

Attachment A

January 2009 Draft Staff Report Fact Sheets for diazinon and
chlorpyrifos in the Lower Tuolumne River

DECISION ID**4914****Pollutant:****Chlorpyrifos****Final Listing Decision:****List on 303(d) list (TMDL required list)****Last Listing Cycle's****Do Not List on 303(d) list (TMDL required list)(2006)****Final Listing Decision:****Revision Status****Revised****Sources:****Agriculture**

Expected TMDL Completion Date:	2021
Impairment from Pollutant or Pollution:	Pollutant
Weight of Evidence:	<p>This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status. Eight lines of evidence are available in the administrative record to assess this pollutant. Eleven of the samples exceed the water quality objective.</p> <p>Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification in favor of placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.</p> <p>This conclusion is based on the staff findings that:</p> <ol style="list-style-type: none"> 1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy. 2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy. 3. Eleven of 145 available 4-day average concentrations exceeded the 4-day average concentration criterion and this exceeds the maximum concentration criterion more than once every three years. Four of 247 available 1-hour average concentrations exceeded the 1-hour maximum concentration criterion and this exceeds the 1-hour maximum concentration criterion more than once every three years. 4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.
RWQCB Board Decision / Staff Recommendation:	After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should be placed on the section 303 (d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem.
SWRCB Board Decision / Staff Recommendation:	After review of the available data and information, SWRCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards for the pollutant are not exceeded.
USEPA Decision:	

DECISION ID 7210

Pollutant:	Diazinon
Final Listing Decision:	List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision:	List on 303(d) list (TMDL required list)(2006)
Revision Status	Revised
Sources:	Agriculture
Expected TMDL Completion Date:	2021
Impairment from Pollutant or Pollution:	Pollutant

Weight of Evidence: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status. Eight lines of evidence are available in the administrative record to assess this pollutant. Three of the samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification in favor of placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. One of 153 available 4-day average concentrations exceeded the 4-day average maximum concentration criterion and this does not exceed the 4-day average maximum concentration criterion more than once every three years. In addition, 3 of 241 available 1-hour average concentrations exceeded the 1-hour average concentration criterion and this exceeds the 1-hour average concentration criterion more than once every three years.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

**RWQCB Board
Decision / Staff
Recommendation:**

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should be placed on the section 303 (d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem.

**SWRCB Board
Decision / Staff
Recommendation:**

USEPA Decision:

Lines of Evidence (LOEs) for Decision ID 7210

Pollutant:	Diazinon
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total
Beneficial Use:	Warm Freshwater Habitat
Aquatic Life Use:	Warm Freshwater Habitat
Number of Samples:	15
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	15 water samples were collected from Tuolumne River from March to August 2004, representing 15 4-day average concentrations and 15 1-hour average concentrations. 0 of 15 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.10 µg/L. 0 of 15 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.16 µg/L.
Data Reference:	Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports
Water Quality Objective/ Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).

Objective/Criterion Reference:	Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board - Central Valley Region
Evaluation Guideline:	California Fish and Game Hazard Assessment Criteria - 0.160 µg/L 1-hour average and 0.100 µg/L 4-day average concentration not to be exceeded more than once every three years (Siepmann and Finlayson, 2000 and Finlayson, 2004).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road.
Temporal Representation:	Samples were collected at variable intervals (weekly or biweekly) from March to August 2004.
Environmental Conditions:	
QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.
QAPP Information Reference(s):	Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 (Revision 0.0). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006

LOE ID:	23385
Pollutant:	Diazinon
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total
Beneficial Use:	Warm Freshwater Habitat
Aquatic Life Use:	Warm Freshwater Habitat
Number of Samples:	2
Number of Exceedances:	0

Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	17 water samples were collected from Tuolumne River in February 2004, representing 2 4-day average concentrations and 17 1-hour average concentrations. 0 of 2 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.10 µg/L. 0 of 17 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.16 µg/L.
Data Reference:	Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports
Water Quality Objective/ Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).
Objective/Criterion Reference:	Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board - Central Valley Region
Evaluation Guideline:	California Fish and Game Hazard Assessment Criteria - 0.160 µg/L 1-hour average and 0.100 µg/L 4-day average concentration not to be exceeded more than once every three years (Siepmann and Finlayson, 2000 and Finlayson, 2004).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road.
Temporal Representation:	Samples were collected at variable intervals (hourly and daily) during two storm events in February 2004.
Environmental Conditions:	
QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.

QAPP Information Reference(s): [Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 \(Revision 0.0\). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006](#)

LOE ID: 23384

Pollutant: Diazinon
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: Total

Beneficial Use: Warm Freshwater Habitat
Aquatic Life Use: Warm Freshwater Habitat

Number of Samples: 39
Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: 39 water samples were collected from Tuolumne River from March to August 2003, representing 39 4-day average concentrations and 39 1-hour average concentrations. 0 of 39 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.10 µg/L. 0 of 39 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.16 µg/L.

Data Reference: [Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports](#)

Water Quality Objective/
Criterion: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).

Objective/Criterion Reference: [Central Valley Regional Water Quality Control Board. Water Quality Control Plan \(Basin Plan\) for the California Regional Water Quality Control Board - Central Valley Region](#)

Evaluation Guideline:	California Fish and Game Hazard Assessment Criteria - 0.160 µg/L 1-hour average and 0.100 µg/L 4-day average concentration not to be exceeded more than once every three years (Siepmann and Finlayson, 2000 and Finlayson, 2004).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road and Santa Fe Road.
Temporal Representation:	Samples were collected at variable intervals (biweekly and weekly) from March through August 2003.
Environmental Conditions:	
QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.
QAPP Information Reference(s):	Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 (Revision 0.0). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006

LOE ID:	23383
Pollutant:	Diazinon
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total
Beneficial Use:	Warm Freshwater Habitat
Aquatic Life Use:	Warm Freshwater Habitat
Number of Samples:	10
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality:	37 water samples were collected from Tuolumne River from January to March 2003, representing 10 4-day average concentrations and 37 1-hour average concentrations. 0 of 10 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.10 µg/L. 0 of 37 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.16 µg/L.
Data Reference:	Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports
Water Quality Objective/ Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).
Objective/Criterion Reference:	Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board - Central Valley Region
Evaluation Guideline:	California Fish and Game Hazard Assessment Criteria - 0.160 µg/L 1-hour average and 0.100 µg/L 4-day average concentration not to be exceeded more than once every three years (Siepmann and Finlayson, 2000 and Finlayson, 2004).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road and from Santo Fe Road.
Temporal Representation:	Samples were collected at variable intervals (hourly or daily) from January to March 2003.
Environmental Conditions: QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.

QAPP Information Reference(s): [Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 \(Revision 0.0\). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006](#)

LOE ID: 23406

Pollutant: Diazinon
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: Total

Beneficial Use: Warm Freshwater Habitat
Aquatic Life Use: Warm Freshwater Habitat

Number of Samples: 55
Number of Exceedances: 1

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: 82 Water samples were collected from Tuolumne River from January 2000 through September 2002, representing 55 4-day average concentrations and 82 1-hour average concentrations. 1 of 55 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.10 µg/L. 1 of 82 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.16 µg/L.

Data Reference: [Surface Water database \(SWDB\) for Central Valley waterbodies, 2000-2005](#)
[Correspondence between the Department of Pesticide Regulation and Central Valley Regional Water Quality Control Board regarding water quality data for waterbodies in the Central Valley](#)

Water Quality Objective/
Criterion: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).

