

Sacramento River Watershed Program

Field Sampling Event 053

Field Log

July 2006



PACIFIC ECORISK
ENVIRONMENTAL CONSULTING & TESTING

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Event 053 Samples Collected by PER North

Churn Creek at Knighton Road						CHKNT
Sample ID	Analyte Group	Sample Type	Rep	QA		Lab
053-CHKNT-WB1	Total Hg, unfiltered	Field Blank	1	Field Blank		Caltest
053-CHKNT-WB1	Methyl Hg, unfiltered	Field Blank	1	Field Blank		Caltest
053-CHKNT-WB1	Dissolved Ortho-Phosphate	Field Blank	1	Field Blank		Caltest
053-CHKNT-WB1	NO3+NO2, TKN and Total P	Field Blank	1	Field Blank		Caltest
053-CHKNT-WB1	TOC	Field Blank	1	Field Blank		Caltest
053-CHKNT-WB1	E. coli	Field Blank	1	Field Blank		Caltest
053-CHKNT-WE1	Total Hg, filtered	Environmental	1			Caltest
053-CHKNT-WE1	Total Hg, unfiltered	Environmental	1			Caltest
053-CHKNT-WE1	Methyl Hg, filtered	Environmental	1			Caltest
053-CHKNT-WE1	Methyl Hg, unfiltered	Environmental	1			Caltest
053-CHKNT-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1			Caltest
053-CHKNT-WE1	NO3+NO2, TKN and Total P	Environmental	1			Caltest
053-CHKNT-WE1	TOC	Environmental	1			Caltest
053-CHKNT-WE1	DOC and UVA254	Environmental	1			Caltest
053-CHKNT-WE1	OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental	1			CRG
053-CHKNT-WE1	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1			APPL
053-CHKNT-WE1	E. coli	Environmental	1			Caltest
053-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
053-SRBKR-WE1	OP pesticides (EPA625m)	Environmental	1			CRG
053-SRBKR-WE1	E. coli	Environmental	1			Caltest
053-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
053-SRABB-WE1	Total Hg, filtered	Environmental	1			Caltest
053-SRABB-WE1	Total Hg, unfiltered	Environmental	1			Caltest
053-SRABB-WE1	Methyl Hg, filtered	Environmental	1			Caltest
053-SRABB-WE1	Methyl Hg, unfiltered	Environmental	1			Caltest
053-SRABB-WE1	TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate, UVA254	Environmental	1			Caltest
053-SRABB-WE1	NO3+NO2, TKN and Total P	Environmental	1			Caltest
053-SRABB-WE1	TOC	Environmental	1			Caltest
053-SRABB-WE1	DOC and UVA254	Environmental	1			Caltest
053-SRABB-WE1	E. coli	Environmental	1			Caltest
053-SRABB-WE1	Aquatic toxicity, 3 species	Environmental	1			PER

▲ SRABB samples ▲

Event 053 Samples Collected by PER North

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

Sacramento River at Colusa						SRCOL
Sample ID	Analyte Group	Sample Type	Rep	QA		Lab
053-SRCOL-WE1	Total Hg, filtered	Environmental	1			Caltest
053-SRCOL-WE1	Total Hg, unfiltered	Environmental	1			Caltest
053-SRCOL-WE1	Methyl Hg, filtered	Environmental	1			Caltest
053-SRCOL-WE1	Methyl Hg, unfiltered	Environmental	1			Caltest
053-SRCOL-WE1	TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate, UVA254	Environmental	1			Caltest
053-SRCOL-WE2	TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	2	Field Duplicate		Caltest
053-SRCOL-WE1	NO3+NO2, TKN and Total P	Environmental	1			Caltest
053-SRCOL-WE2	NO3+NO2, TKN and Total P	Environmental	2	Field Duplicate		Caltest
053-SRCOL-WE1	TOC	Environmental	1			Caltest
053-SRCOL-WE1	DOC and UVA254	Environmental	1			Caltest
053-SRCOL-WE2	DOC and UVA254	Environmental	2	Field Duplicate		Caltest
053-SRCOL-WE1	OPs, & pyrethroids (EPA625m)	Environmental	1			CRG
053-SRCOL-WE2	OPs, & pyrethroids (EPA625m)	Environmental	2	Field Duplicate		CRG
053-SRCOL-WE1	E. coli	Environmental	1			Caltest
053-SRCOL-WE1	Aquatic toxicity, 3 species	Environmental	1	Lab Duplicate		PER
▲ SRCOL samples ▲						

Colusa Basin Drain above KL						COLDR
Sample ID	Analyte Group	Sample Type	Rep	QA		Lab
053-COLDR-WE1	Total Hg, filtered	Environmental	1			Caltest
053-COLDR-WE1	Total Hg, unfiltered	Environmental	1			Caltest
053-COLDR-WE1	Methyl Hg, filtered	Environmental	1			Caltest
053-COLDR-WE1	Methyl Hg, unfiltered	Environmental	1			Caltest
053-COLDR-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1			Caltest
053-COLDR-WE1	TOC	Environmental	1			Caltest
053-COLDR-WE1	DOC and UVA254	Environmental	1			Caltest
053-COLDR-WE1	OPs, pyrethroids, & OCs (EPA625m)	Environmental	1			CRG
053-COLDR-WE1	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1			APPL
053-COLDR-WE2	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	2	Field Duplicate		APPL
053-COLDR-WE1	E. coli	Environmental	1			Caltest
053-COLDR-WE1	Aquatic toxicity, 3 species	Environmental	1			PER
▲ COLDR samples ▲						

Event 053 Samples Collected by PER North

Sacramento Slough					SACSL
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
<input checked="" type="checkbox"/> 053-SACSL-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SACSL-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SACSL-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SACSL-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SACSL-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SACSL-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SACSL-WE1	TOC	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SACSL-WE1	DOC and UVA254	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SACSL-WE1	OPs, pyrethroids, & OCs (EPA625m)	Environmental	1		CRG
<input checked="" type="checkbox"/> 053-SACSL-WE1	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1		APPL
<input checked="" type="checkbox"/> 053-SACSL-WE1	E. coli	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SACSL-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ SACSL samples ▲					

