

Sacramento River Watershed Program

Field Sampling Event 054

Field Log

August 2006



PACIFIC ECORISK
ENVIRONMENTAL CONSULTING & TESTING

Claus Suverkropp	Larry Walker Associates		Monitoring Program Manager	509 4th Street Davis, CA 95616	W: 530-753-6400 x 233 H: 530-668-1278 Cell: 530-383-3705 Fax: 530-753-7030
Stephen Clark	Pacific EcoRisk			835 Arnold Dr. Suite 014 Martinez, CA 94553	925-313-8080, x17
Chris Glover		Chum Creek	GIS Specialist/Watershed Project Coordinator Western Shasta RCD	6270 Parallel Rd Anderson, CA 96007	W: 530-365-7332, x203 C: 530-227-7982
Todd Albertson	Caltest			1885 North Kelly Rd. Napa, CA 94558	W: 707-258-4000 Fa: 707-226-1001 Cell: 707-333-1615
Misty Mercier	CRG			2020 Del Amo Blvd., Suite 200 Torrance, CA 90501	W: 310-533-5190 x106 Cell: 310-420-4290
Cynthia Heeb	APPL			42003 W. Swift Fresno, CA 93722	W: 559-275-2175 Fax: 559-275-4422
PER F-150 Cell					925-270-5554
Ed's PER cell					925-270-5557
Staff Van					925-270-5552
Stephen's PER Cell					925-270-5553

Event 054 Samples Collected by PER North

Churn Creek at Knighton Road					CHKNT
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
<input checked="" type="checkbox"/> 054-CHKNT-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-CHKNT-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-CHKNT-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-CHKNT-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-CHKNT-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-CHKNT-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-CHKNT-WE1	TOC	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-CHKNT-WE1	DOC and UVA254	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-CHKNT-WE1	OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental	1		CRG
<input checked="" type="checkbox"/> 054-CHKNT-WE1	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1		APPL
<input checked="" type="checkbox"/> 054-CHKNT-WE1	E. coli	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-CHKNT-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ CHKNT samples ▲					
Sacramento River below Keswick					SRBKR
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
<input checked="" type="checkbox"/> 054-SRBKR-WE1	OP pesticides (EPA625m)	Environmental	1		CRG
<input checked="" type="checkbox"/> 054-SRBKR-WE1	E. coli	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRBKR-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ SRBKR samples ▲					
Sacramento River above Bend Bridge					SRABB
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
<input checked="" type="checkbox"/> 054-SRABB-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRABB-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRABB-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRABB-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRABB-WE1	TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRABB-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRABB-WE1	TOC	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRABB-WE1	DOC and UVA254	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRABB-WE1	E. coli	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRABB-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ SRABB samples ▲					

Event 054 Samples Collected by PER North

Sacramento River near Hamilton City					SRHAM
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
054-SRHAM-WE1	Total Hg, filtered	Environmental	1		Caltest
054-SRHAM-WE1	Total Hg, unfiltered	Environmental	1		Caltest
054-SRHAM-WE1	Methyl Hg, filtered	Environmental	1		Caltest
054-SRHAM-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
054-SRHAM-WE1	TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	1		Caltest
054-SRHAM-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
054-SRHAM-WE1	TOC	Environmental	1		Caltest
054-SRHAM-WE1	DOC and UVA254	Environmental	1		Caltest
054-SRHAM-WE1	OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental	1		CRG
054-SRHAM-WE1	E. coli	Environmental	1		Caltest
054-SRHAM-WE1 Aquatic tox, 3 species					

Sacramento River at Colusa					SRCOL
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
054-SRCOL-WB1	Total Hg, unfiltered	Field Blank	1	Field Blank	Caltest
054-SRCOL-WB1	Methyl Hg, unfiltered	Field Blank	1	Field Blank	Caltest
054-SRCOL-WB1	Dissolved Ortho-Phosphate	Field Blank	1	Field Blank	Caltest
054-SRCOL-WB1	NO3+NO2, TKN and Total P	Field Blank	1	Field Blank	Caltest
054-SRCOL-WB1	TOC	Field Blank	1	Field Blank	Caltest
054-SRCOL-WB1	OPs, & pyrethroids (EPA625m)	Field Blank	1	Field Blank	CRG
054-SRCOL-WB1	E. coli	Field Blank	1	Field Blank	Caltest
054-SRCOL-WE1	Total Hg, filtered	Environmental	1		Caltest
054-SRCOL-WE1	Total Hg, unfiltered	Environmental	1		Caltest
054-SRCOL-WE1	Methyl Hg, filtered	Environmental	1		Caltest
054-SRCOL-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
054-SRCOL-WE1	TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	1		Caltest
054-SRCOL-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
054-SRCOL-WE1	TOC	Environmental	1		Caltest
054-SRCOL-WE1	DOC and UVA254	Environmental	1		Caltest
054-SRCOL-WE1	OPs, & pyrethroids (EPA625m)	Environmental	1		CRG
054-SRCOL-WE1	E. coli	Environmental	1		Caltest
054-SRCOL-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ SRCOL samples ▲					

Colusa Basin Drain above KL					COLDR
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
054-COLDR-WB1	Carbamates, urea pesticides (L-L EPA 632/8321)	Field Blank	1	Field Blank	APPL
054-COLDR-WE1	Total Hg, filtered	Environmental	1		Caltest
054-COLDR-WE1	Total Hg, unfiltered	Environmental	1		Caltest
054-COLDR-WE1	Methyl Hg, filtered	Environmental	1		Caltest
054-COLDR-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
054-COLDR-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1		Caltest
054-COLDR-WE1	TOC	Environmental	1		Caltest
054-COLDR-WE1	DOC and UVA254	Environmental	1		Caltest
054-COLDR-WE1	OPs, pyrethroids, & OCs (EPA625m)	Environmental	1		CRG
054-COLDR-WE1	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1		APPL
054-COLDR-WE1	E. coli	Environmental	1		Caltest
054-COLDR-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ COLDR samples ▲					

