPRODINIL	490	OZ	49	4S11E2
ALMOND	2/21/07	G	VANGARD WG	CYPRODINIL	330	OZ	33	4S11E2
ALMOND	2/23/07	G	VANGARD WG	CYPRODINIL	50	OZ	10	4S11E2
ALMOND	2/27/07	G	VANGARD WG	CYPRODINIL	395	OZ	79	4S11E2
ALMOND	2/27/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	158	QT	79	4S11E2

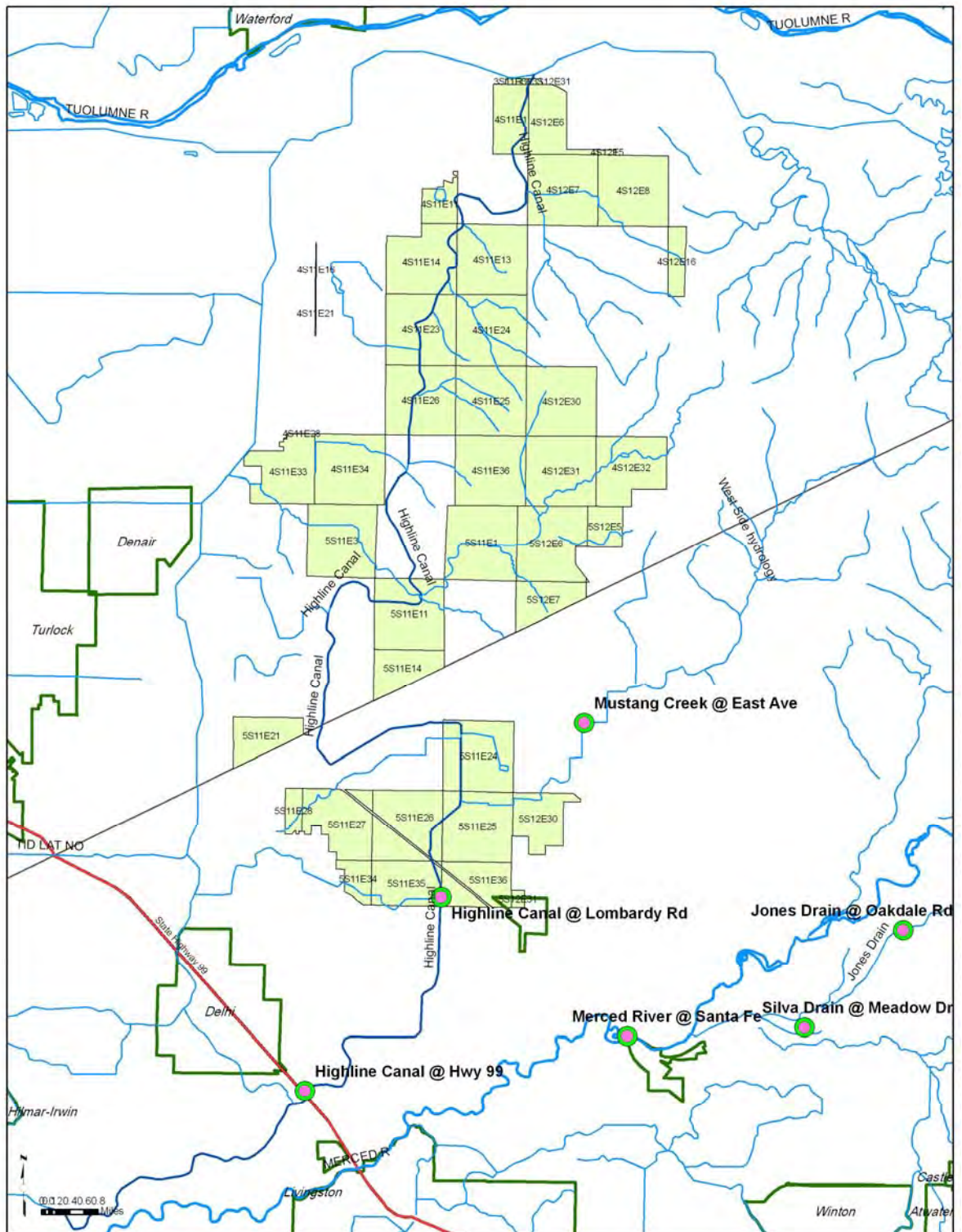
Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/27/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	316	OZ	79	4S11E2
ALMOND	2/27/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	316	OZ	79	4S11E2
ALMOND	2/28/07	G	VANGARD WG	CYPRODINIL	35	OZ	7	4S11E2
ALMOND	2/20/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	36	PT	36	4S11E21
ALMOND	2/20/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	144	OZ	36	4S11E21
ALMOND	2/20/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	144	OZ	36	4S11E21
ALMOND	2/26/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	16.5	GA	235.5	4S11E21
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	420	OZ	35	4S11E21
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	BOSCALID	420	OZ	35	4S11E21
ALMOND	3/1/07	G	LAREDO EW	MYCLOBUTANIL	581.4	OZ	38	4S11E21
ALMOND	3/1/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	152	OZ	38	4S11E21
ALMOND	3/1/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	152	OZ	38	4S11E21
PEACH PROCESSNG	1/20/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	768	OZ	80	4S11E23
PEACH PROCESSNG	1/20/07	G	NU-COP 50DF	COPPER HYDROXIDE	800	LB	80	4S11E23
ALMOND	2/24/07	G	VANGARD WG	CYPRODINIL	1000	OZ	200	4S11E23
ALMOND	2/24/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	800	LB	200	4S11E23
ALMOND	2/24/07	G	VANGARD WG	CYPRODINIL	975	OZ	195	4S11E24
ALMOND	2/24/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	780	LB	195	4S11E24
ALMOND	2/27/07	G	VANGARD WG	CYPRODINIL	1850	OZ	370	4S11E24
ALMOND	2/27/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	1480	LB	370	4S11E24
ALMOND	2/1/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	1326	LB	260	4S11E25
ALMOND	2/20/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	5	GA	38	4S11E25
ALMOND	2/24/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	1968	OZ	205	4S11E25
ALMOND	2/24/07	G	DIMILIN 2L	DIFLUBENZURON	2624	OZ	205	4S11E25
ALMOND	2/24/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	256.25	LB	205	4S11E25
ALMOND	2/26/07	G	FUMITOXIN TABLETS	ALUMINUM PHOSPHIDE	75	OZ	50	4S11E25
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	528	OZ	55	4S11E25
ALMOND	2/28/07	G	DIMILIN 2L	DIFLUBENZURON	704	OZ	55	4S11E25
ALMOND	2/28/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	68.75	LB	55	4S11E25
ALMOND	3/1/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	52.5	GA	420	4S11E25
ALMOND	2/21/07	G	VANGARD WG	CYPRODINIL	35.938	LB	115	4S11E26
ALMOND	2/21/07	G	VANGARD WG	CYPRODINIL	45.313	LB	145	4S11E26
ALMOND	2/21/07	G	DIMILIN 2L	DIFLUBENZURON	11.5	GA	115	4S11E26
ALMOND	2/21/07	G	DIMILIN 2L	DIFLUBENZURON	14.5	GA	145	4S11E26
ALMOND	2/23/07	G	VANGARD WG	CYPRODINIL	56.845	LB	182	4S11E26
ALMOND	2/23/07	G	DIMILIN 2L	DIFLUBENZURON	18.2	GA	182	4S11E26
ALMOND	3/1/07	G	VANGARD WG	CYPRODINIL	36.875	LB	115	4S11E26
ALMOND	2/20/07	G	VANGARD WG	CYPRODINIL	85	OZ	17	4S11E28
ALMOND	2/20/07	G	INTREPID 2F	METHOXYFENOZIDE	170	OZ	17	4S11E28
ALMOND	2/23/07	G	VANGARD WG	CYPRODINIL	220	OZ	44	4S11E28
ALMOND	2/23/07	G	INTREPID 2F	METHOXYFENOZIDE	440	OZ	44	4S11E28
ALMOND	2/27/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	4	GA	62.5	4S11E28

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/21/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	608	OZ	38	4S11E3
ALMOND	2/21/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2.8	GA	40	4S11E3
ALMOND	2/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	10	GA	40	4S11E3
ALMOND	2/22/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	1376	OZ	86	4S11E3
ALMOND	2/23/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	90	OZ	10	4S11E3
ALMOND	2/23/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	1.61	GA	23	4S11E3
ALMOND	2/23/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	2.5	GA	10	4S11E3
ALMOND	2/23/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	92	OZ	23	4S11E3
ALMOND	2/23/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	92	OZ	23	4S11E3
ALMOND	2/24/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	1.125	GA	16	4S11E3
ALMOND	2/24/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	1.61	GA	23	4S11E3
ALMOND	2/24/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	64	OZ	16	4S11E3
ALMOND	2/24/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	64	OZ	16	4S11E3
ALMOND	2/24/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	92	OZ	23	4S11E3
ALMOND	2/24/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	92	OZ	23	4S11E3
ALMOND	2/25/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	297.6	OZ	31	4S11E3
ALMOND	2/25/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	38.75	LB	31	4S11E3
PEACH	1/27/07	G	NU-COP 50DF	COPPER HYDROXIDE	200	LB	20	4S11E33
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	320	OZ	20	4S11E33
ALMOND	2/24/07	G	VANGARD WG	CYPRODINIL	5	OZ	158	4S11E34
ALMOND	2/24/07	G	DIMILIN 2L	DIFLUBENZURON	12.8	OZ	158	4S11E34
ALMOND	2/24/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	19.625	GA	157	4S11E36
ALMOND	2/26/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	6.875	GA	55	4S11E36
ALMOND	1/24/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	1286.4	OZ	134	4S12E11
ALMOND	1/24/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	683.4	LB	134	4S12E11
ALMOND	3/1/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	255	PT	255	4S12E16
ALMOND	3/1/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	200	PT	200	4S12E30
ALMOND	3/1/07	G	DIMILIN 2L	DIFLUBENZURON	2560	OZ	200	4S12E30
ALMOND	1/5/07	G	METHYL BROMIDE 98%	METHYL BROMIDE	13062	LB	17416	4S12E31
ALMOND	2/24/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	15	GA	120	4S12E31
ALMOND	2/27/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	10	GA	80	4S12E31
WALNUT	2/28/07	G	KOCIDE 2000	COPPER HYDROXIDE	304	LB	38	4S12E31
WALNUT	2/28/07	G	KOCIDE 2000	COPPER HYDROXIDE	312	LB	39	4S12E31
WALNUT	2/28/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	152	OZ	38	4S12E31
WALNUT	2/28/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	156	OZ	39	4S12E31
PISTACHIO	1/27/07	G	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	6	LB	18	4S12E32
ALMOND	2/27/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	7.5	GA	60	4S12E32
ALMOND	2/28/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	20	GA	154	4S12E32
ALMOND	2/20/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	3.12	GA	40	4S12E4
ALMOND	2/20/07	G	INTREPID 2F	METHOXYFENOZIDE	3.74	GA	40	4S12E4

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/21/07	G	LAREDO EW	MYCLOBUTANIL	512	OZ	40	4S12E4
ALMOND	2/26/07	G	IPRODIONE 4L AG	IPRODIONE	5	GA	40	4S12E4
ALMOND	2/27/07	G	KOCIDE DF	COPPER HYDROXIDE	80	LB	40	4S12E5
ALMOND	2/27/07	G	KOCIDE DF	COPPER HYDROXIDE	50	LB	25	4S12E5
ALMOND	2/27/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	25	PT	25	4S12E5
ALMOND	2/27/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	40	PT	40	4S12E5
ALMOND	2/27/07	G	DIMILIN 2L	DIFLUBENZURON	512	OZ	40	4S12E5
ALMOND	2/27/07	G	DIMILIN 2L	DIFLUBENZURON	320	OZ	25	4S12E5
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	180	OZ	20	4S12E5
ALMOND	2/28/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	80	OZ	20	4S12E5
ALMOND	2/28/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	80	OZ	20	4S12E5
ALMOND	2/26/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2867.2	OZ	320	4S12E6
ALMOND	2/26/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2867.2	OZ	320	4S12E7
ALMOND	1/2/07	G	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	2048	OZ	640	4S12E8
ALMOND	1/2/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	1920	LB	640	4S12E8
ALMOND	2/26/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	537.6	OZ	60	4S12E8
ALMOND	1/3/07	G	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	2900	OZ	580	5S11E1
ALMOND	1/3/07	G	NU-COP 50 WP	COPPER HYDROXIDE	4640	LB	580	5S11E1
ALMOND	1/9/07	G	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	2100	OZ	420	5S11E1
ALMOND	1/9/07	G	NU-COP 50 WP	COPPER HYDROXIDE	3360	LB	420	5S11E1
ALMOND	2/23/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	4032	OZ	420	5S11E1
ALMOND	2/23/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	1680	LB	420	5S11E1
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	3840	OZ	400	5S11E1
ALMOND	2/28/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	1600	LB	400	5S11E1
ALMOND	2/24/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	1600	OZ	100	5S11E11
ALMOND	2/24/07	G	DIMILIN 2L	DIFLUBENZURON	1280	OZ	100	5S11E11
ALMOND	2/24/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	125	LB	100	5S11E11
ALMOND	1/6/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	1500	LB	250	5S11E14
ALMOND	2/27/07	G	VANGARD WG	CYPRODINIL	31.25	LB	100	5S11E14
ALMOND, ORGANIC	2/21/07	G	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	70	LB	35	5S11E21
APRICOT	2/20/07	G	ORBIT FUNGICIDE	PROPICONAZOLE	74	OZ	18.5	5S11E3
APRICOT	2/20/07	G	KOCIDE DF	COPPER HYDROXIDE	37	LB	18.5	5S11E3
APRICOT	2/20/07	G	ECHO 720 AGRICULTURAL FUNGICIDE	CHLOROTHALONIL	74	PT	18.5	5S11E3
ALMOND	2/24/07	G	IPRODIONE 4L AG	IPRODIONE	2192	OZ	137	5S11E3
OAT FOR/FOD	1/17/07	G	WEEVIL-CIDE TABLETS	ALUMINUM PHOSPHIDE	4	LB	170	5S12E5
ALMOND	1/25/07	G	ADJOURN INSECTICIDE	ESFENVALERATE	4.7	GA	100	5S12E5
ALMOND	1/25/07	G	CUPROFIX DISPERS	COPPER SULFATE (BASIC)	20	LB	100	5S12E5
ALMOND	2/24/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	480.15	OZ	45	5S12E5
ALMOND	1/10/07	G	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	1.66	GA	76	5S12E6
ALMOND	1/10/07	G	NU-COP 50DF	COPPER HYDROXIDE	608	LB	76	5S12E6
ALMOND	2/20/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	9.5	GA	76	5S12E6
ALMOND	2/24/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	8	PT	8	5S12E6

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/26/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	6260	OZ	626	5S12E7
ALMOND	2/26/07	G	ECHO 720 AGRICULTURAL FUNGICIDE	CHLOROTHALONIL	40064	OZ	626	5S12E7
ALMOND	3/1/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	7512	OZ	626	5S12E7
ALMOND	3/1/07	G	PRISTINE FUNGICIDE	BOSCALID	7512	OZ	626	5S12E7

Figure IV-21. Location of Pesticide applications for Highline Canal @ Lombardy Rd. – storm 2



Highline Canal @ Lombardy – storm 2 RS (3/07/07)

Table IV-25. Pesticide applications for Highline Canal @ Lombardy – storm 2 RS (Merced County)