Yuba River at Marysville					YRMRY
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
<input checked="" type="checkbox"/> 053-YRMRY-WB1	Carbamates, urea pesticides (L-L EPA 632/8321)	Field Blank	1	Field Blank	APPL
<input checked="" type="checkbox"/> 053-YRMRY-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-YRMRY-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-YRMRY-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-YRMRY-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-YRMRY-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-YRMRY-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-YRMRY-WE1	TOC	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-YRMRY-WE1	DOC and UVA254	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-YRMRY-WE1	OPs, & pyrethroids (EPA625m)	Environmental	1		CRG
<input checked="" type="checkbox"/> 053-YRMRY-WE1	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1		APPL
<input checked="" type="checkbox"/> 053-YRMRY-WE1	E. coli	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-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
<input checked="" type="checkbox"/> 053-FRNIC-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-FRNIC-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-FRNIC-WE2	Total Hg, filtered	Environmental	2	Field Duplicate	Caltest
<input checked="" type="checkbox"/> 053-FRNIC-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-FRNIC-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-FRNIC-WE2	Methyl Hg, filtered	Environmental	2	Field Duplicate	Caltest
<input checked="" type="checkbox"/> 053-FRNIC-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-FRNIC-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-FRNIC-WE1	TOC	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-FRNIC-WE1	DOC and UVA254	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-FRNIC-WE1	OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental	1		CRG
<input checked="" type="checkbox"/> 053-FRNIC-WE1	E. coli	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-FRNIC-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ FRNIC samples ▲					

Event 053 Samples Collected by PER North

Sacramento River at Veterans Bridge					SRVET
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
<input checked="" type="checkbox"/> 053-SRVET-WB1	OPs, pyrethroids, & triazines (EPA625m)	Field Blank	1	Field Blank	CRG
<input checked="" type="checkbox"/> 053-SRVET-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SRVET-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SRVET-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SRVET-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SRVET-WE1	Sulfate, TSS	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SRVET-WE1	OPs, pyrethroids, & triazines (EPA625m)	Environmental	1		CRG
<input checked="" type="checkbox"/> 053-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"/> 053-ARDPK-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-ARDPK-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-ARDPK-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-ARDPK-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-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"/> 053-SRFPT-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SRFPT-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SRFPT-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SRFPT-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SRFPT-WE1	Sulfate, TSS	Environmental	1		Caltest
<input checked="" type="checkbox"/> 053-SRFPT-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ SRFPT samples ▲					

Event 053 Samples Collected by PER North

Sacramento River at River Mile 44					SRRMF
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
053-SRRMF-WE1	Total Hg, filtered	Environmental	1		Caltest
053-SRRMF-WE1	Total Hg, unfiltered	Environmental	1		Caltest
053-SRRMF-WE1	Methyl Hg, filtered	Environmental	1		Caltest
053-SRRMF-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
053-SRRMF-WE1	Sulfate, TSS	Environmental	1		Caltest
▲ SRRMF samples ▲					

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: Churn Creek at Knighton Road Reference: 40.5082 GPS Readings: 40.50858
Latitude: 40.5082 Longitude: -122.3162 122.3166
Personnel: Ed Salinas / Quang Do Date: 7/24/06 Arrival Time: 1400

Field Measured Data

Time (PST) 1420 Temp (°C) 26.5 pH 6.83 D. O. (mg/L) 8.01 EC (µS) 157 Midchannel Depth (m) 0.4ft

Flow Data Wet channel width (ft): 8ft Stage (units): NA

Flow and Depth recordings

Dist / Depth (ft) / Veloc (ft/sec)	
1 / 0.3 / 0.0	5 / 0.2 / 0.06
2 / 0.2 / 0.0	6 / 0.3 / 0.06
3 / 0.3 / 0.01	7 / 0.4 / 0.43
4 / 0.3 / 0.03	

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-CHKNT-WB1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	DTC	Field Blank Acid
053-CHKNT-WB1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	DTC	Field Blank Acid
053-CHKNT-WB1	CONV12	Polyethylene, 500 mL [1]	DTC	Field Blank
053-CHKNT-WB1	CONV40	Polyethylene, 0.5 L [1]	DTC	Field Blank
053-CHKNT-WB1	CONV22	VOA, PTFE lined cap, 40mL [3]	DTC	Field Blank
053-CHKNT-WB1	BACT10	Polyethylene, 125 mL [1]	DTC	Field Blank
053-CHKNT-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	0.2	
053-CHKNT-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	0.2	Acid
053-CHKNT-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	0.2	
053-CHKNT-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	0.2	Acid
053-CHKNT-WE1	CONV15	Polyethylene, 2 L [1]	DTC	
053-CHKNT-WE1	CONV40	Polyethylene, 0.5 L [1]	DTC	Acid
053-CHKNT-WE1	CONV22	VOA, PTFE lined cap, 40mL [3]	DTC	
053-CHKNT-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1]	DTC	
053-CHKNT-WE1	PEST15	Amber Glass, 1 L [2]	DTC	
053-CHKNT-WE1	PEST20	Amber Glass, 1 L [2]	DTC	
053-CHKNT-WE1	BACT10	Polyethylene, 125 mL [1]	DTC	
053-CHKNT-WE1	ATOX30	PTFE-lined PE, 5 Gal [1]	0.2/DTC	DTC due to weak pump battery & shallow depth

Sacramento River Watershed Program

Arrival Time: 1300hrs 1400

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: Sacramento River below Keswick Reference: 40.6011167 GPS Readings: 40.60975
Latitude: 40.6011167 Longitude: -122.443333 122.44608
Personnel: Ed Salinas / Quang Do Date: 7/24/06 Arrival Time: 1300

Field Measured Data

Time (PST)	Temp (°C)	pH	D. O. (mg/L)	EC (µS)	Midchannel Depth (m)
<u>1315</u>	<u>10.5</u>	<u>7.32</u>	<u>10.25</u>	<u>97</u>	<u>NA</u>

Flow Data

Wet channel width (ft): 44m Stage (units): NA

Flow and Depth recordings

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-SRBKR-WE1	PEST10	Amber Glass, 1 L [2]	<u>DTC</u>	
053-SRBKR-WE1	BACT10	Polyethylene, 125 mL [1]	<u>DTC</u>	
053-SRBKR-WE1	ATOX30	PTFE-lined PE, 5 Gal [1]	<u>1ft</u>	

Time at Completion of Sampling: 1325

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: Sacramento River above Bend Bridge