Event 054 Samples Collected by PER North

Sacramento Slough					SACSL
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
054-SACSL-WE1	Total Hg, filtered	Environmental	1		Caltest
054-SACSL-WE1	Total Hg, unfiltered	Environmental	1		Caltest
054-SACSL-WE2	Total Hg, filtered	Environmental	2	Field Duplicate	Caltest
054-SACSL-WE1	Methyl Hg, filtered	Environmental	1		Caltest
054-SACSL-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
054-SACSL-WE2	Methyl Hg, filtered	Environmental	2	Field Duplicate	Caltest
054-SACSL-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1		Caltest
054-SACSL-WE2	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	2	Field Duplicate	Caltest
054-SACSL-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
054-SACSL-WE2	NO3+NO2, TKN and Total P	Environmental	2	Field Duplicate	Caltest
054-SACSL-WE1	TOC	Environmental	1		Caltest
054-SACSL-WE1	DOC and UVA254	Environmental	1		Caltest
054-SACSL-WE2	DOC and UVA254	Environmental	2	Field Duplicate	Caltest
054-SACSL-WE1	OPs, pyrethroids, & OCs (EPA625m)	Environmental	1		CRG
054-SACSL-WE2	OPs, pyrethroids, & OCs (EPA625m)	Environmental	2	Field Duplicate	CRG
054-SACSL-WE1	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1	MS/MSD	APPL
054-SACSL-WE1	E. coli	Environmental	1		Caltest
054-SACSL-WE1	Aquatic toxicity, 3 species	Environmental	1	Lab Duplicate	PER

▲ SACSL samples ▲

Yuba River at Marysville					YRMRY
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
054-YRMRY-WE1	Total Hg, filtered	Environmental	1		Caltest
054-YRMRY-WE1	Total Hg, unfiltered	Environmental	1		Caltest
054-YRMRY-WE1	Methyl Hg, filtered	Environmental	1		Caltest
054-YRMRY-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
054-YRMRY-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1		Caltest
054-YRMRY-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
054-YRMRY-WE1	TOC	Environmental	1		Caltest
054-YRMRY-WE1	DOC and UVA254	Environmental	1		Caltest
054-YRMRY-WE1	OPs, & pyrethroids (EPA625m)	Environmental	1		CRG
054-YRMRY-WE1	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1		APPL
054-YRMRY-WE1	E. coli	Environmental	1		Caltest
054-YRMRY-WE1	Aquatic toxicity, 3 species	Environmental	1		PER

▲ YRMRY samples ▲

Feather River near Nicolaus					FRNIC
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
054-FRNIC-WE1	Total Hg, filtered	Environmental	1		Caltest
054-FRNIC-WE1	Total Hg, unfiltered	Environmental	1		Caltest
054-FRNIC-WE1	Methyl Hg, filtered	Environmental	1		Caltest
054-FRNIC-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
054-FRNIC-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1		Caltest
054-FRNIC-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
054-FRNIC-WE1	TOC	Environmental	1		Caltest
054-FRNIC-WE1	DOC and UVA254	Environmental	1		Caltest
054-FRNIC-WE1	OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental	1		CRG
054-FRNIC-WE1	E. coli	Environmental	1		Caltest
054-FRNIC-WE1	Aquatic toxicity, 3 species	Environmental	1		PER

▲ FRNIC samples ▲

Event 054 Samples Collected by PER North

Sacramento River at Veterans Bridge					SRVET
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
<input checked="" type="checkbox"/> 054-SRVET-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRVET-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRVET-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRVET-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRVET-WE1	Sulfate, TSS	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRVET-WE2	Sulfate, TSS	Environmental	2	Field Duplicate	Caltest
<input checked="" type="checkbox"/> 054-SRVET-WE1	OPs, pyrethroids, & triazines (EPA625m)	Environmental	1	MS/MSD	CRG
<input checked="" type="checkbox"/> 054-SRVET-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ SRVET samples ▲					

American River at Discovery Park					ARDPK
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
<input checked="" type="checkbox"/> 054-ARDPK-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-ARDPK-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-ARDPK-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-ARDPK-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-ARDPK-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ ARDPK samples ▲					

Sacramento River at Freeport					SRFPT
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
<input checked="" type="checkbox"/> 054-SRFPT-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRFPT-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRFPT-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRFPT-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRFPT-WE1	Sulfate, TSS	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRFPT-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ SRFPT samples ▲					

Event 054 Samples Collected by PER North

Sacramento River at River Mile 44					SRRMF
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
<input checked="" type="checkbox"/> 054-SRRMF-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRRMF-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRRMF-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRRMF-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 054-SRRMF-WE1	Sulfate, TSS	Environmental	1		Caltest
▲ SRRMF samples ▲					

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Reference

GPS Readings

Site: Churn Creek at Knighton Road

Latitude: 40.5082

40.30.5765.89

Longitude: -122.3162

-122.15.445.3167

Personnel: Dan Cantner / Quang Do

Date: 8/12/06

Arrival Time: 1350

Field Measured Data

Time (PST)

Temp (°C)

pH

D. O. (mg/L)

EC (µS)

Midchannel
Depth (ft)

1430

24.9

7.26

10.9

159

0.5'

Flow Data

Wet channel width (ft): 12'