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	3/6/07	G	ROVRAL 4 FLOWABLE	Iprodione	70.63	GA	565	5S11E13
ALMOND	3/1/07	G	VANGARD WG	Cyprodinil	200	OZ	40	5S11E22
ALMOND	3/2/07	G	VANGARD WG	Cyprodinil	400	OZ	80	5S11E23
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	Boscalid	740	OZ	74	5S11E24
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	Pyraclostrobin	740	OZ	74	5S11E24
ALMOND	1/15/07	A	TELONE II CA	1,3-Dichloropropene	185.35	GA	5.5	5S11E25
ALMOND	1/29/07	G	DU PONT ASANA XL INSECTICIDE	Esfenvalerate	4.5	GA	75.91	5S11E25
ALMOND	1/29/07	G	BASIC COPPER 53	Copper sulfate (basic)	575	LBS	75.91	5S11E25
ALMOND	1/30/07	G	BASIC COPPER 53	Copper sulfate (basic)	300	LBS	30	5S11E25
ALMOND	2/13/07	G	VANGARD WG	Cyprodinil	380	OZ	76	5S11E25
ALMOND	2/13/07	G	DIMILIN 2L	Diflubenzuron	912	OZ	76	5S11E25
ALMOND	2/21/07	G	VANGARD WG	Cyprodinil	50	OZ	10	5S11E25
ALMOND	2/21/07	G	DIMILIN 2L	Diflubenzuron	120	OZ	10	5S11E25
ALMOND	2/21/07	G	VANGARD WG	Cyprodinil	100	OZ	20	5S11E25
ALMOND	2/21/07	G	DIMILIN 2L	Diflubenzuron	240	OZ	20	5S11E25
ALMOND	2/24/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	Iprodione	103	PT	103	5S11E25
ALMOND	2/24/07	G	SCALA BRAND SC FUNGICIDE	Pyrimethanil	18	LBS	30	5S11E25
ALMOND	2/24/07	G	NORDOX 75 WG	Copper oxide (OUS)	128.75	LBS	103	5S11E25
ALMOND	2/26/07	G	GASTOXIN FUMIGATION TABLETS	Aluminum phosphide	1800	UNITS	600	5S11E25
ALMOND	2/27/07	G	KOCIDE DF	Copper hydroxide	40	LBS	20	5S11E25
ALMOND	2/27/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	Iprodione	2.5	GA	20	5S11E25
ALMOND	2/27/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	Iprodione	3.75	GA	37.95	5S11E25
ALMOND	2/27/07	G	DIMILIN 2L	Diflubenzuron	2	GA	20	5S11E25
ALMOND	2/27/07	G	BASIC COPPER 53	Copper sulfate (basic)	150	LBS	37.95	5S11E25
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	Iprodione	10.25	PT	10.25	5S11E25
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	Iprodione	15.25	PT	15.25	5S11E25
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	Iprodione	10.5	PT	10.5	5S11E25
PEACH	2/28/07	G	BASIC COPPER 53	Copper sulfate (basic)	51.25	LBS	10.25	5S11E25
PEACH	2/28/07	G	BASIC COPPER 53	Copper sulfate (basic)	76.25	LBS	15.25	5S11E25
PEACH	2/28/07	G	BASIC COPPER 53	Copper sulfate (basic)	52.5	LBS	10.5	5S11E25
ALMOND	1/9/07	G	NORDOX 75 WG	Copper oxide (OUS)	442	LBS	65	5S11E26
ALMOND	1/9/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	Pyriproxyfen	260	OZ	65	5S11E26
ALMOND	1/10/07	G	NORDOX 75 WG	Copper oxide (OUS)	816	LBS	120	5S11E26
ALMOND	1/10/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	Pyriproxyfen	480	OZ	120	5S11E26
PEACH	1/20/07	G	TERRACLO 6.5% PLUS DI-SYSTON 6.5% GRANU	Disulfoton	1	GA	16	5S11E26
PEACH	1/20/07	G	TERRACLO 6.5% PLUS DI-SYSTON 6.5% GRANU	PCNB	1	GA	16	5S11E26
PEACH	1/20/07	G	ZIRAM GRANUFLO	Ziram	80	LBS	16	5S11E26
ALMOND	1/26/07	O	METHYL BROMIDE 98%	Methyl bromide	596	LBS	1192	5S11E26

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
PEACH	1/27/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	1	QT	4	5S11E26
PEACH	1/27/07	G	ZIRAM GRANUFLO	ZIRAM	32	LBS	4	5S11E26
WALNUT	1/27/07	O	METHYL BROMIDE 98%	METHYL BROMIDE	460	LBS	460	5S11E26
ALMOND	2/18/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	448	OZ	35	5S11E26
ALMOND	2/18/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	64	OZ	5	5S11E26
ALMOND	2/18/07	G	DIMILIN 2L	DIFLUBENZURON	420	OZ	35	5S11E26
ALMOND	2/18/07	G	DIMILIN 2L	DIFLUBENZURON	60	OZ	5	5S11E26
ALMOND	2/21/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	20	PT	20	5S11E26
PEACH	2/21/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	336	OZ	32	5S11E26
PEACH	2/21/07	G	PRISTINE FUNGICIDE	BOSCALID	336	OZ	32	5S11E26
PEACH	2/27/07	G	VANGARD WG	CYPRODINIL	75	OZ	22	5S11E26
PEACH	2/27/07	G	ZIRAM GRANUFLO	ZIRAM	75	LBS	22	5S11E26
ALMOND	2/27/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	18	LBS	20	5S11E26
ALMOND	2/27/07	G	PRISTINE FUNGICIDE	BOSCALID	18	LBS	20	5S11E26
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	256	OZ	40	5S11E26
ALMOND	3/1/07	G	VANGARD WG	CYPRODINIL	150	OZ	30	5S11E26
ALMOND	2/1/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	138	LBS	23	5S11E27
ALMOND	2/1/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	138	OZ	23	5S11E27
ALMOND	2/2/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	60	LBS	10	5S11E27
ALMOND	2/2/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	60	OZ	10	5S11E27
ALMOND	2/17/07	G	PRISTINE FUNGICIDE	BOSCALID	150	OZ	23	5S11E27
ALMOND	2/17/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	150	OZ	23	5S11E27
ALMOND	2/21/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	3.12	GA	40	5S11E27
ALMOND	2/21/07	G	TOPSIN M WSB	THIOPHANATE-METHYL	20	LBS	40	5S11E27
ALMOND	2/21/07	G	PRISTINE FUNGICIDE	BOSCALID	62	OZ	10	5S11E27
ALMOND	2/21/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	62	OZ	10	5S11E27
ALMOND	2/24/07	G	PRISTINE FUNGICIDE	BOSCALID	6.25	LBS	10	5S11E27
ALMOND	2/24/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	6.25	LBS	10	5S11E27
ALMOND	2/27/07	G	PRISTINE FUNGICIDE	BOSCALID	24	LBS	35	5S11E27
ALMOND	2/27/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	24	LBS	35	5S11E27
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	BOSCALID	150	OZ	23	5S11E27
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	150	OZ	23	5S11E27
ALMOND	3/6/07	G	PRISTINE FUNGICIDE	BOSCALID	100	OZ	10	5S11E27
ALMOND	3/6/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	100	OZ	10	5S11E27
ALMOND	1/9/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	100	OZ	10	5S11E28
ALMOND	1/9/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	100	LBS	10	5S11E28
PEACH	1/17/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	360	OZ	36	5S11E28
PEACH	1/17/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	540	LBS	36	5S11E28
PEACH	1/23/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	190.4	LBS	28	5S11E28
PEACH	2/27/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	448	OZ	28	5S11E28
PEACH	3/1/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	26	PT	26	5S11E28
PEACH	3/1/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	130	LBS	26	5S11E28
PEACH	3/7/07	G	KOCIDE DF	COPPER HYDROXIDE	30	LBS	15	5S11E28

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
PEACH	3/7/07	G	ROVRAL 4 FLOWABLE	Iprodione	240	OZ	15	5S11E28
ALMOND	1/5/07	G	TELONE II CA	1,3-Dichloropropene	172.2	GA	5.74	5S11E34
PEACH	1/27/07	G	NU-COP 50DF	Copper Hydroxide	300	LBS	30	5S11E34
PEACH	1/27/07	G	NU-COP 50DF	Copper Hydroxide	100	LBS	10	5S11E34
PEACH	1/27/07	G	NU-COP 50DF	Copper Hydroxide	200	LBS	20	5S11E34
ALMOND	2/24/07	G	Captan 50 Wettable Powder	Captan	102	LBS	17	5S11E34
ALMOND	2/24/07	G	TopSIN M WSB	Thiophanate-methyl	17	LBS	17	5S11E34
PEACH	2/27/07	G	ROVRAL 4 FLOWABLE	Iprodione	160	OZ	10	5S11E34
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	Iprodione	2.32	PT	2.32	5S11E34
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	Iprodione	3.6	PT	3.6	5S11E34
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	Iprodione	5.6	PT	5.6	5S11E34
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	Iprodione	5.66	PT	5.66	5S11E34
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	Iprodione	18	PT	18	5S11E34
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	Iprodione	2.56	PT	2.56	5S11E34
PEACH	2/28/07	G	BASIC COPPER 53	Copper Sulfate (Basic)	11.6	LBS	2.32	5S11E34
PEACH	2/28/07	G	BASIC COPPER 53	Copper Sulfate (Basic)	18	LBS	3.6	5S11E34
PEACH	2/28/07	G	BASIC COPPER 53	Copper Sulfate (Basic)	28	LBS	5.6	5S11E34
PEACH	2/28/07	G	BASIC COPPER 53	Copper Sulfate (Basic)	28.3	LBS	5.66	5S11E34
PEACH	2/28/07	G	BASIC COPPER 53	Copper Sulfate (Basic)	90	LBS	18	5S11E34
PEACH	2/28/07	G	BASIC COPPER 53	Copper Sulfate (Basic)	12.8	LBS	2.56	5S11E34
ALMOND	3/6/07	G	ROVRAL 4 FLOWABLE	Iprodione	4.38	GA	35	5S11E34
ALMOND	3/6/07	G	DIMILIN 2L	Diflubenzuron	3.01	GA	35	5S11E34
ALMOND	3/6/07	G	Hydrox	Copper Hydroxide	70	LBS	35	5S11E34
ALMOND	1/7/07	G	Du Pont Asana XL Insecticide	Esfenvalerate	650	OZ	65	5S11E35
ALMOND	1/7/07	G	BASIC COPPER 53	Copper Sulfate (Basic)	650	LBS	65	5S11E35
PEACH	1/16/07	G	Du Pont Asana XL Insecticide	Esfenvalerate	900	OZ	90	5S11E35
PEACH	1/16/07	G	BASIC COPPER 53	Copper Sulfate (Basic)	1350	LBS	90	5S11E35
ALMOND	1/30/07	G	Du Pont Asana XL Insecticide	Esfenvalerate	3.9	GA	49.91	5S11E35
ALMOND	1/30/07	G	BASIC COPPER 53	Copper Sulfate (Basic)	499.1	LBS	49.91	5S11E35
ALMOND	2/20/07	G	Vanguard WG	Cyprodinil	75	OZ	15	5S11E35
ALMOND	2/20/07	G	Auxigro WP Wettable Powder	Glutamic Acid	60	OZ	15	5S11E35
ALMOND	2/20/07	G	Auxigro WP Wettable Powder	Gamma Amino Butyric Acid	60	OZ	15	5S11E35
ALMOND	2/20/07	G	Vanguard WG	Cyprodinil	75	OZ	15	5S11E35
ALMOND	2/21/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	Iprodione	4.8	GA	38	5S11E35
ALMOND	2/25/07	G	Scala Brand SC Fungicide	Pyrimethanil	288	OZ	32	5S11E35
PEACH	3/7/07	G	Kocide DF	Copper Hydroxide	30	LBS	15	5S11E35
PEACH	3/7/07	G	Kocide DF	Copper Hydroxide	32	LBS	16	5S11E35
PEACH	3/7/07	G	ROVRAL 4 FLOWABLE	Iprodione	256	OZ	16	5S11E35
PEACH	3/7/07	G	ROVRAL 4 FLOWABLE	Iprodione	240	OZ	15	5S11E35
ALMOND	1/8/07	G	Du Pont Asana XL Insecticide	Esfenvalerate	240	OZ	24	5S11E36
ALMOND	1/8/07	G	Du Pont Asana XL Insecticide	Esfenvalerate	670	OZ	67	5S11E36
ALMOND	1/8/07	G	BASIC COPPER 53	Copper Sulfate	240	LBS	24	5S11E36

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
				(BASIC)				
ALMOND	1/8/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	670	LBS	67	5S11E36
ALMOND	1/9/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	320	OZ	32	5S11E36
ALMOND	1/9/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	320	LBS	32	5S11E36
PEACH	1/15/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	220	OZ	22	5S11E36
PEACH	1/15/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	580	OZ	58	5S11E36
PEACH	1/15/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	330	LBS	22	5S11E36
PEACH	1/15/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	870	LBS	58	5S11E36
PEACH	1/16/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	310	OZ	31	5S11E36
PEACH	1/16/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	465	LBS	31	5S11E36
ALMOND	1/30/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	2.7	GA	35.04	5S11E36
ALMOND	1/30/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	350.4	LBS	35.04	5S11E36
ALMOND	2/17/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	166.4	OZ	13	5S11E36
ALMOND	2/17/07	G	DIMILIN 2L	DIFLUBENZURON	156	OZ	13	5S11E36
PEACH	2/21/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	231	OZ	22	5S11E36
PEACH	2/21/07	G	PRISTINE FUNGICIDE	BOSCALID	231	OZ	22	5S11E36
ALMOND	2/24/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	66	LBS	11	5S11E36
PEACH	2/24/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	50.64	LBS	8.44	5S11E36
ALMOND	2/24/07	G	TOPSIN M WSB	THIOPHANATE-METHYL	11	LBS	11	5S11E36
PEACH	2/24/07	G	TOPSIN M WSB	THIOPHANATE-METHYL	8.44	LBS	8.44	5S11E36
ALMOND	2/26/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2	GA	25	5S11E36
ALMOND	2/28/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	2.2	GA	17.52	5S11E36
ALMOND	2/28/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	87.6	LBS	17.52	5S11E36
PEACH	3/1/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	16	PT	16	5S11E36
PEACH	3/1/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	13.24	PT	13.24	5S11E36
PEACH	3/1/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	13.9	PT	13.9	5S11E36
PEACH	3/1/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	80	LBS	16	5S11E36
PEACH	3/1/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	66.2	LBS	13.24	5S11E36
PEACH	3/1/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	69.5	LBS	13.9	5S11E36
PEACH	3/7/07	G	KOCIDE DF	COPPER HYDROXIDE	14	LBS	7	5S11E36
PEACH	3/7/07	G	KOCIDE DF	COPPER HYDROXIDE	8	LBS	4	5S11E36
PEACH	3/7/07	G	KOCIDE DF	COPPER HYDROXIDE	20	LBS	10	5S11E36
PEACH	3/7/07	G	KOCIDE DF	COPPER HYDROXIDE	44	LBS	22	5S11E36
PEACH	3/7/07	G	KOCIDE DF	COPPER HYDROXIDE	22	LBS	11	5S11E36
PEACH	3/7/07	G	KOCIDE DF	COPPER HYDROXIDE	20	LBS	10	5S11E36
PEACH	3/7/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	352	OZ	22	5S11E36
PEACH	3/7/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	112	OZ	7	5S11E36
PEACH	3/7/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	64	OZ	4	5S11E36
PEACH	3/7/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	160	OZ	10	5S11E36
PEACH	3/7/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	176	OZ	11	5S11E36
PEACH	3/7/07	G	ROVRAL BRAND 4	IPRODIONE	160	OZ	10	5S11E36

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
			FLOWABLE FUNGICIDE					
ALMOND	3/6/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	45	GA	360	5S12E18
ALMOND	2/17/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	460.8	OZ	36	5S12E30
ALMOND	2/17/07	G	DIMILIN 2L	DIFLUBENZURON	432	OZ	36	5S12E30
PEACH	2/20/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	682.5	OZ	65	5S12E30
PEACH	2/20/07	G	PRISTINE FUNGICIDE	BOSCALID	682.5	OZ	65	5S12E30
ALMOND	2/26/07	G	KOCIDE DF	COPPER HYDROXIDE	218	LBS	109	5S12E30
ALMOND	2/26/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	109	PT	109	5S12E30
ALMOND	2/26/07	G	DIMILIN 2L	DIFLUBENZURON	1395.2	OZ	109	5S12E30
ALMOND	1/14/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	316	OZ	31.6	5S12E31
ALMOND	1/14/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	379	LBS	31.6	5S12E31
ALMOND	1/19/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	318	OZ	31.8	5S12E31
ALMOND	1/19/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	382	LBS	31.8	5S12E31
ALMOND	2/21/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	23	PT	23	5S12E31
ALMOND	2/21/07	G	DIMILIN 2L	DIFLUBENZURON	276	OZ	23	5S12E31
ALMOND	2/27/07	G	VANGARD WG	CYPRODINIL	158	OZ	31.6	5S12E31
ALMOND	2/28/07	G	VANGARD WG	CYPRODINIL	159	OZ	31.8	5S12E31
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	450	OZ	45	5S12E31
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	BOSCALID	450	OZ	45	5S12E31
PEACH	3/1/07	G	BASIC COPPER 53	COPPER SULFATE (BASIC)	64	LBS	6.4	5S12E31

Table IV-26. Pesticide applications for Highline Canal @ Lombardy – storm 2 RS (Stanislaus County)