Objective/Criterion Reference:	<u>Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board - Central Valley Region</u>
Evaluation Guideline:	California Fish and Game Hazard Assessment Criteria - 0.160 µg/L 1-hour average and 0.100 µg/L 4-day average concentration not to be exceeded more than once every three years (Siepmann and Finlayson, 2000 and Finlayson, 2004).
Guideline Reference:	<u>Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game</u>
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road.
Temporal Representation:	Samples were collected at variable intervals (e.g. weekly, monthly) from January 2000 through September 2002.
Environmental Conditions:	
QAPP Information:	Data quality: Good. Minimum requirements for the CDPR Surface Water Database are: Name of the sampling agency or organization, Date that each sample was collected, Date of each sample analysis, County where samples were taken, Detailed sampling location information (including latitude and longitude or township/range/section if available), detailed map or description of each sampling site (i.e., address, cross roads, etc.), Name or description of water body sampled, Name of the active ingredient analyzed for; concentration detected (with unit of measurement), and limit of quantitation, Description of analytical QA/QC plan, or statement that no formal plan exists. Additional optional requirements are included on DPR's webpage at http://www.cdpr.ca.gov/docs/emon/surfwtr/caps/req.htm
QAPP Information Reference(s):	<u>Standard Operating Procedure for Conducting Surface Water Monitoring for Pesticides</u>

LOE ID:	23405
Pollutant:	Diazinon
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total

Beneficial Use:	Warm Freshwater Habitat
Aquatic Life Use:	Warm Freshwater Habitat
Number of Samples:	13
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	14 water samples were collected from Tuolumne River from March through August 2006, representing 13 4-day average concentrations and 14 1-hour average concentrations. 0 of 13 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.10 µg/L. 0 of 14 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.16 µg/L.
Data Reference:	Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports
Water Quality Objective/ Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).
Objective/Criterion Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board - Central Valley Region
Evaluation Guideline:	California Fish and Game Hazard Assessment Criteria - 0.160 µg/L 1-hour average and 0.100 µg/L 4-day average concentration not to be exceeded more than once every three years (Siepmann and Finlayson, 2000 and Finlayson, 2004).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	
Temporal Representation:	Samples were collected at weekly from March to August 2006.
Environmental Conditions:	

QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.
QAPP Information Reference(s):	Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 (Revision 0.0). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006
LOE ID:	23404
Pollutant:	Diazinon
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total
Beneficial Use:	Warm Freshwater Habitat
Aquatic Life Use:	Warm Freshwater Habitat
Number of Samples:	14
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	14 water samples were collected from Tuolumne River from March through August 2005, representing 14 4-day average concentrations and 14 1-hour average concentrations. 0 of 14 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.10 µg/L. 0 of 14 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.16 µg/L.
Data Reference:	Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports
Water Quality Objective/ Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).

Objective/Criterion Reference:	Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board - Central Valley Region
Evaluation Guideline:	California Fish and Game Hazard Assessment Criteria - 0.160 µg/L 1-hour average and 0.100 µg/L 4-day average concentration not to be exceeded more than once every three years (Siepmann and Finlayson, 2000 and Finlayson, 2004).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road.
Temporal Representation:	Samples were collected at weekly interval from January through March 2005.
Environmental Conditions:	
QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.
QAPP Information Reference(s):	Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 (Revision 0.0). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006

LOE ID:	23403
Pollutant:	Diazinon
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total
Beneficial Use:	Warm Freshwater Habitat
Aquatic Life Use:	Warm Freshwater Habitat
Number of Samples:	5
Number of Exceedances:	0

Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	23 water samples were collected from Tuolumne River from January through March 2005, representing 5 4-day average concentrations and 23 1-hour average concentrations. 0 of 5 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.10 µg/L. 2 of 23 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.16 µg/L.
Data Reference:	Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports
Water Quality Objective/ Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).
Objective/Criterion Reference:	Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board - Central Valley Region
Evaluation Guideline:	California Fish and Game Hazard Assessment Criteria - 0.160 µg/L 1-hour average and 0.100 µg/L 4-day average concentration not to be exceeded more than once every three years (Siepmann and Finlayson, 2000 and Finlayson, 2004).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road.
Temporal Representation:	Samples were collected at variable intervals (hourly, daily, and weekly) from January through March 2005.
Environmental Conditions:	
QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.

QAPP Information Reference(s): [Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 \(Revision 0.0\). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006](#)

LOE ID: 4572

Pollutant: Diazinon
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: Not Recorded

Beneficial Use: Warm Freshwater Habitat

Number of Samples: 0
Number of Exceedances: 0

Data and Information Type: Not Specified
Data Used to Assess Water Quality: Unspecified--This LOE is a placeholder to support a 303(d) listing decision made prior to 2006.
Data Reference: [Placeholder reference pre-2006 303\(d\)](#)

Water Quality Objective/
Criterion: Unspecified
Objective/Criterion Reference: [Placeholder reference pre-2006 303\(d\)](#)

Evaluation Guideline: Unspecified
Guideline Reference: [Placeholder reference pre-2006 303\(d\)](#)

Spatial Representation: Unspecified
Temporal Representation: Unspecified
Environmental Conditions: Unspecified
QAPP Information: Unspecified
QAPP Information Reference(s):

LOE ID: 23344

Pollutant: Chlorpyrifos
LOE Subgroup: Pollutant-Water

Matrix:	Water
Fraction:	Total
Beneficial Use:	Warm Freshwater Habitat
Aquatic Life Use:	Warm Freshwater Habitat
Number of Samples:	55
Number of Exceedances:	4
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	82 Water samples were collected from Tuolumne River from January 2000 through August 2001, representing 55 4-day average concentrations and 82 1-hour average concentrations. 4 of 55 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.015 µg/L. 1 of 82 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.025 µg/L.
Data Reference:	Surface Water database (SWDB) for Central Valley waterbodies, 2000-2005 Correspondence between the Department of Pesticide Regulation and Central Valley Regional Water Quality Control Board regarding water quality data for waterbodies in the Central Valley
Water Quality Objective/ Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).
Objective/Criterion Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board - Central Valley Region
Evaluation Guideline:	California Department of Fish and Game Hazard Assessment Criteria - 0.015 µg/L 4-day average and 0.025 µg/L 1-hour average (Siepmann and Finlayson, 2000, with minor corrections to significant figures as described in Beaulaurier et al., 2005).

Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	
Temporal Representation:	Samples were collected at variable intervals (e.g. weekly, monthly) from January 2000 through August 2001.
Environmental Conditions:	
QAPP Information:	Data quality: Good. Minimum requirements for the CDPR Surface Water Database are: Name of the sampling agency or organization, Date that each sample was collected, Date of each sample analysis, County where samples were taken, Detailed sampling location information (including latitude and longitude or township/range/section if available), detailed map or description of each sampling site (i.e., address, cross roads, etc.), Name or description of water body sampled, Name of the active ingredient analyzed for; concentration detected (with unit of measurement), and limit of quantitation, Description of analytical QA/QC plan, or statement that no formal plan exists. Additional optional requirements are included on DPR's webpage at http://www.cdpr.ca.gov/docs/emon/surfwtr/caps/req.htm
QAPP Information Reference(s):	Standard Operating Procedure for Conducting Surface Water Monitoring for Pesticides

LOE ID:	23343
Pollutant:	Chlorpyrifos
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total
Beneficial Use:	Warm Freshwater Habitat
Aquatic Life Use:	Warm Freshwater Habitat
Number of Samples:	16
Number of Exceedances:	1
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality:	30 water samples were collected from Tuolumne River from January through August 2006, representing 16 4-day average concentrations and 30 1-hour average concentrations. 1 of 16 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.015 µg/L. 1 of 30 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.025 µg/L.
Data Reference:	<u>Zipper file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports</u>
Water Quality Objective/ Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).
Objective/Criterion Reference:	<u>Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board - Central Valley Region</u>
Evaluation Guideline:	California Department of Fish and Game Hazard Assessment Criteria - 0.015 µg/L 4-day average and 0.025 µg/L 1-hour average (Siepmann and Finlayson, 2000, with minor corrections to significant figures as described in Beaulaurier et al., 2005).
Guideline Reference:	<u>Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game</u>
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road.
Temporal Representation:	Samples were collected at weekly from January through August 2006.
Environmental Conditions:	
QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.