Stage (units): H/A

Flow and Depth recordings	Velocity	Distance from right bank		Depth	Velocity
<u>0.1</u>	<u><0.1</u>	<u>1'</u>	<u>6'</u>	<u>0.25</u>	<u><0.1</u>
<u>0.1</u>	<u><0.1</u>	<u>2'</u>	<u>7'</u>	<u>0.25</u>	<u>0.14</u>
<u>0.1</u>	<u><0.1</u>	<u>3'</u>	<u>8'</u>	<u>0.3</u>	<u><0.1</u>
<u>0.1</u>	<u><0.1</u>	<u>4'</u>	<u>9'</u>	<u>0.35</u>	<u><0.1</u>
<u>0.2</u>	<u><0.1</u>	<u>5'</u>	<u>10'</u>	<u>0.6</u>	<u><0.1</u>
		<u>11'</u>		<u>0.7'</u>	<u>0.2</u>

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-CHKNT-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	0.25	
054-CHKNT-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	0.25	
054-CHKNT-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	0.25	
054-CHKNT-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	0.25	
054-CHKNT-WE1	CONV15	Polyethylene, 2 L [1] none	0.25	
054-CHKNT-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	0.25	
054-CHKNT-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	0.05	PTC
054-CHKNT-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	0.05	PTC
054-CHKNT-WE1	PEST15	Amber Glass, 1 L [2] none	0.25	
054-CHKNT-WE1	PEST20	Amber Glass, 1 L [2] none	0.25	
054-CHKNT-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	PTC
054-CHKNT-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	0.25	

Time at Completion of Sampling: 15:14

Sampling Crew: PER North

Additional Notes or Comments:

Channel is filled with rooted emergent vegetation. Stream bottom is covered with 99% algae.

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Reference

GPS Readings 40.6012

Site: Sacramento River below Keswick

Latitude: 40.6011167

Longitude: -122.443333

Personnel: Drew Cantina/Quany Do

Date: 8/22/06

Arrival Time: 12:15

Field Measured Data

Time (PST)

Temp (°C)

pH

D. O. (mg/L)

EC (µS)

Midchannel
Depth (ft)

13:00

10.35

6.57

11.1

100

N/A

Flow Data

Wet channel width (ft): 150'

Stage (units): N/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-SRBKR-WE1	PEST10	Amber Glass, 1 L [2] none	<u>3'</u>	
054-SRBKR-WE1	BACT10	Polyethylene, 125 mL [1] none	<u>0.05</u>	<u>DTC</u>
054-SRBKR-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	<u>3'</u>	

Time at Completion of Sampling: 13:20

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Reference

GPS Readings

Site: Sacramento River above Bend Bridge

Latitude: 40.2886167

Longitude: -122.18555

Arrival Time: 16:00

Personnel: Drew Cantner / Quang Do

Date: 8/22/06

Field Measured Data

Time (PST)

Temp (°C)

pH

D. O. (mg/L)

EC (µS)

Midchannel
Depth (ft)

16:45

13.0

7.57

12.34

101

7.0

Flow Data

Wet channel width (ft): 165 yds = 495'

Stage (units): N/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-SRABB-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	3'	
054-SRABB-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	3'	
054-SRABB-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	3'	
054-SRABB-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	3'	
054-SRABB-WE1	CONV16	Polyethylene, 2 L [1] none	3'	
054-SRABB-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	3'	
054-SRABB-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	0.05	DTC
054-SRABB-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	0.05	DTC
054-SRABB-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	DTC
054-SRABB-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	3'	

Time at Completion of Sampling: 1648

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: Sacramento River near Hamilton City Reference: 39.752 GPS Readings: 39.7546
Latitude: 39.752 Longitude: -121.994 122.0002
Personnel: Drew Cantner / Quang Do Date: 8/22/06 Arrival Time: 18:00

Field Measured Data

Time (PST) 1830 Temp (°C) 15.8 pH 7.58 D. O. (mg/L) 11.9 EC (µS) 108 Midchannel Depth (ft) 5.9

Flow Data

Wet channel width (ft): 190'

Stage (units): N/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-SRHAM-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	1.5'	
054-SRHAM-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	1.5'	
054-SRHAM-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	1.5	
054-SRHAM-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	1.5	
054-SRHAM-WE1	CONV16	Polyethylene, 2 L [1] none	1.5	
054-SRHAM-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	1.5	
054-SRHAM-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	0.05	DTC
054-SRHAM-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	0.05	DTC
054-SRHAM-WE1	PEST15	Amber Glass, 1 L [2] none	1.5	
054-SRHAM-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	DTC
054-SRHAM-WE1	ATOX 30	PTFE lined PE 5gal (1)	1.5	

Time at Completion of Sampling: 19:10

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Reference

GPS Readings 39.2152

Site: Sacramento River at Colusa

Latitude: 39.2141667

N 39° 12' 40.3" W

Longitude: -121.999167

W 121° 59' 17.6" E 122.0023

Personnel: Quang Do / Lance Haines

Date: 8/23/06

Arrival Time: 8:30

Field Measured Data

Time (PST)

Temp (°C)

pH

D. O. (mg/L)

EC (µS)

Midchannel
Depth (ft)

9:30

17.4

7.41

10.1

119

11.0

Flow Data

Wet channel width (ft): 327'

Stage (units): N/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-SRCOL-WB1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	N/A	Field Blank
054-SRCOL-WB1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	N/A	Field Blank
054-SRCOL-WB1	CONV12	Polyethylene, 500 mL [1] none	N/A	Field Blank
054-SRCOL-WB1	CONV40	Polyethylene, 0.5 L [1] H2SO4	N/A	Field Blank
054-SRCOL-WB1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	N/A	Field Blank
054-SRCOL-WB1	PEST17	Amber Glass, 1 L [2] none	N/A	Field Blank
054-SRCOL-WB1	BACT10	Polyethylene, 125 mL [1] none	N/A	Field Blank
054-SRCOL-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	2.5	
054-SRCOL-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	2.5	
054-SRCOL-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	2.5	
054-SRCOL-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	2.5	
054-SRCOL-WE1	CONV16	Polyethylene, 2 L [1] none	2.5	
054-SRCOL-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	2.5	
054-SRCOL-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	0.05	OTC
054-SRCOL-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	0.05	OTC
054-SRCOL-WE1	PEST17	Amber Glass, 1 L [2] none	2.5	
054-SRCOL-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	OTC
054-SRCOL-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	2.5	