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/17/07	G	VANGARD WG	CYPRODINIL	50	OZ	10	3S11E25
ALMOND	2/17/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2.5	GA	9	3S11E25
ALMOND	2/20/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	36	OZ	4	3S11E25
ALMOND	2/20/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2400	OZ	250	3S11E25
ALMOND	2/20/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	1000	LB	250	3S11E25
ALMOND	2/20/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	8	QT	4	3S11E25
ALMOND	2/21/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2.5	GA	40	3S11E25
ALMOND	2/24/07	G	VANGARD WG	CYPRODINIL	250	OZ	50	3S11E25
ALMOND	2/24/07	G	KOCIDE 2000	COPPER HYDROXIDE	50	LB	50	3S11E25
ALMOND	2/24/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	200	PT	200	3S11E25
ALMOND	2/24/07	G	DIMILIN 2L	DIFLUBENZURON	2560	OZ	200	3S11E25
ALMOND	2/24/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	250	LB	200	3S11E25
ALMOND	2/28/07	G	VANGARD WG	CYPRODINIL	250	OZ	50	3S11E25
ALMOND	3/1/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	36	OZ	4	3S11E25
ALMOND	3/1/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	8	QT	4	3S11E25

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	3/2/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	14.7	LB	23.5	3S11E25
ALMOND	3/2/07	G	PRISTINE FUNGICIDE	BOSCALID	14.7	LB	23.5	3S11E25
ALMOND	3/2/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	14.7	LB	23.5	3S11E25
ALMOND	3/2/07	G	PRISTINE FUNGICIDE	BOSCALID	14.7	LB	23.5	3S11E25
ALMOND	3/6/07	G	ROVRAL 4 FLOWABLE	IPIRODIONE	100	PT	100	3S11E25
ALMOND	3/6/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	62.5	LB	100	3S11E25
ALMOND	2/7/07	G	NU-COP 50DF	COPPER HYDROXIDE	240	LB	214	3S11E34
ALMOND	2/7/07	G	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	6	QT	214	3S11E34
ALMOND	2/21/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	180	OZ	20	3S11E34
ALMOND	2/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	40	QT	20	3S11E34
ALMOND	2/27/07	G	VANGARD WG	CYPRODINIL	230	OZ	46	3S11E34
ALMOND	2/27/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	92	QT	46	3S11E34
ALMOND	2/27/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	184	OZ	46	3S11E34
ALMOND	2/27/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	184	OZ	46	3S11E34
ALMOND	3/2/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	180	OZ	20	3S11E34
ALMOND	3/2/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	40	QT	20	3S11E34
ALMOND	2/20/07	G	VANGARD WG	CYPRODINIL	50	OZ	11	3S11E36
ALMOND	2/20/07	G	VANGARD WG	CYPRODINIL	80	LB	20	3S11E36
ALMOND	2/28/07	G	VANGARD WG	CYPRODINIL	135	OZ	27	3S11E36
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	360	OZ	36	3S11E36
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	126	OZ	14	3S11E36
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	54	QT	27	3S11E36
ALMOND	2/28/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	PYRIPROXYFEN	108	OZ	27	3S11E36
ALMOND	2/28/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	56	OZ	14	3S11E36
ALMOND	2/28/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	56	OZ	14	3S11E36
ALMOND	2/28/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	108	OZ	27	3S11E36
ALMOND	2/28/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	108	OZ	27	3S11E36
ALMOND	3/1/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	240	OZ	20	3S11E36
ALMOND	3/1/07	G	PRISTINE FUNGICIDE	BOSCALID	240	OZ	20	3S11E36
ALMOND	2/22/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	672	OZ	70	3S12E28
ALMOND	2/22/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	87.5	LB	70	3S12E28
ALMOND	3/7/07	G	ROVRAL 4 FLOWABLE	IPIRODIONE	70	PT	70	3S12E28
ALMOND	3/7/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	43.75	LB	70	3S12E28
ALMOND	2/24/07	G	KOCIDE DF	COPPER HYDROXIDE	30	LB	30	3S12E30
ALMOND	2/24/07	G	ROVRAL 4 FLOWABLE	IPIRODIONE	480	OZ	30	3S12E30

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/24/07	G	DIMILIN 2L	DIFLUBENZURON	300	OZ	30	3S12E30
ALMOND	3/5/07	G	ZIRAM 76 DF	ZIRAM	200	LB	35	3S12E30
ALMOND	3/5/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	385	OZ	35	3S12E30
ALMOND	3/5/07	G	PRISTINE FUNGICIDE	BOSCALID	385	OZ	35	3S12E30
ALMOND	2/24/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	400	OZ	40	3S12E31
ALMOND	2/24/07	G	PRISTINE FUNGICIDE	BOSCALID	400	OZ	40	3S12E31
ALMOND	1/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	88	PT	22	3S12E32
ALMOND	1/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	92	PT	23	3S12E32
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	198	OZ	22	3S12E32
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	207	OZ	23	3S12E32
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	189	OZ	21	3S12E32
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	21	QT	21	3S12E32
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	44	OZ	22	3S12E32
ALMOND	2/28/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	23	QT	23	3S12E32
ALMOND	3/2/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	220	OZ	22	3S12E32
ALMOND	3/2/07	G	PRISTINE FUNGICIDE	BOSCALID	220	OZ	22	3S12E32
ALMOND	3/2/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	230	OZ	23	3S12E32
ALMOND	3/2/07	G	PRISTINE FUNGICIDE	BOSCALID	230	OZ	23	3S12E32
ALMOND	2/24/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	940.8	OZ	98	3S12E33
ALMOND	2/24/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	122.5	LB	98	3S12E33
ALMOND	3/2/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	450	OZ	45	3S12E33
ALMOND	3/2/07	G	PRISTINE FUNGICIDE	BOSCALID	450	OZ	45	3S12E33
ALMOND	3/5/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	98	PT	98	3S12E33
ALMOND	3/5/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	61.25	LB	98	3S12E33
ALMOND	2/21/07	G	VANGARD WG	CYPRODINIL	700	OZ	70	4S11E1
ALMOND	2/27/07	G	KOCIDE DF	COPPER HYDROXIDE	120	LB	60	4S11E1
ALMOND	2/27/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	60	PT	60	4S11E1
ALMOND	2/27/07	G	DIMILIN 2L	DIFLUBENZURON	768	OZ	60	4S11E1
ALMOND	3/1/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	40	PT	40	4S11E1
ALMOND	3/1/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	260	PT	260	4S11E1
ALMOND	3/1/07	G	DIMILIN 2L	DIFLUBENZURON	3328	OZ	260	4S11E1
ALMOND	3/1/07	G	DIMILIN 2L	DIFLUBENZURON	512	OZ	40	4S11E1
ALMOND	2/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	52	QT	26	4S11E11
ALMOND	2/21/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	260	OZ	26	4S11E11
ALMOND	2/21/07	G	PRISTINE FUNGICIDE	BOSCALID	260	OZ	26	4S11E11
ALMOND	2/24/07	G	VANGARD WG	CYPRODINIL	36.875	LB	114	4S11E11
ALMOND	2/24/07	G	DIMILIN 2L	DIFLUBENZURON	11.8	GA	114	4S11E11
ALMOND	3/2/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	75	GA	600	4S11E12
ALMOND	2/20/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	1920	OZ	200	4S11E13
ALMOND	2/20/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	800	LB	200	4S11E13

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/19/07	G	DIMILIN 2L	DIFLUBENZURON	1664	OZ	9	4S11E14
ALMOND	2/19/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	1300	OZ	9	4S11E14
ALMOND	2/19/07	G	PRISTINE FUNGICIDE	BOSCALID	1300	OZ	9	4S11E14
ALMOND	2/26/07	G	DIMILIN 2L	DIFLUBENZURON	512	OZ	40	4S11E14
ALMOND	2/26/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	400	OZ	40	4S11E14
ALMOND	2/26/07	G	PRISTINE FUNGICIDE	BOSCALID	400	OZ	40	4S11E14
ALMOND	1/31/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	106.8	PT	20	4S11E16
ALMOND	2/17/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	180	OZ	20	4S11E16
ALMOND	2/17/07	G	NU-COP 50 WP	COPPER HYDROXIDE	40	LB	20	4S11E16
ALMOND	2/21/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	14	GA	202	4S11E16
ALMOND	2/24/07	G	LAREDO EW	MYCLOBUTANIL	383.6	OZ	28	4S11E16
ALMOND	2/25/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	187	OZ	17	4S11E16
ALMOND	2/28/07	G	VANGARD WG	CYPRODINIL	100	OZ	20	4S11E16
ALMOND	2/28/07	G	LAREDO EW	MYCLOBUTANIL	383.6	OZ	28	4S11E16
ALMOND	3/1/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	14	GA	202	4S11E16
ALMOND	3/2/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	16.5	GA	235	4S11E16
ALMOND	3/5/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	126	LB	202	4S11E16
ALMOND	3/5/07	G	PRISTINE FUNGICIDE	BOSCALID	126	LB	202	4S11E16
ALMOND	2/21/07	G	VANGARD WG	CYPRODINIL	490	OZ	49	4S11E2
ALMOND	2/21/07	G	VANGARD WG	CYPRODINIL	330	OZ	33	4S11E2
ALMOND	2/23/07	G	VANGARD WG	CYPRODINIL	50	OZ	10	4S11E2
ALMOND	2/27/07	G	VANGARD WG	CYPRODINIL	395	OZ	79	4S11E2
ALMOND	2/27/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	158	QT	79	4S11E2
ALMOND	2/27/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	316	OZ	79	4S11E2
ALMOND	2/27/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	316	OZ	79	4S11E2
ALMOND	2/28/07	G	VANGARD WG	CYPRODINIL	35	OZ	7	4S11E2
ALMOND	2/20/07	G	ROVRAL 4 FLOWABLE	IPRODIONE	36	PT	36	4S11E21
ALMOND	2/20/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	144	OZ	36	4S11E21
ALMOND	2/20/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	144	OZ	36	4S11E21
ALMOND	2/26/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	16.5	GA	235.5	4S11E21
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	420	OZ	35	4S11E21
ALMOND	2/28/07	G	PRISTINE FUNGICIDE	BOSCALID	420	OZ	35	4S11E21
ALMOND	3/1/07	G	LAREDO EW	MYCLOBUTANIL	581.4	OZ	38	4S11E21
ALMOND	3/1/07	G	AUXIGRO WP WETTABLE POWDER	GAMMA AMINOBUTYRIC ACID	152	OZ	38	4S11E21
ALMOND	3/1/07	G	AUXIGRO WP WETTABLE POWDER	GLUTAMIC ACID	152	OZ	38	4S11E21
ALMOND	3/5/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	12	OZ	35	4S11E21
ALMOND	3/5/07	G	PRISTINE FUNGICIDE	BOSCALID	12	OZ	35	4S11E21
PEACH PROCESSNG	1/20/07	G	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	768	OZ	80	4S11E23

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
PEACH PROCESSNG	1/20/07	G	NU-COP 50DF	COPPER HYDROXIDE	800	LB	80	4S11E23
ALMOND	2/24/07	G	VANGARD WG	CYPRODINIL	1000	OZ	200	4S11E23
ALMOND	2/24/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	800	LB	200	4S11E23
ALMOND	3/2/07	G	VANGARD WG	CYPRODINIL	980	OZ	196	4S11E23
ALMOND	3/2/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	748	LB	196	4S11E23
ALMOND	2/24/07	G	VANGARD WG	CYPRODINIL	975	OZ	195	4S11E24
ALMOND	2/24/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	780	LB	195	4S11E24
ALMOND	2/27/07	G	VANGARD WG	CYPRODINIL	1850	OZ	370	4S11E24
ALMOND	2/27/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	1480	LB	370	4S11E24
ALMOND	3/2/07	G	VANGARD WG	CYPRODINIL	990	OZ	198	4S11E24
ALMOND	3/2/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	792	LB	198	4S11E24
ALMOND	2/1/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	1326	LB	260	4S11E25
ALMOND	2/20/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	5	GA	38	4S11E25
ALMOND	2/24/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	1968	OZ	205	4S11E25
ALMOND	2/24/07	G	DIMILIN 2L	DIFLUBENZURON	2624	OZ	205	4S11E25
ALMOND	2/24/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	256.25	LB	205	4S11E25
ALMOND	2/26/07	G	FUMITOXIN TABLETS	ALUMINUM PHOSPHIDE	75	OZ	50	4S11E25
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	528	OZ	55	4S11E25
ALMOND	2/28/07	G	DIMILIN 2L	DIFLUBENZURON	704	OZ	55	4S11E25
ALMOND	2/28/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	68.75	LB	55	4S11E25
ALMOND	3/1/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	52.5	GA	420	4S11E25
ALMOND	2/21/07	G	VANGARD WG	CYPRODINIL	35.938	LB	115	4S11E26
ALMOND	2/21/07	G	VANGARD WG	CYPRODINIL	45.313	LB	145	4S11E26
ALMOND	2/21/07	G	DIMILIN 2L	DIFLUBENZURON	11.5	GA	115	4S11E26
ALMOND	2/21/07	G	DIMILIN 2L	DIFLUBENZURON	14.5	GA	145	4S11E26
ALMOND	2/23/07	G	VANGARD WG	CYPRODINIL	56.845	LB	182	4S11E26
ALMOND	2/23/07	G	DIMILIN 2L	DIFLUBENZURON	18.2	GA	182	4S11E26
ALMOND	3/1/07	G	VANGARD WG	CYPRODINIL	36.875	LB	115	4S11E26
ALMOND	2/20/07	G	VANGARD WG	CYPRODINIL	85	OZ	17	4S11E28
ALMOND	2/20/07	G	INTREPID 2F	METHOXYFENOZIDE	170	OZ	17	4S11E28
ALMOND	2/23/07	G	VANGARD WG	CYPRODINIL	220	OZ	44	4S11E28
ALMOND	2/23/07	G	INTREPID 2F	METHOXYFENOZIDE	440	OZ	44	4S11E28
ALMOND	2/27/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	4	GA	62.5	4S11E28
ALMOND	3/2/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	4	GA	62	4S11E28
ALMOND	3/5/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	37.5	GA	300	4S11E28
ALMOND	2/21/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	IPRODIONE	608	OZ	38	4S11E3
ALMOND	2/21/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2.8	GA	40	4S11E3
ALMOND	2/21/07	G	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	10	GA	40	4S11E3