QAPP Information Reference(s): [Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 \(Revision 0.0\). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006](#)

LOE ID: 23342

Pollutant: Chlorpyrifos
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: Total

Beneficial Use: Warm Freshwater Habitat
Aquatic Life Use: Warm Freshwater Habitat

Number of Samples: 14
Number of Exceedances: 1

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: 14 water samples were collected from Tuolumne River from March through August 2005, representing 14 4-day average concentrations and 14 1-hour average concentrations. 1 of 14 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.015 µg/L. 0 of 14 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.025 µg/L.

Data Reference: [Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports](#)

Water Quality Objective/
Criterion: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).

Objective/Criterion Reference: [Central Valley Regional Water Quality Control Board. Water Quality Control Plan \(Basin Plan\) for the California Regional Water Quality Control Board - Central Valley Region](#)

Evaluation Guideline:	California Department of Fish and Game Hazard Assessment Criteria - 0.015 µg/L 4-day average and 0.025 µg/L 1-hour average (Siepmann and Finlayson, 2000, with minor corrections to significant figures as described in Beaulaurier et al., 2005).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road
Temporal Representation:	Samples were collected at weekly interval from March through March 2005.
Environmental Conditions:	Samples were collected from Tuolumne River at Shiloh Road
QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.
QAPP Information Reference(s):	Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 (Revision 0.0). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006

LOE ID:	23326
Pollutant:	Chlorpyrifos
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total
Beneficial Use:	Warm Freshwater Habitat
Aquatic Life Use:	Warm Freshwater Habitat
Number of Samples:	2
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality:	17 water samples were collected from Tuolumne River in February 2004, representing 2 4-day average concentrations and 17 1-hour average concentrations. 0 of 2 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.015 µg/L. 0 of 17 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.025 µg/L.
Data Reference:	Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports
Water Quality Objective/ Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).
Objective/Criterion Reference:	Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board - Central Valley Region
Evaluation Guideline:	California Department of Fish and Game Hazard Assessment Criteria - 0.015 µg/L 4-day average and 0.025 µg/L 1-hour average (Siepmann and Finlayson, 2000, with minor corrections to significant figures as described in Beaulaurier et al., 2005).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road
Temporal Representation:	Samples were collected at variable intervals (hourly and daily) during two storm events in February 2004.
Environmental Conditions: QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.

QAPP Information Reference(s): [Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 \(Revision 0.0\). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006](#)

LOE ID: 23327

Pollutant: Chlorpyrifos
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: Total

Beneficial Use: Warm Freshwater Habitat
Aquatic Life Use: Warm Freshwater Habitat

Number of Samples: 10
Number of Exceedances: 2

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: 15 water samples were collected from Tuolumne River from March to August 2004, representing 10 4-day average concentrations and 15 1-hour average concentrations. 2 of 10 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.015 µg/L. 1 of 15 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.025 µg/L.

Data Reference: [Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports](#)

Water Quality Objective/
Criterion: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).

Objective/Criterion Reference: [Central Valley Regional Water Quality Control Board. Water Quality Control Plan \(Basin Plan\) for the California Regional Water Quality Control Board - Central Valley Region](#)

Evaluation Guideline:	California Department of Fish and Game Hazard Assessment Criteria - 0.015 µg/L 4-day average and 0.025 µg/L 1-hour average (Siepmann and Finlayson, 2000, with minor corrections to significant figures as described in Beaulaurier et al., 2005).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	Samples were collected from Tuolumne River at Shilo Road.
Temporal Representation:	Samples were collected at variable intervals (weekly or biweekly) from March to August 2004.
Environmental Conditions:	
QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.
QAPP Information Reference(s):	Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 (Revision 0.0). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006

LOE ID:	23324
Pollutant:	Chlorpyrifos
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total
Beneficial Use:	Warm Freshwater Habitat
Aquatic Life Use:	Warm Freshwater Habitat
Number of Samples:	10
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality:	37 water samples were collected from Tuolumne River from January to March 2003, representing 10 4-day average concentrations and 37 1-hour average concentrations. 0 of 10 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.015 µg/L. 0 of 37 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.025 µg/L.
Data Reference:	Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports
Water Quality Objective/ Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).
Objective/Criterion Reference:	Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board - Central Valley Region
Evaluation Guideline:	California Department of Fish and Game Hazard Assessment Criteria - 0.015 µg/L 4-day average and 0.025 µg/L 1-hour average (Siepmann and Finlayson, 2000, with minor corrections to significant figures as described in Beaulaurier et al., 2005).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road and at Santa Fe Road.
Temporal Representation:	Samples were collected at variable intervals (hourly or daily) from January to March 2003.
Environmental Conditions: QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.

QAPP Information Reference(s): [Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 \(Revision 0.0\). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006](#)

LOE ID: 23325

Pollutant: Chlorpyrifos
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: Total

Beneficial Use: Warm Freshwater Habitat
Aquatic Life Use: Warm Freshwater Habitat

Number of Samples: 36
Number of Exceedances: 3

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: 36 water samples were collected from Tuolumne River from March to August 2003, representing 36 4-day average concentrations and 36 1-hour average concentrations. 3 of 36 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.015 µg/L. 1 of 36 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.025 µg/L.

Data Reference: [Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports](#)

Water Quality Objective/
Criterion: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).

Objective/Criterion Reference: [Central Valley Regional Water Quality Control Board. Water Quality Control Plan \(Basin Plan\) for the California Regional Water Quality Control Board - Central Valley Region](#)

Evaluation Guideline:	California Department of Fish and Game Hazard Assessment Criteria - 0.015 µg/L 4-day average and 0.025 µg/L 1-hour average (Siepmann and Finlayson, 2000, with minor corrections to significant figures as described in Beaulaurier et al., 2005).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road and Santa Fe Road.
Temporal Representation:	Samples were collected at variable intervals (biweekly and weekly) from March through August 2003.
Environmental Conditions:	
QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.
QAPP Information Reference(s):	Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 (Revision 0.0). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006

LOE ID:	23341
Pollutant:	Chlorpyrifos
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total
Beneficial Use:	Warm Freshwater Habitat
Aquatic Life Use:	Warm Freshwater Habitat
Number of Samples:	2
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality:	16 water samples were collected from Tuolumne River from January through March 2005, representing 2 4-day average concentrations and 16 1-hour average concentrations. 0 of 2 available 4-day average concentrations exceeded the 4-day maximum concentration guideline of 0.015 µg/L. 0 of 16 available 1-hour average concentrations exceeded the maximum 1-hour concentration of 0.025 µg/L.
Data Reference:	Zipped file of Central Valley Waterways Pesticide TMDL monitoring data spreadsheets and reports
Water Quality Objective/ Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses (CVRWQCB, 2007). All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life (CVRWQCB, 2007).
Objective/Criterion Reference:	Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board - Central Valley Region
Evaluation Guideline:	California Department of Fish and Game Hazard Assessment Criteria - 0.015 µg/L 4-day average and 0.025 µg/L 1-hour average (Siepmann and Finlayson, 2000, with minor corrections to significant figures as described in Beaulaurier et al., 2005).
Guideline Reference:	Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game
Spatial Representation:	Samples were collected from Tuolumne River at Shiloh Road.
Temporal Representation:	Samples were collected at variable intervals (hourly, daily, and weekly) from January through March 2005.
Environmental Conditions: QAPP Information:	Data quality: Good. Calanchini, H. 2006. Quality Assurance Project Plan, Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. John Muir Institute of the Environment, U.C. Davis. Davis, CA.

QAPP Information Reference(s): [Quality Assurance Project Plan. Sacramento and San Joaquin River Basins and Sacramento-San Joaquin Delta TMDL Monitoring for Organophosphorus Pesticides and Other Pesticides Identified as Posing a High Risk to Surface Waters. Final. SWAMP Project ID 02TM5001 \(Revision 0.0\). John Muir Institute of the Environment, U. C. Davis. Davis, CA. January 26, 2006](#)

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Attachment B

Re-compiled chlorpyrifos and diazinon data for the Lower
Tuolumne River

Lower Tuolumne River 1-hour average chlorpyrifos data										
Site	LOE ID	Date	Reported result	Numerical result	Units	Flag	Source	LOD	LOQ	1-hour average criterion exceedence
Tuolumne @ Shilo Rd.	23344	January 6, 2000	0	0	ug/L		CDPR 2008		0.004	No
Tuolumne @ Shilo Rd.	23344	January 12, 2000	0.0073	0.0073	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 19, 2000	0.0043	0.0043	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 25, 2000	0.0176	0.0176	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 4, 2000	0.0078	0.0078	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 9, 2000	0	0	ug/L		CDPR 2008		0.004	No
Tuolumne @ Shilo Rd.	23344	February 11, 2000	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 12, 2000	0.0057	0.0057	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 12, 2000	0.0082	0.0082	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 12, 2000	0.0047	0.0047	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 13, 2000	0.0043	0.0043	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 13, 2000	0.0057	0.0057	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 13, 2000	0.0065	0.0065	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 14, 2000	0.0058	0.0058	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 14, 2000	0.0077	0.0077	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 15, 2000	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 15, 2000	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 15, 2000	0.0053	0.0053	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 16, 2000	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 4, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 8, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	January 11, 2001	0.0087	0.0087	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 18, 2001	0.0082	0.0082	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 26, 2001	0.0069	0.0069	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 26, 2001	0.0085	0.0085	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 26, 2001	0.0071	0.0071	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 26, 2001	0.0097	0.0097	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 27, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 27, 2001	0.0057	0.0057	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 27, 2001	0.0051	0.0051	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 27, 2001	0.0063	0.0063	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 28, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 1, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 8, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 15, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 21, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 22, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 24, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 25, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 25, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 25, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 25, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 25, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 25, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 25, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 26, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 26, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	April 11, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	April 18, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	April 25, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	May 2, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	May 9, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	May 16, 2001	0.015	0.015	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	May 23, 2001	0.007	0.007	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	May 30, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	June 6, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	June 12, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	June 19, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	June 21, 2001	0.0208	0.0208	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	June 26, 2001	0.006	0.006	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	July 3, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	July 10, 2001	0.012	0.012	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	July 17, 2001	0.007	0.007	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	July 24, 2001	0.006	0.006	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	July 31, 2001	0.006	0.006	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	August 2, 2001	0.0124	0.0124	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	August 7, 2001	0.02	0.02	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	August 14, 2001	0.008	0.008	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	August 21, 2001	0.009	0.009	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	July 2, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	July 8, 2002	0.056	0.056	ug/L		CDPR 2008		0.04	Yes
Tuolumne @ Shilo Rd.	23344	July 15, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	July 22, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	July 29, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	August 5, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	August 12, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	August 19, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	August 26, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	September 3, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	September 9, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	September 16, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	September 23, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	September 30, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23324	January 9, 2003	BQL (0.004 J)	0.004	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	February 13, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	February 13, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	February 14, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	February 14, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	February 16, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No

Lower Tuolumne River 1-hour average chlorpyrifos data, cont.										
Site	LOE ID	Date	Reported result	Numerical result	Units	Flag	Source	LOD	LOQ	1-hour average criterion exceedence
Tuolumne @ Shilo Rd.	23324	February 16, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	February 17, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	February 17, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325 / 23324	March 13, 2003	BQL (0.004 J)	0.004	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.		March 15, 2003	BQL (0.009 J)	0.009	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	March 16, 2003	0.015	0.015	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	March 16, 2003	BQL (0.006 J)	0.006	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	March 17, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	March 17, 2003	BQL (0.005 J)	0.005	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	March 17, 2003	BQL (0.004 J)	0.004	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	March 18, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	March 27, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	April 10, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	April 24, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	May 8, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	May 22, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	June 5, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	June 12, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	June 19, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	June 26, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	July 3, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	July 10, 2003	BQL (0.005 J)	0.005	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	July 17, 2003	0.025	0.025	ug/L		CDPR 2008	0.004	0.01	Yes
Tuolumne @ Shilo Rd.	23325	July 25, 2003	BQL (0.007 J)	0.007	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	July 31, 2003	BQL (0.004 J)	0.004	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	August 7, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	August 14, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	August 21, 2003	BQL (0.006 J)	0.006	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	August 28, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 2, 2004	BQL (0.006 J)	0.006	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 2, 2004	BQL (0.004 J)	0.004	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 3, 2004	0.015	0.015	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 3, 2004	0.014	0.014	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 4, 2004	BQL (0.007 J)	0.007	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 4, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 4, 2004	BQL (0.008 J)	0.008	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 5, 2004	0.011	0.011	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 5, 2004	0.011	0.011	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 16, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 16, 2004	BQL (0.006 J)	0.006	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 17, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 17, 2004	BQL (0.004 J)	0.004	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 18, 2004	BQL (0.004 J)	0.004	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 18, 2004	BQL (0.006 J)	0.006	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 19, 2004	BQL (0.005 J)	0.005	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 19, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	March 10, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	March 10, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	March 17, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	March 25, 2004	0.014	0.014	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	March 31, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	March 31, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	July 9, 2004	0.027	0.027	ug/L		CDPR 2008	0.004	0.01	Yes
Tuolumne @ Shilo Rd.	23327	July 15, 2004	0.019	0.019	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	July 15, 2004	0.017	0.017	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	July 29, 2004	BQL (0.007 J)	0.007	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	July 29, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	August 4, 2004	0.012	0.012	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	August 20, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	August 20, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	August 25, 2004	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	January 27, 2005	0.025	0.025	ug/L		CDPR 2008	0.004	0.01	Yes
Tuolumne @ Shilo Rd.	23341	January 27, 2005	0.024	0.024	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	January 28, 2005	0.013	0.013	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	January 28, 2005	0.013	0.013	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	January 29, 2005	0.013	0.013	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	January 29, 2005	0.012	0.012	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	January 30, 2005	BQL (0.008 J)	0.008	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	January 30, 2005	0.01	0.01	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	February 15, 2005	None Detected	0	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	February 15, 2005	None Detected	0	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	February 16, 2005	BQL (0.007 J)	0.007	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	February 16, 2005	BQL (0.005 J)	0.005	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	February 17, 2005	BQL (0.005 J)	0.005	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	February 17, 2005	BQL (0.005 J)	0.005	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	February 18, 2005	None Detected	0	ug/L	0	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	February 18, 2005	BQL (0.005 J)	0.005	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23342	March 10, 2005	ND	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	March 17, 2005	ND	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	March 22, 2005	ND	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	March 31, 2005	ND	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	June 29, 2005	ND	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	July 6, 2005	ND	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	July 13, 2005	0.012	0.012	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	July 21, 2005	0.022	0.022	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	July 28, 2005	(0.006 J)	0.006	ug/L	J	CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	August 3, 2005	(0.006 J)	0.006	ug/L	J	CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	August 10, 2005	0.011	0.011	ug/L		CDPR 2008			No

Lower Tuolumne River 1-hour average chlorpyrifos data, cont.										
Site	LOE ID	Date	Reported result	Numerical result	Units	Flag	Source	LOD	LOQ	1-hour average criterion exceedance
Tuolumne @ Shilo Rd.	23342	August 17, 2005	0.014	0.014	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	August 24, 2005	(0.007 J)	0.007	ug/L	J	CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	August 31, 2005	ND	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	January 14, 2006	0.006	0.006	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	January 14, 2006	0.008 (GN)	0.008	ug/L	GN	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	January 15, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	January 15, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	January 16, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	January 16, 2006	0.013	0.013	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	February 28, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	February 28, 2006	0.005	0.005	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 1, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 1, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 2, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 2, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 3, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 3, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 7, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 13, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 20, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 27, 2006	-0.004	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	July 6, 2006	0.034	0.034	ug/L		CDPR 2008			Yes
Tuolumne @ Shilo Rd.	23343	July 13, 2006	-0.003 (GN)	-0.003	ug/L	GN	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	July 20, 2006	-0.003	-0.003	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	July 27, 2006	-0.003	-0.003	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	August 3, 2006	0.01	0.01	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	August 10, 2006	-0.003	-0.003	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	August 17, 2006	-0.003	-0.003	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	August 24, 2006	-0.003	-0.003	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	August 31, 2006	-0.003	-0.003	ug/L	X	CDPR 2008			No
Tuolumne R. @ Santa Fe	23324	January 9, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 13, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 13, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 13, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 14, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 14, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 14, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 16, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 16, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 17, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 17, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 17, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325 / 23324	March 13, 2003	0.017	0.017	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	March 15, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	March 15, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	March 16, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	March 16, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	March 16, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	March 17, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	March 17, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	March 27, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	April 10, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	April 24, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	May 8, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	May 22, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	June 5, 2003	0.04	0.04	ug/L		CDPR 2008	0.004	0.01	Yes
Tuolumne R. @ Santa Fe	23325	June 12, 2003	0.012	0.012	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	June 19, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	June 26, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	July 3, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	July 10, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	July 17, 2003	0.023	0.023	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	July 25, 2003	BQL (0.009 J)	0.009	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	July 31, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	August 7, 2003	BQL (0.007 J)	0.007	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	August 14, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	August 21, 2003	BQL (0.006 J)	0.006	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	August 28, 2003	None Detected	0.000	ug/L		CDPR 2008	0.004	0.01	No

Lower Tuolumne River 4-day average chlorpyrifos data									
Site	LOE ID	Date	Numerical result	Units	Flag	Source	LOD	LOQ	4-day average criterion exceedence
Tuolumne @ Shilo Rd.	23344	January 6, 2000	0	ug/L		CDPR 2008		0.004	No
Tuolumne @ Shilo Rd.	23344	January 12, 2000	0.0073	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 19, 2000	0.0043	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 25, 2000	0.0176	ug/L		CDPR 2008			Yes
Tuolumne @ Shilo Rd.	23344	February 4, 2000	0.0078	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 9, 2000	0.00372	ug/L	AVG	CDPR 2008		0.004	No
Tuolumne @ Shilo Rd.	23344	February 13, 2000	0.003922222	ug/L	AVG	CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 4, 2001	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 8, 2001	0.00435	ug/L	AVG	CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	January 18, 2001	0.0082	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	January 26, 2001	0.00493	ug/L	AVG	CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 8, 2001	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23344	February 15, 2001	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 21, 2001	0	ug/L	AVG	CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	February 25, 2001	0	ug/L	AVG	CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	April 11, 2001	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	April 18, 2001	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	April 25, 2001	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	May 2, 2001	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	May 9, 2001	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	May 16, 2001	0.015	ug/L		CDPR 2008		0.005	Yes
Tuolumne @ Shilo Rd.	23344	May 23, 2001	0.007	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	May 30, 2001	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	June 6, 2001	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	June 12, 2001	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	June 19, 2001	0.0104	ug/L	AVG	CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	June 26, 2001	0.006	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	July 3, 2001	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	July 10, 2001	0.012	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	July 17, 2001	0.007	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	July 24, 2001	0.006	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	July 31, 2001	0.0092	ug/L	AVG	CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	August 7, 2001	0.02	ug/L		CDPR 2008		0.005	Yes
Tuolumne @ Shilo Rd.	23344	August 14, 2001	0.008	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	August 21, 2001	0.009	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23344	July 2, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	July 8, 2002	0.056	ug/L		CDPR 2008		0.04	Yes
Tuolumne @ Shilo Rd.	23344	July 15, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	July 22, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	July 29, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	August 5, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	August 12, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	August 19, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	August 26, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	September 3, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	September 9, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	September 16, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	September 23, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23344	September 30, 2002	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23324	January 9, 2003	0.004	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	February 13, 2003	0.000	ug/L	AVG	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325 / 23324	March 13, 2003	0.006142857	ug/L	AVG	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23324	March 18, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	March 27, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	April 10, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	April 24, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	May 8, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	May 22, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	June 5, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	June 12, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	June 19, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	June 26, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	July 3, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	July 10, 2003	0.005	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	July 17, 2003	0.025	ug/L		CDPR 2008	0.004	0.01	Yes
Tuolumne @ Shilo Rd.	23325	July 25, 2003	0.007	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	July 31, 2003	0.004	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	August 7, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	August 14, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	August 21, 2003	0.006	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23325	August 28, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 2, 2004	0.008444444	ug/L	AVG	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23326	February 16, 2004	0.003	ug/L	AVG	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	March 10, 2004	0.000	ug/L	AVG	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	March 17, 2004	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	March 25, 2004	0.014	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	March 31, 2004	0.000	ug/L	AVG	CDPR 2008	0.004	0.01	No

Lower Tuolumne River 4-day average chlorpyrifos data, cont.									
Site	LOE ID	Date	Numerical result	Units	Flag	Source	LOD	LOQ	4-day average criterion exceedence
Tuolumne @ Shilo Rd.	23327	July 9, 2004	0.021	ug/L		CDPR 2008	0.004	0.01	Yes
Tuolumne @ Shilo Rd.	23327	July 15, 2004	0.019	ug/L	AVG	CDPR 2008	0.004	0.01	Yes
Tuolumne @ Shilo Rd.	23327	July 29, 2004	0.0035	ug/L	AVG	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	August 4, 2004	0.012	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	August 20, 2004	0.000	ug/L	AVG	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23327	August 25, 2004	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	January 27, 2005	0.01475	ug/L	AVG	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23341	February 15, 2005	0.003375	ug/L	AVG	CDPR 2008	0.004	0.01	No
Tuolumne @ Shilo Rd.	23342	March 10, 2005	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	March 17, 2005	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	March 22, 2005	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	March 31, 2005	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	June 29, 2005	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	July 6, 2005	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	July 13, 2005	0.012	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	July 21, 2005	0.022	ug/L		CDPR 2008			Yes
Tuolumne @ Shilo Rd.	23342	July 28, 2005	0.006	ug/L	J	CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	August 3, 2005	0.006	ug/L	J	CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	August 10, 2005	0.011	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	August 17, 2005	0.014	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	August 24, 2005	0.007	ug/L	J	CDPR 2008			No
Tuolumne @ Shilo Rd.	23342	August 31, 2005	0.000	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	January 14, 2006	0.0025	ug/L	AVG	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	February 28, 2006	-0.002875	ug/L	AVG	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 7, 2006	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 13, 2006	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 20, 2006	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	March 27, 2006	-0.004	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	July 6, 2006	0.034	ug/L		CDPR 2008			Yes
Tuolumne @ Shilo Rd.	23343	July 13, 2006	-0.003	ug/L	GN	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	July 20, 2006	-0.003	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	July 27, 2006	-0.003	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	August 3, 2006	0.01	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	August 10, 2006	-0.003	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	August 17, 2006	-0.003	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	August 24, 2006	-0.003	ug/L	X	CDPR 2008			No
Tuolumne @ Shilo Rd.	23343	August 31, 2006	-0.003	ug/L	X	CDPR 2008			No
Tuolumne R. @ Santa Fe	23324	January 9, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 13, 2003	0.000	ug/L	AVG	CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23324	February 17, 2003	0.000	ug/L	AVG	CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325 / 23324	March 13, 2003	0.002125	ug/L	AVG	CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	March 27, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	April 10, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	April 24, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	May 8, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	May 22, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	June 5, 2003	0.04	ug/L		CDPR 2008	0.004	0.01	Yes
Tuolumne R. @ Santa Fe	23325	June 12, 2003	0.012	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	June 19, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	June 26, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	July 3, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	July 10, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	July 17, 2003	0.023	ug/L		CDPR 2008	0.004	0.01	Yes
Tuolumne R. @ Santa Fe	23325	July 25, 2003	0.009	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	July 31, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	August 7, 2003	0.007	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	August 14, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	August 21, 2003	0.006	ug/L	BQL, J	CDPR 2008	0.004	0.01	No
Tuolumne R. @ Santa Fe	23325	August 28, 2003	0.000	ug/L		CDPR 2008	0.004	0.01	No