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: Sacramento River at Colusa Reference: 39.2141667 GPS Readings: 43°12'40" N 122°00'13" W 39.2152
Latitude: 39.2141667 Longitude: -121.999167 122.0023
Personnel: Quang Do/Lance Haines Date: 8/23/2006 Arrival Time: 8:30

Field Measured Data

Time (PST)	Temp (°C)	pH	D. O. (mg/L)	EC (µS)	Midchannel Depth (ft)
9:30	17.4	7.41	10.1	119	11.0

Flow Data

Wet channel width (ft): 327 Stage (units): N/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES

Time at Completion of Sampling: 11:15

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Reference

GPS Readings

Site: Colusa Basin Drain above KL

Latitude: 38.8120667

39° 48.714' N 121° 46.451' W 38.8119 121.7742

Longitude: -121.774083

Personnel: Quang Do / Lance Haines Date: 8/23/2006 Arrival Time: 1515

Field Measured Data

Time (PST)

Temp (°C)

pH

D. O. (mg/L)

EC (µS)

Midchannel
Depth (ft)

15:45

27.8

7.58

6.18

494

unknown

Flow Data

Wet channel width (ft): 123'

Stage (units): N/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-COLDR-WB1	PEST20	Amber Glass, 1 L [2] none	<u>N/A</u>	Field Blank
054-COLDR-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	<u>2.5'</u>	
054-COLDR-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	<u>2.5'</u>	
054-COLDR-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	<u>2.5'</u>	
054-COLDR-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	<u>2.5'</u>	
054-COLDR-WE1	CONV15	Polyethylene, 2 L [1] none	<u>2.5'</u>	
054-COLDR-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	<u>0.05</u>	<u>OTC</u>
054-COLDR-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	<u>0.05</u>	<u>OTC</u>
054-COLDR-WE1	PEST16	Amber Glass, 1 L [2] none	<u>2.5'</u>	
054-COLDR-WE1	PEST20	Amber Glass, 1 L [2] none	<u>2.5'</u>	
054-COLDR-WE1	BACT10	Polyethylene, 125 mL [1] none	<u>0.05</u>	<u>OTC</u>
054-COLDR-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	<u>2.5'</u>	

Time at Completion of Sampling: 1600

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: Sacramento Slough Reference: 38.783333 GPS Readings: 38.7827
Latitude: 38.783333 Longitude: -121.63375 121.6356
Personnel: Quang Do / Lance Haines Date: 8/24/06 Arrival Time: 1155

Field Measured Data

Time (PST) 12:00 Temp (°C) 22.9 pH 7.38 D. O. (mg/L) 6.8 EC (µS) 351 Midchannel Depth (ft) 16.9

Flow Data

Wet channel width (ft): 34 yds = 102 ft Stage (units): N/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-SACSL-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	2.5	
054-SACSL-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	2.5	
054-SACSL-WE2	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	2.5	Field Duplicate
054-SACSL-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	2.5	
054-SACSL-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	2.5	
054-SACSL-WE2	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	2.5	Field Duplicate
054-SACSL-WE1	CONV15	Polyethylene, 2 L [1] none	2.85	
054-SACSL-WE2	CONV15	Polyethylene, 2 L [1] none	2.5	Field Duplicate
054-SACSL-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	2.5	
054-SACSL-WE2	CONV40	Polyethylene, 0.5 L [1] H2SO4	2.5	Field Duplicate
054-SACSL-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	0.05	DTC
054-SACSL-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	0.05	DTC
054-SACSL-WE2	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	0.05	Field Duplicate
054-SACSL-WE1	PEST16	Amber Glass, 1 L [2] none	2.5	
054-SACSL-WE2	PEST16	Amber Glass, 1 L [2] none	2.5	Field Duplicate
054-SACSL-WE1	PEST20	Amber Glass, 1 L [6] none	2.5	MS/MSD
054-SACSL-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	DTC
054-SACSL-WE1	ATOX30	PTFE-lined PE, 5 Gal [2] none	2.5	Lab Duplicate

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: Sacramento Slough Reference: 38.7833333 GPS Readings: 38°46.962' N 121°58.134' W ⁷⁸²⁷
 Latitude: 38.7833333 Longitude: -121.63375 ^{38.7743}
 Personnel: Quang Do / Lance Haines Date: 8/24/06 Arrival Time: 11:55 ^{121.6356}

Field Measured Data

Time (PST) 12:00 Temp (°C) 22.9 pH 7.38 D. O. (mg/L) 6.8 EC (µS) 351 Midchannel Depth (ft) 16.9

Flow Data

Wet channel width (ft): 34 yds = 102 ft

Stage (units): N/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES

Time at Completion of Sampling: 12:45

Sampling Crew: PER North

Additional Notes or Comments:

(St)	Depth	TRANSECT	Velocity
1	6.4	3.2	1.23
2	6.8	3.4	1.44
3	9.7	4	1.29
4	9.7	4.8	1.41
5	12.5	6.25	1.44
6	14.7	7.35	1.49
7	15.5	7.75	1.64
8	16.3	8.15	1.56
9	16.5	8.25	1.54
10	16.9	8.45	1.25
11	15.7	7.8	1.27
12	15.8	7.9	1.32
13	16.7	8.3	1.38
14	11.7	5.8	1.14
15	11.7	5.8	1.18
16	12.5	6.25	1.37
17	14.4	7.2	1.14
18	17.2	6.1	1.32
19	13.5	6.75	1.17
20	10.5	5.25	0.93