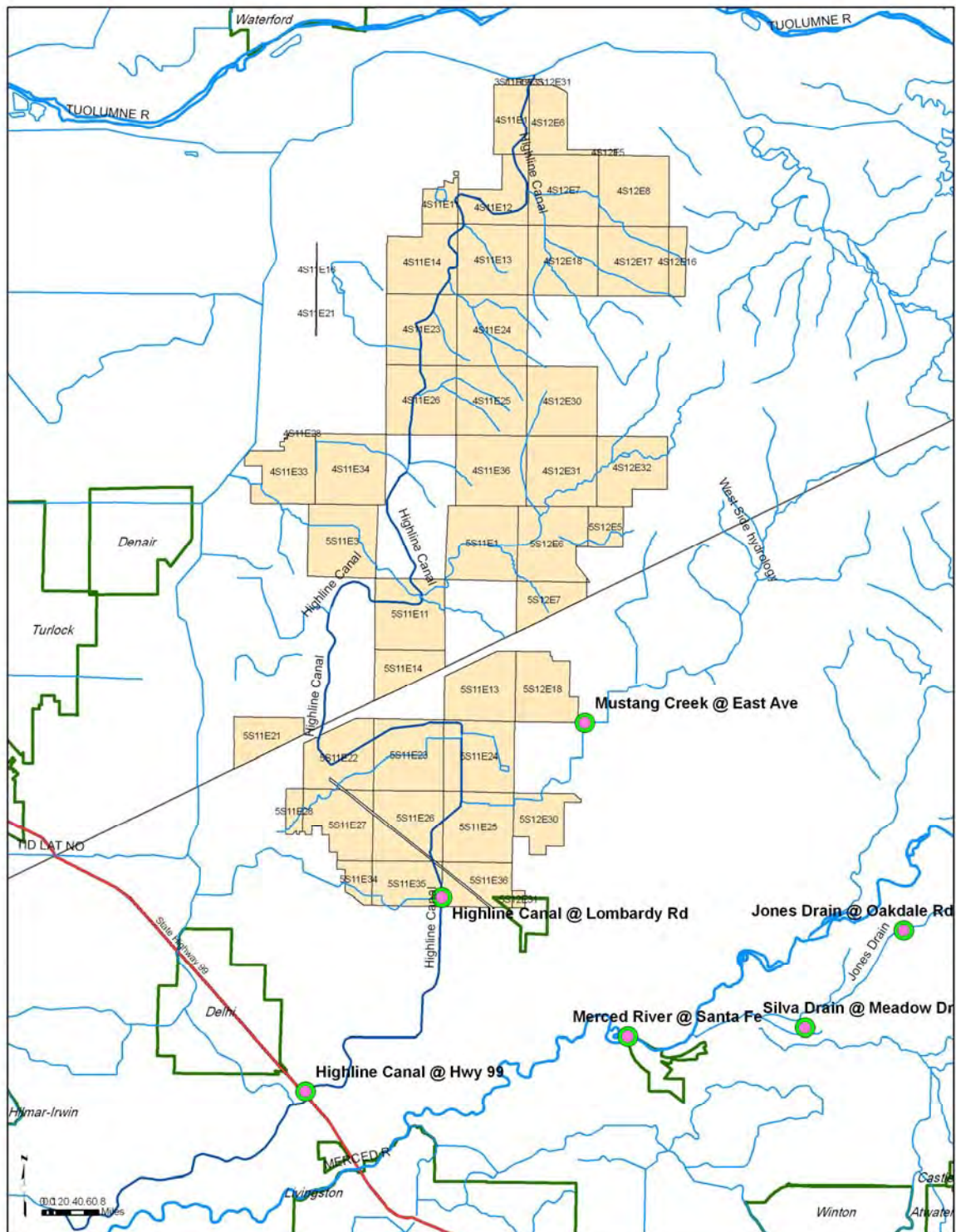
Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/22/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	Iprodione	1376	OZ	86	4S11E3
ALMOND	2/23/07	G	SCALA BRAND SC FUNGICIDE	Pyrimethanil	90	OZ	10	4S11E3
ALMOND	2/23/07	G	SCALA BRAND SC FUNGICIDE	Pyrimethanil	1.61	GA	23	4S11E3
ALMOND	2/23/07	G	CHAMP FORMULA 2 FLOWABLE	Copper Hydroxide	2.5	GA	10	4S11E3
ALMOND	2/23/07	G	AUXIGRO WP WETTABLE POWDER	Gamma Amino Butyric Acid	92	OZ	23	4S11E3
ALMOND	2/23/07	G	AUXIGRO WP WETTABLE POWDER	Glutamic Acid	92	OZ	23	4S11E3
ALMOND	2/24/07	G	SCALA BRAND SC FUNGICIDE	Pyrimethanil	1.125	GA	16	4S11E3
ALMOND	2/24/07	G	SCALA BRAND SC FUNGICIDE	Pyrimethanil	1.61	GA	23	4S11E3
ALMOND	2/24/07	G	AUXIGRO WP WETTABLE POWDER	Gamma Amino Butyric Acid	64	OZ	16	4S11E3
ALMOND	2/24/07	G	AUXIGRO WP WETTABLE POWDER	Glutamic Acid	64	OZ	16	4S11E3
ALMOND	2/24/07	G	AUXIGRO WP WETTABLE POWDER	Gamma Amino Butyric Acid	92	OZ	23	4S11E3
ALMOND	2/24/07	G	AUXIGRO WP WETTABLE POWDER	Glutamic Acid	92	OZ	23	4S11E3
ALMOND	2/25/07	G	SCALA BRAND SC FUNGICIDE	Pyrimethanil	297.6	OZ	31	4S11E3
ALMOND	2/25/07	G	NORDOX 75 WG	Copper Oxide (OUS)	38.75	LB	31	4S11E3
ALMOND	3/5/07	G	AUXIGRO WP WETTABLE POWDER	Gamma Amino Butyric Acid	4	LB	16	4S11E3
ALMOND	3/5/07	G	AUXIGRO WP WETTABLE POWDER	Glutamic Acid	4	LB	16	4S11E3
ALMOND	3/5/07	G	AUXIGRO WP WETTABLE POWDER	Gamma Amino Butyric Acid	5.75	LB	23	4S11E3
ALMOND	3/5/07	G	AUXIGRO WP WETTABLE POWDER	Glutamic Acid	5.75	LB	23	4S11E3
ALMOND	3/5/07	G	PRISTINE FUNGICIDE	Pyraclostrobin	10	LB	16	4S11E3
ALMOND	3/5/07	G	PRISTINE FUNGICIDE	Boscalid	10	LB	16	4S11E3
ALMOND	3/5/07	G	PRISTINE FUNGICIDE	Pyraclostrobin	14	LB	23	4S11E3
ALMOND	3/5/07	G	PRISTINE FUNGICIDE	Boscalid	14	LB	23	4S11E3
ALMOND	3/6/07	G	ROVRAL 4 FLOWABLE	Iprodione	31	PT	31	4S11E3
ALMOND	3/6/07	G	NORDOX 75 WG	Copper Oxide (OUS)	19.38	LB	31	4S11E3
ALMOND	3/6/07	G	AUXIGRO WP WETTABLE POWDER	Gamma Amino Butyric Acid	5.75	LB	23	4S11E3
ALMOND	3/6/07	G	AUXIGRO WP WETTABLE POWDER	Glutamic Acid	5.75	LB	23	4S11E3
ALMOND	3/6/07	G	PRISTINE FUNGICIDE	Pyraclostrobin	14	LB	23	4S11E3
ALMOND	3/6/07	G	PRISTINE FUNGICIDE	Boscalid	14	LB	23	4S11E3
PEACH	1/27/07	G	NU-COP 50DF	Copper Hydroxide	200	LB	20	4S11E33
PEACH	2/28/07	G	ROVRAL 4 FLOWABLE	Iprodione	320	OZ	20	4S11E33
PEACH	3/6/07	G	ROVRAL 4 FLOWABLE	Iprodione	20	PT	20	4S11E33
ALMOND	2/24/07	G	VANGARD WG	Cyprodinil	5	OZ	158	4S11E34
ALMOND	2/24/07	G	DIMILIN 2L	Diflubenuron	12.8	OZ	158	4S11E34

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/24/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	Iprodione	19.625	GA	157	4S11E36
ALMOND	2/26/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	Iprodione	6.875	GA	55	4S11E36
ALMOND	1/24/07	G	DU PONT ASANA XL INSECTICIDE	Esfenvalerate	1286.4	OZ	134	4S12E11
ALMOND	1/24/07	G	NORDOX 75 WG	Copper Oxide (Ous)	683.4	LB	134	4S12E11
ALMOND	3/1/07	G	ROVRAL 4 FLOWABLE	Iprodione	255	PT	255	4S12E16
ALMOND	3/7/07	G	SCALA BRAND SC FUNGICIDE	Pyrimethanil	2240	OZ	250	4S12E17
ALMOND	3/7/07	G	SCALA BRAND SC FUNGICIDE	Pyrimethanil	1792	OZ	200	4S12E18
ALMOND	3/1/07	G	ROVRAL 4 FLOWABLE	Iprodione	200	PT	200	4S12E30
ALMOND	3/1/07	G	DIMILIN 2L	Diflubenzuron	2560	OZ	200	4S12E30
ALMOND	1/5/07	G	METHYL BROMIDE 98%	Methyl Bromide	13062	LB	17416	4S12E31
ALMOND	2/24/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	Iprodione	15	GA	120	4S12E31
ALMOND	2/27/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	Iprodione	10	GA	80	4S12E31
WALNUT	2/28/07	G	KOCIDE 2000	Copper Hydroxide	304	LB	38	4S12E31
WALNUT	2/28/07	G	KOCIDE 2000	Copper Hydroxide	312	LB	39	4S12E31
WALNUT	2/28/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	Pyriproxyfen	152	OZ	38	4S12E31
WALNUT	2/28/07	G	SEIZE 35 WP INSECT GROWTH REGULATOR	Pyriproxyfen	156	OZ	39	4S12E31
ALMOND	3/5/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	Iprodione	20	GA	157	4S12E31
PISTACHIO	1/27/07	G	CUPROFIX ULTRA 40 DISPERSS	Copper Sulfate	6	LB	18	4S12E32
ALMOND	2/27/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	Iprodione	7.5	GA	60	4S12E32
ALMOND	2/28/07	G	ROVRAL BRAND 4 FLOWABLE FUNGICIDE	Iprodione	20	GA	154	4S12E32
ALMOND	3/5/07	G	VANGARD WG	Cyprodinil	18.75	LB	60	4S12E32
ALMOND	2/20/07	G	SCALA BRAND SC FUNGICIDE	Pyrimethanil	3.12	GA	40	4S12E4
ALMOND	2/20/07	G	INTREPID 2F	Methoxyfenoxyd E	3.74	GA	40	4S12E4
ALMOND	2/21/07	G	LAREDO EW	Myclobutanil	512	OZ	40	4S12E4
ALMOND	2/26/07	G	Iprodione 4L AG	Iprodione	5	GA	40	4S12E4
ALMOND	3/3/07	G	PRISTINE FUNGICIDE	Pyraclostrobin	25	LB	40	4S12E4
ALMOND	3/3/07	G	PRISTINE FUNGICIDE	Boscalid	25	LB	40	4S12E4
ALMOND	2/27/07	G	KOCIDE DF	Copper Hydroxide	80	LB	40	4S12E5
ALMOND	2/27/07	G	KOCIDE DF	Copper Hydroxide	50	LB	25	4S12E5
ALMOND	2/27/07	G	ROVRAL 4 FLOWABLE	Iprodione	25	PT	25	4S12E5
ALMOND	2/27/07	G	ROVRAL 4 FLOWABLE	Iprodione	40	PT	40	4S12E5
ALMOND	2/27/07	G	DIMILIN 2L	Diflubenzuron	512	OZ	40	4S12E5
ALMOND	2/27/07	G	DIMILIN 2L	Diflubenzuron	320	OZ	25	4S12E5
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	Pyrimethanil	180	OZ	20	4S12E5
ALMOND	2/28/07	G	AUXIGRO WP WETTABLE POWDER	Gamma Amino Butyric Acid	80	OZ	20	4S12E5
ALMOND	2/28/07	G	AUXIGRO WP WETTABLE POWDER	Glutamic Acid	80	OZ	20	4S12E5

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
ALMOND	2/26/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2867.2	OZ	320	4S12E6
ALMOND	2/26/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	2867.2	OZ	320	4S12E7
ALMOND	1/2/07	G	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	2048	OZ	640	4S12E8
ALMOND	1/2/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	1920	LB	640	4S12E8
ALMOND	2/26/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	537.6	OZ	60	4S12E8
ALMOND	3/2/07	G	ROVRAL 4 FLOWABLE	IPIRODIONE	640	PT	640	4S12E8
ALMOND	1/3/07	G	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	2900	OZ	580	5S11E1
ALMOND	1/3/07	G	NU-COP 50 WP	COPPER HYDROXIDE	4640	LB	580	5S11E1
ALMOND	1/9/07	G	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	2100	OZ	420	5S11E1
ALMOND	1/9/07	G	NU-COP 50 WP	COPPER HYDROXIDE	3360	LB	420	5S11E1
ALMOND	2/23/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	4032	OZ	420	5S11E1
ALMOND	2/23/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	1680	LB	420	5S11E1
ALMOND	2/28/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	3840	OZ	400	5S11E1
ALMOND	2/28/07	G	CAPTAN 50 WETTABLE POWDER	CAPTAN	1600	LB	400	5S11E1
ALMOND	2/24/07	G	ROVRAL 4 FLOWABLE	IPIRODIONE	1600	OZ	100	5S11E11
ALMOND	2/24/07	G	DIMILIN 2L	DIFLUBENZURON	1280	OZ	100	5S11E11
ALMOND	2/24/07	G	NORDOX 75 WG	COPPER OXIDE (OUS)	125	LB	100	5S11E11
ALMOND	1/6/07	G	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	1500	LB	250	5S11E14
ALMOND	2/27/07	G	VANGARD WG	CYPRODINIL	31.25	LB	100	5S11E14
ALMOND, ORGANIC	2/21/07	G	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	70	LB	35	5S11E21
APRICOT	2/20/07	G	ORBIT FUNGICIDE	PROPICONAZOLE	74	OZ	18.5	5S11E3
APRICOT	2/20/07	G	KOCIDE DF	COPPER HYDROXIDE	37	LB	18.5	5S11E3
APRICOT	2/20/07	G	ECHO 720 AGRICULTURAL FUNGICIDE	CHLOROTHALONIL	74	PT	18.5	5S11E3
ALMOND	2/24/07	G	IPIRODIONE 4L AG	IPIRODIONE	2192	OZ	137	5S11E3
APRICOT	3/3/07	G	ROVRAL 4 FLOWABLE	IPIRODIONE	27.75	PT	18.5	5S11E3
OAT FOR/FOD	1/17/07	G	WEEVIL-CIDE TABLETS	ALUMINUM PHOSPHIDE	4	LB	170	5S12E5
ALMOND	1/25/07	G	ADJOURN INSECTICIDE	ESFENVALERATE	4.7	GA	100	5S12E5
ALMOND	1/25/07	G	CUPROFIX DISPERSS	COPPER SULFATE (BASIC)	20	LB	100	5S12E5
ALMOND	2/24/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	480.15	OZ	45	5S12E5
ALMOND	1/10/07	G	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	1.66	GA	76	5S12E6
ALMOND	1/10/07	G	NU-COP 50DF	COPPER HYDROXIDE	608	LB	76	5S12E6
ALMOND	2/20/07	G	ROVRAL 4 FLOWABLE	IPIRODIONE	9.5	GA	76	5S12E6
ALMOND	2/24/07	G	ROVRAL 4 FLOWABLE	IPIRODIONE	8	PT	8	5S12E6
ALMOND	3/5/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	59.38	LB	76	5S12E6
ALMOND	3/5/07	G	PRISTINE FUNGICIDE	BOSCALID	59.38	LB	76	5S12E6
ALMOND	2/26/07	G	SCALA BRAND SC FUNGICIDE	PYRIMETHANIL	6260	OZ	626	5S12E7
ALMOND	2/26/07	G	ECHO 720 AGRICULTURAL	CHLOROTHALONIL	40064	OZ	626	5S12E7

Commodity	Date applied	Application method	Product name	AI	Quantity used	Units	Acres treated	TRS
			FUNGICIDE					
ALMOND	3/1/07	G	PRISTINE FUNGICIDE	PYRACLOSTROBIN	7512	OZ	626	5S12E7
ALMOND	3/1/07	G	PRISTINE FUNGICIDE	BOSCALID	7512	OZ	626	5S12E7

Figure IV-22. Location of Pesticide applications for Highline Canal @ Lombardy Rd. – storm 2 RS



SEMI-ANNUAL MONITORING REPORT
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(Appendix V)

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Exceedance, Communication, and Evaluation Reports

Exceedance Reports

From: Krista Callinan [kristacallinan@gmail.com]

Sent: Monday, February 12, 2007 4:25 PM

To: Dana Kulesza

Cc: Parry Klassen; Michael Johnson; Melissa Turner; Francisca Johnson; Lara Reising; Genevieve K. Walden; kristacallinan@gmail.com

Subject: Field Exceedance Report

Attachments: ESJWQC_07_ER_field_storm1_table_021207.doc

Dear Dana,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On February 11, 2007, sampling was conducted in the ESJWQC region for the first storm season sampling event. During the sampling field parameters were measured. One exceedance of the receiving water limitation for electrical conductivity (EC) was measured during the February 11 sampling event at Prairie Flower Drain at Crows Landing Road. There were no exceedances of the pH or the DO limit. See attached Table 1 for details. If you wish to see the raw data prior to the submission of the communication report, we can supply the field sheets as scanned pdfs upon request.

b.) Immediate follow-up sampling will not be conducted. If Prairie Flower Drain experiences a toxicity exceedance and requires resampling, field parameters will then be measured again at that site.

c.) High levels of electrical conductivity are common at the Prairie Flower Drain site and the ESJWQC is considering special studies to investigate the source of these salts in order to better understand and find ways to deal with the problem. Management Plans for Prairie Flower Drain will be submitted to the CVRWQCB based on the Management Plan Schedule in which a revision will be submitted by the end of this week. Therefore, a communication report will not be submitted for this exceedance.

Mike Johnson

Table 1. Field parameter water quality objective exceedance experienced during the first storm sampling for ESJWQC receiving waters on 2/11/07.