Reference

GPS Readings

Latitude: 40.2886167

40.26448

Longitude: -122.18555

122.22472

Personnel: Ed Salinas / Quang Do

Date: 7/24/06

Arrival Time: 1615

Field Measured Data

Time (PST)

Temp (°C)

pH

D. O. (mg/L)

EC (µS)

Midchannel

Depth (m)

16.45

13.98

7.64

11.08

100

NA

Flow Data

Wet channel width (ft): 107m

Stage (units): NA

Flow and Depth recordings

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-SRABB-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	<u>2ft</u>	
053-SRABB-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	<u>2ft</u>	
053-SRABB-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	<u>2ft</u>	
053-SRABB-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	<u>2ft</u>	
053-SRABB-WE1	CONV10	Polyethylene, 2 L [1]	<u>DTC</u>	
053-SRABB-WE1	CONV40	Polyethylene, 0.5 L [1]	<u>DTC</u>	
053-SRABB-WE1	CONV22	VOA, PTFE lined cap, 40mL [3]	<u>DTC</u>	
053-SRABB-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1]	<u>DTC</u>	
053-SRABB-WE1	BACT10	Polyethylene, 125 mL [1]	<u>DTC</u>	
053-SRABB-WE1	ATOX30	PTFE-lined PE, 5 Gal [1]	<u>2ft</u>	

Time at Completion of Sampling: 1730

Sampling Crew: PER North

Additional Notes or Comments:

could not launch boat. sampled from shore.

SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: Sacramento River near Hamilton City

Reference

GPS Readings

Latitude: 39.752

39.75010

Longitude: -121.994

121.99699

Personnel: Ed Salinas / Quang Do

Date: 7/27/06

Arrival Time: 1845

Field Measured Data

Time (PST)

Temp (°C)

pH

D. O. (mg/L)

EC (µS)

Midchannel

Depth (m)

1900

17.47

7.63

9.64

104

NA

Flow Data

Wet channel width (ft): 201 meters

Stage (units): NA

Flow and Depth recordings

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-SRHAM-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	1ft	
053-SRHAM-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	1ft	
053-SRHAM-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	1ft	
053-SRHAM-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	1ft	
053-SRHAM-WE1	CONV16	Polyethylene, 2 L [1]	1ft	
053-SRHAM-WE1	CONV40	Polyethylene, 0.5 L [1]	DTC	
053-SRHAM-WE1	CONV22	VOA, PTFE lined cap, 40mL [3]	DTC	
053-SRHAM-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1]	DTC	
053-SRHAM-WE1	PEST15	Amber Glass, 1 L <u>12 bottles</u>	DTC	MS/MSD
053-SRHAM-WE1	BACT10	Polyethylene, 125 mL [1]	DTC	
053-SRHAM-WE1	ATOX30	PTFE-lined PE, 5 Gal [1]	1ft	

Time at Completion of Sampling: 19:45

Sampling Crew: PER North

Additional Notes or Comments:

could not launch boat. Samples from shore

SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: Sacramento River at Colusa Reference: 39.2141667 GPS Readings: 39.21465
 Longitude: -121.999167 122.00136
 Personnel: Ed Salinas / Quang Do Date: 7/25/06 Arrival Time: 0845

Field Measured Data

Time (PST) 0900 Temp (°C) 19.12 pH 7.47 D. O. (mg/L) 10.08 EC (µS) 113 Midchannel Depth (m) 12.7

Flow Data

Wet channel width (ft): 101 Stage (units): NA

Flow and Depth recordings

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-SRCOL-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	<u>2ft</u>	
053-SRCOL-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	<u>2ft</u>	
053-SRCOL-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	<u>2ft</u>	
053-SRCOL-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	<u>2ft</u>	
053-SRCOL-WE1	CONV10	Polyethylene, 2 L [1]	<u>2ft</u>	
053-SRCOL-WE2	CONV16	Polyethylene, 2 L [1]	<u>2ft</u>	Field Duplicate
053-SRCOL-WE1	CONV40	Polyethylene, 0.5 L [1]	<u>DTC</u>	
053-SRCOL-WE2	CONV40	Polyethylene, 0.5 L [1]	<u>DTC</u>	Field Duplicate
053-SRCOL-WE1	CONV22	VOA, PTFE lined cap, 40mL [3]	<u>DTC</u>	
053-SRCOL-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1]	<u>DTC</u>	
053-SRCOL-WE2	CONV23	Amber glass, PTFE lined cap, 250 mL [1]	<u>DTC</u>	Field Duplicate
053-SRCOL-WE1	PEST17	Amber Glass, 1 L [2]	<u>DTC</u>	
053-SRCOL-WE2	PEST17	Amber Glass, 1 L [2]	<u>DTC</u>	Field Duplicate
053-SRCOL-WE1	BACT10	Polyethylene, 125 mL [1]	<u>DTC</u>	
053-SRCOL-WE1	ATOX30	PTFE-lined PE, 5 Gal [1]	<u>2ft</u>	Lab Duplicate

Time at Completion of Sampling: 1000

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: Colusa Basin Drain above KL

Reference: 38.8120667 GPS Readings: 38.81189

Latitude: 38.8120667 Longitude: -121.774083 121.77416

Personnel: Ed Eelinas / Quang Do Date: 7/25/06 Arrival Time: 1320

Field Measured Data

Time (PST) 1345 Temp (°C) 31.27 pH 7.54 D. O. (mg/L) 4.1 EC (µS) 532 Midchannel Depth (m) unknown

Flow Data

Wet channel width (ft): 43m Stage (units): NA

Flow and Depth recordings

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-COLDR-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	2 ft	
053-COLDR-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	2 ft	
053-COLDR-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	2 ft	
053-COLDR-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	2 ft	
053-COLDR-WE1	CONV15	Polyethylene, 2 L [1]	2 ft	
053-COLDR-WE1	CONV22	VOA, PTFE lined cap, 40mL [3]	DTL	
053-COLDR-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1]	DTL	
053-COLDR-WE1	PEST16	Amber Glass, 1 L [2]	2 ft	
053-COLDR-WE1	PEST20	Amber Glass, 1 L [2]	2 ft	
053-COLDR-WE2	PEST20	Amber Glass, 1 L [2]	2 ft	Field Duplicate
053-COLDR-WE1	BACT10	Polyethylene, 125 mL [1]	DTL	
053-COLDR-WE1	ATOX30	PTFE-lined PE, 5 Gal [1]	2 ft	

Time at Completion of Sampling: 1400

Sampling Crew: PER North

Additional Notes or Comments:

Observed Stephanie Fong (CURW & CB region 5) collecting tox grab samples for "rainbow trout development study".