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: Yuba River at Marysville Reference: 39.144445 GPS Readings: N 39° 08' 52.4" 39.1421
 Latitude: 39.144445 Longitude: -121.576388 W 121° 34' 56.8" 121.5760
 Personnel: Lance Haines / Quang Do Date: 8/23/06 Arrival Time: 1250

Field Measured Data

Time (PST) 13:00 Temp (°C) 16.9 pH 7.54 D. O. (mg/L) 10.4 EC (µS) 81 Midchannel Depth (ft) unknown

Flow Data

Wet channel width (ft): 213' Stage (units): N/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-YRMRY-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	1.5'	
054-YRMRY-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	1.5'	
054-YRMRY-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	1.5'	
054-YRMRY-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	1.5'	
054-YRMRY-WE1	CONV15	Polyethylene, 2 L [1] none	1.5'	
054-YRMRY-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	1.5'	
054-YRMRY-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	0.05	DTC
054-YRMRY-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	0.05	DTC
054-YRMRY-WE1	PEST17	Amber Glass, 1 L [2] none	1.5'	
054-YRMRY-WE1	PEST20	Amber Glass, 1 L [2] none	1.5'	
054-YRMRY-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	DTC
054-YRMRY-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	1.5'	

Time at Completion of Sampling: 1410

Sampling Crew: PER North

Additional Notes or Comments:

water recedes to the middle of channel

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: Feather River near Nicolaus Reference: 38.903 GPS Readings: 38.7935
Latitude: 38.903 Longitude: -121.586167 -121.57.717 121.6299
Personnel: Quang Do / Lance Haines Date: 8/24/2006 Arrival Time: 10:30

Field Measured Data

Time (PST) 11:00 Temp (°C) 21.1 pH 7.13 D. O. (mg/L) 8.8 EC (µS) 86 Midchannel Depth (ft) 3.7

Flow Data

Wet channel width (ft): 543' Stage (units): N/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-FRNIC-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	1.5	
054-FRNIC-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	1.5	
054-FRNIC-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	1.5	
054-FRNIC-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	1.5	
054-FRNIC-WE1	CONV15	Polyethylene, 2 L [1] none	1.5	
054-FRNIC-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	1.5	
054-FRNIC-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	0.05	DTC
054-FRNIC-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	0.05	DTC
054-FRNIC-WE1	PEST15	Amber Glass, 1 L [2] none	1.5	
054-FRNIC-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	DTC
054-FRNIC-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	1.5	

Time at Completion of Sampling: 11:16

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: Sacramento River at Veterans Bridge

Reference: 38.6746833 GPS Readings: 38° 40' 48.2" N 121° 37' 6.8" W 38.6747 121.6280

Latitude: Longitude: -121.627517

Personnel: Quang Do / Lance Haines Date: 8/23/06 Arrival Time: 16:48

Field Measured Data

Time (PST) 1715 Temp (°C) 20.9 pH 7.63 D. O. (mg/L) 9.2 EC (µS) 163 Midchannel Depth (ft) 14.0

Flow Data

Wet channel width (ft): 513' Stage (units): n/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-SRVET-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	3'	
054-SRVET-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	3'	
054-SRVET-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	3'	
054-SRVET-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	3'	
054-SRVET-WE1	CONV14	Polyethylene, 500 mL [1] none	3'	
054-SRVET-WE2	CONV14	Polyethylene, 500 mL [1] none	3'	Field Duplicate
054-SRVET-WE1	PEST14	Amber Glass, 1 L [6] none	3'	MS/MSD
054-SRVET-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	3'	

Time at Completion of Sampling: 18:00

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: American River at Discovery Park Reference: 38.60195 GPS Readings: ~~38.60195~~ 38.6015
 Latitude: 38.60195 Longitude: -121.501117 ~~121.501117~~ 121.5014
 Personnel: Quang Do / Lance Haines Date: 8/23/2006 Arrival Time: 1900

Field Measured Data

Time (PST) 1930 Temp (°C) 18.1 pH 7.21 D. O. (mg/L) 9.8 EC (µS) 42 Midchannel Depth (ft) 8.5

Flow Data

Wet channel width (ft): 447' Stage (units): N/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-ARDPK-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	3	
054-ARDPK-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	3	
054-ARDPK-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	3	
054-ARDPK-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	3	
054-ARDPK-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	3	

Time at Completion of Sampling: 20:00

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: Sacramento River at Freeport Reference: 38.45815 GPS Readings: ~~38.45815~~ 38.4603
 Latitude: 38.45815 Longitude: -121.502633 ~~-121.502633~~ -121.5031
 Personnel: Quang Do / Lance Haines Date: 8/24/06 Arrival Time: 13:55

Field Measured Data

Time (PST) 14:00 Temp (°C) 21.1 pH 7.49 D. O. (mg/L) 8.9 EC (µS) 152 Midchannel Depth (ft) 23.0

Flow Data

Wet channel width (ft): 624' Stage (units): 28

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-SRFPT-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	<u>3</u>	
054-SRFPT-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	<u>3</u>	
054-SRFPT-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	<u>3</u>	
054-SRFPT-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	<u>3</u>	
054-SRFPT-WE1	CONV14	Polyethylene, 500 mL [1] none	<u>3</u>	
054-SRFPT-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	<u>3</u>	

Time at Completion of Sampling: 14:45

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Reference

GPS Readings

Site: Sacramento River at River Mile 44

Latitude: 38.43467

38° 26' 10" 38.4352

Longitude: -121.519167

-121° 31' 21" -121.5212

Personnel: Lance Haines / Quang Do Date: 8/24/06 Arrival Time: 1315

Field Measured Data

Time (PST)

Temp (°C)

pH

D. O. (mg/L)

EC (µS)

Midchannel
Depth (ft)

13:30

21.0

7.53

8-7

154

24.3

Flow Data

Wet channel width (ft): 471'