Site Name	Season	Sample Date	Field

			Exceedance
			EC (µS/cm)
Prairie Flower Drain at Crows Landing Road	Storm	2/11/2007	2694

From: Krista Callinan [kristacallinan@gmail.com]

Sent: Tuesday, February 20, 2007 4:42 PM

To: Dana Kulesza

Cc: Parry Klassen; Michael Johnson; Melissa Turner; Francisca Johnson; Lara Reising; Genevieve K. Walden; kristacallinan@gmail.com

Subject: ESJWQC toxicity exceedance report

Attachments: ESJWQC_07_ER_toxicity_storm1_table_022007.doc

Dear Dana,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On February 11, 2007, sampling was conducted in the ESJWQC region for the first storm season sampling event. Toxicity to *Selenastrum* was experienced in samples taken from Dry Creek @ Wellsford Rd (52% growth relative to control). Refer to Table 1 attached for details. TIE tests will not be initiated due to greater than 50% survival relative to the controls. The raw data for these exceedances are available upon request.

b.) Follow-up sampling will be conducted this week Thursday, February 22, 2007. We will wait for the results from the lab on the samples to indicate whether the toxicity is persistent.

c.) Management Plans for all Dry Creek @ Wellsford Rd will be submitted to the CVRWQCB based on the time schedule provided on February 13, 2007. The Management Plan will deal with all analysis and follow up actions proposed to address the toxicity exceedance reported here in. Therefore, a communication report will not be submitted for this exceedances.

Mike Johnson

Table 1. Toxicity exceedances experienced during the first storm sampling for ESJWQC receiving waters sampled on 2/11/07.

Site Name	Season	Sample Date	Selenastrum capricornicum (%growth)
Dry Creek @ Wellsford Rd	Storm	2/11/2007	52

From: Krista Callinan [kristacallinan@gmail.com]

Sent: Friday, March 02, 2007 6:30 PM

To: Dana Kulesza

Cc: Parry Klassen; Michael Johnson; Francisca Johnson; Melissa Turner; Jon Katz; Lara Reising; kristacallinan@gmail.com

Subject: Revised Field Exceedance Report

Attachments: ESJWQC_07_ER_field_storm2_table_030207.doc

Dear Dana,

I apologize for the confusion, but there was a miscommunication between our staff regarding the sampling dates for the ESJWQC second storm event. Here I have made edits to the exceedance report as needed to accurately reflect the two days of sampling that occurred. Please disregard the previous report.

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On 28 February and 2 March 2007, sampling was conducted in the ESJWQC region for the second storm season sampling event. During the sampling field parameters were measured and exceedances were experienced in pH, dissolved oxygen (DO), and electrical conductivity (EC). One exceedance of the pH objective was measured at Prairie Flower Drain @ Crows Landing Rd, and one exceedance of the DO objective was experienced at Jones Drain @ Oakdale Rd. Three exceedances of the EC objective were experienced in samples taken from Hilmar Drain @ Central Ave, Mustang Creek @ East Ave, and Prairie Flower Drain @ Crows Landing Rd. See attached Table 1 for details. It should be noted that a number of the sampling sites for this event were dry or pooled water, these include Cottonwood Creek @ Rd 20, Dry Creek @ Rd 18, Berenda Slough along Ave 18 ½, Ash Slough at Ave 21, South Slough @ Quinley Rd, and Highline Canal @ Hwy 99. If you wish to see the raw data prior to the submission of the communication report, we can supply the field sheets as scanned pdfs upon request.

b.) Immediate follow-up sampling will not be conducted. If any of the sites herein experience a toxicity exceedance and require resampling, field parameters will then be measured again at that site.

c.) Exceedances in pH occur occasionally in the Coalition region and are difficult to source. The high pH experienced at Prairie Flower Drain may be due to a particular input into the water body or natural conditions of the water body itself, among other possible sources. DO exceedances are common in the Coalition region due to low flow, high water temperatures, as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). Sites sampled in previous events have also experienced frequent DO exceedances, however samples taken during storm season events have experienced fewer exceedances than typically occur during the irrigation season. Measures of electrical conductivity are consistently high in the Coalition region and the ESJWQC is considering special studies to investigate the source of these salts in order to better understand and find ways to deal with the problem. Management Plans for all subwatersheds included in this report will be submitted to the CVRWQCB based on the Management Plan Schedule provided on 13 February 2007. Therefore, a communication report will not be submitted for these exceedances.

Mike Johnson

Table 1. Field parameter water quality objective exceedances experienced during the second storm sampling for ESJWQC receiving waters on 2/28/07 and 3/01/07.

Site Name	Season	Sample Date	pH	DO (mg/L)	EC (uS/cm)
Hilmar Drain @ Central Ave	Storm	2/28/07, 3/01/07			1396
Jones Drain @ Oakdale Rd	Storm	2/28/07, 3/01/07		6.85	
Mustang Creek @ East Ave	Storm	2/28/07, 3/01/07			760
Prairie Flower Drain @ Crows Landing Rd	Storm	2/28/07, 3/01/07	8.57		2592

From: Michael Johnson [mbjohnson@ucdavis.edu]

Sent: Tuesday, March 06, 2007 2:31 PM

To: 'Dana Kulesza'

Cc: 'Parry Klassen'; 'Melissa Turner'; kristacallinan@gmail.com; 'Francisca Johnson'; mjohnson@ucdavis.edu; 'Ling-ru Chu'

Subject: exceedance report

Attachments: ESJWQC_07_ER_toxicity_storm1_table_030607.doc

Dear Dana,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On February 22, 2007, resampling was conducted in the ESJWQC region due to Selenastrum toxicity experienced at Dry Creek @ Wellsford Rd (52% growth relative to control) collected on February 11, 2007. The resample also had exhibited Selenastrum toxicity (16% growth relative to control). See attached table for results. The Coalition was notified of this toxicity on March 5, 2007 by the laboratory. At the time of notification from the laboratory, the laboratory discovered that a TIE had not been initiated even though the results met the criteria to initiate a TIE right away. Therefore the coalition authorized the laboratory to initiate the TIE on March 6, 2007 in hopes that the toxicity is still persistent and being able to narrow down the cause of toxicity. This was also communicated to you via a telephone call on the morning of March 6 explaining the situation. The raw data for these exceedances are available upon request.

b.) Follow-up sampling will be not be conducted since this was a follow-up to original monitoring.

c.) A Management Plan for Dry Creek @ Wellsford Rd will be submitted to the CVRWQCB based on the time schedule provided on February 13, 2007. The Management Plan will deal with all analysis and follow up

actions proposed to address the toxicity exceedance reported here in. Therefore, a communication report will not be submitted for this exceedances.

Table 1. Toxicity exceedances experienced during the first storm sampling for ESJWQC receiving waters sampled on 2/11/07 and resampled on 2/22/07.

Site Name	Season	Sample Date	<i>Selenastrum capricornicum</i> (%growth)
Dry Creek @ Wellsford Rd	Storm	2/11/2007	52
Dry Creek @ Wellsford Rd	Storm	2/22/2007	16

From: Krista Callinan [kristacallinan@gmail.com]

Sent: Thursday, March 08, 2007 3:32 PM

To: Dana Kulesza

Cc: Parry Klassen; Michael Johnson; Melissa Turner; Francisca Johnson; Jon Katz; Lara Reising; kristacallinan@gmail.com

Subject: Toxicity Exceedance Report

Attachments: ESJWQC_07_ER_toxicity_storm2_table_030807.doc

Dear Dana,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On 2007 February 28 and March 1, sampling was conducted in the ESJWQC region for the second storm season sampling event. Toxicity to *Selenastrum* was experienced in samples taken from two sites including Highline Canal @ Lombardy Ave (70% growth relative to control) and Dry Creek @ Wellsford Rd (32% growth relative to control). Toxicity to *Ceriodaphnia* was also experienced at Highline Canal @ Lombardy Ave (56% compared to control). Refer to Table 1 attached for details. A TIE test for the Dry Creek @ Wellsford Rd sample was initiated on 2007 March 6, due to less than 50% survival of *Selenastrum* relative to the controls. The raw data for these exceedances are available upon request.

b.) Follow-up sampling at the sites included in this report occurred on 2007 March 7. We will wait for the results from the lab on the samples to indicate whether the toxicity is persistent.

c.) Management Plans for all subwatersheds included in this report will be submitted to the CVRWQCB based on the time schedule provided on 2007 February 13. The Management Plans will deal with all analysis and follow up actions proposed to address the toxicity exceedances reported herein. Therefore, a communication report will not be submitted for these exceedances.

Mike Johnson

Table 1. Toxicity exceedances experienced during the second storm sampling for ESJWQC receiving waters sampled on 2/28/07 and 3/01/07.

Site Name	Sample Date	Event	<i>Selenastrum capricornutum</i> (%control)	<i>Ceriodaphnia dubia</i> (%control)
Highline Canal @ Lombardy Ave	2/28/2007	Storm	70	56
Dry Creek @ Wellsford Rd	2/28/2007	Storm	32	-

From: Krista Callinan [kristacallinan@gmail.com]

Sent: Thursday, March 08, 2007 3:38 PM

To: Dana Kulesza

Cc: Parry Klassen; Michael Johnson; Melissa Turner; Francisca Johnson; Jon Katz; Lara Reising; kristacallinan@gmail.com

Subject: Field Exceedance Report

Attachments: ESJWQC_07_ER_field_storm_sediment_table_030807.doc

Dear Dana,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On March 7, 2007, sampling was conducted in the ESJWQC region for the 2007 storm sediment sampling event. During the sampling field parameters were measured. Two exceedances of the receiving water limitation for pH were measured at Duck Creek @ Gurr Rd (9.17) and at Hilmar Drain @ Central Ave (8.79), and two exceedances of the electrical conductivity (EC) limitation were measured at Prairie Flower Drain @ Crows Landing Rd (4798 $\mu\text{S}/\text{cm}$) and Hilmar Drain @ Central Ave (1633 $\mu\text{S}/\text{cm}$). There were no exceedances of the dissolved oxygen limit. See attached Table 1 for details. If you wish to see the raw data prior to the submission of the communication report, we can supply the field sheets as scanned pdfs upon request.

b.) Immediate follow-up sampling will not be conducted. If any sites included in this report experience sediment toxicity and require resampling, field parameters will then be measured again at that site.

c.) Exceedances in pH occur occasionally in the Coalition region and are difficult to source. The high pH experienced at Duck Creek and Hilmar Drain may be due to a particular input or natural conditions of the water bodies, among other possible sources. High levels of electrical conductivity are common at the Prairie Flower Drain and Hilmar Drain sites and the ESJWQC is considering special studies to investigate the source of these salts in order to better understand and find ways to deal with the problem. Management Plans for the subwatersheds included in this report will be submitted to the CVRWQCB based on the Management Plan Schedule provided on 2007 February 13. Therefore, a communication report will not be submitted for these exceedances.

Mike Johnson

Table 1. Field parameter water quality objective exceedances experienced during the 2007 storm sediment sampling event for ESJWQC receiving waters on March 7, 2007.

Site Name	Season	Sample Date	pH (pH units)	EC (µS/cm)
Duck Creek @ Gurr Rd	Storm	3/7/2007	9.17	
Prairie Flower Drain @ Crows Landing Rd	Storm	3/7/2007		4798
Hilmar Drain @ Central Ave	Storm	3/7/2007	8.79	1633

From: Krista Callinan [kristacallinan@gmail.com]

Sent: Friday, March 09, 2007 9:43 AM

To: Dana Kulesza

Cc: Parry Klassen; Michael Johnson; Melissa Turner; Francisca Johnson; Jon Katz; Lara Reising; kristacallinan@gmail.com

Subject: Re: Field Exceedance Report

Attachments:

ESJWQC_07_ER_field_storm_sediment_table_030907_amended.doc

Dear Dana,

The ESJWQC submitted an Exceedance Report yesterday, March 8 (see email below), but it has come to our attention that one of the sites included in the report was misnamed. Duck Slough @ Gurr Rd was incorrectly written as Duck Creek @ Gurr Rd. As a result, we are submitting an amended report herein.

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On March 7, 2007, sampling was conducted in the ESJWQC region for the 2007 storm sediment sampling event. During the sampling field parameters were measured. Two exceedances of the receiving water limitation for pH were measured at Duck Slough @ Gurr Rd (9.17) and at Hilmar Drain @ Central Ave (8.79), and two exceedances of the electrical conductivity (EC) limitation were measured at Prairie Flower Drain @ Crows Landing Rd (4798 µS/cm) and Hilmar Drain @ Central Ave (1633 µS/cm). There were no exceedances of the dissolved oxygen limit. See attached Table 1 for details. If you wish to see the raw data prior to the submission of the communication report, we can supply the field sheets as scanned pdfs upon request.

b.) Immediate follow-up sampling will not be conducted. If any sites included in this report experience sediment toxicity and require resampling, field parameters will then be measured again at that site.

c.) Exceedances in pH occur occasionally in the Coalition region and are difficult to source. The high pH experienced at Duck Slough and Hilmar Drain may be due to a particular input or natural

conditions of the water bodies, among other possible sources. High levels of electrical conductivity are common at the Prairie Flower Drain and Hilmar Drain sites and the ESJWQC is considering special studies to investigate the source of these salts in order to better understand and find ways to deal with the problem. Management Plans for the subwatersheds included in this report will be submitted to the CVRWQCB based on the Management Plan Schedule provided on 2007 February 13. Therefore, a communication report will not be submitted for these exceedances.

Mike Johnson

Sent On 3/8/07, Krista Callinan <kristacallinan@gmail.com> wrote:

Dear Dana,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On March 7, 2007, sampling was conducted in the ESJWQC region for the 2007 storm sediment sampling event. During the sampling field parameters were measured. Two exceedances of the receiving water limitation for pH were measured at Duck Creek @ Gurr Rd (9.17) and at Hilmar Drain @ Central Ave (8.79), and two exceedances of the electrical conductivity (EC) limitation were measured at Prairie Flower Drain @ Crows Landing Rd (4798 $\mu\text{S}/\text{cm}$) and Hilmar Drain @ Central Ave (1633 $\mu\text{S}/\text{cm}$). There were no exceedances of the dissolved oxygen limit. See attached Table 1 for details. If you wish to see the raw data prior to the submission of the communication report, we can supply the field sheets as scanned pdfs upon request.

b.) Immediate follow-up sampling will not be conducted. If any sites included in this report experience sediment toxicity and require resampling, field parameters will then be measured again at that site.

c.) Exceedances in pH occur occasionally in the Coalition region and are difficult to source. The high pH experienced at Duck Creek and Hilmar Drain may be due to a particular input or natural conditions of the water bodies, among other possible sources. High levels of electrical conductivity are common at the Prairie Flower Drain and Hilmar Drain sites and the ESJWQC is considering special studies to investigate the source of these salts in order to better understand and find ways to deal with the problem. Management Plans for the subwatersheds included in this report will be submitted to the CVRWQCB based on the Management Plan Schedule provided on 2007 February 13. Therefore, a communication report will not be submitted for these exceedances.

Mike Johnson

Table 1. Field parameter water quality objective exceedances experienced during the 2007 storm sediment sampling event for ESJWQC receiving waters on March 7, 2007.

Site Name	Season	Sample	pH	EC

		Date	(pH units)	(µS/cm)
Duck Slough @ Gurr Rd	Storm	3/7/2007	9.17	
Prairie Flower Drain @ Crows Landing Rd	Storm	3/7/2007		4798
Hilmar Drain @ Central Ave	Storm	3/7/2007	8.79	1633

From: Krista Callinan [kristacallinan@gmail.com]

Sent: Wednesday, March 14, 2007 3:23 PM

To: Dana Kulesza

Cc: Parry Klassen; Michael Johnson; Melissa Turner; Francisca Johnson; Jon Katz; Lara Reising; kristacallinan@gmail.com

Subject: Toxicity Exceedance Report

Attachments: ESJWQC_07_ER_toxicity_storm2_resample_table_031407.doc

Dear Dana,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On March 7, 2007, resampling was conducted in the ESJWQC region due to *Ceriodaphnia* toxicity experienced at Highline Canal @ Lombardy Rd (56% survival relative to control) collected on February 28, 2007. The resample taken from Highline Canal showed persistent toxicity to *Ceriodaphnia* which experienced complete mortality (0% survival). A dilution series and a TIE have been initiated on March 10 and 11, respectively, for this resample. The Highline Canal site also had exhibited *Selenastrum* toxicity on the original sample date (70% growth relative to control), but did not exhibit toxicity in the resample. See attached table for result details. The raw data for these exceedances are available upon request.

b.) Follow-up sampling will be not be conducted since this was a follow-up to original monitoring.

c.) A Management Plan for Highline Canal will be submitted to the CVRWQCB based on the time schedule provided on February 13, 2007. The Management Plan will deal with all analysis and follow up actions proposed to address the toxicity exceedance reported here in. Therefore, a communication report will not be submitted for this exceedance.

Mike Johnson

Table 1. Toxicity exceedances experienced from resampling of the second storm sampling event for ESJWQC receiving waters on 3/07/07.