Also 2 scientists from Kleinfelder sampling for Rice Commission.

SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: Sacramento Slough

Reference

GPS Readings

Latitude: 38.7833333

38.78345

Longitude: -121.63375

121.63382

Personnel: Ed Salinas / Quang Do

Date: 7/25/06

Arrival Time: 1655

Field Measured Data

Time (PST)

Temp (°C)

pH

D. O. (mg/L)

EC (µS)

Midchannel
Depth (m)

1700

32.19

7.52

5.96

301

12.4ft

Flow Data

Wet channel width (ft): 38 meters

Stage (units): NA

Flow and Depth recordings

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-SACSL-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	<u>3ft</u>	
053-SACSL-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	<u>3ft</u>	
053-SACSL-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	<u>3ft</u>	
053-SACSL-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	<u>3ft</u>	
053-SACSL-WE1	CONV15	Polyethylene, 2 L [1]	<u>3ft</u>	
053-SACSL-WE1	CONV40	Polyethylene, 0.5 L [1]	<u>3ft</u>	
053-SACSL-WE1	CONV22	VOA, PTFE lined cap, 40mL [3]	<u>DTC</u>	
053-SACSL-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1]	<u>DTC</u>	
053-SACSL-WE1	PEST16	Amber Glass, 1 L [2]	<u>3ft</u>	
053-SACSL-WE1	PEST20	Amber Glass, 1 L [2]	<u>3ft</u>	
053-SACSL-WE1	BACT10	Polyethylene, 125 mL [1]	<u>DTC</u>	
053-SACSL-WE1	ATOX30	PTFE-lined PE, 5 Gal [1]		

Time at Completion of Sampling: 1900

Sampling Crew: PER North

Additional Notes or Comments:

unable to collect flow due to pending darkness

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: Yuba River at Marysville Reference: 39.144445 GPS Readings: 31.14202
 Longitude: -121.576388 121.57601
 Personnel: Ed Salinas / Quang Do Date: 7/25/06 Arrival Time: 1140

Field Measured Data

Time (PST) 1200 Temp (°C) 14.8 pH 7.64 D. O. (mg/L) 12.3 EC (µS) 68 Midchannel Depth (m) NA

Flow Data

Wet channel width (ft): 62m Stage (units): NA

Flow and Depth recordings

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-YRMRY-WB1	PEST20	Amber Glass, 1 L [2]	DTC	Field Blank
053-YRMRY-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	2ft	
053-YRMRY-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	2ft	
053-YRMRY-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	2ft	
053-YRMRY-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	2ft	
053-YRMRY-WE1	CONV15	Polyethylene, 2 L [1]	DTC	
053-YRMRY-WE1	CONV40	Polyethylene, 0.5 L [1]	DTC	
053-YRMRY-WE1	CONV22	VOA, PTFE lined cap, 40mL [3]	DTC	
053-YRMRY-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1]	DTC	
053-YRMRY-WE1	PEST17	Amber Glass, 1 L [2]	DTC	
053-YRMRY-WE1	PEST20	Amber Glass, 1 L [2]	DTC	
053-YRMRY-WE1	BACT10	Polyethylene, 125 mL [1]	DTC	
053-YRMRY-WE1	ATOX30	PTFE-lined PE, 5 Gal [1]	2ft	

Time at Completion of Sampling: 1215

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET
Sacramento River Watershed Program

Site: Feather River near Nicolaus Reference: 38.903 GPS Readings: 38.79329
Latitude: 38.903 Longitude: -121.586167 21.62971
Personnel: Ed Salinas / Quang DD Date: 7/25/06 Arrival Time: 1545

Field Measured Data

Time (PST) 1600 Temp (°C) 24.22 pH 7.53 D. O. (mg/L) 9.35 EC (µS) 79 Midchannel Depth (m) 1.4 ft

Flow Data

Wet channel width (ft): 170 meters Stage (units): NA

Flow and Depth recordings

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-FRNIC-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	3 ft	
053-FRNIC-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	3 ft	
053-FRNIC-WE2	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	3 ft	Field Duplicate
053-FRNIC-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	3 ft	
053-FRNIC-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	3 ft	
053-FRNIC-WE2	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	3 ft	Field Duplicate
053-FRNIC-WE1	CONV15	Polyethylene, 2 L [1]	3 ft	
053-FRNIC-WE1	CONV40	Polyethylene, 0.5 L [1]	3 ft	
053-FRNIC-WE1	CONV22	VOA, PTFE lined cap, 40mL [3]	DTC	
053-FRNIC-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1]	DTC	
053-FRNIC-WE1	PEST15	Amber Glass, 1 L [2]	3 ft	
053-FRNIC-WE1	BACT10	Polyethylene, 125 mL [1]	DTC	
053-FRNIC-WE1	ATOX30	PTFE-lined PE, 5 Gal [1]	3 ft	

Time at Completion of Sampling: 1645

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: 38.6764

Longitude: -121.627517 121.62975

Personnel: Ed Salinas / Quang Do Date: 7/26/06 Arrival Time: 1035

Field Measured Data

Time (PST) 1045 Temp (°C) 22.65 pH 7.53 D. O. (mg/L) 102.2 EC (µS) 950 Midchannel Depth (m) 15ft

Flow Data

Wet channel width (ft): 168 meters Stage (units): NA

Flow and Depth recordings

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-SRVET-WB1	PEST14	Amber Glass, 1 L [2]	DTC	Field Blank
053-SRVET-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	4ft	
053-SRVET-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	4ft	
053-SRVET-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	4ft	
053-SRVET-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	4ft	
053-SRVET-WE1	CONV14	Polyethylene, 500 mL [1]	4ft	
053-SRVET-WE1	PEST14	Amber Glass, 1 L [2]	4ft	
053-SRVET-WE1	ATOX30	PTFE-lined PE, 5 Gal [1]	4ft	

Time at Completion of Sampling: 1100

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: 38.60181

Longitude: -121.501117 121.50088

Personnel: Ed Salinas / Quang Do Date: 7/26/06 Arrival Time: 0840

Field Measured Data

Time (PST) 0845 Temp (°C) 18.35 pH 7.04 D. O. (mg/L) 9.75 EC (µS) 41 Midchannel Depth (m) 11.6

Flow Data

Wet channel width (ft): 39 meters Stage (units): NA

Flow and Depth recordings

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-ARDPK-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	3.5ft	
053-ARDPK-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	3.5ft	
053-ARDPK-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	3.5ft	
053-ARDPK-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	3.5ft	
053-ARDPK-WE1	ATOX30	PTFE-lined PE, 5 Gal [1]	3.5ft	

Time at Completion of Sampling: 0915

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: 38.45762
 Latitude: 38.45815 Longitude: -121.502633 121.50289
 Personnel: Ed Salinas / Quang Do Date: 7/26/06 Arrival Time: 1315

Field Measured Data

Time (PST) 1330 Temp (°C) 22.94 pH 7.34 D. O. (mg/L) 8.87 EC (µS) 129 Midchannel Depth (m) 27.3 ft

Flow Data

Wet channel width (ft): 179 meters

Stage (units): 24

Flow and Depth recordings

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-SRFPT-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	<u>3.5 ft</u>	
053-SRFPT-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	<u>3.5 ft</u>	
053-SRFPT-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	<u>3.5 ft</u>	
053-SRFPT-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	<u>3.5 ft</u>	
053-SRFPT-WE1	CONV14	Polyethylene, 500 mL [1]	<u>3.5 ft</u>	
053-SRFPT-WE1	ATOX30	PTFE-lined PE, 5 Gal [1]	<u>3.5 ft</u>	

Time at Completion of Sampling: 1340

Sampling Crew: PER North

Additional Notes or Comments:

SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: **Sacramento River at River Mile 44**

Reference: **Latitude: 38.43467** **GPS Readings: 38.43471**

Longitude: **-121.519167** **121.52805**

Personnel: **Ed Salinas / Quincy DO** Date: **7/26/06** Arrival Time: **1240**

Field Measured Data

Time (PST) **1245** Temp (°C) **22.86** pH **7.11** D. O. (mg/L) **8.71** EC (µS) **141** Midchannel Depth (m) **18.6ft**

Flow Data

Wet channel width (ft): **224 meters**

Stage (units): **NA**

Flow and Depth recordings

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

Sample ID	Analysis Group	Container Type [#/sample]	Sample Depth (ft)	NOTES
053-SRRMF-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1]	3ft	
053-SRRMF-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1]	3ft	
053-SRRMF-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1]	3ft	
053-SRRMF-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1]	3ft	
053-SRRMF-WE1	CONV14	Polyethylene, 500 mL [1]	3ft	

Time at Completion of Sampling: **1300**

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"/> 053-CHKNT-WE1	Churn Creek at Knighton Road	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental 1	
<input checked="" type="checkbox"/> 053-COLDR-WE1	Colusa Basin Drain above KL	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental 1	
<input checked="" type="checkbox"/> 053-COLDR-WE2	Colusa Basin Drain above KL	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental 2	Field Duplicate
<input checked="" type="checkbox"/> 053-SACSL-WE1	Sacramento Slough	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental 1	
<input checked="" type="checkbox"/> 053-YRMRY-WB1	Yuba River at Marysville	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Field Blank 1	Field Blank
<input checked="" type="checkbox"/> 053-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
<input checked="" type="checkbox"/> 053-CHKNT-WB1	Churn Creek at Knighton Road	HGTU12 Total Hg, unfiltered	Field Blank 1	Field Blank
<input checked="" type="checkbox"/> 053-CHKNT-WB1	Churn Creek at Knighton Road	HGMU12 Methyl Hg, unfiltered	Field Blank 1	Field Blank
<input checked="" type="checkbox"/> 053-CHKNT-WB1	Churn Creek at Knighton Road	CONV12 Dissolved Ortho-Phosphate	Field Blank 1	Field Blank
<input checked="" type="checkbox"/> 053-CHKNT-WB1	Churn Creek at Knighton Road	CONV40 NO3+NO2, TKN and Total P	Field Blank 1	Field Blank
<input checked="" type="checkbox"/> 053-CHKNT-WB1	Churn Creek at Knighton Road	CONV22 TOC	Field Blank 1	Field Blank
<input checked="" type="checkbox"/> 053-CHKNT-WB1	Churn Creek at Knighton Road	BACT10 E. coli	Field Blank 1	Field Blank
<input checked="" type="checkbox"/> 053-CHKNT-WE1	Churn Creek at Knighton Road	HGTF11 Total Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 053-CHKNT-WE1	Churn Creek at Knighton Road	HGTU12 Total Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 053-CHKNT-WE1	Churn Creek at Knighton Road	HGMF11 Methyl Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 053-CHKNT-WE1	Churn Creek at Knighton Road	HGMU12 Methyl Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 053-CHKNT-WE1	Churn Creek at Knighton Road	CONV15 TSS, TDS, Turbidity, Dis. Ortho-P	Environmental 1	
<input checked="" type="checkbox"/> 053-CHKNT-WE1	Churn Creek at Knighton Road	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
<input checked="" type="checkbox"/> 053-CHKNT-WE1	Churn Creek at Knighton Road	CONV22 TOC	Environmental 1	
<input checked="" type="checkbox"/> 053-CHKNT-WE1	Churn Creek at Knighton Road	CONV23 DOC and UVA254	Environmental 1	
<input checked="" type="checkbox"/> 053-CHKNT-WE1	Churn Creek at Knighton Road	BACT10 E. coli	Environmental 1	
<input checked="" type="checkbox"/> 053-SRBKR-WE1	Sacramento River below Keswick	BACT10 E. coli	Environmental 1	
<input checked="" type="checkbox"/> 053-SRABB-WE1	Sacramento River above Bend Bridge	HGTF11 Total Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 053-SRABB-WE1	Sacramento River above Bend Bridge	HGTU12 Total Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 053-SRABB-WE1	Sacramento River above Bend Bridge	HGMF11 Methyl Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 053-SRABB-WE1	Sacramento River above Bend Bridge	HGMU12 Methyl Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 053-SRABB-WE1	Sacramento River above Bend Bridge	CONV10 TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate, UVA254	Environmental 1	
<input checked="" type="checkbox"/> 053-SRABB-WE1	Sacramento River above Bend Bridge	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
<input checked="" type="checkbox"/> 053-SRABB-WE1	Sacramento River above Bend Bridge	CONV22 TOC	Environmental 1	
<input checked="" type="checkbox"/> 053-SRABB-WE1	Sacramento River above Bend Bridge	CONV23 DOC and UVA254	Environmental 1	
<input checked="" type="checkbox"/> 053-SRABB-WE1	Sacramento River above Bend Bridge	BACT10 E. coli	Environmental 1	
<input checked="" type="checkbox"/> 053-SRHAM-WE1	Sacramento River near Hamilton City	HGTF11 Total Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 053-SRHAM-WE1	Sacramento River near Hamilton City	HGTU12 Total Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 053-SRHAM-WE1	Sacramento River near Hamilton City	HGMF11 Methyl Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 053-SRHAM-WE1	Sacramento River near Hamilton City	HGMU12 Methyl Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 053-SRHAM-WE1	Sacramento River near Hamilton City	CONV16 TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental 1	
<input checked="" type="checkbox"/> 053-SRHAM-WE1	Sacramento River near Hamilton City	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
<input checked="" type="checkbox"/> 053-SRHAM-WE1	Sacramento River near Hamilton City	CONV22 TOC	Environmental 1	
<input checked="" type="checkbox"/> 053-SRHAM-WE1	Sacramento River near Hamilton City	CONV23 DOC and UVA254	Environmental 1	

Samples Analyzed by Caltest

Samples Collected by PER North

Sample ID	Site Description	Analyte Group		Sample Type & Rep		QA Info
☑ 053-SRHAM-WE1	Sacramento River near Hamilton City	BACT10	E. coli	Environmental	1	
☑ 053-SRCOL-WE1	Sacramento River at Colusa	HGTF11	Total Hg, filtered	Environmental	1	
☑ 053-SRCOL-WE1	Sacramento River at Colusa	HGTU12	Total Hg, unfiltered	Environmental	1	
☑ 053-SRCOL-WE1	Sacramento River at Colusa	HGMF11	Methyl Hg, filtered	Environmental	1	
☑ 053-SRCOL-WE1	Sacramento River at Colusa	HGMU12	Methyl Hg, unfiltered	Environmental	1	
☑ 053-SRCOL-WE2	Sacramento River at Colusa	CONV16	TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	2	Field Duplicate
☑ 053-SRCOL-WE1	Sacramento River at Colusa	CONV10	TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate, UVA254	Environmental	1	
☑ 053-SRCOL-WE2	Sacramento River at Colusa	CONV40	NO3+NO2, TKN and Total P	Environmental	2	Field Duplicate
☑ 053-SRCOL-WE1	Sacramento River at Colusa	CONV40	NO3+NO2, TKN and Total P	Environmental	1	
☑ 053-SRCOL-WE1	Sacramento River at Colusa	CONV22	TOC	Environmental	1	
☑ 053-SRCOL-WE2	Sacramento River at Colusa	CONV23	DOC and UVA254	Environmental	2	Field Duplicate
☑ 053-SRCOL-WE1	Sacramento River at Colusa	CONV23	DOC and UVA254	Environmental	1	
☑ 053-SRCOL-WE1	Sacramento River at Colusa	BACT10	E. coli	Environmental	1	
☑ 053-COLDR-WE1	Colusa Basin Drain above KL	HGTF11	Total Hg, filtered	Environmental	1	
☑ 053-COLDR-WE1	Colusa Basin Drain above KL	HGTU12	Total Hg, unfiltered	Environmental	1	
☑ 053-COLDR-WE1	Colusa Basin Drain above KL	HGMF11	Methyl Hg, filtered	Environmental	1	
☑ 053-COLDR-WE1	Colusa Basin Drain above KL	HGMU12	Methyl Hg, unfiltered	Environmental	1	
☑ 053-COLDR-WE1	Colusa Basin Drain above KL	CONV15	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1	
☑ 053-COLDR-WE1	Colusa Basin Drain above KL	CONV22	TOC	Environmental	1	
☑ 053-COLDR-WE1	Colusa Basin Drain above KL	CONV23	DOC and UVA254	Environmental	1	
☑ 053-COLDR-WE1	Colusa Basin Drain above KL	BACT10	E. coli	Environmental	1	
☑ 053-SACSL-WE1	Sacramento Slough	HGTF11	Total Hg, filtered	Environmental	1	
☑ 053-SACSL-WE1	Sacramento Slough	HGTU12	Total Hg, unfiltered	Environmental	1	
☑ 053-SACSL-WE1	Sacramento Slough	HGMF11	Methyl Hg, filtered	Environmental	1	
☑ 053-SACSL-WE1	Sacramento Slough	HGMU12	Methyl Hg, unfiltered	Environmental	1	
☑ 053-SACSL-WE1	Sacramento Slough	CONV15	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1	
☑ 053-SACSL-WE1	Sacramento Slough	CONV40	NO3+NO2, TKN and Total P	Environmental	1	
☑ 053-SACSL-WE1	Sacramento Slough	CONV22	TOC	Environmental	1	
☑ 053-SACSL-WE1	Sacramento Slough	CONV23	DOC and UVA254	Environmental	1	
☑ 053-SACSL-WE1	Sacramento Slough	BACT10	E. coli	Environmental	1	
☑ 053-YRMRY-WE1	Yuba River at Marysville	HGTF11	Total Hg, filtered	Environmental	1	
☑ 053-YRMRY-WE1	Yuba River at Marysville	HGTU12	Total Hg, unfiltered	Environmental	1	
☑ 053-YRMRY-WE1	Yuba River at Marysville	HGMF11	Methyl Hg, filtered	Environmental	1	

Samples Analyzed by Caltest

Samples Collected by PER North

Sample ID	Site Description	Analyte Group	Sample Type & Rep	QA Info
☑ 053-YRMRY-WE1	Yuba River at Marysville	HGMU12 Methyl Hg, unfiltered	Environmental 1	
☑ 053-YRMRY-WE1	Yuba River at Marysville	CONV15 TSS, TDS, Turbidity, Dis. Ortho-P	Environmental 1	
☑ 053-YRMRY-WE1	Yuba River at Marysville	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
☑ 053-YRMRY-WE1	Yuba River at Marysville	CONV22 TOC	Environmental 1	
☑ 053-YRMRY-WE1	Yuba River at Marysville	CONV23 DOC and UVA254	Environmental 1	
☑ 053-YRMRY-WE1	Yuba River at Marysville	BACT10 E. coli	Environmental 1	
☑ 053-FRNIC-WE2	Feather River near Nicolaus	HGTF11 Total Hg, filtered	Environmental 2	Field Duplicate
☑ 053-FRNIC-WE1	Feather River near Nicolaus	HGTF11 Total Hg, filtered	Environmental 1	
☑ 053-FRNIC-WE1	Feather River near Nicolaus	HGTU12 Total Hg, unfiltered	Environmental 1	
☑ 053-FRNIC-WE2	Feather River near Nicolaus	HGMF11 Methyl Hg, filtered	Environmental 2	Field Duplicate
☑ 053-FRNIC-WE1	Feather River near Nicolaus	HGMF11 Methyl Hg, filtered	Environmental 1	
☑ 053-FRNIC-WE1	Feather River near Nicolaus	HGMU12 Methyl Hg, unfiltered	Environmental 1	
☑ 053-FRNIC-WE1	Feather River near Nicolaus	CONV15 TSS, TDS, Turbidity, Dis. Ortho-P	Environmental 1	
☑ 053-FRNIC-WE1	Feather River near Nicolaus	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
☑ 053-FRNIC-WE1	Feather River near Nicolaus	CONV22 TOC	Environmental 1	
☑ 053-FRNIC-WE1	Feather River near Nicolaus	CONV23 DOC and UVA254	Environmental 1	
☑ 053-FRNIC-WE1	Feather River near Nicolaus	BACT10 E. coli	Environmental 1	
☑ 053-SRVET-WE1	Sacramento River at Veterans Bridge	HGTF11 Total Hg, filtered	Environmental 1	
☑ 053-SRVET-WE1	Sacramento River at Veterans Bridge	HGTU12 Total Hg, unfiltered	Environmental 1	
☑ 053-SRVET-WE1	Sacramento River at Veterans Bridge	HGMF11 Methyl Hg, filtered	Environmental 1	
☑ 053-SRVET-WE1	Sacramento River at Veterans Bridge	HGMU12 Methyl Hg, unfiltered	Environmental 1	
☑ 053-SRVET-WE1	Sacramento River at Veterans Bridge	CONV14 Sulfate, TSS	Environmental 1	
☑ 053-ARDPK-WE1	American River at Discovery Park	HGTF11 Total Hg, filtered	Environmental 1	
☑ 053-ARDPK-WE1	American River at Discovery Park	HGTU12 Total Hg, unfiltered	Environmental 1	
☑ 053-ARDPK-WE1	American River at Discovery Park	HGMF11 Methyl Hg, filtered	Environmental 1	
☑ 053-ARDPK-WE1	American River at Discovery Park	HGMU12 Methyl Hg, unfiltered	Environmental 1	
☑ 053-SRFPT-WE1	Sacramento River at Freeport	HGTF11 Total Hg, filtered	Environmental 1	
☑ 053-SRFPT-WE1	Sacramento River at Freeport	HGTU12 Total Hg, unfiltered	Environmental 1	
☑ 053-SRFPT-WE1	Sacramento River at Freeport	HGMF11 Methyl Hg, filtered	Environmental 1	
☑ 053-SRFPT-WE1	Sacramento River at Freeport	HGMU12 Methyl Hg, unfiltered	Environmental 1	
☑ 053-SRFPT-WE1	Sacramento River at Freeport	CONV14 Sulfate, TSS	Environmental 1	
☑ 053-SRRMF-WE1	Sacramento River at River Mile 44	HGTF11 Total Hg, filtered	Environmental 1	
☑ 053-SRRMF-WE1	Sacramento River at River Mile 44	HGTU12 Total Hg, unfiltered	Environmental 1	

Samples Analyzed by Caltest

Samples Collected by PER North

Sample ID	Site Description	Analyte Group		Sample Type & Rep	QA Info
<input checked="" type="checkbox"/> 053-SRRMF-WE1	Sacramento River at River Mile 44	HGMF11	Methyl Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 053-SRRMF-WE1	Sacramento River at River Mile 44	HGMU12	Methyl Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 053-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
✓ 053-CHKNT-WE1	Churn Creek at Knighton Road	PEST15 OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental 1	
✓ 053-SRBKR-WE1	Sacramento River below Keswick	PEST10 OP pesticides (EPA625m)	Environmental 1	
✓ 053-SRHAM-WE1	Sacramento River near Hamilton City	PEST15 OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental 1	MS/MSD (6 bottles)
✓ 053-SRCOL-WE2	Sacramento River at Colusa	PEST17 OPs, & pyrethroids (EPA625m)	Environmental 2	Field Duplicate
✓ 053-SRCOL-WE1	Sacramento River at Colusa	PEST17 OPs, & pyrethroids (EPA625m)	Environmental 1	
✓ 053-COLDR-WE1	Colusa Basin Drain above KL	PEST16 OPs, pyrethroids, & OCs (EPA625m)	Environmental 1	
✓ 053-SACSL-WE1	Sacramento Slough	PEST16 OPs, pyrethroids, & OCs (EPA625m)	Environmental 1	
✓ 053-YRMRY-WE1	Yuba River at Marysville	PEST17 OPs, & pyrethroids (EPA625m)	Environmental 1	
✓ 053-FRNIC-WE1	Feather River near Nicolaus	PEST15 OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental 1	
✓ 053-SRVET-WB1	Sacramento River at Veterans Bridge	PEST14 OPs, pyrethroids, & triazines (EPA625m)	Field Blank 1	Field Blank
✓ 053-SRVET-WE1	Sacramento River at Veterans Bridge	PEST14 OPs, pyrethroids, & triazines (EPA625m)	Environmental 1	

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
✓ 053-CHKNT-WE1	Churn Creek at Knighton Road	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
✓ 053-SRBKR-WE1	Sacramento River below Keswick	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
✓ 053-SRABB-WE1	Sacramento River above Bend Bridge	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
✓ 053-SRHAM-WE1	Sacramento River near Hamilton City	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
✓ 053-SRCOL-WE1	Sacramento River at Colusa	ATOX30 Aquatic toxicity, 3 species	Environmental 1	Lab Duplicate
✓ 053-COLDR-WE1	Colusa Basin Drain above KL	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
✓ 053-SACSL-WE1	Sacramento Slough	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
✓ 053-YRMRY-WE1	Yuba River at Marysville	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
✓ 053-FRNIC-WE1	Feather River near Nicolaus	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
✓ 053-SRVET-WE1	Sacramento River at Veterans Bridge	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
✓ 053-ARDPK-WE1	American River at Discovery Park	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
✓ 053-SRFPT-WE1	Sacramento River at Freeport	ATOX30 Aquatic toxicity, 3 species	Environmental 1	

COC Analysis Notes for PER:



Pacific EcoRisk

ENVIRONMENTAL CONSULTING & TESTING

835 Arnold Drive, Suite 104, Martinez, CA 94553

(925) 313-8080 FAX (925) 313-8089

CRG CHAIN-OF-CUSTODY RECORD

Client Name:		Pacific EcoRisk				REQUESTED ANALYSIS															
Client Address:		835 Arnold Drive, Ste 104 Martinez CA 94553				Organophosphate Pesticides: (EPA 625m)	Pyrethroid Pesticides: (EPA 625m)	Triazine Pesticides: (EPA 625m)	Organochlorine Pesticides: (EPA 625m)												
Sampled By:		Ed Salinas / Quang Do																			
Phone:		925-313-8080																			
FAX:		925-313-8089																			
Project Manager:		Edward R. Salinas																			
Project Name:		Sacramento River Watershed Program																			
PO Number:		PER Ref. 10182																			
Client Sample ID		Sample Date	Sample Time	Sample Matrix*	Container																
					Number	Type															
1	053-CHKNT-WE1	7/24/06	1420	FW	2	1-L amber	X	X	X	X											
2	053-SRBKR-WE1	7/24/06	1315	FW	2	1-L amber	X														
3	053-SRHAM-WE1	7/24/06	1900	FW	6	1-L amber	X	X	X	X											
4	053-SRCOL-WE1	7/25/06	0900	FW	2	1-L amber	X	X													
5	053-SRCOL-WE2	7/25/06	0900	FW	2	1-L amber	X	X													
6	053-YRMRY-WE1	7/25/06	1200	FW	2	1-L amber	X	X													
7	053-COLDR-WE1	7/25/06	1345	FW	2	1-L amber	X	X		X											
8	053-FRNIC-WE1	7/25/06	1600	FW	2	1-L amber	X	X	X	X											
9	053-SACSL-WE1	7/25/06	1700	FW	2	1-L amber	X	X		X											
10	053-SRVET-WB1	7/26/06	1045	FW	2	1-L amber	X	X	X												
11	053-SRVET-WE1	7/26/06	1045	FW	2	1-L amber	X	X	X												
12																					
13																					
Correct Containers:		Yes	No		RELIQUISHED BY																
Sample Temperature:		Ambient	Cold	Warm			Signature:	<i>Edward R. Salinas</i>			Signature:										
Sample Preservative:		Yes	No				Print:	Edward R. Salinas			Print:										
Turnaround Time:		STD	Specify:					Organization:	PER			Organization:									
Comments:		Take MG/MSD from 053-SRHAM-WE1						DATE:	7/26/06			TIME:	1715			DATE:	TIME:				
								RECEIVED BY													
								Signature:				Signature:									
								Print:				Print:									
								Organization:				Organization:									
								DATE:				TIME:				DATE:	TIME:				

Lab Reports and EDDs go to Claus Suverkropp (LWA, 530-753-6400)
Invoices go to Client.

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)



Pacific EcoRisk

ENVIRONMENTAL CONSULTING & TESTING

835 Arnold Drive, Suite 104, Martinez, CA 94553

(925) 313-8080 FAX (925) 313-8089

APPL CHAIN-OF-CUSTODY RECORD

Client Name:		Pacific EcoRisk				REQUESTED ANALYSIS												
Client Address:		835 Arnold Drive, Ste 104 Martinez CA 94553				Carbamate and Urea Pesticides: (L-L EPA 632/8321)												
Sampled By:		Ed Salinas / Quang Do																
Phone:		925-313-8080																
FAX:		925-313-8089																
Project Manager:		Edward R. Salinas																
Project Name:		Sacramento River Watershed Program																
PO Number:		PER Ref. 10182																
Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container														
				Number	Type													
1 053-CHKNT-WE1	7/24/06	1420	FW	2	1-L amber	x												
2 053-COLDR-WE1	7/25/06	1345	FW	2	1-L amber	x												
3 053-COLDR-WE2	7/25/06	1345	FW	2	1-L amber	x												
4 053-SACSL-WE1	7/25/06	1700	FW	2	1-L amber	x												
5 053-YRMRY-WB1	7/25/06	1200	FW	2	1-L amber	x												
6 053-YRMRY-WE1	7/25/06	1200	FW	2	1-L amber	x												
7																		
8																		
9																		
10																		
11																		
12																		
13																		
Correct Containers:		Yes	No			RELIQUISHED BY												
Sample Temperature:		Ambient	Cold	Warm														
Sample Preservative:		Yes	No															
Turnaround Time:		STD	Specify:															
Comments:						Signature:					Signature:							
						Print:	EDWARD R. SALINAS				Print:							
						Organization:	PER				Organization:							
						DATE:	7/26/06		TIME:	1715		DATE:			TIME:			
						RECEIVED BY												
						Signature:					Signature:							
						Print:					Print:							
						Organization:					Organization:							
						DATE:			TIME:			DATE:			TIME:			

Lab Reports and EDDs go to Claus Suverkropp (LWA, 530-753-6400)
Invoices go to Client.

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Sacramento River Watershed Program CHAIN-OF-CUSTODY RECORD

LABORATORY: CALTEST

REQUESTED ANALYSES

CLIENT NAME: Pacific EcoRisk

**CLIENT ADDRESS: 827 Arnold Dr., Ste. 100
Martinez, CA 94553**

PHONE: (925) 313-8080

FAX:

PROJECT CONTACT: Edward Salinas

LWA PROJECT REFERENCE: SRWP

PROJECT: Sacramento River Watershed Program

SAMPLED BY:

[illegible]

*Matrix Codes: SED = Sediment W = Water WW = Wastewater