Stage (units): N/A

Flow and Depth recordings

Samples Collected (all sample collection time set to Field Measured Data start time)

Sample ID	Analysis Group	Container Type [#/sample] preservative	Sample Depth (ft)	NOTES
054-SRRMF-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	<u>3</u>	
054-SRRMF-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	<u>3</u>	
054-SRRMF-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	<u>3</u>	
054-SRRMF-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	<u>3</u>	
054-SRRMF-WE1	CONV14	Polyethylene, 500 mL [1] none	<u>3</u>	

Time at Completion of Sampling: 1350

Sampling Crew: PER North

Additional Notes or Comments:

Samples Analyzed by APPL

Samples Collected by PER North

Sample ID	Site Description	Analyte Group	Sample Type & Rep	QA Info
<input checked="" type="checkbox"/> 054-CHKNT-WE1	Chum Creek at Knighton Road	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental 1	
<input checked="" type="checkbox"/> 054-COLDR-WB1	Colusa Basin Drain above KL	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Field Blank 1	Field Blank
<input checked="" type="checkbox"/> 054-COLDR-WE1	Colusa Basin Drain above KL	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental 1	
<input checked="" type="checkbox"/> 054-SACSL-WE1	Sacramento Slough	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental 1	MS/MSD
<input checked="" type="checkbox"/> 054-YRMRY-WE1	Yuba River at Marysville	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental 1	

COC Analysis Notes for APPL:

Samples Analyzed by Caltest

Samples Collected by PER North

Sample ID	Site Description	Analyte Group	Sample Type & Rep	QA Info
054-CHKNT-WE1	Chum Creek at Knighton Road	HGTF11 Total Hg, filtered	Environmental	1
054-CHKNT-WE1	Chum Creek at Knighton Road	HGTU12 Total Hg, unfiltered	Environmental	1
054-CHKNT-WE1	Chum Creek at Knighton Road	HGMF11 Methyl Hg, filtered	Environmental	1
054-CHKNT-WE1	Chum Creek at Knighton Road	HGMU12 Methyl Hg, unfiltered	Environmental	1
054-CHKNT-WE1	Chum Creek at Knighton Road	CONV15 TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1
054-CHKNT-WE1	Chum Creek at Knighton Road	CONV40 NO3+NO2, TKN and Total P	Environmental	1
054-CHKNT-WE1	Chum Creek at Knighton Road	CONV22 TOC	Environmental	1
054-CHKNT-WE1	Chum Creek at Knighton Road	CONV23 DOC and UVA254	Environmental	1
054-CHKNT-WE1	Chum Creek at Knighton Road	BACT10 E. coli	Environmental	1
054-SRBKR-WE1	Sacramento River below Keswick	BACT10 E. coli	Environmental	1
054-SRABB-WE1	Sacramento River above Bend Bridge	HGTF11 Total Hg, filtered	Environmental	1
054-SRABB-WE1	Sacramento River above Bend Bridge	HGTU12 Total Hg, unfiltered	Environmental	1
054-SRABB-WE1	Sacramento River above Bend Bridge	HGMF11 Methyl Hg, filtered	Environmental	1
054-SRABB-WE1	Sacramento River above Bend Bridge	HGMU12 Methyl Hg, unfiltered	Environmental	1
054-SRABB-WE1	Sacramento River above Bend Bridge	CONV16 TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	1
054-SRABB-WE1	Sacramento River above Bend Bridge	CONV40 NO3+NO2, TKN and Total P	Environmental	1
054-SRABB-WE1	Sacramento River above Bend Bridge	CONV22 TOC	Environmental	1
054-SRABB-WE1	Sacramento River above Bend Bridge	CONV23 DOC and UVA254	Environmental	1
054-SRABB-WE1	Sacramento River above Bend Bridge	BACT10 E. coli	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	HGTF11 Total Hg, filtered	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	HGTU12 Total Hg, unfiltered	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	HGMF11 Methyl Hg, filtered	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	HGMU12 Methyl Hg, unfiltered	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	CONV16 TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	CONV40 NO3+NO2, TKN and Total P	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	CONV22 TOC	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	CONV23 DOC and UVA254	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	BACT10 E. coli	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	HGTF11 Total Hg, filtered	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	HGTU12 Total Hg, unfiltered	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	HGMF11 Methyl Hg, filtered	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	HGMU12 Methyl Hg, unfiltered	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	CONV16 TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	CONV40 NO3+NO2, TKN and Total P	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	CONV22 TOC	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	CONV23 DOC and UVA254	Environmental	1
054-SRHAM-WE1	Sacramento River near Hamilton City	BACT10 E. coli	Environmental	1
054-SR行为-WE1	Sacramento River at Colusa	HGTF11 Total Hg, unfiltered	Field Blank	1
054-SR行为-WE1	Sacramento River at Colusa	HGMU12 Methyl Hg, unfiltered	Field Blank	1
054-SR行为-WE1	Sacramento River at Colusa	CONV12 Dissolved Ortho-Phosphate	Field Blank	1
054-SR行为-WE1	Sacramento River at Colusa	CONV40 NO3+NO2, TKN and Total P	Field Blank	1
054-SR行为-WE1	Sacramento River at Colusa	CONV22 TOC	Field Blank	1