Site Name	Season	Sample Date	<i>Ceriodaphnia dubia</i> (%survival)
Highline Canal @ Lombardy Rd	Storm	3/07/07	0

From: Melissa Turner [mmtturner@ucdavis.edu]

Sent: Sunday, March 18, 2007 2:02 PM

To: Dana Kulesza

Cc: pklassen@unwiredbb.com; mbjohnson@ucdavis.edu; Francisca Johnson; Krista Callinan; Lara Reising

Subject: ESJWQC Exceedances Storm1

Attachments: ESJWQC_07_ER_PP_Ecoli_Metals_Nut_Tbl_Storm1_031807.xls

Dana,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a.) On February 11 and 12, 2007 sampling was conducted in the ESJWQC region for the first 2007 storm monitoring event. Water was collected for analysis of physical parameters, nutrients, metals and bacteria analysis and we received the data from the laboratory on March 14, 2007. Exceedances of receiving water limitations for several constituents including E. coli, TDS, color, nutrients and metals were experienced at sites in the Coalition region. The sites, sampling dates and exceedances are provided in an excel file attached to this email with the exceedance level listed under the constituent for each column header. This file also includes spreadsheets containing information on calculating the metals and ammonia exceedances.

The list of water quality objectives used to evaluate the data for exceedances is the same that was reviewed and emailed by you on February 13, 2007. Raw data are available upon request.

b.) Follow-up sampling will not be conducted for these exceedances. Data for this monitoring event was received after our second storm sampling event was completed on February 28 and March 1, 2007. Therefore the results from the second monitoring event should indicate where water quality exceedances included in this report are persistent.

c.) Management Plans for all subwatersheds included in this report will be submitted to the CVRWQCB based on the time schedule provided on February 13, 2007. These Management Plans will deal with all analysis and follow up actions proposed to address the exceedances reported here in. Therefore, a communication report will not be submitted for these exceedances.

Mike Johnson

Exceedances

Site Name	StationCode	SampleDate	E. Coli (235 MPN/100)	Arsenic (0.004 ug/L)	Cadmium (0.07)	Hardness (mg/L)	Copper (based on hardness; limit noted in parenthesis)	Lead (based on hardness; if hardness >71, 2 ug/L)	Nickel (based on hardness; if hardness >19, 12 ug/L)	Color (15 color units)	Ammonia (based on pH and temperature if pH >7.6; limit noted in parenthesis)	TDS (>450 mg/L)	Nitrogen (10 mg/L)
Prairie Flower Drain @ Crows Landing Rd	535XPFDC	11/Feb/2007	2400	9.6						20		1600	24
Dry Creek @ Wellsford Rd	535XDCAWR	11/Feb/2007	290	1		100				50			
Dry Creek @ Rd 18	545XDCARE	11/Feb/2007		1.9		36	14 (3.9)			35			
Hilmar Drain @ Central Ave	535XHDACA	11/Feb/2007	>2400	2.3	0.08J	110	84 (10)			250	13 (3.69)		
Deadman Creek @ Hwy 59	535DMCAHF	11/Feb/2007	400							100			
Highline Canal @ Hwy 99	535XHCHNN	11/Feb/2007		1.4		18	3 (2.1)	0.52 (0.37)		20			
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	11/Feb/2007	>2400	14		180	16 (15)	3.1	16	200			
Highline Canal @ Lombardy Rd	535XHCALR	11/Feb/2007		0.5		18	2.5 (2.1)	0.45 (0.36)		25			
Duck Slough @ Gurr Rd	535XDSAGR	12/Feb/2007	>2400	7.3	0.2	140	47 (12)	13	54	550			
Duck Slough @ Gurr Rd (FD)	535XDSAGR	12/Feb/2007	>2400	6.7	0.2	140	44 (12)	13	53	500			
Merced River @ Santa Fe	535XMRSFD	12/Feb/2007		1.1				0.82 (0.61)		45			
Silva Drain @ Meadow Dr	535XSDAMD	12/Feb/2007	210							65			
Jones Drain @ Oakdale Rd	535XJDAOR	12/Feb/2007	>2400	2.7	0.1	84	21 (8.1)	2.2		200	4.7 (3.4)		
Duck Slough @ Hwy 99	535XDSAHN	12/Feb/2007	2400	7	0.2	110	31 (10)	15	41	450			
Mustang Creek @ East Ave	535XMCAEA	12/Feb/2007								140			
Bear Creek @ Kibby Rd	535XBCAKR	12/Feb/2007	>2400	3.4		100	12 (9.3)	2.4		180			
Black Rascal Creek @ Yosemite Rd	535BRCAJR	12/Feb/2007	>2400							110			

FD- field duplicated

J- estimated value; between laboratory reporting limit and minimum
detection limit

Formulas

StationCode	Hardness as CaCO3	Copper	Lead	Nickel	Zinc	Copper Limit	Copper Exc	Lead Limit	Lead Exc	Nickel Limit	Nickel Exc	Zinc Limit	Zinc Exc
535XHCHNN	18	3	0.52	1.4	24	2.155069	TRUE	0.358597	TRUE	12.2271	FALSE	28.02262	FALSE
535XHCALR	18	2.5	0.45	1.2	6	2.155069	TRUE	0.358597	TRUE	12.2271	FALSE	28.02262	FALSE
535XDCAWR	100	1.9	0.19	1.7	7	9.328908	FALSE	3.181592	FALSE	52.16303	FALSE	119.8164	FALSE
545XDCARE	36	14	0.7	1.6	10	3.896649	TRUE	0.866598	FALSE	21.97833	FALSE	50.41635	FALSE
535XMRSFD	28	2.9	0.82	1.7	14	3.1436	FALSE	0.629327	TRUE	17.76882	FALSE	40.74678	FALSE

pH > 7.6

ProjectID	StationName	StationCode	Season	SampleDate	Sample Time	FieldResultComments	pH none	Temperatu re °C	Ammonia
04ES5001	Dry Creek @ Rd 18	545XDCARE	Storm1	11/Feb/2007	11:50		7.89	16.5	
04ES5001	Hilmar Drain @ Central Ave	535XHDACA	Storm1	11/Feb/2007	13:15		7.61	15.5	13
04ES5001	Deadman Creak @ Hwy 59	535DMCAHF	Storm1	11/Feb/2007	14:20		8.42	15.91	
04ES5001	Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	Storm1	11/Feb/2007	15:45		8.18	15.75	0.19
04ES5001	Highline Canal @ Lombardy Rd	535XHCALR	Storm1	11/Feb/2007	16:15	YSI wouldn't calibrate in the field, measured with YSI 566 10m #2253 at hotel at 18:45	8.24	13.6	
04ES5001	Duck Slough @ Gurr Rd	535XDSAGR	Storm1	12/Feb/2007	9:15		7.7	11.97	0.12
04ES5001	Silva Drain @ Meadow Dr	535XSDAMD	Storm1	12/Feb/2007	10:20	pH meter is not calibrating, used lab meter pH 03	7.75	11.7	
04ES5001	Jones Drain @ Oakdale Rd	535XJDAOR	Storm1	12/Feb/2007	10:50	pH meter wouldn't calibrate, used lab pH meter 03	7.8	13.5	4.7
04ES5001	Duck Slough @ Hwy 99	535XDSAHN	Storm1	12/Feb/2007	11:35		7.71	10.66	
04ES5001	Mustang Creek @ East Ave	535XMCAEA	Storm1	12/Feb/2007	11:40	pH meter did not calibrate, lab pH meter pH 03 used	7.78	13	
04ES5001	Bear Creek @ Kibby Rd	535XBCAKR	Storm1	12/Feb/2007	12:40		7.63	11.8	
04ES5001	Black Rascal Creek @ Yosemite Rd	535BRCAJR	Storm1	12/Feb/2007	13:10		8.45	18.6	

From: Krista Callinan [kristacallinan@gmail.com]

Sent: Friday, March 30, 2007 3:56 PM

To: Dana Kulesza

Cc: Parry Klassen; Michael Johnson; Melissa Turner; Francisca Johnson; Jon Katz; Lara Reising; kristacallinan@gmail.com

Subject: No toxicity in 2007 storm sediment samples

Dear Dana,

The purpose of this email is simply to inform you that the Coalition recently received sediment toxicity results for the 2007 storm sampling event, and the results show that no toxicity was experienced in any of the samples collected by the ESJWQC on 7 March 2007. As a result, there will be no exceedance report or follow up monitoring for this event.

Feel free to contact me if you have any questions.

Krista

From: Krista Callinan [kristacallinan@gmail.com]

Sent: Friday, April 06, 2007 7:29 AM

To: Dana Kulesza

Cc: Parry Klassen; Michael Johnson; Melissa Turner; Francisca Johnson; Jon Katz; Lara Reising; kristacallinan@gmail.com

Subject: Pesticide Exceedance Report

Attachments: ESJWQC_07_ER_Pesticide_Storm1_table_040507.doc

Dana,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On February 11 and 12, 2007 sampling was conducted in the ESJWQC region for the first storm season monitoring event. Data were received from the laboratory on March 30, 2007. Exceedances were experienced at Dry Creek @ Rd 18, Dry Creek @ Wellsford Rd, Highline Canal @ Hwy 99, Merced River @ Santa Fe, Mustang Creek @ East Ave, and Bear Creek @ Kibby Rd in one or more pesticide including Diazinon, Diuron, Simazine, and DDT. See attached Table 1 for details on these exceedances.

b. Follow-up sampling for these pesticide exceedances will not be conducted. The second storm event occurred on February 28 and March 1, 2007 and results from the analysis of those samples will indicate whether exceedances in this report are persistent.

c. Management Plans for all subwatersheds included in this report have been or will be submitted to the CVRWQCB based on the time schedule provided on February 13, 2007. If additional exceedances are experienced after the submission of the site subwatershed Management Plan, appropriate actions will be assigned as needed for the current sampling season and additional monitoring will occur the following year. Updated management plans will be provided to the Regional Board each year and will deal with all analysis and follow up actions proposed to address exceedances. As a result, a communication report will not be submitted for these exceedances.

Mike Johnson

Table 1. Pesticide exceedances from the ESJWQC region for samples collected during the first February storm sampling event. Water quality objectives for each pesticide are listed in a separate column.

Sample Site	Sample Date	Pesticide	WQO (µg/L)	Exceedance Result (µg/L)
Dry Creek @ Rd 18	2/11/2007	Diazinon	0.10	0.13
Dry Creek @ Wellsford Rd	2/11/2007	Diuron	14	37
Highline Canal @ Hwy 99	2/11/2007	Diuron	14	25
Highline Canal @ Hwy 99	2/11/2007	Simazine	4.0	13
Merced River @ Santa Fe	2/12/2007	Simazine	4.0	5.5
Mustang Creek @ East Ave	2/12/2007	Simazine	4.0	9.5
Bear Creek @ Kibby Rd	2/12/2007	DDT	0.00059	0.0091*

*between the MDL (minimum detection limit) and RL (reporting limit), therefore considered an estimate.

From: Krista Callinan [kristacallinan@gmail.com]

Sent: Monday, April 23, 2007 9:05 PM

To: Dana Kulesza

Cc: Parry Klassen; Michael L. Johnson; Francisca Johnson; Melissa Turner; Jon Katz; Lara Reising; kristacallinan@gmail.com

Subject: Metal, E. coli and Physical Parameter Exceedance Report

Attachments:

ESJWQC_07_ER_E.coli_inorganics_metals_storm2_table_042307.doc

Dana,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a.) On February 28 and March 1, 2007 sampling was conducted in the ESJWQC region for the second 2007 storm monitoring event. Water was collected for analysis of physical parameters, nutrients, metals and bacteria; data were received from the laboratory on April 20, 2007. Exceedances of receiving water limitations for several constituents including *E. coli*, TDS, color, nutrients and metals were experienced at 15 sites in the Coalition region. The sites, sampling dates and exceedances are provided in Table 1 attached to this email with the exceedance level listed under each constituent in the column headers. The list of water quality objectives used to evaluate the data for exceedances is the same that was reviewed and emailed by you on February 13, 2007. Raw data are available upon request.

b.) Follow-up sampling will not be conducted for these exceedances. Data for this monitoring event was received just prior to the first irrigation sampling event. Therefore the results from the irrigation event should indicate where water quality exceedances included in this report are persistent.

c.) Communication reports are required where first time exceedances in a particular parameter occur at a site subwatershed. Exceedances that require Communication Reports are bolded in the attached Table 1 and include exceedances experienced at Duck Slough @ Gurr Rd (nickel), Duck Slough @ Hwy 99 (arsenic), Merced River @ Santa Fe (arsenic, lead), Bear Creek @ Kibby Rd (arsenic, lead), Deadman Creek @ Hwy 59 (*E. coli*), Deadman's Creek @ Gurr Rd (arsenic, lead), Dry Creek @ Wellsford Rd (arsenic, copper, lead), Highline Canal @ Lombardy Ave (arsenic), Hilmar Drain @ Central Ave (arsenic), Jones Drain @ Oakdale Rd (arsenic), Mustang Creek @ East Ave (TDS), and Prairie Flower Drain @ Crows Landing Rd (Arsenic, Nitrate). All other exceedances in this report are covered in current or past management plans which deal with all analysis and follow up actions proposed to address the exceedances and therefore do not require follow-up reporting.

Mike Johnson

Table 1. Inorganic, metal, physical parameter and E. coli exceedances from samples collected for the ESJWQC during the second storm event that occurred on 2/28 and 3/1/2007.

Sample Site	Sample Date	Season	<i>E. coli</i>	Arsenic	Copper	Lead	Nickel	Color	TDS	Nitrate (as N)	Hardness (as CaCO ₃)
			235 MPN/100	0.004 µg/L	calculated based on hardness	0.015 µg/L	12 µg/L at hardness ≥19 mg/L	15 units	450 mg/L	10 mg/L	mg/L
Bear Creek @ Kibby Rd	3/1/2007	Storm	1300	1.5		1.1		100			
Black Rascal Creek @ Yosemite Rd	3/1/2007	Storm	2400					180			
Deadman Creek @ Hwy 59	2/28/2007	Storm	490					120			
Deadman's Creek @ Gurr Rd	2/28/2007	Storm	1000	14.0		1.8		60			
Dry Creek @ Wellsford Rd	2/28/2007	Storm	>2400	1.6	8.4	2		250			74
Duck Slough @ Gurr Rd	2/28/2007	Storm	2000	3.3	11.0	2.4	13	170			94
Duck Slough @ Hwy 99	2/28/2007	Storm	2400	2.8		1.6		120			
Highline Canal @ Lombardy Ave	2/28/2007	Storm		1.0		0.49		25			
Hilmar Drain @ Central Ave	3/1/2007	Storm		3.4				35	790		
Jones Drain @ Oakdale Rd	3/1/2007	Storm		1.1	13.0	2.6		35			78
Jones Drain @ Oakdale Rd - FD*	3/1/2007	Storm		1.3		2.4		60			
Merced River @ Santa Fe	2/28/2007	Storm		1.5		0.68		60			
Mustang Creek @ East Ave	2/28/2007	Storm						70	460		
Prairie Flower Drain @ Crows Landing Rd	3/1/2007	Storm		8.0				56	1500	42	
Silva Drain @ Meadow Dr	2/28/2007	Storm						70			

*FD- Field Duplicate

From: Krista Callinan [kristacallinan@gmail.com]

Sent: Friday, April 27, 2007 7:04 PM

To: Dana Kulesza

Cc: Parry Klassen; Michael L. Johnson; Francisca Johnson; Melissa Turner; Lara Reising; kristacallinan@gmail.com

Subject: Pesticide Exceedance Report

Attachments: ESJWQC_07_ER_Pesticide_Storm2_table_042707.doc

Dana,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On February 28 and March 1, 2007 sampling was conducted in the ESJWQC region for the second storm season monitoring event. All data were received from the laboratory by April 24, 2007. Exceedances were experienced at Dry Creek @ Wellsford Rd and Mustang Creek @ East Ave in Simazine and DDE. See attached Table 1 for details on these exceedances.

b. Follow-up sampling for these pesticide exceedances will not be conducted. The first irrigation event occurred on April 17, 2007 and results from the analysis of those samples will indicate whether exceedances in this report are persistent. No samples were collected from Mustang Creek, however, because the site was dry. The second irrigation sampling event will occur in May 2007.

c. A communication report will be submitted for these exceedances by July 2, 2007 that will address a. The follow-up monitoring and analyses that were conducted; b. What actions were taken to identify the source of the problem; c. Complete analytical laboratory results; d. A time schedule to identify and implement the Management Practice Effectiveness plan (described on page 3 of the MRP for Coalition Groups); and e. A time schedule to submit a subwatershed management plan.

Mike Johnson

Table 1. Pesticide exceedances from the ESJWQC region for samples collected during the second 2006/2007 storm sampling event. Water quality objectives for each pesticide are listed below each constituent.