Lower Tuolumne River 1-hour average diazinon data										
Site	LOE ID	Date	Reported result	Numerical result	Units	Flag	Source	LOD	LOQ	1-hour average criterion exceedence
Tuolumne @ Shilo Rd.	23406	January 6, 2000	0.0048	0.0048	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 12, 2000	0.0639	0.0639	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 19, 2000	0.0173	0.0173	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 25, 2000	0.092	0.092	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 4, 2000	0.02	0.02	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 9, 2000	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 11, 2000	0.0195	0.0195	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 12, 2000	0.0202	0.0202	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 12, 2000	0.0425	0.0425	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 12, 2000	0.073	0.073	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 13, 2000	0.0209	0.0209	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 13, 2000	0.0304	0.0304	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 13, 2000	0.032	0.032	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 14, 2000	0.0182	0.0182	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 14, 2000	0.0313	0.0313	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 15, 2000	0.0073	0.0073	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 15, 2000	0.0096	0.0096	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 15, 2000	0.0109	0.0109	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 16, 2000	0.0074	0.0074	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 4, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 8, 2001	0.0389	0.0389	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 11, 2001	0.135	0.135	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 18, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 26, 2001	0.035	0.035	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 26, 2001	0.108	0.108	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 26, 2001	0.123	0.123	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 26, 2001	0.201	0.201	ug/L		CDPR 2008			Yes
Tuolumne @ Shilo Rd.	23406	January 27, 2001	0.0217	0.0217	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 27, 2001	0.0219	0.0219	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 27, 2001	0.0258	0.0258	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 27, 2001	0.0348	0.0348	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	January 28, 2001	0.0267	0.0267	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 1, 2001	0.0075	0.0075	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 8, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	February 15, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 21, 2001	0.0069	0.0069	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 22, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 24, 2001	0.0055	0.0055	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 25, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 25, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 25, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 25, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 25, 2001	0.0056	0.0056	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 25, 2001	0.0062	0.0062	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 26, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	February 26, 2001	0	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	April 11, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	April 18, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	April 25, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	May 2, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	May 9, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	May 16, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	May 23, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	May 30, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	June 6, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	June 12, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	June 19, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	June 21, 2001	0.0264	0.0264	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	June 26, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	July 3, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	July 10, 2001	0.01	0.01	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	July 17, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	July 24, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	July 31, 2001	0.008	0.008	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	August 2, 2001	0.0093	0.0093	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23406	August 7, 2001	0.007	0.007	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	August 14, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	August 21, 2001	0	0	ug/L		CDPR 2008		0.005	No
Tuolumne @ Shilo Rd.	23406	July 2, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	July 8, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	July 15, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	July 22, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	July 29, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	August 5, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	August 12, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	August 19, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	August 26, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	September 3, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	September 9, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	September 16, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	September 23, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23406	September 30, 2002	0	0	ug/L		CDPR 2008		0.04	No
Tuolumne @ Shilo Rd.	23383	January 9, 2003	BQL (0.009 J)	0.009	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	February 13, 2003	BQL (0.009 J)	0.009	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	February 13, 2003	0.032	0.032	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	February 14, 2003	BQL (0.009 J)	0.009	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	February 14, 2003	0.02	0.02	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	February 16, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No

Lower Tuolumne River 1-hour average diazinon data, cont.										
Site	LOE ID	Date	Reported result	Numerical result	Units	Flag	Source	LOD	LOQ	1-hour average criterion exceedence
Tuolumne @ Shilo Rd.	23383	February 16, 2003	0.032	0.032	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	February 17, 2003	BQL (0.007 J)	0.007	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	February 17, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384 / 23383	March 13, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.		23383	March 15, 2003	BQL (0.010 J)	0.01	ug/L	BQL, J	CDPR 2008	0.007	0.020
Tuolumne @ Shilo Rd.	23383	March 16, 2003	0.05	0.05	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	March 16, 2003	0.021	0.021	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	March 17, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	March 17, 2003	BQL (0.009 J)	0.009	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	March 17, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	March 18, 2003	BQL (0.009 J)	0.009	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	March 27, 2003	0.027	0.027	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	April 10, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	April 24, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	May 8, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	May 22, 2003	BQL (0.010 J)	0.01	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	May 22, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	June 5, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	June 12, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	June 19, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	June 26, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	July 3, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	July 10, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	July 17, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	July 25, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	July 31, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	August 7, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	August 14, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	August 21, 2003	BQL (0.010 J)	0.01	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	August 28, 2003	BQL (0.011 J)	0.011	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 2, 2004	BQL (0.016 J)	0.016	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 2, 2004	0.021	0.021	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 3, 2004	0.13	0.13	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 3, 2004	0.06	0.06	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 4, 2004	0.042	0.042	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 4, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 4, 2004	0.041	0.041	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 5, 2004	0.06	0.06	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 5, 2004	0.088	0.088	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 16, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 16, 2004	BQL (0.013 J)	0.013	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 17, 2004	BQL (0.014 J)	0.014	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 17, 2004	BQL (0.011 J)	0.011	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 18, 2004	BQL (0.007 J)	0.007	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 18, 2004	0.03	0.03	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 19, 2004	BQL (0.012 J)	0.012	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 19, 2004	BQL (0.008 J)	0.008	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	March 10, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	March 10, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	March 17, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	March 25, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	March 31, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	March 31, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	July 9, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	July 15, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	July 15, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	July 29, 2004	BQL (0.008 J)	0.008	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	July 29, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	August 4, 2004	BQL (0.010 J)	0.01	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	August 20, 2004	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	August 20, 2004	BQL (0.010 J)	0.01	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	August 25, 2004	0.028	0.028	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23404	January 27, 2005	0.57	0.57	ug/L		CDPR 2008	0.007	0.020	Yes
Tuolumne @ Shilo Rd.	23404	January 27, 2005	0.49	0.49	ug/L		CDPR 2008	0.007	0.020	Yes
Tuolumne @ Shilo Rd.	23404	January 28, 2005	0.040	0.04	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23404	January 28, 2005	0.040	0.04	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23404	January 29, 2005	0.13	0.13	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23404	January 29, 2005	0.044	0.044	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23404	January 30, 2005	0.099	0.099	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne @ Shilo Rd.	23404	January 30, 2005	0.16	0.16	ug/L		CDPR 2008	0.007	0.020	Yes
Tuolumne @ Shilo Rd.	23404	February 15, 2005	BQL (0.014 J)	0.014	ug/L	BQL, J	CDPR 2008	0.007	0.02	No
Tuolumne @ Shilo Rd.	23404	February 15, 2005	None Detected	0	ug/L		CDPR 2008	0.007	0.02	No
Tuolumne @ Shilo Rd.	23404	February 16, 2005	BQL (0.018 J)	0.018	ug/L	BQL, J	CDPR 2008	0.007	0.02	No
Tuolumne @ Shilo Rd.	23404	February 16, 2005	BQL (0.013 J)	0.013	ug/L	BQL, J	CDPR 2008	0.007	0.02	No
Tuolumne @ Shilo Rd.	23404	February 17, 2005	BQL (0.010 J)	0.01	ug/L	BQL, J	CDPR 2008	0.007	0.02	No
Tuolumne @ Shilo Rd.	23404	February 17, 2005	None Detected	0	ug/L		CDPR 2008	0.007	0.02	No
Tuolumne @ Shilo Rd.	23404	February 18, 2005	None Detected	0	ug/L		CDPR 2008	0.007	0.02	No
Tuolumne @ Shilo Rd.	23404	February 18, 2005	None Detected	0	ug/L		CDPR 2008	0.007	0.02	No
Tuolumne @ Shilo Rd.	23404	March 10, 2005	ND	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23404	March 17, 2005	(0.013 J)	0.013	ug/L	J	CDPR 2008			No
Tuolumne @ Shilo Rd.	23404	March 22, 2005	ND	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23404	March 31, 2005	ND	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23404	June 29, 2005	ND	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23404	July 6, 2005	ND	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23404	July 13, 2005	ND	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23404	July 21, 2005	ND	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23404	July 28, 2005	ND	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23404	August 3, 2005	ND	0	ug/L		CDPR 2008			No

Lower Tuolumne River 1-hour average diazinon data, cont.										
Site	LOE ID	Date	Reported result	Numerical result	Units	Flag	Source	LOD	LOQ	1-hour average criterion exceedence
Tuolumne @ Shilo Rd.	23404	August 10, 2005	ND	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23404	August 17, 2005	(0.008 J)	0.008	ug/L	J	CDPR 2008			No
Tuolumne @ Shilo Rd.	23404	August 24, 2005	ND	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23404	August 31, 2005	ND	0	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	January 14, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	January 14, 2006	-0.007 (GN)	-0.007	ug/L	GN	CDPR 2008			No
Tuolumne @ Shilo Rd.	None	January 15, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	January 15, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	January 16, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	January 16, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	February 28, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	February 28, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	March 1, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	March 1, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	March 2, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	March 2, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	March 3, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	None	March 3, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	March 7, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	March 13, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	March 20, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	March 27, 2006	-0.007	-0.007	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	July 6, 2006	-0.003	-0.003	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	July 13, 2006	-0.003 (GN)	-0.003	ug/L	GN	CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	July 20, 2006	-0.003	-0.003	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	July 27, 2006	-0.003	-0.003	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	August 3, 2006	-0.003	-0.003	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	August 10, 2006	-0.003	-0.003	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	August 17, 2006	-0.003	-0.003	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	August 24, 2006	-0.003	-0.003	ug/L		CDPR 2008			No
Tuolumne @ Shilo Rd.	23405	August 31, 2006	-0.003	-0.003	ug/L		CDPR 2008			No
Tuolumne R. @ Santa Fe	23383	January 9, 2003	BQL (0.012 J)	0.012	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 13, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 13, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 13, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 14, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 14, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 14, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 16, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 16, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 17, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 17, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 17, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23385 / 23383	March 13, 2003	BQL (0.008 J)	0.008	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	March 15, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	March 15, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	March 16, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	March 16, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	March 16, 2003	BQL (0.007 J)	0.007	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	March 17, 2003	BQL (0.009 J)	0.009	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	March 17, 2003	BQL (0.008 J)	0.008	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	March 27, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	April 10, 2003	BQL (0.010 J)	0.01	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	April 24, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	May 8, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	May 22, 2003	0.041	0.041	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	June 5, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	June 12, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	June 19, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	June 26, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	July 3, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	July 10, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	July 17, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	July 25, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	July 31, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	August 7, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	August 14, 2003	None Detected	0	ug/L		CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	August 21, 2003	BQL (0.019 J)	0.019	ug/L	BQL, J	CDPR 2008	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	August 28, 2003	0.02	0.02	ug/L		CDPR 2008	0.007	0.020	No

Lower Tuolumne River 4-day average diazinon data											
Site	LOE ID	Date	Numerical result	Units	Source	Comments	Numerical result	Flag	LOD	LOQ	4-day average criterion exceedence
Tuolumne @ Shilo Rd.	23406	January 6, 2000	0.0048	ug/L	CDPR 2008		0.0048				No
Tuolumne @ Shilo Rd.	23406	January 12, 2000	0.0639	ug/L	CDPR 2008		0.0639				No
Tuolumne @ Shilo Rd.	23406	January 19, 2000	0.0173	ug/L	CDPR 2008		0.0173				No
Tuolumne @ Shilo Rd.	23406	January 25, 2000	0.092	ug/L	CDPR 2008		0.092				No
Tuolumne @ Shilo Rd.	23406	February 4, 2000	0.02	ug/L	CDPR 2008		0.02				No
Tuolumne @ Shilo Rd.	23406	February 9, 2000	0	ug/L	CDPR 2008		0.03104	AVG			No
Tuolumne @ Shilo Rd.	23406	February 13, 2000	0.0209	ug/L	CDPR 2008		0.018666667	AVG			No
Tuolumne @ Shilo Rd.	23406	January 4, 2001	0	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23406	January 8, 2001	0.0389	ug/L	CDPR 2008		0.08695	AVG			No
Tuolumne @ Shilo Rd.	23406	January 18, 2001	0	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23406	January 26, 2001	0.035	ug/L	CDPR 2008		0.066433333	AVG			No
Tuolumne @ Shilo Rd.	23406	February 1, 2001	0.0075	ug/L	CDPR 2008		0.0075				No
Tuolumne @ Shilo Rd.	23406	February 8, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	February 15, 2001	0	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23406	February 21, 2001	0.0069	ug/L	CDPR 2008		0.004133333	AVG			No
Tuolumne @ Shilo Rd.	23406	February 25, 2001	0	ug/L	CDPR 2008		0.001475	AVG			No
Tuolumne @ Shilo Rd.	23406	April 11, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	April 18, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	April 25, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	May 2, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	May 9, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	May 16, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	May 23, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	May 30, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	June 6, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	June 12, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	June 19, 2001	0	ug/L	CDPR 2008		0.0132	AVG		0.005	No
Tuolumne @ Shilo Rd.	23406	June 26, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	July 3, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	July 10, 2001	0.01	ug/L	CDPR 2008		0.01			0.005	No
Tuolumne @ Shilo Rd.	23406	July 17, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	July 24, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	July 31, 2001	0.008	ug/L	CDPR 2008		0.00865	AVG		0.005	No
Tuolumne @ Shilo Rd.	23406	August 7, 2001	0.007	ug/L	CDPR 2008		0.007			0.005	No
Tuolumne @ Shilo Rd.	23406	August 14, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	August 21, 2001	0	ug/L	CDPR 2008		0			0.005	No
Tuolumne @ Shilo Rd.	23406	July 2, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	July 8, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	July 15, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	July 22, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	July 29, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	August 5, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	August 12, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	August 19, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	August 26, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	September 3, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	September 9, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	September 16, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	September 23, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23406	September 30, 2002	0	ug/L	CDPR 2008		0			0.04	No
Tuolumne @ Shilo Rd.	23383	January 9, 2003	BQL (0.009 J)	ug/L	CDPR 2008	Pre-storm sample	0.009	BQL, J	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	February 13, 2003	BQL (0.009 J)	ug/L	CDPR 2008	Storm sampling	0.017	AVG	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	February 17, 2003	BQL (0.007 J)	ug/L	CDPR 2008	Storm sampling	0.0035	AVG	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384 / 23383	March 13, 2003	None Detected	ug/L	CDPR 2008	Pre-irrigation sample	0.02025	AVG	0.007	0.020	No
Tuolumne @ Shilo Rd.	23383	March 17, 2003	None Detected	ug/L	CDPR 2008	Storm sampling	0.0045	AVG	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	March 27, 2003	0.027	ug/L	CDPR 2008	Irrigation season	0.027		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	April 10, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	April 24, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	May 8, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	May 22, 2003	BQL (0.010 J)	ug/L	CDPR 2008	Irrigation season	0.005	AVG	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	June 5, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	June 12, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	June 19, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	June 26, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	July 3, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	July 10, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	July 17, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	July 25, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	July 31, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	August 7, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	August 14, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	August 21, 2003	BQL (0.010 J)	ug/L	CDPR 2008	Irrigation season	0.01	BQL, J	0.007	0.020	No
Tuolumne @ Shilo Rd.	23384	August 28, 2003	BQL (0.011 J)	ug/L	CDPR 2008	Irrigation season	0.011	BQL, J	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 2, 2004	BQL (0.016 J)	ug/L	CDPR 2008	Storm sampling	0.050888889	AVG	0.007	0.020	No
Tuolumne @ Shilo Rd.	23385	February 16, 2004	None Detected	ug/L	CDPR 2008	Storm sampling	0.011875	AVG	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	March 10, 2004	None Detected	ug/L	CDPR 2008	Irrigation season	0	AVG	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	March 17, 2004	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	March 25, 2004	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	March 31, 2004	None Detected	ug/L	CDPR 2008	Irrigation season	0	AVG	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	July 9, 2004	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	July 15, 2004	None Detected	ug/L	CDPR 2008	Irrigation season	0	AVG	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	July 29, 2004	BQL (0.008 J)	ug/L	CDPR 2008	Irrigation season	0.004	AVG	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	August 4, 2004	BQL (0.010 J)	ug/L	CDPR 2008	Irrigation season	0.01	BQL, J	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	August 20, 2004	None Detected	ug/L	CDPR 2008	Irrigation season	0.005	AVG	0.007	0.020	No
Tuolumne @ Shilo Rd.	23386	August 25, 2004	0.028	ug/L	CDPR 2008	Irrigation season	0.028		0.007	0.020	No
Tuolumne @ Shilo Rd.	23404	January 27, 2005	0.57	ug/L	CDPR 2008	Storm sampling	0.196625	AVG	0.007	0.020	Yes
Tuolumne @ Shilo Rd.	23404	February 15, 2005	BQL (0.014 J)	ug/L	CDPR 2008	Storm sampling	0.006875	AVG	0.007	0.02	No
Tuolumne @ Shilo Rd.	23404	March 10, 2005	ND	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23404	March 17, 2005	(0.013 J)	ug/L	CDPR 2008		0.013	J			No
Tuolumne @ Shilo Rd.	23404	March 22, 2005	ND	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23404	March 31, 2005	ND	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23404	June 29, 2005	ND	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23404	July 6, 2005	ND	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23404	July 13, 2005	ND	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23404	July 21, 2005	ND	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23404	July 28, 2005	ND	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23404	August 3, 2005	ND	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23404	August 10, 2005	ND	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	23404	August 17, 2005	(0.008 J)	ug/L	CDPR 2008		0.008	J			No
Tuolumne @ Shilo Rd.	23404	August 24, 2005	ND	ug/L	CDPR 2008		0				No

Lower Tuolumne River 4-day average diazinon data, cont.											
Site	LOE ID	Date	Numerical result	Units	Source	Comments	Numerical result	Flag	LOD	LOQ	4-day average criterion exceedence
Tuolumne @ Shilo Rd.	23404	August 31, 2005	ND	ug/L	CDPR 2008		0				No
Tuolumne @ Shilo Rd.	None	January 14, 2006	-0.007	ug/L	CDPR 2008		-0.007	AVG			No
Tuolumne @ Shilo Rd.	None	February 28, 2006	-0.007	ug/L	CDPR 2008		-0.007	AVG			No
Tuolumne @ Shilo Rd.	23405	March 7, 2006	-0.007	ug/L	CDPR 2008		-0.007				No
Tuolumne @ Shilo Rd.	23405	March 13, 2006	-0.007	ug/L	CDPR 2008		-0.007				No
Tuolumne @ Shilo Rd.	23405	March 20, 2006	-0.007	ug/L	CDPR 2008		-0.007				No
Tuolumne @ Shilo Rd.	23405	March 27, 2006	-0.007	ug/L	CDPR 2008		-0.007				No
Tuolumne @ Shilo Rd.	23405	July 6, 2006	-0.003	ug/L	CDPR 2008		-0.003				No
Tuolumne @ Shilo Rd.	23405	July 13, 2006	-0.003 (GN)	ug/L	CDPR 2008		-0.003	GN			No
Tuolumne @ Shilo Rd.	23405	July 20, 2006	-0.003	ug/L	CDPR 2008		-0.003				No
Tuolumne @ Shilo Rd.	23405	July 27, 2006	-0.003	ug/L	CDPR 2008		-0.003				No
Tuolumne @ Shilo Rd.	23405	August 3, 2006	-0.003	ug/L	CDPR 2008		-0.003				No
Tuolumne @ Shilo Rd.	23405	August 10, 2006	-0.003	ug/L	CDPR 2008		-0.003				No
Tuolumne @ Shilo Rd.	23405	August 17, 2006	-0.003	ug/L	CDPR 2008		-0.003				No
Tuolumne @ Shilo Rd.	23405	August 24, 2006	-0.003	ug/L	CDPR 2008		-0.003				No
Tuolumne @ Shilo Rd.	23405	August 31, 2006	-0.003	ug/L	CDPR 2008		-0.003				No
Tuolumne R. @ Santa Fe	23383	January 9, 2003	BQL (0.012 J)	ug/L	CDPR 2008	Pre-storm sample	0.012	BQL, J	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 13, 2003	None Detected	ug/L	CDPR 2008	Storm sampling	0	AVG	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	February 17, 2003	None Detected	ug/L	CDPR 2008	Storm sampling	0	AVG	0.007	0.020	No
Tuolumne R. @ Santa Fe	23385 / 23383	March 13, 2003	BQL (0.008 J)	ug/L	CDPR 2008	Pre-irrigation sample	0.0025	AVG	0.007	0.020	No
Tuolumne R. @ Santa Fe	23383	March 17, 2003	BQL (0.009 J)	ug/L	CDPR 2008	Storm sampling	0.0085	AVG	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	March 27, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	April 10, 2003	BQL (0.010 J)	ug/L	CDPR 2008	Irrigation season	0.01	BQL, J	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	April 24, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	May 8, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	May 22, 2003	0.041	ug/L	CDPR 2008	Irrigation season	0.041		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	June 5, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	June 12, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	June 19, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	June 26, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	July 3, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	July 10, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	July 17, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	July 25, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	July 31, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	August 7, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	August 14, 2003	None Detected	ug/L	CDPR 2008	Irrigation season	0		0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	August 21, 2003	BQL (0.019 J)	ug/L	CDPR 2008	Irrigation season	0.019	BQL, J	0.007	0.020	No
Tuolumne R. @ Santa Fe	23384	August 28, 2003	0.02	ug/L	CDPR 2008	Irrigation season	0.02		0.007	0.020	No

Column	Description
Site	Site description
LOE ID	Line on of evidence ID from CVRWQCB (2009) fact sheets
Date	Date
Reported result	Result as reported in orignal data source
Numerical result	Numerical result
Units	Units of the numerical result
Flag	Flags associated with the result
Source	Data source
LOD	Limit of detection
LOQ	Limit of quantitation
1-hour average criterion exceedence	Does the measurment exceed the applicable water quality criterion?
4-day average criterion exceedence	Does the measurment exceed the applicable water quality criterion?

Flags

AVG	Data reported is the average of all data from within four days of the stated date. For the purposes of this calculation, "no detect" results were considered to be 0.
J	Flag added by original data source, meaning unknown. Likely signifies result is nonzero but below the LOQ.
BQL	Flag added by original data source, meaning unknown
GN	Flag added by original data source, meaning unknown
X	Flag added by original data source, meaning unknown

Attachment C

2002 303(d) list Fact Sheet for diazinon in the Lower Tuolumne
River

B.3.19 Lower Tuolumne River, Diazinon - Change in Total Size and Size Affected

Summary of Proposed Actions

The California Regional Water Quality Control Board, Central Valley Region, recommends changes to California's Clean Water Act Section 303(d) list for the impairment of the lower Tuolumne River due to impairment by diazinon. The Regional Board recommends that the identified total length change from 32 to 54 miles and the size affected from 32 to 42 miles. The basis for the recommended change is described below.

Watershed Characteristics

The lower Tuolumne River flows for approximately 54 miles, from New Don Pedro Dam and drains into the San Joaquin River west of Modesto. This sub-basin encompasses approximately 161,268 acres, of which 52,715 acres is used for agriculture.

Total Waterbody Length and Extent of Impairment

Topographic maps provided by the USGS indicate that the total length of the lower Tuolumne River is approximately 54 miles, from New Don Pedro Dam to San Joaquin River (USGS, 1958-2000). Chemical analysis of water samples and land use along the Tuolumne River (the presence of crops) indicate that the lower 42 miles (from Turlock Lake State Park to the San Joaquin River) is impaired by diazinon.