Samples Analyzed by Caltest

Samples Collected by PER North

Sample ID	Site Description	Analyte Group	Sample Type & Rep	QA Info
054-SRCOL-WB1	Sacramento River at Colusa	BACT10 E. coli	Field Blank 1	Field Blank
054-SRCOL-WE1	Sacramento River at Colusa	HGTF11 Total Hg, filtered	Environmental 1	
054-SRCOL-WE1	Sacramento River at Colusa	HGTU12 Total Hg, unfiltered	Environmental 1	
054-SRCOL-WE1	Sacramento River at Colusa	HGMF11 Methyl Hg, filtered	Environmental 1	
054-SRCOL-WE1	Sacramento River at Colusa	HGMU12 Methyl Hg, unfiltered	Environmental 1	
054-SRCOL-WE1	Sacramento River at Colusa	CONV16 TSS, Turbidity, Dis. Ortho-P, Sulfate	Environmental 1	
054-SRCOL-WE1	Sacramento River at Colusa	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
054-SRCOL-WE1	Sacramento River at Colusa	CONV22 TOC	Environmental 1	
054-SRCOL-WE1	Sacramento River at Colusa	CONV23 DOC and UVA254	Environmental 1	
054-SRCOL-WE1	Sacramento River at Colusa	BACT10 E. coli	Environmental 1	
054-COLDR-WE1	Colusa Basin Drain above KL	HGTF11 Total Hg, filtered	Environmental 1	
054-COLDR-WE1	Colusa Basin Drain above KL	HGTU12 Total Hg, unfiltered	Environmental 1	
054-COLDR-WE1	Colusa Basin Drain above KL	HGMF11 Methyl Hg, filtered	Environmental 1	
054-COLDR-WE1	Colusa Basin Drain above KL	HGMU12 Methyl Hg, unfiltered	Environmental 1	
054-COLDR-WE1	Colusa Basin Drain above KL	CONV15 TSS, Turbidity, Dis. Ortho-P	Environmental 1	
054-COLDR-WE1	Colusa Basin Drain above KL	CONV22 TOC	Environmental 1	
054-COLDR-WE1	Colusa Basin Drain above KL	CONV23 DOC and UVA254	Environmental 1	
054-COLDR-WE1	Colusa Basin Drain above KL	BACT10 E. coli	Environmental 1	
054-SACSL-WE2	Sacramento Slough	HGTF11 Total Hg, filtered	Environmental 2	Field Duplicate
054-SACSL-WE1	Sacramento Slough	HGTF11 Total Hg, filtered	Environmental 1	
054-SACSL-WE1	Sacramento Slough	HGTU12 Total Hg, unfiltered	Environmental 1	
054-SACSL-WE2	Sacramento Slough	HGMF11 Methyl Hg, filtered	Environmental 2	Field Duplicate
054-SACSL-WE1	Sacramento Slough	HGMF11 Methyl Hg, filtered	Environmental 1	
054-SACSL-WE1	Sacramento Slough	HGMU12 Methyl Hg, unfiltered	Environmental 1	
054-SACSL-WE2	Sacramento Slough	CONV15 TSS, Turbidity, Dis. Ortho-P	Environmental 2	Field Duplicate
054-SACSL-WE1	Sacramento Slough	CONV15 TSS, Turbidity, Dis. Ortho-P	Environmental 1	
054-SACSL-WE2	Sacramento Slough	CONV40 NO3+NO2, TKN and Total P	Environmental 2	Field Duplicate
054-SACSL-WE1	Sacramento Slough	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
054-SACSL-WE1	Sacramento Slough	CONV22 TOC	Environmental 1	
054-SACSL-WE2	Sacramento Slough	CONV23 DOC and UVA254	Environmental 2	Field Duplicate
054-SACSL-WE1	Sacramento Slough	CONV23 DOC and UVA254	Environmental 1	
054-SACSL-WE1	Sacramento Slough	BACT10 E. coli	Environmental 1	
054-YRMRY-WE1	Yuba River at Marysville	HGTF11 Total Hg, filtered	Environmental 1	

Samples Analyzed by Caltest

Samples Collected by PER North

Sample ID	Site Description	Analyte Group	Sample Type & Rep	QA Info
054-YRMRY-WE1	Yuba River at Marysville	HGTU12 Total Hg, unfiltered	Environmental 1	
054-YRMRY-WE1	Yuba River at Marysville	HGMF11 Methyl Hg, filtered	Environmental 1	
054-YRMRY-WE1	Yuba River at Marysville	HGMU12 Methyl Hg, unfiltered	Environmental 1	
054-YRMRY-WE1	Yuba River at Marysville	CONV15 TSS, TDS, Turbidity, Dis. Ortho-P	Environmental 1	
054-YRMRY-WE1	Yuba River at Marysville	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
054-YRMRY-WE1	Yuba River at Marysville	CONV22 TOC	Environmental 1	
054-YRMRY-WE1	Yuba River at Marysville	CONV23 DOC and UVA254	Environmental 1	
054-YRMRY-WE1	Yuba River at Marysville	BACT10 E. coli	Environmental 1	
054-FRNIC-WE1	Feather River near Nicolaus	HGTU12 Total Hg, filtered	Environmental 1	
054-FRNIC-WE1	Feather River near Nicolaus	HGTU12 Total Hg, unfiltered	Environmental 1	
054-FRNIC-WE1	Feather River near Nicolaus	HGMF11 Methyl Hg, filtered	Environmental 1	
054-FRNIC-WE1	Feather River near Nicolaus	HGMU12 Methyl Hg, unfiltered	Environmental 1	
054-FRNIC-WE1	Feather River near Nicolaus	CONV15 TSS, TDS, Turbidity, Dis. Ortho-P	Environmental 1	
054-FRNIC-WE1	Feather River near Nicolaus	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
054-FRNIC-WE1	Feather River near Nicolaus	CONV22 TOC	Environmental 1	
054-FRNIC-WE1	Feather River near Nicolaus	CONV23 DOC and UVA254	Environmental 1	
054-FRNIC-WE1	Feather River near Nicolaus	BACT10 E. coli	Environmental 1	
054-SRVET-WE1	Sacramento River at Veterans Bridge	HGTU12 Total Hg, filtered	Environmental 1	
054-SRVET-WE1	Sacramento River at Veterans Bridge	HGTU12 Total Hg, unfiltered	Environmental 1	
054-SRVET-WE1	Sacramento River at Veterans Bridge	HGMF11 Methyl Hg, filtered	Environmental 1	
054-SRVET-WE1	Sacramento River at Veterans Bridge	HGMU12 Methyl Hg, unfiltered	Environmental 1	
054-SRVET-WE1	Sacramento River at Veterans Bridge	CONV14 Sulfate, TSS	Environmental 1	
054-SRVET-WE2	Sacramento River at Veterans Bridge	CONV14 Sulfate, TSS	Environmental 2	Field Duplicate
054-ARDPK-WE1	American River at Discovery Park	HGTU12 Total Hg, filtered	Environmental 1	
054-ARDPK-WE1	American River at Discovery Park	HGTU12 Total Hg, unfiltered	Environmental 1	
054-ARDPK-WE1	American River at Discovery Park	HGMF11 Methyl Hg, filtered	Environmental 1	
054-ARDPK-WE1	American River at Discovery Park	HGMU12 Methyl Hg, unfiltered	Environmental 1	
054-SRFPT-WE1	Sacramento River at Freeport	HGTU12 Total Hg, filtered	Environmental 1	
054-SRFPT-WE1	Sacramento River at Freeport	HGTU12 Total Hg, unfiltered	Environmental 1	
054-SRFPT-WE1	Sacramento River at Freeport	HGMF11 Methyl Hg, filtered	Environmental 1	
054-SRFPT-WE1	Sacramento River at Freeport	HGMU12 Methyl Hg, unfiltered	Environmental 1	
054-SRFPT-WE1	Sacramento River at Freeport	CONV14 Sulfate, TSS	Environmental 1	
054-SRRMF-WE1	Sacramento River at River Mile 44	HGTU12 Total Hg, filtered	Environmental 1	