Sample Site	Sample Date	Season	DDE	Simazine
			0.00059 µg/L	4.0 µg/L
Mustang Creek @ East Ave	2/28/2007	Storm	0.0064*	
Dry Creek @ Wellsford Rd	2/28/2007	Storm		9.5

*between the MDL (minimum detection limit) and RL (reporting limit), therefore considered an estimate.

From: Krista Callinan [kristacallinan@gmail.com]

Sent: Friday, April 27, 2007 7:40 PM

To: Dana Kulesza

Cc: Parry Klassen; Michael L. Johnson; Francisca Johnson; Melissa Turner; Lara Reising; kristacallinan@gmail.com

Subject: Revised Metals, E. coli, Physical Parameter and Inorganic Exceedance Report

Attachments:

ESJWQC_07_ER_E.coli_inorganics_metals_storm2_table_042707_amended.doc

Dana,

I am submitting a revised metal, E. coli, inorganic, and physical parameter exceedance report for the second storm event sampling. The initial data analysis for lead exceedances was incorrect and therefore the exceedances reported on 25 April 2007 were inaccurate. Attached is an amended table of exceedances for the second storm event that occurred on 28 February and 1 March 2007. Only the exceedances reported under lead have been changed.

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a.) On February 28 and March 1, 2007 sampling was conducted in the ESJWQC region for the second 2007 storm monitoring event. Water was collected for analysis of physical parameters, nutrients, metals and bacteria; data were received from the laboratory on April 20, 2007. Exceedances of receiving water limitations for several constituents including *E. coli*, TDS, color, nutrients and metals were experienced at 15 sites in the Coalition region. The sites, sampling dates and exceedances are provided in Table 1 attached to this email with the exceedance level listed under each constituent in the column headers. The list of water quality objectives used to evaluate the data for exceedances is the same that was reviewed and emailed by you on February 13, 2007. Raw data are available upon request.

b.) Follow-up sampling will not be conducted for these exceedances. Data for this monitoring event was received just prior to the first irrigation sampling event. Therefore the results from the irrigation event should indicate where water quality exceedances included in this report are persistent.

c.) Communication reports are required where first time exceedances in a particular parameter occur at a site subwatershed. Exceedances that require Communication Reports are bolded in the attached Table 1 and include exceedances experienced at Duck Slough @ Gurr Rd (nickel), Duck Slough @ Hwy 99 (arsenic), Merced River @ Santa Fe (arsenic), Bear Creek @ Kibby Rd (arsenic), Deadman Creek @ Hwy 59 (*E. coli*), Deadman's Creek @ Gurr Rd (arsenic), Dry Creek @ Wellsford Rd (arsenic, copper, lead), Highline Canal @ Lombardy Ave (arsenic), Hilmar Drain @ Central Ave (arsenic), Jones Drain @ Oakdale Rd (arsenic, lead), Mustang Creek @ East Ave (TDS), and Prairie Flower Drain @ Crows Landing Rd (Arsenic, Nitrate). All other exceedances in this report are covered in current or past management plans which deal with all analysis and follow up actions proposed to address the exceedances and therefore do not require follow-up reporting.

Mike Johnson

Table 1. Inorganic, metal, physical parameter and E. coli exceedances from samples collected for the ESJWQC during the second storm event that occurred on 2/28 and 3/1/2007.

Sample Site	Sample Date	Season	<i>E. coli</i>	Arsenic	Copper	Lead	Nickel	Color	TDS	Nitrate (as N)	Hardness (as CaCO ₃)
			235 MPN/100	0.004 µg/L	calculated based on hardness	based on hardness; if hardness >71, 2 µg/L	12 µg/L at hardness ≥19 mg/L; variable <19 mg/L	15 units	450 mg/L	10 mg/L	mg/L
Bear Creek @ Kibby Rd	3/1/2007	Storm	1300	1.5				100			
Black Rascal Creek @ Yosemite Rd	3/1/2007	Storm	2400					180			
Deadman Creek @ Hwy 59	2/28/2007	Storm	490					120			
Deadman's Creek @ Gurr Rd	2/28/2007	Storm	1000	14.0				60			
Dry Creek @ Wellsford Rd	2/28/2007	Storm	>2400	1.6	8.4			250			74
Duck Slough @ Gurr Rd	2/28/2007	Storm	2000	3.3	11.0	2.4	13	170			94
Duck Slough @ Hwy 99	2/28/2007	Storm	2400	2.8				120			
Highline Canal @ Lombardy Ave	2/28/2007	Storm		1.0				25			
Hilmar Drain @ Central Ave	3/1/2007	Storm		3.4				35	790		
Jones Drain @ Oakdale Rd	3/1/2007	Storm		1.1	13.0	2.6		35			78
Jones Drain @ Oakdale Rd - FD*	3/1/2007	Storm		1.3		2.4		60			
Merced River @ Santa Fe	2/28/2007	Storm		1.5				60			
Mustang Creek @ East Ave	2/28/2007	Storm						70	460		
Prairie Flower Drain @ Crows Landing Rd	3/1/2007	Storm		8.0				56	1500	42	
Silva Drain @ Meadow Dr	2/28/2007	Storm						70			

*FD- Field Duplicate

Communication Reports

From: K Callinan [kcallinan@mlj-llc.com]

Sent: Wednesday, June 20, 2007 7:16 PM

To: Dania Huggins

Cc: Parry Klassen; Mike Johnson; Francisca Johnson; UCD/Melissa Turner; Lara Reising; kcallinan@mlj-llc.com

Subject: Re: Pesticide Communication Report

Attachments: ESJWQC_07_CR_Pesticide_Storm1_062007_final.doc

Hi Dania,

I'm sorry, but it appears I did not attach the Communication Report with the previous email. Please find the communication report for the pesticide exceedances from the first 2006/2007 storm sampling event attached to this email. The final lab reports can be found in the email sent today at 10:30am. I appologize for the confusion.

Krista

East San Joaquin Water Quality Coalition
1201 L Street
Modesto, CA 95354
www.esjcoalition.org

June 20, 2007

Dania Huggins
Irrigated Lands Conditional Waiver Program
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, #200
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting a formal communication report for pesticide exceedances reported on April 5, 2007 that have not been addressed in Management Plans (see Table 1 below). Sampling occurred at these sites on February 11 and 12, 2007 during the first storm sampling event of 2006/2007.

Table 1: Pesticide exceedances from the ESJWQC region for samples collected during the February 11-12, 2007 storm sampling event. Water quality objectives are listed in a separate column next to each pesticide.

Sample Site	Sample Date	Pesticide	WQO (µg/L)	Exceedance Result (µg/L)
Dry Creek @ Rd 18	2/11/2007	Diazinon	0.10	0.13
Dry Creek @ Wellsford Rd	2/11/2007	Diuron	14	37
Highline Canal @ Hwy 99	2/11/2007	Diuron	14	25
Highline Canal @ Hwy 99	2/11/2007	Simazine	4.0	13
Merced River @ Santa Fe	2/12/2007	Simazine	4.0	5.5
Mustang Creek @ East Ave	2/12/2007	Simazine	4.0	9.5
Bear Creek @ Kibby Rd	2/12/2007	DDT	0.00059	0.0091*

1. Follow-up monitoring and analyses conducted.

No follow-up sampling was conducted as a result of the pesticide exceedances. Results of these analyses were received over 30 days past the date of the original sampling and the second storm sampling event had already occurred by that time.

All of the sites listed above have not previously experienced exceedances of the pesticides included in this report.

One instance of toxicity to *Selenastrum capricornutum* was experienced during this sampling event in the sample collected at the Dry Creek @ Wellsford Rd site. It is possible that diuron in the water sample was responsible for the toxicity experienced. No other toxicity was experienced from samples collected during this event.

2. Actions taken to identify the source of the exceedance.

Pesticide Use Reports (PUR) for all site subwatersheds listed in Table 1 have been received and compiled to analyze for the potential sources of each pesticide exceedance. Below PUR data is summarized and includes all applications that occurred within (approximately) one month prior to the sampling event. No data has been compiled for the DDT exceedance experienced at Bear Creek @ Kibby Rd as it is a legacy pesticide and is not currently used by agriculture. Also, no diuron or simazine applications have been reported in the Highline Canal @ Hwy 99 site subwatershed. However, diuron and simazine are common herbicides and are applied by the Modesto Irrigation District, Caltrans, and possibly Stanislaus County in their maintenance programs. Recent research at UC Davis indicates that diuron can be found in runoff several weeks after application (Green PG, Young TM [Loading of the herbicide diuron into the California water system](#) ENVIRONMENTAL ENGINEERING SCIENCE 23 (3): 545-551 MAY-JUN 2006 ; Huang XJ, Massoudieh A, Young TM [Measured and predicted herbicide removal by mulch](#) JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE 132 (8): 918-925 AUG 2006)

Table 2. Diazinon applications between the months of January and February, 2007, upstream of the Dry Creek @ Rd 18 sampling site.

TRS	Date applied	AI	Quantity	Unit	Treated acres
10S17E34	1/17/07	DIAZINON	35	GA	70
11S17E7	1/19/07	DIAZINON	9.5	GA	19

Table 3. Diuron applications between the months of January and February, 2007, upstream of the Dry Creek @ Wellsford Rd sampling site.

TRS	Date applied	AI	Quantity	Unit	Treated acres
3S11E13	1/25/07	DIURON	44	GA	136
3S11E16	2/10/07	DIURON	7.5	GA	40
3S11E22	1/9/07	DIURON	50	QT	20

Table 4. Simazine applications between the months of January and February, 2007, upstream of the Merced River @ Santa Fe sampling site.

TRS	Date applied	AI	Quantity	Unit	Treated acres
4S13E35	1/9/07	SIMAZINE	138	GA	552
4S13E36	1/6/07	SIMAZINE	12	PT	8

4S13E36	1/6/07	SIMAZINE	12	PT	8
4S14E31	1/3/07	SIMAZINE	67.5	PT	45
5S12E34	1/17/07	SIMAZINE	19.5	PT	19
5S12E34	1/30/07	SIMAZINE	95.4	LBS	53
5S13E1	1/13/07	SIMAZINE	93	PT	62
5S13E10	1/5/07	SIMAZINE	32.75	GA	131
5S13E11	1/5/07	SIMAZINE	14.07	GA	56.28
5S13E12	1/13/07	SIMAZINE	93	PT	62
5S13E17	1/24/07	SIMAZINE	2.5	GA	20
5S13E35	1/8/07	SIMAZINE	42.35	PT	45
5S13E4	1/5/07	SIMAZINE	8.88	GA	35.52
5S13E4	1/16/07	SIMAZINE	134	PT	67
5S13E9	1/26/07	SIMAZINE	15	GA	120
6S12E10	1/31/07	SIMAZINE	17.52	LBS	8
6S12E3	1/16/07	SIMAZINE	9.04	PT	9
6S13E5	1/19/07	SIMAZINE	7.5	QT	15

Table 5. Simazine applications between the months of January and February, 2007, upstream of the Mustang Creek @ East Ave sampling site.

TRS	Date applied	AI	Quantity	Unit	Treated acres
4S12E36	1/27/07	SIMAZINE	64	PT	160
5S12E1	1/30/07	SIMAZINE	90	PT	225
5S12E1	2/8/07	SIMAZINE	225	PT	225
5S12E1	2/8/07	SIMAZINE	225	PT	225
5S12E11	1/29/07	SIMAZINE	216	PT	144
5S12E12	2/2/07	SIMAZINE	121.2	PT	303

3. Complete analytical results

Analytical results for these exceedances are attached to the transmittal message. These results include all data reports provided to the coalition by the analytical laboratory. QC and calibration data are included in the data reports. If these data reports are too large, it may take several emails or we may have to send the data by mail.

4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.

Table 6. Time Schedule

Action	Anticipated Completion Date
Obtain Pesticide Use Reports	Complete
Contact Growers in Watersheds	June 29, 2007
Perform Management Practices Survey	Complete
Outreach/BMP Education	December 31, 2006 ¹
Management Plan	Not yet scheduled

¹ Outreach has already been initiated and is an ongoing process. Grower notification of results has already occurred.

Justification for dates:

Obtain Pesticide Use Reports – All Pesticide Use Reports relevant to the exceedances in this report have been received from the county Agricultural Commissioners and compiled. Additional PURs may come in from growers (late) over the course of time and will be evaluated as they are received.

Contact growers in the watersheds – A summary of exceedances experienced in the ESJWQC region during the 2006/2007 storm season will be provided by mail to Coalition members by the end of this month (June 29, 2007).

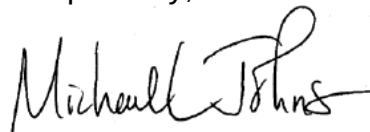
Perform management practices survey – BMP surveys have been provided to growers through the mail and at all Coalition meetings, and results from these surveys are still being received. To date, 1152 surveys have been returned and summarized by the ESJWQC. These results will be provided to the CVRWQCB at the next quarterly meeting.

Outreach/BMP education – Grower meetings have not yet occurred since these exceedances were experienced and will occur once the growing season has passed. Outreach in these subwatersheds is ongoing and will be reported to the CVRWQCB as meetings occur.

Management Plan – An updated Management Plan will be submitted for all subwatersheds that have experienced two or more exceedances in one constituent before the 2007/2008 storm season begins. A time schedule for these Management Plans has not yet been determined.

Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink, appearing to read "Michael Johnson", with a stylized flourish at the end.

Michael L. Johnson, Technical Program
Manager

From: K Callinan [kcallinan@mlj-llc.com]

Sent: Tuesday, June 26, 2007 11:32 AM

To: Dania Huggins

Cc: Parry Klassen; Mike Johnson; Francisca Johnson; UCD/Melissa Turner; Lara Reising; kcallinan@mlj-llc.com

Subject: Communication Report

Attachments: ESJWQC_07_CR_Ecoli_TDS_metals_Storm2_062607_final.doc

Dear Dania,

Attached is the communication report due today for *E. coli*, metals, and physical parameter exceedances experienced during the second storm season event that occurred on April 28 and March 1, 2007. This report only includes exceedances that were not addressed in management plans.

Sincerely,

East San Joaquin Water Quality Coalition

1201 L Street
Modesto, CA 95354
www.esjcoalition.org

June 26, 2007

Dania Huggins
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting the formal communication report for the *E. coli*, physical parameter and metals exceedances reported on April 23, 2007 (see Table 1). Only exceedances that were not addressed in Management Plans are included in this report. Sampling occurred at these sites on February 28 and March 1, 2007 for the second storm monitoring event of 2006/2007.

Table 1. *E. coli*, physical parameter and metals exceedances experienced during the second storm monitoring event. Exceedances addressed in Management Plans are not included in this table. Receiving water limitations are listed under each analyte. As a reference, measured hardness is shown for those exceedances that depend on hardness.

Site Name	Sample Date	E. coli	Total Dissolved Solids	Hardness	Arsenic	Copper	Nickel
		235 MPN/100mL*	450 mg/L*	mg/L	0.004 ug/L*	ug/L based on hardness**	ug/L based on hardness**
Deadman Creek @ Hwy 59	2/28/2007	490					
Deadman Creek @ Gurr Rd	2/28/2007				14		
Dry Creek @ Wellsford Rd	2/28/2007			74	1.6	8.4	
Duck Slough @ Gurr Rd	2/28/2007			94	3.3		13
Duck Slough @ Hwy 99	2/28/2007				2.8		
Highline Canal @ Lombardy Ave	2/28/2007				1		
Merced River @ Santa Fe	2/28/2007				1.5		
Mustang Creek @ East Ave	2/28/2007		460				
Bear Creek @ Kibby Rd	3/1/2007				1.5		
Hilmar Drain @ Central Ave	3/1/2007				3.4		
Jones Drain @ Oakdale Rd	3/1/2007				1.1		
Jones Drain @ Oakdale Rd - FD ¹	3/1/2007				1.3		
Prairie Flower Drain @ Crows Landing Rd	3/1/2007				8		

¹Field Duplicate

*Receiving water limitation

**Based on hardness. Equation for copper exceedance is taken from the State Water Resources Control Board's numerical water quality limits and is based on the 4-day average maximum for total recoverable metals (http://www.swrcb.ca.gov/rwqcb5/available_documents/wq_goals/limit_tables_2003.xls):

$$\text{Copper Criteria} = \exp\{0.8545[\ln(\text{hardness})] - 1.702\}$$

1. Follow-up monitoring and analyses conducted.

Results were not received from the laboratories until over one month after sampling occurred, and consequently no immediate follow-up sampling was performed as a result of these exceedances. However, the first irrigation sampling event occurred on April 17 and 24, 2007. Results from the irrigation sampling event were reported on May 25, 2007.

E. coli and total dissolved solids (TDS) have been detected at several of the ESJWQC sites prior to and since the second storm sampling event. However, exceedances shown in Table 1 occurred at those sites for the first time.

Exceedances in arsenic have occurred frequently since the implementation of the new water quality objective at 0.004 µg/L in February of 2007. During the five 2006 irrigation season sampling events, no exceedances of the previous arsenic limit were experienced, however over the two monitoring events of the 2006/2007 storm season, 24 exceedances of the new arsenic limit occurred.

2. Actions taken to identify the source of the exceedance.

E. coli

E. coli is a general indicator of fecal contamination and multiple sources may contribute to the coliform load. Potential sources include deposition from irrigated pasture, dairies, leaky sewer lines, leaky septic systems, application of manure, biosolids and liquid dairy waste, and a large array of wildlife. A follow-up study identifying the source of *E. coli* in Coalition water bodies was initiated on August 22, 2006. Obligately anaerobic bacteria from the genus *Bacteroides* were extracted from the water and DNA assigned to potential source species. Anaerobic *Bacteroides* is used because they do not persist in the environment for any length of time (days) meaning any detection of bacterial DNA is from a recent contamination event. *E. coli* can reproduce and persist in the environment for an unknown period of time indicating that although it may be a marker of fecal contamination, the timing of the contamination is not possible to determine.

For the study, water sampling occurred at 27 sites (4 baseline and 23 monitoring) within the Coalition region. Preliminary results indicate that the source of the fecal contamination is a combination of human and bovine depending on the location. A draft final report is currently in circulation and a final report should be available within the next month.

TDS

Potential sources of TDS are upstream surface water, ground water, or drain water from irrigated agriculture. At the time of the year that samples were collected (February) orchards are dormant and no irrigation is conducted. Also, most of the orchards in the Mustang Creek watershed are on drip irrigation eliminating surface runoff as a potential source. Mustang Creek typically flows only during the winter storm season remaining dry throughout the summer months. This is the first winter season for monitoring in the Mustang Creek watershed, and it is not clear if elevated TDS is an ongoing issue. A review of recent studies in the Mustang Creek watershed revealed no indication of elevated TDS.

Arsenic

Numerous metals are found naturally in parent materials and soils within the Coalition region, or are moved into the Coalition region from regions just outside of the boundaries of the Coalition. Arsenic in surface water is a problem that originates from high levels of arsenic in the soils. Arsenic is no longer allowed in pesticides but extreme use of arsenic pesticides in some areas in the recent past has resulted in soils saturated with arsenic. This is known to be the case from crops such as cotton in specific locations in the southern United States, but no cotton has been grown in the ESJWQC region on a scale sufficient to result in arsenic contamination of soils across almost the entire region. Arsenic compounds are also used as a wood preservative, however it is unknown if there are wood structures in the subwatersheds that are leaching arsenic into the surface water, and it is doubtful that sufficient quantities of wood would be present to cause the exceedances. The Coalition can only conclude that the arsenic is most likely from natural materials rather than leachate from old pesticide residues in soil or wood products. The Coalition is looking for information on the content of arsenic in the soils in these subwatershed areas and will try to determine if the arsenic is a result of leaching from local soils into the drain systems. Because the water quality objective for arsenic is extremely low, even small concentrations of arsenic leaching from soils would result in exceedances.

To establish whether arsenic is present in high levels due to inputs from local soils, background levels of arsenic must be established. The Coalition is presently investigating methods for establishing background levels of arsenic in surface waters. Once the Coalition is satisfied that a scientifically valid and reliable method is available, it will determine whether the data available are sufficiently robust to implement the procedure. If the data are insufficient, additional sampling will be conducted to obtain the necessary data.

Copper

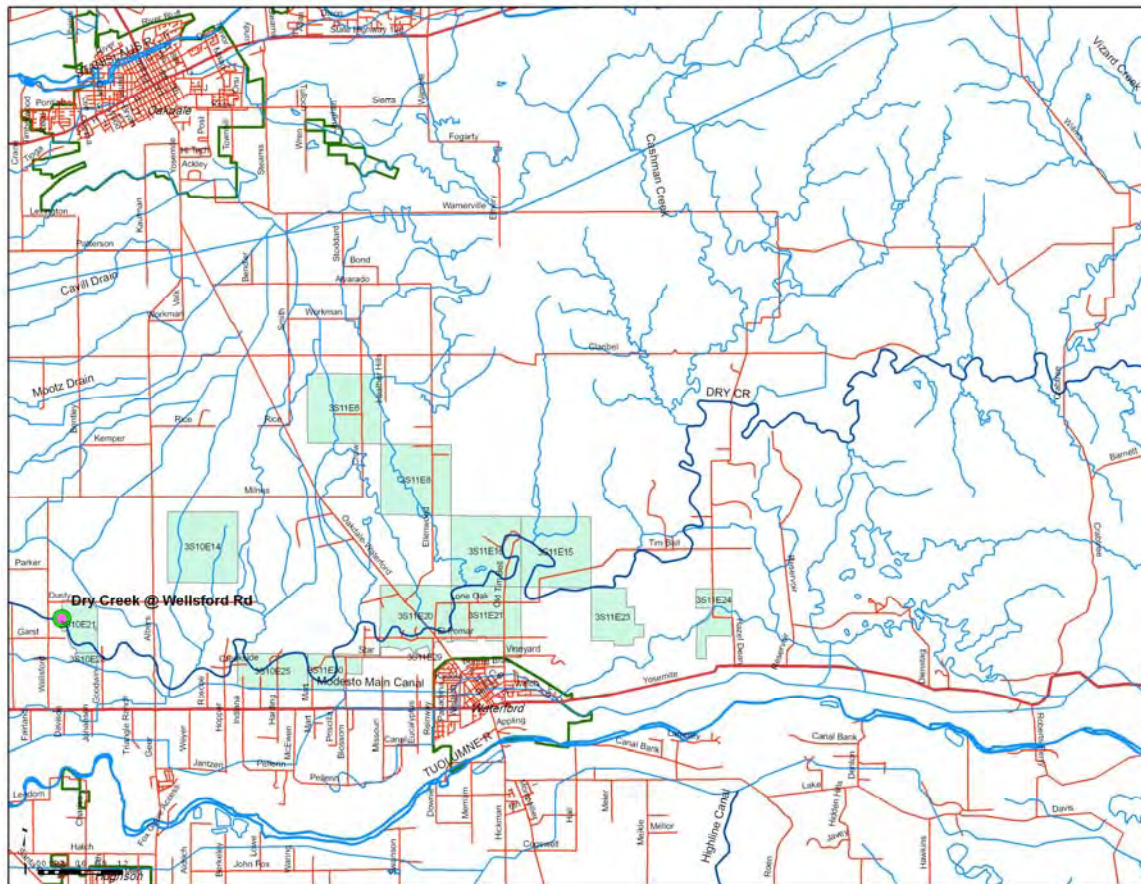
Copper in surface water can originate from a number of sources including natural weathering of rocks/soils, leaching of copper-based preservatives (used on wood and other materials) and pesticides. Pesticide Use Reports (PURs) from application that occurred within two months of the date of sampling indicate that

numerous compounds containing copper were applied to crops in the Dry Creek @ Wellsford Rd site subwatershed (Table 2).

Table 2. Pesticide Use Reports for copper use in the Dry Creek @ Wellsford Rd sample site with in two months of the second storm event monitoring.

TRS	AI	APPLIED	QUANTITY	UNITS
3S10E14	COPPER HYDROXIDE	2/1/07	120	LB
3S10E14	COPPER HYDROXIDE	2/25/07	20	LB
3S10E21	COPPER HYDROXIDE	1/31/07	40	LB
3S10E21	COPPER HYDROXIDE	1/31/07	50	LB
3S10E21	COPPER HYDROXIDE	1/31/07	50	LB
3S10E21	COPPER HYDROXIDE	1/31/07	200	LB
3S10E25	COPPER HYDROXIDE	2/21/07	40	QT
3S10E25	COPPER HYDROXIDE	2/21/07	10	QT
3S10E28	COPPER HYDROXIDE	2/13/07	140	LB
3S10E28	COPPER HYDROXIDE	2/18/07	28	LB
3S10E28	COPPER HYDROXIDE	2/28/07	160	PT
3S11E15	COPPER HYDROXIDE	1/6/07	2440	LB
3S11E15	COPPER HYDROXIDE	1/8/07	240	LB
3S11E16	COPPER HYDROXIDE	1/5/07	1920	LB
3S11E20	COPPER HYDROXIDE	2/21/07	10	LB
3S11E21	COPPER HYDROXIDE	2/22/07	19.95	QT
3S11E23	COPPER HYDROXIDE	1/23/07	360	LB
3S11E23	COPPER HYDROXIDE	2/28/07	16	QT
3S11E23	COPPER HYDROXIDE	2/28/07	480	PT
3S11E24	COPPER HYDROXIDE	2/27/07	168	QT
3S11E29	COPPER HYDROXIDE	2/21/07	35	LB
3S11E29	COPPER HYDROXIDE	2/23/07	4.5	GA
3S11E29	COPPER HYDROXIDE	2/23/07	3	GA
3S11E29	COPPER HYDROXIDE	2/26/07	80	QT
3S11E29	COPPER HYDROXIDE	2/26/07	70	QT
3S11E29	COPPER HYDROXIDE	2/28/07	19	QT
3S11E29	COPPER HYDROXIDE	2/28/07	75	QT
3S11E29	COPPER HYDROXIDE	2/28/07	20	QT
3S11E29	COPPER HYDROXIDE	2/28/07	30	QT
3S11E29	COPPER HYDROXIDE	2/28/07	36	QT
3S11E30	COPPER HYDROXIDE	1/15/07	120	PT
3S11E30	COPPER HYDROXIDE	2/21/07	40	QT
3S11E30	COPPER HYDROXIDE	2/26/07	35	QT
3S11E30	COPPER HYDROXIDE	2/26/07	36	QT
3S11E30	COPPER HYDROXIDE	2/26/07	36	QT
3S11E30	COPPER HYDROXIDE	2/27/07	20	QT
3S11E30	COPPER HYDROXIDE	2/28/07	70	QT
3S11E30	COPPER HYDROXIDE	2/28/07	52	QT
3S11E6	COPPER HYDROXIDE	1/22/07	375	LB
3S11E6	COPPER HYDROXIDE	1/23/07	187.5	LB
3S11E6	COPPER HYDROXIDE	1/23/07	187.5	LB
3S11E8	COPPER HYDROXIDE	2/20/07	48	LB

Figure 1. Map of copper pesticide use in the Dry Creek @ Wellsford Rd site subwatershed with in two months of the second storm event monitoring.



Nickel

Nickel may be found in slate, sandstone, clay minerals and basalt. The main nickel source is pentlandite (iron nickel sulfide) found in igneous rock intrusions. The element accumulates in sediments and is a part of various biological cycles. Nickel can be present in agricultural soils situated near fossil fuel industries. Organic matter often adsorbs nickel, causing coal and oil to contain traces of the element. Nickel may end up in water from both point and non-point sources. Diffuse nickel emissions may stem from power plants, waste incinerators and metal industries. Nickel is directly emitted from various industries through discharge on surface waters. It is applied in alloys for treatment of heavy metal polluted surface water, in nickel-cadmium batteries, as a catalyzer and as a pigment. Nickel tetra carbonyl is a by-product of nickel cleansing and is applied in various production processes. Nickel compounds may also be found in sludge, and in slags and fly ashes from waste incinerators (source: <http://www.lenntech.com/elements-and-water/nickel-and-water.htm>).

Some phosphate fertilizers contain trace amounts of nickel and can be applied in agriculture. Nickel is a component of ureases in plants and nickel-deficient plants often accumulate toxic amounts of urea in their leaves leading to leaf-tip

necrosis. However, nickel is generally found in sufficient quantities in soils such that additions of nickel are not required. When additions of nickel are made, they are usually done at low concentrations as high concentrations can be toxic to plants. Fertilizer applications are not reported and it is unclear if this exceedance could result from a fertilizer application. This is the first exceedance of nickel experienced in the Coalition region, and it is unclear how this exceedance occurred.

3. Complete analytical results

Analytical results are appended electronically to the transmittal message. These results include all data reports provided to the coalition by the analytical laboratory. QC data are included in the data reports.

4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.

Table 4. Deliverables time schedule

Action	Anticipated Completion Date
Obtain Pesticide Use Reports	Complete
Contact Growers in Watersheds	Complete
Perform Management Practices Survey	Complete
Outreach/BMP Education	December 31, 2006*
Management Plan	Not yet scheduled

*See justification below for details

Justification for dates:

Obtain Pesticide Use Reports –Pesticide Use Reports relevant to the exceedances in this report have been received from the county agricultural commissioners and compiled. Additional PURs may come in from growers (late) over the course of time and will be evaluated as they are received.

Contact growers in the watersheds – A summary of exceedances experienced in the ESJWQC region during the 2006/2007 storm season will be provided by mail to Coalition members by the end of this month (June 29, 2007).

Perform management practices survey – BMP surveys have been provided to growers through the mail and at all Coalition meetings, and results from these surveys are still being received. To date, 1152 surveys have been returned and summarized by the ESJWQC. These results will be provided to the CVRWQCB at the next quarterly meeting.

Outreach/BMP education – Grower meetings have not yet occurred since these exceedances were experienced and will occur once the growing season has passed. Outreach in these subwatersheds is ongoing and will be reported to the CVRWQCB as meetings occur.

Management Plan – An updated Management Plan will be submitted for all subwatersheds that have experienced two or more exceedances in one constituent before the 2007/2008 storm season begins. A time schedule for these Management Plans has not yet been determined.

Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink, reading "Michael Johnson". The signature is written in a cursive style with a large, stylized "M" and "J".

Michael L. Johnson, Technical Program

Manager

From: Michael Johnson <mbjohnson@ucdavis.edu>
To: Dania Huggins <dhuggins@waterboards.ca.gov>
Cc: Melissa Turner <mmturner@ucdavis.edu>, Krista Callinan
<kristacallinan@gmail.com>

Sent: Jun 29, 2007 10:08 AM
Subject: communication report

Attached is a communication report for sampling conducted during the second storm event.

East San Joaquin Water Quality Coalition
1201 L Street
Modesto, CA 95354
www.esjcoalition.org

June 28, 2007

Dania Huggins
Irrigated Lands Conditional Waiver Program
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, #200
Rancho Cordova, CA 95670-6114

Dear Dania,

occurred at these sites on February 28 and March 1, 2007 during the second storm monitoring event of 2006/2007. One simazine exceedance was initially reported for this monitoring event. However the reported exceedance was incorrect. Due to a miscalculation involving dilution factors utilized by the laboratory, simazine data were reported at levels multiple times the actual concentrations detected. Correctly interpreted data show that no exceedances of simazine were experienced during this monitoring event, and therefore the simazine exceedance has been omitted from this report. A full report which includes corrected data for simazine can be found in the ESJWQC June 30, SAMR which will be submitted within one week of this report.

Table 1: Pesticide exceedance from the ESJWQC region for samples collected during the second storm monitoring event. Only exceedances that have not yet been addressed in Management Plans are shown. The water quality objective is listed the constituent.

Site Name	Sample Date	DDE 0.00059 µg/L
Mustang Creek @ East Ave	2/28/2007	0.0064*

*between the MDL (minimum detection limit) and RL (reporting limit), therefore considered an estimate.

1. Follow-up monitoring and analyses conducted.

No follow-up sampling was conducted. Results of the analysis were received on April 24 and sampling for the first irrigation monitoring event

had already occurred on April 17 and April 24. Test results from the irrigation samples showed no exceedances in DDE (or other product of DDT) at any of the sample sites.

2. Actions taken to identify the source of the exceedance.

DDT is a legacy pesticide that is not currently used by agriculture. Due to DDT's extremely long half-life and high K_{oc} value, a significant level of the pesticide remains in sediment across the Central Valley where the chemical was used many years ago. Exceedances in DDT, and its breakdown products which include DDE, have occurred several times in the Coalition region and are likely a result of the up stir of sediment during sampling in a water body.

3. Complete analytical results

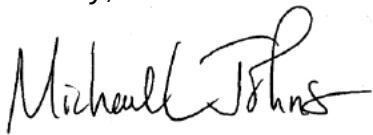
Analytical results are appended electronically to the transmittal message. These results include all data reports for organochlorines provided to the Coalition by the analytical laboratory. QC and calibration data are included in the data reports.

4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.

Because DDT is not currently applied by agriculture, management practices to improve water quality are not relevant to this exceedance. As a result no actions to deal with this exceedance have taken place or are planned at this time.

Let us know if further explanation or documentation is necessary.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Johnson", with a stylized, cursive script.

Michael L. Johnson
Technical Program Manager