Samples Analyzed by Caltest

Samples Collected by PER North

Sample ID	Site Description	Analyte Group	Sample Type & Rep	QA Info
054-SRRMF-WE1	Sacramento River at River Mile 44	HGTU12 Total Hg, unfiltered	Environmental 1	
054-SRRMF-WE1	Sacramento River at River Mile 44	HGMF11 Methyl Hg, filtered	Environmental 1	
054-SRRMF-WE1	Sacramento River at River Mile 44	HGMU12 Methyl Hg, unfiltered	Environmental 1	
054-SRRMF-WE1	Sacramento River at River Mile 44	CONV14 Sulfate, TSS	Environmental 1	

COC Analysis Notes for Caltest:

Samples Analyzed by CRG

Samples Collected by PER North

Sample ID	Site Description	Analyte Group	Sample Type & Rep	QA Info
054-CHKNT-WE1	Chum Creek at Knighton Road	PEST15 OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental 1	
054-SRBKR-WE1	Sacramento River below Keswick	PEST10 OP pesticides (EPA625m)	Environmental 1	
054-SRHAM-WE1	Sacramento River near Hamilton City	PEST15 OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental 1	
054-SRCOL-WB1	Sacramento River at Colusa	PEST17 OPs, & pyrethroids (EPA625m)	Field Blank 1	Field Blank
054-SRCOL-WE1	Sacramento River at Colusa	PEST17 OPs, & pyrethroids (EPA625m)	Environmental 1	
054-COLDR-WE1	Colusa Basin Drain above KL	PEST16 OPs, pyrethroids, & OCs (EPA625m)	Environmental 1	
054-SACSL-WE2	Sacramento Slough	PEST16 OPs, pyrethroids, & OCs (EPA625m)	Environmental 2	Field Duplicate
054-SACSL-WE1	Sacramento Slough	PEST16 OPs, pyrethroids, & OCs (EPA625m)	Environmental 1	
054-YRMRY-WE1	Yuba River at Marysville	PEST17 OPs, & pyrethroids (EPA625m)	Environmental 1	
054-FRNIC-WE1	Feather River near Nicolaus	PEST15 OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental 1	
054-SRVET-WE1	Sacramento River at Veterans Bridge	PEST14 OPs, pyrethroids, & triazines (EPA625m)	Environmental 1	MSMSD

COC Analysis Notes for CRG:

Samples Analyzed by PER

Samples Collected by PER North

Sample ID	Site Description	Analyte Group	Sample Type & Rep	QA Info
054-CHKNT-WE1	Chum Creek at Knighton Road	ATOX30	Aquatic toxicity, 3 species	Environmental 1
054-SRBKR-WE1	Sacramento River below Keswick	ATOX30	Aquatic toxicity, 3 species	Environmental 1
054-SRABB-WE1	Sacramento River above Bend Bridge	ATOX30	Aquatic toxicity, 3 species	Environmental 1
054-SRCOL-WE1	Sacramento River at Colusa	ATOX30	Aquatic toxicity, 3 species	Environmental 1
054-COLDR-WE1	Colusa Basin Drain above KL	ATOX30	Aquatic toxicity, 3 species	Environmental 1
054-SACSL-WE1	Sacramento Slough	ATOX30	Aquatic toxicity, 3 species	Environmental 1
054-YRMRY-WE1	Yuba River at Marysville	ATOX30	Aquatic toxicity, 3 species	Environmental 1
054-FRNIC-WE1	Feather River near Nicolaus	ATOX30	Aquatic toxicity, 3 species	Environmental 1
054-SRVET-WE1	Sacramento River at Veterans Bridge	ATOX30	Aquatic toxicity, 3 species	Environmental 1
054-ARDPK-WE1	American River at Discovery Park	ATOX30	Aquatic toxicity, 3 species	Environmental 1
054-SRFPT-WE1	Sacramento River at Freeport	ATOX30	Aquatic toxicity, 3 species	Environmental 1

054-SRHH-WE1 Sacramento River at Hatfield Rd ATOX30 Aquatic toxicity, 3 species

COC Analysis Notes for PER: