

# **Sacramento River Watershed Program**

## **Field Sampling Event 055**

### **Field Log**

**September 2006**



**PACIFIC ECORISK**  
ENVIRONMENTAL CONSULTING & TESTING

## Event 055 Samples Collected by PER North

Churn Creek at Knighton Road						CHKNT
Sample ID	Analyte Group	Sample Type	Rep	QA		Lab
055-CHKNT-WB1	Carbamates, urea pesticides (L-L EPA 632/8321)	Field Blank	1	Field Blank		APPL
055-CHKNT-WE1	Total Hg, filtered	Environmental	1			Caltest
055-CHKNT-WE1	Total Hg, unfiltered	Environmental	1			Caltest
055-CHKNT-WE1	Methyl Hg, filtered	Environmental	1			Caltest
055-CHKNT-WE1	Methyl Hg, unfiltered	Environmental	1			Caltest
055-CHKNT-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1			Caltest
055-CHKNT-WE1	NO3+NO2, TKN and Total P	Environmental	1			Caltest
055-CHKNT-WE1	TOC	Environmental	1			Caltest
055-CHKNT-WE1	DOC and UVA254	Environmental	1			Caltest
055-CHKNT-WE1	OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental	1			CRG
055-CHKNT-WE1	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1			APPL
055-CHKNT-WE1	E. coli	Environmental	1			Caltest
055-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
055-SRBKR-WB1	E. coli	Field Blank	1	Field Blank		Caltest
055-SRBKR-WE1	OP pesticides (EPA625m)	Environmental	1			CRG
055-SRBKR-WE1	E. coli	Environmental	1			Caltest
055-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
055-SRABB-WE1	Total Hg, filtered	Environmental	1			Caltest
055-SRABB-WE1	Total Hg, unfiltered	Environmental	1			Caltest
055-SRABB-WE1	Methyl Hg, filtered	Environmental	1			Caltest
055-SRABB-WE1	Methyl Hg, unfiltered	Environmental	1			Caltest
055-SRABB-WE1	TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	1			Caltest
055-SRABB-WE1	NO3+NO2, TKN and Total P	Environmental	1			Caltest
055-SRABB-WE1	TOC	Environmental	1			Caltest
055-SRABB-WE1	DOC and UVA254	Environmental	1			Caltest
055-SRABB-WE1	E. coli	Environmental	1			Caltest
055-SRABB-WE1	Aquatic toxicity, 3 species	Environmental	1			PER
▲ SRABB samples ▲						

# Event 055 Samples Collected by PER North

Sacramento River near Hamilton City					SRHAM
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
055-SRHAM-WB1	OPs, pyrethroids, & OCs (EPA625m)	Field Blank	1	Field Blank	CRG
055-SRHAM-WE1	Total Hg, filtered	Environmental	1		Caltest
055-SRHAM-WE1	Total Hg, unfiltered	Environmental	1		Caltest
055-SRHAM-WE1	Methyl Hg, filtered	Environmental	1		Caltest
055-SRHAM-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
055-SRHAM-WE1	TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	1		Caltest
055-SRHAM-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
055-SRHAM-WE1	TOC	Environmental	1		Caltest
055-SRHAM-WE1	DOC and UVA254	Environmental	1		Caltest
055-SRHAM-WE1	OPs, pyrethroids, & OCs (EPA625m)	Environmental	1		CRG
055-SRHAM-WE1	E. coli	Environmental	1		Caltest
055-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
055-SRCOL-WE1	Total Hg, filtered	Environmental	1		Caltest
055-SRCOL-WE1	Total Hg, unfiltered	Environmental	1		Caltest
055-SRCOL-WE1	Methyl Hg, filtered	Environmental	1		Caltest
055-SRCOL-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
055-SRCOL-WE1	TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	1		Caltest
055-SRCOL-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
055-SRCOL-WE1	TOC	Environmental	1		Caltest
055-SRCOL-WE1	DOC and UVA254	Environmental	1		Caltest
055-SRCOL-WE1	OPs, & pyrethroids (EPA625m)	Environmental	1		CRG
055-SRCOL-WE1	E. coli	Environmental	1		Caltest
055-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
055-COLDR-WE1	Total Hg, filtered	Environmental	1		Caltest
055-COLDR-WE1	Total Hg, unfiltered	Environmental	1		Caltest
055-COLDR-WE2	Total Hg, filtered	Environmental	2	Field Duplicate	Caltest
055-COLDR-WE1	Methyl Hg, filtered	Environmental	1		Caltest
055-COLDR-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
055-COLDR-WE2	Methyl Hg, filtered	Environmental	2	Field Duplicate	Caltest
055-COLDR-WE2	Sulfate, TSS	Environmental	2	Field Duplicate	Caltest
055-COLDR-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1		Caltest
055-COLDR-WE2	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	2	Field Duplicate	Caltest
055-COLDR-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
055-COLDR-WE2	NO3+NO2, TKN and Total P	Environmental	2	Field Duplicate	Caltest
055-COLDR-WE1	TOC	Environmental	1		Caltest
055-COLDR-WE1	DOC and UVA254	Environmental	1		Caltest
055-COLDR-WE2	DOC and UVA254	Environmental	2	Field Duplicate	Caltest
055-COLDR-WE1	OPs, pyrethroids, & OCs (EPA625m)	Environmental	1		CRG
055-COLDR-WE2	OPs, pyrethroids, & OCs (EPA625m)	Environmental	2	Field Duplicate	CRG
055-COLDR-WE1	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1		APPL
055-COLDR-WE1	E. coli	Environmental	1		Caltest
055-COLDR-WE1	Aquatic toxicity, 3 species	Environmental	1	Lab Duplicate	PER
▲ COLDR samples ▲					

# Event 055 Samples Collected by PER North

Sacramento Slough					SACSL
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
055-SACSL-WE1	Total Hg, filtered	Environmental	1		Caltest
055-SACSL-WE1	Total Hg, unfiltered	Environmental	1		Caltest
055-SACSL-WE1	Methyl Hg, filtered	Environmental	1		Caltest
055-SACSL-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
055-SACSL-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1		Caltest
055-SACSL-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
055-SACSL-WE1	TOC	Environmental	1		Caltest
055-SACSL-WE1	DOC and UVA254	Environmental	1		Caltest
055-SACSL-WE1	OPs, pyrethroids, & OCs (EPA625m)	Environmental	1		CRG
055-SACSL-WE1	E. coli	Environmental	1		Caltest
055-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
055-YRMRY-WB1	Dissolved Ortho-Phosphate	Field Blank	1	Field Blank	Caltest
055-YRMRY-WB1	NO3+NO2, TKN and Total P	Field Blank	1	Field Blank	Caltest
055-YRMRY-WB1	DOC	Field Blank	1	Field Blank	Caltest
055-YRMRY-WE1	Total Hg, filtered	Environmental	1		Caltest
055-YRMRY-WE1	Total Hg, unfiltered	Environmental	1		Caltest
055-YRMRY-WE1	Methyl Hg, filtered	Environmental	1		Caltest
055-YRMRY-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
055-YRMRY-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1		Caltest
055-YRMRY-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
055-YRMRY-WE1	TOC	Environmental	1		Caltest
055-YRMRY-WE1	DOC and UVA254	Environmental	1		Caltest
055-YRMRY-WE1	OPs, & pyrethroids (EPA625m)	Environmental	1	MS/MSD	CRG
055-YRMRY-WE1	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1	MS/MSD	APPL
055-YRMRY-WE1	Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1		APPL
055-YRMRY-WE1	E. coli	Environmental	1		Caltest
055-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
055-FRNIC-WE1	Total Hg, filtered	Environmental	1		Caltest
055-FRNIC-WE1	Total Hg, unfiltered	Environmental	1		Caltest
055-FRNIC-WE1	Methyl Hg, filtered	Environmental	1		Caltest
055-FRNIC-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
055-FRNIC-WE1	TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1		Caltest
055-FRNIC-WE1	NO3+NO2, TKN and Total P	Environmental	1		Caltest
055-FRNIC-WE1	TOC	Environmental	1		Caltest
055-FRNIC-WE1	DOC and UVA254	Environmental	1		Caltest
055-FRNIC-WE1	OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental	1		CRG
055-FRNIC-WE1	E. coli	Environmental	1		Caltest
055-FRNIC-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ FRNIC samples ▲					

## Event 055 Samples Collected by PER North

Sacramento River at Veterans Bridge					SRVET
Sample ID	Analyte Group	Sample Type	Rep	QA	Lab
<input checked="" type="checkbox"/> 055-SRVET-WB1	Total Hg, filtered	Field Blank	1	Field Blank	Caltest
<input checked="" type="checkbox"/> 055-SRVET-WB1	Methyl Hg, filtered	Field Blank	1	Field Blank	Caltest
<input checked="" type="checkbox"/> 055-SRVET-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRVET-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRVET-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRVET-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRVET-WE1	Sulfate, TSS	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRVET-WE1	OPs, pyrethroids, & triazines (EPA625m)	Environmental	1		CRG
<input checked="" type="checkbox"/> 055-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"/> 055-ARDPK-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-ARDPK-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-ARDPK-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-ARDPK-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-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"/> 055-SRFPT-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRFPT-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRFPT-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRFPT-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRFPT-WE1	Sulfate, TSS	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRFPT-WE1	Aquatic toxicity, 3 species	Environmental	1		PER
▲ SRFPT samples ▲					

## Event 055 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"/> 055-SRRMF-WE1	Total Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRRMF-WE1	Total Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRRMF-WE1	Methyl Hg, filtered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-SRRMF-WE1	Methyl Hg, unfiltered	Environmental	1		Caltest
<input checked="" type="checkbox"/> 055-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: 40.50779  
Latitude: 40.5082 Longitude: -122.3162 -122.31622  
Personnel: Lance Hines / Phuong Ho Date: 9/19/06 Arrival Time: 1430

**Field Measured Data**

Time (PST) 1450 Temp (°C) 22.5 pH 7.40 D. O. (mg/L) 6.30 EC (µS) 166 Midchannel Depth (ft) 0.7

**Flow Data**

Wet channel width (ft): 18 ft Stage (units): N/A

Flow and Depth recordings			#	Depth	Velocity
1	0.2	0.01	6	0.7	0.02
2	0.2	0.01	7	1.0	0.05
3	0.3	0.06			
4	0.6	0.06			
5	0.7	0.03			

**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
055-CHKNT-WB1	PEST20	Amber Glass, 1 L [2] none	N/A	Field Blank
055-CHKNT-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	X 0.4	
055-CHKNT-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	X 0.4	
055-CHKNT-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	X 0.4	
055-CHKNT-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	X 0.4	
055-CHKNT-WE1	CONV15	Polyethylene, 2 L [1] none	X 0.4	
055-CHKNT-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	X 0.4	
055-CHKNT-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	X 0.4	
055-CHKNT-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	X 0.4	
055-CHKNT-WE1	PEST15	Amber Glass, 1 L [2] none	X 0.4	
055-CHKNT-WE1	PEST20	Amber Glass, 1 L [2] none	X 0.4	
055-CHKNT-WE1	BACT10	Polyethylene, 125 mL [1] none	X 0.4	DTC
055-CHKNT-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	X 0.4	

Time at Completion of Sampling: 1530

Sampling Crew: PER North

**Additional Notes or Comments:**

Vegetation completely covers and grows across the creek @  
~ 21-25 feet upstream from sampling location.

# SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: Sacramento River below Keswick

Reference GPS Readings  
Latitude: 40.6011167 40.60993  
Longitude: -122.443333 -122.44606

Personnel: Quany Do / Lance Haines Date: 9/19/06 Arrival Time: 1330

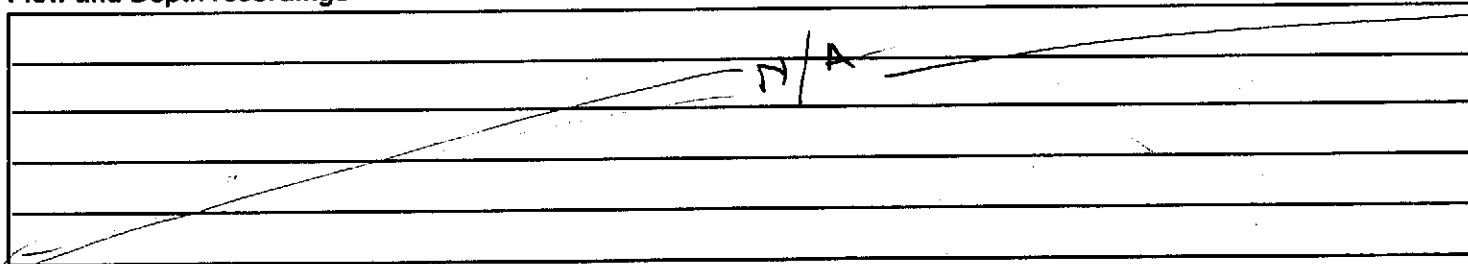
## Field Measured Data

Time (PST) Temp (°C) pH D. O. (mg/L) EC (µS) Midchannel Depth (ft)  
1345 14.10 7.70 10.92 114 NA

## Flow Data

Wet channel width (ft): 111 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
055-SRBKR-WB1	BACT10	Polyethylene, 125 mL [1] none	<u>N/A</u>	Field Blank
055-SRBKR-WE1	PEST10	Amber Glass, 1 L [2] none	<u>1</u>	
055-SRBKR-WE1	BACT10	Polyethylene, 125 mL [1] none	<u>0.05</u>	<u>PTC</u>
055-SRBKR-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	<u>1</u>	

Time at Completion of Sampling: 1345 1400  
LEH

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: 40.2886167 GPS Readings: 40.26707  
Latitude: 40.2886167 Longitude: -122.18555 -122.22031  
Personnel: Quang Do / Lance Haines Date: 9/13/06 Arrival Time: 1640

**Field Measured Data**

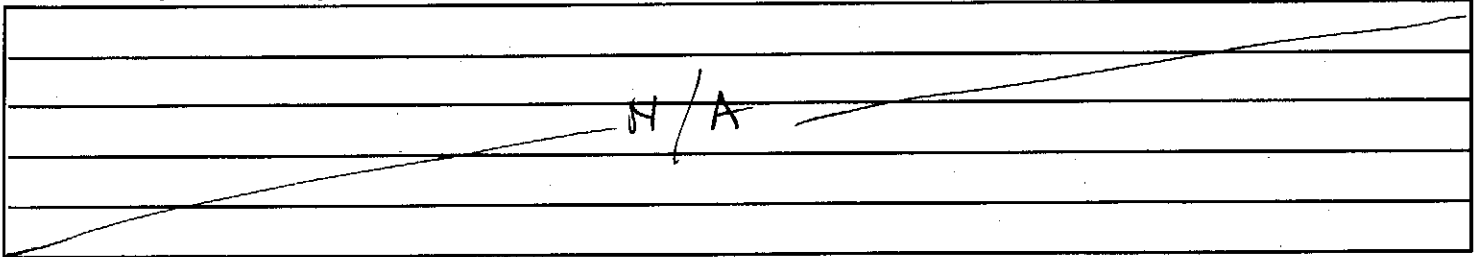
Time (PST) 1700 Temp (°C) 13.1 pH 7.88 D. O. (mg/L) 11.8 EC (µS) 103 Midchannel Depth (ft) 18.5

**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
055-SRABB-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	2	
055-SRABB-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	2	
055-SRABB-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	2	
055-SRABB-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	2	
055-SRABB-WE1	CONV16	Polyethylene, 2 L [1] none	2	
055-SRABB-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	2	
055-SRABB-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	2	
055-SRABB-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	2	
055-SRABB-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	DTC
055-SRABB-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	2	

Time at Completion of Sampling: 17:20

Sampling Crew: PER North

**Additional Notes or Comments:**

Strong current prevents sampling at middepth

# SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: Sacramento River near Hamilton City Reference: 39.752 GPS Readings: 39.7446  
 Latitude: 39.752 Longitude: -121.994 -121.9877  
 Personnel: Lance Haines / Quanaq Do Date: 9/20/06 Arrival Time: 7:30

## Field Measured Data

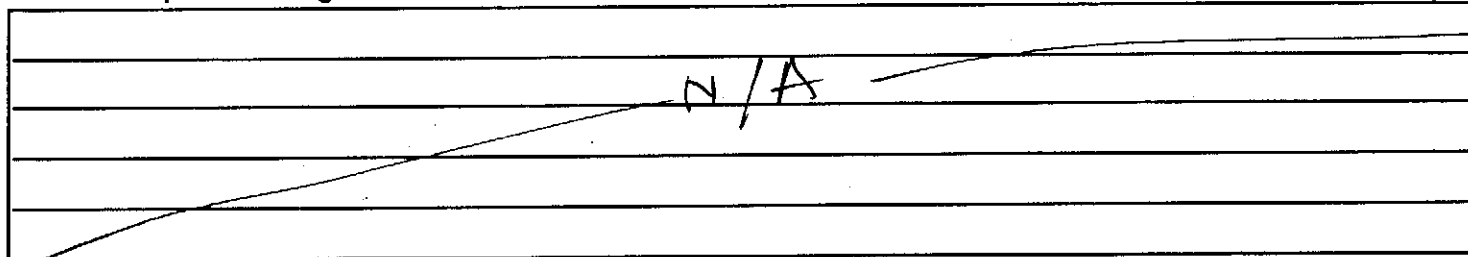
Time (PST) 8:00 Temp (°C) 13.8 pH 7.98 D. O. (mg/L) 10.5 EC (µS) 114 Midchannel Depth (ft) 9.0

## Flow Data

Wet channel width (ft): 585

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
055-SRHAM-	PEST16	Amber Glass, 1 L [2] none	N/A	Field Blank
055-SRHAM-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	4	
055-SRHAM-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	4	
055-SRHAM-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	4	
055-SRHAM-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	4	
055-SRHAM-WE1	CONV16	Polyethylene, 2 L [1] none	4	
055-SRHAM-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	4	
055-SRHAM-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	4	
055-SRHAM-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	4	
055-SRHAM-WE1	PEST16	Amber Glass, 1 L [2] none	4	
055-SRHAM-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	DTC
055-SRHAM-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	4	

Time at Completion of Sampling: 9:00

Sampling Crew: PER North

## Additional Notes or Comments:

Wind is ~ 20m/h

Resampled BACT 10 on 9/21/06

# SRWP FIELD SAMPLING DATA LOG SHEET

## Sacramento River Watershed Program

Site: Sacramento River at Colusa
 Reference: 39.2141667 GPS Readings: 39.21549  
 Latitude: 39.2141667 Longitude: -121.999167 122.00370  
 Personnel: Lance Haines / Quang Do Date: 9/20/06 Arrival Time: 10:45

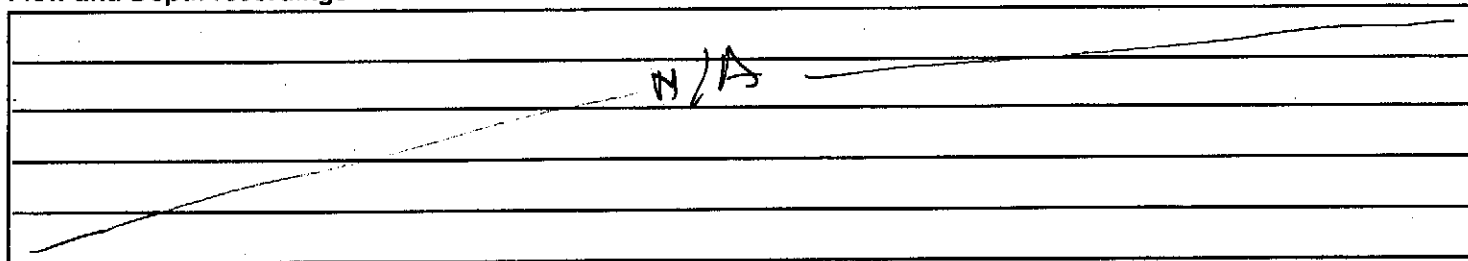
### Field Measured Data

Time (PST) 11:30 Temp (°C) 16.21 pH 8.16 D. O. (mg/L) 10.17 EC (μS) 123 Midchannel Depth (ft) 8.5

### Flow Data

Wet channel width (ft): 360 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
055-SRCOL-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	3.5	
055-SRCOL-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	3.5	
055-SRCOL-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	3.5	
055-SRCOL-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	3.5	
055-SRCOL-WE1	CONV16	Polyethylene, 2 L [1] none	3.5	
055-SRCOL-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	3.5	
055-SRCOL-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	3.5	
055-SRCOL-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	3.5	
055-SRCOL-WE1	PEST17	Amber Glass, 1 L [2] none	3.5	
055-SRCOL-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	DTC
055-SRCOL-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	3.5	

Time at Completion of Sampling: 1140

Sampling Crew: PER North

### Additional Notes or Comments:

\* Resampled  
 BACT10 on  
 9/21/06

Boat launch channel is very clogged with silt. Some dredging was done near the river but most of the channel is very shallow sometimes less than 6". we had to get out and pull. Moderate wind at ~ 15mph creates good flow.

# SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: Colusa Basin Drain above KL

Reference

GPS Readings

Latitude: 38.8120667

38.81153

Longitude: -121.774083

121.77435

Personnel: Quang Do / Lance Haines

Date: 8/9/2006

Arrival Time: 1530

## Field Measured Data

Time (PST)

Temp (°C)

pH

D. O. (mg/L)

EC (µS)

Midchannel  
Depth (ft)

1600

20.96

8.07

8.20

500

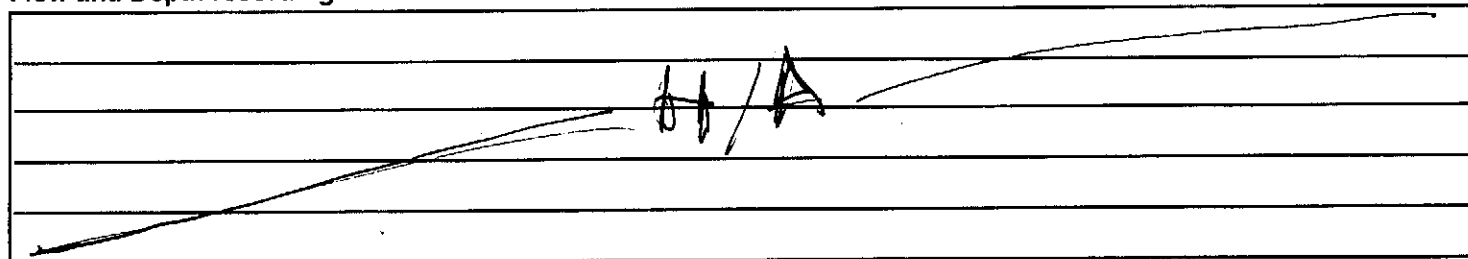
unknown

## Flow Data

Wet channel width (ft): 141

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
055-COLDR-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	1.5	
055-COLDR-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	1.5	
055-COLDR-WE2	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	1.5	Field Duplicate
055-COLDR-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	1.5	
055-COLDR-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	1.5	
055-COLDR-WE2	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	1.5	Field Duplicate
055-COLDR-WE2	CONV14	Polyethylene, 500 mL [1] none	1.5	Field Duplicate
055-COLDR-WE1	CONV15	Polyethylene, 2 L [1] none	1.5	
055-COLDR-WE2	CONV15	Polyethylene, 2 L [1] none	1.5	Field Duplicate
055-COLDR-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	1.5	
055-COLDR-WE2	CONV40	Polyethylene, 0.5 L [1] H2SO4	1.5	Field Duplicate
055-COLDR-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	1.5	
055-COLDR-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	1.5	
055-COLDR-WE2	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	1.5	Field Duplicate
055-COLDR-WE1	PEST16	Amber Glass, 1 L [2] none	1.5	
055-COLDR-WE2	PEST16	Amber Glass, 1 L [2] none	1.5	Field Duplicate
055-COLDR-WE1	PEST20	Amber Glass, 1 L [2] none	1.5	
055-COLDR-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	DTC
055-COLDR-WE1	ATOX30	PTFE-lined PE, 5 Gal [2] none	1.5	Lab Duplicate

at ~ 15 m/h  
Moderate wind creates good flow

# SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: Colusa Basin Drain above KL

Reference: 38.8120667 GPS Readings:                     

Longitude: -121.774083                     

Personnel: Quang Do / Lance Huines Date: 9/20/06 Arrival Time:                     

## Field Measured Data

Time (PST)                      Temp (°C)                      pH                      D. O. (mg/L)                      EC (µS)                      Midchannel Depth (ft)                     

## Flow Data

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

## 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:                     

Sampling Crew: PER North

Additional Notes or Comments:

# SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: Sacramento Slough
 Reference: 38.7833333
 GPS Readings: 38.80041 <sup>\*see COMMENTS</sup>  
 Latitude: 38.7833333
 Longitude: -121.63375
121.67200  
 Personnel: Lance Haines/Quang Do
 Date: 9/21/06
 Arrival Time: 16:15

## Field Measured Data

Time (PST) 16:45
 Temp (°C) 21
 pH 7.97
 D. O. (mg/L) 7.5
 EC (µS) 705
 Midchannel Depth (ft) unknown

## Flow Data

Wet channel width (ft): 152
 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
055-SACSL-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	1.5	
055-SACSL-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	1.5	
055-SACSL-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	1.5	
055-SACSL-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	1.5	
055-SACSL-WE1	CONV15	Polyethylene, 2 L [1] none	1.5	
055-SACSL-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	1.5	
055-SACSL-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	1.5	
055-SACSL-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	1.5	
055-SACSL-WE1	PEST16	Amber Glass, 1 L [2] none	1.5	
055-SACSL-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	DTC
055-SACSL-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	1.5	

Time at Completion of Sampling: 1700

Sampling Crew: PER North

## Additional Notes or Comments:

Due to boat's mechanical problem, sampling is done from shore and @ Reclamation Bridge and Ensley Rd.

# SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: Yuba River at Marysville

Reference

GPS Readings

Latitude: 39.144445

39.14200

Longitude: -121.576388

121.57611

Personnel: Quang DO, Lance Haines

Date: 9/20/06

Arrival Time: 1340

## Field Measured Data

Time (PST)

Temp (°C)

pH

D. O. (mg/L)

EC (µS)

Midchannel  
Depth (ft)

1430

20.15

8.49

10.31

95

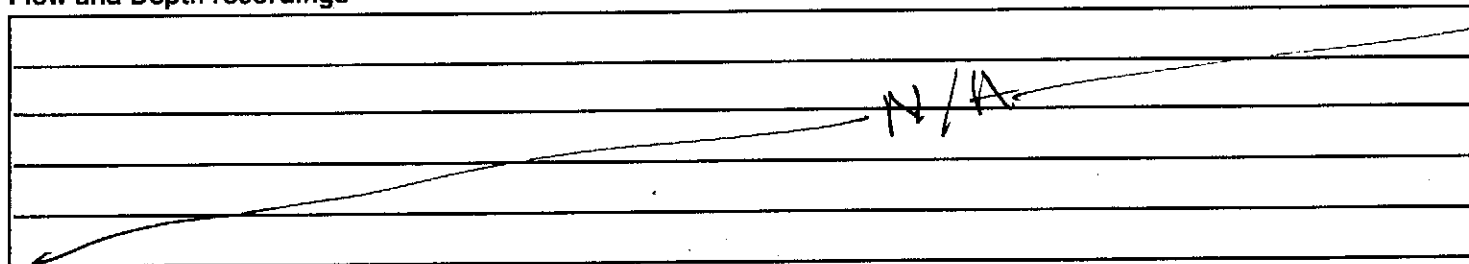
N/A

## Flow Data

Wet channel width (ft): 180

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
055-YRMRY-WB1	CONV12	Polyethylene, 500 mL [1] none	<u>N/A</u>	Field Blank
055-YRMRY-WB1	CONV40	Polyethylene, 0.5 L [1] H2SO4	<u>N/A</u>	Field Blank
055-YRMRY-WB1	CONV21	Amber glass, PTFE lined cap, 125 mL [1] none	<u>N/A</u>	Field Blank
055-YRMRY-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	<u>1.5</u>	
055-YRMRY-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	<u>1.5</u>	
055-YRMRY-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	<u>1.5</u>	
055-YRMRY-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	<u>1.5</u>	
055-YRMRY-WE1	CONV15	Polyethylene, 2 L [1] none	<u>1.5</u>	
055-YRMRY-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	<u>1.5</u>	
055-YRMRY-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	<u>1.5</u>	
055-YRMRY-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	<u>1.5</u>	
055-YRMRY-WE1	PEST17	Amber Glass, 1 L [2] none	<u>1.5</u>	MS/MSD
055-YRMRY-WE1	PEST20	Amber Glass, 1 L [6] none	<u>1.5</u>	MS/MSD
<del>055-YRMRY-WE1</del>	<del>PEST20</del>	<del>Amber Glass, 1 L [2] none</del>	<del>1.5</del>	
055-YRMRY-WE1	BACT10	Polyethylene, 125 mL [1] none	<u>0.5</u>	DTC
055-YRMRY-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	<u>1.5</u>	

Time at Completion of Sampling: 1440

Sampling Crew: PER North

Additional Notes or Comments:

water is low at summer level. Moderate wind ~ 20 mph creates good flow

# SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: Feather River near Nicolaus Reference: 38.903 GPS Readings: 38.79548  
 Latitude: 38.903 Longitude: -121.586167 -121.62967  
 Personnel: Lance Haines / Quang Do Date: 9/21/06 Arrival Time: 1155

## Field Measured Data

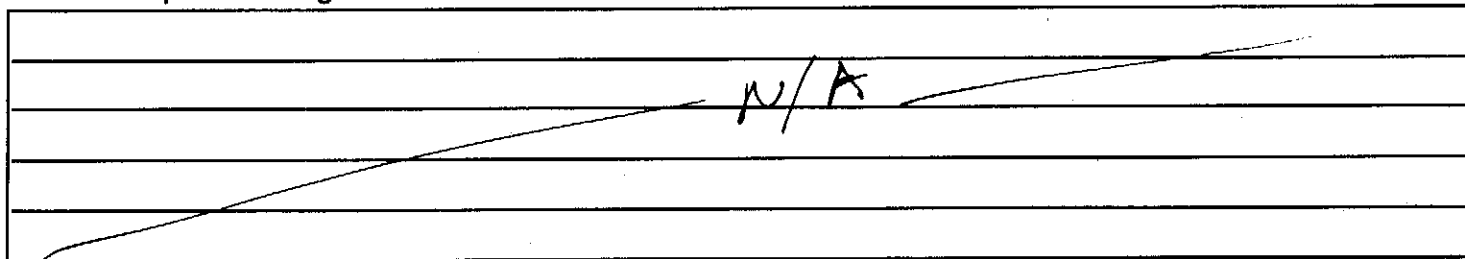
Time (PST) 12:20 Temp (°C) 21.2 pH 7.83 D. O. (mg/L) 9.3 EC (µS) 88 Midchannel Depth (ft) unknown

## Flow Data

Wet channel width (ft): 534

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
055-FRNIC-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	2	
055-FRNIC-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	2	
055-FRNIC-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	2	
055-FRNIC-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	2	
055-FRNIC-WE1	CONV15	Polyethylene, 2 L [1] none	2	
055-FRNIC-WE1	CONV40	Polyethylene, 0.5 L [1] H2SO4	2	
055-FRNIC-WE1	CONV22	VOA, PTFE lined cap, 40mL [3] H2SO4	2	
055-FRNIC-WE1	CONV23	Amber glass, PTFE lined cap, 250 mL [1] none	2	
055-FRNIC-WE1	PEST15	Amber Glass, 1 L [2] none	2	
055-FRNIC-WE1	BACT10	Polyethylene, 125 mL [1] none	0.05	DTC
055-FRNIC-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	2	

Time at Completion of Sampling: 1250

Sampling Crew: PER North

## Additional Notes or Comments:

Due to boat's mechanical problem, sampling is done from shore

**SRWP FIELD SAMPLING DATA LOG SHEET**  
Sacramento River Watershed Program

Site: Sacramento River at Veterans Bridge Reference: 38.6746833 GPS Readings: 38.67250  
Latitude: 38.6746833 Longitude: -121.627517 121.62500  
Personnel: Quang Do / Lance Haines Date: 9/21/06 Arrival Time: 1300

**Field Measured Data**

Time (PST) 13:20 Temp (°C) 22.28 pH 7.74 D. O. (mg/L) 9.23 EC (µS) 173 Midchannel Depth (ft) N/A

Flow Data Wet channel width (ft): 498 Stage (units): \_\_\_\_\_

**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
055-SRVET-WB1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	<u>N/A</u>	Field Blank
055-SRVET-WB1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	<u>N/A</u>	Field Blank
055-SRVET-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	<u>2</u>	
055-SRVET-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	<u>2</u>	
055-SRVET-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	<u>2</u>	
055-SRVET-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	<u>2</u>	
055-SRVET-WE1	CONV14	Polyethylene, 500 mL [1] none	<u>2</u>	
055-SRVET-WE1	PEST14	Amber Glass, 1 L [2] none	<u>2</u>	
055-SRVET-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	<u>2</u>	

Time at Completion of Sampling: 13:45

Sampling Crew: PER North

**Additional Notes or Comments:**

Due to mechanical problem, sampling is done from shore

# SRWP FIELD SAMPLING DATA LOG SHEET

Sacramento River Watershed Program

Site: American River at Discovery Park
 Reference: 38.60195
 GPS Readings: 38.60155  
 Longitude: -121.501117
121.50148  
 Personnel: Quang Do - Lance Haines
 Date: 9/24/06
 Arrival Time: 1715

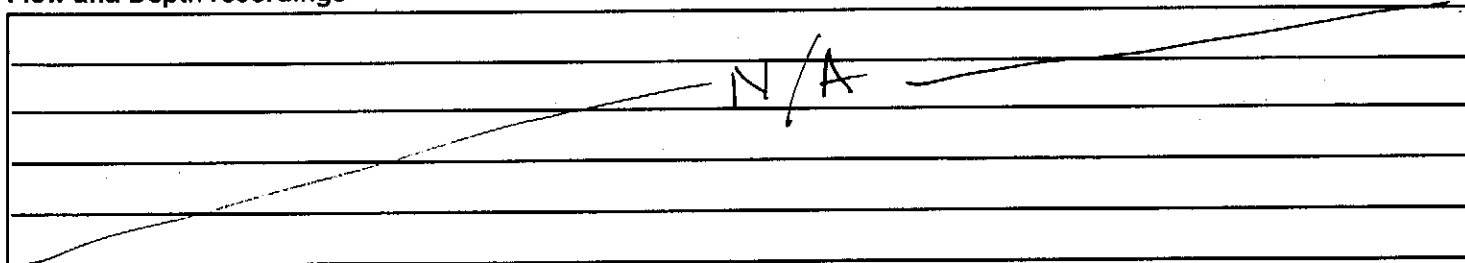
## Field Measured Data

Time (PST)	Temp (°C)	pH	D. O. (mg/L)	EC (µS)	Midchannel Depth (ft)
1800	17.37	6.62	9.17	42	8.4

## Flow Data

Wet channel width (ft): 486 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
055-ARDPK-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	4.0	
055-ARDPK-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	4.0	
055-ARDPK-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	4.0	
055-ARDPK-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	4.0	
055-ARDPK-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	4.0	

Time at Completion of Sampling: 1830

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: 38.46087  
 Latitude: 38.45815 Longitude: -121.502633 -121.50336  
 Personnel: Quang Do / Lance Haines Date: 9/21/06 Arrival Time: 8:55

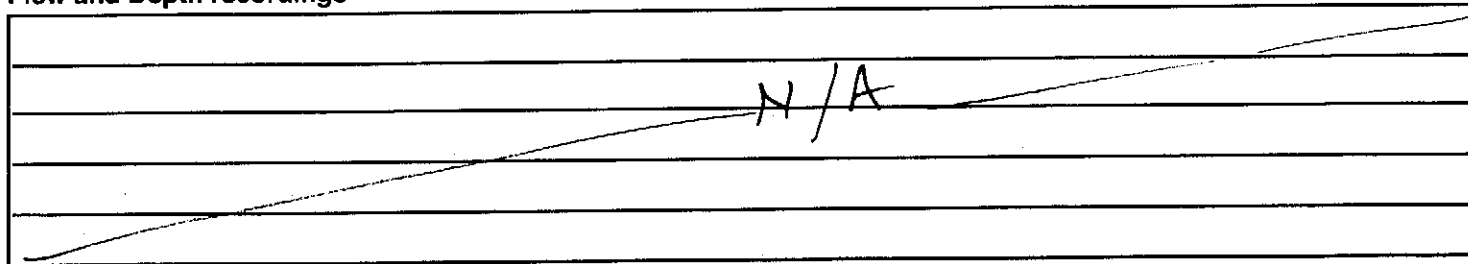
**Field Measured Data**

Time (PST) 9:00 Temp (°C) 18.0 pH 7.79 D. O. (mg/L) 9.0 EC (µS) 161 Midchannel Depth (ft) 23.5

**Flow Data**

Wet channel width (ft): 561 Stage (units): 26.5

**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
055-SRFPT-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	6	
055-SRFPT-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	6	
055-SRFPT-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	6	
055-SRFPT-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	6	
055-SRFPT-WE1	CONV14	Polyethylene, 500 mL [1] none	6	
055-SRFPT-WE1	ATOX30	PTFE-lined PE, 5 Gal [1] none	6	

Time at Completion of Sampling: 9:45

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

38.43492

Longitude: -121.519167

121.52652

Personnel: Lance Haines / Quang Do

Date: 9/21/06

Arrival Time: 8:15

## Field Measured Data

Midchannel

Depth (ft)

Time (PST)

Temp (°C)

pH

D. O. (mg/L)

EC (µS)

8:30

18.2

7.62

8.9

172

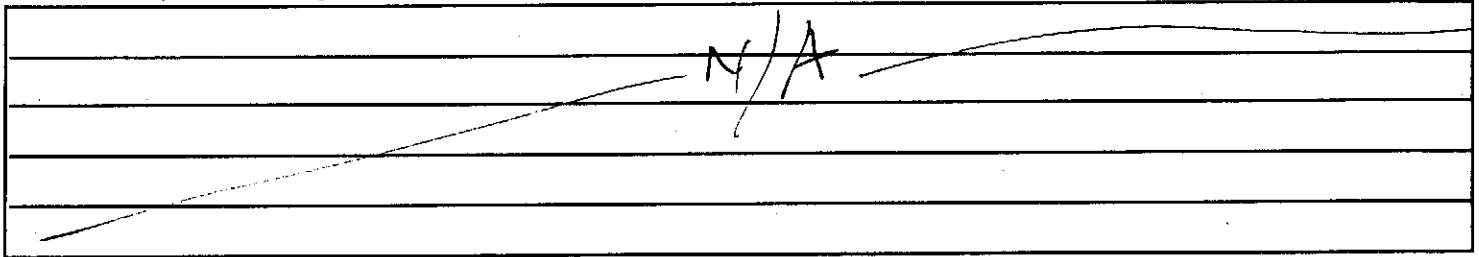
20.0

## Flow Data

Wet channel width (ft): 660

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
055-SRRMF-WE1	HGTF11	Amber glass, PTFE lined cap, 500 mL [1] none	6	
055-SRRMF-WE1	HGTU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	6	
055-SRRMF-WE1	HGMF11	Amber glass, PTFE lined cap, 500 mL [1] none	6	
055-SRRMF-WE1	HGMU12	Amber glass, PTFE lined cap, 500 mL [1] HCL	6	
055-SRRMF-WE1	CONV14	Polyethylene, 500 mL [1] none	6	

Time at Completion of Sampling: 8:40

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"/> 055-CHKNT-WB1	Churn Creek at Knighton Road	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Field Blank	1	Field Blank
<input checked="" type="checkbox"/> 055-CHKNT-WE1	Churn Creek at Knighton Road	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1	
<input checked="" type="checkbox"/> 055-COLDR-WE1	Colusa Basin Drain above KL	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1	
<input checked="" type="checkbox"/> 055-YRMRY-WE1	Yuba River at Marysville	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1	MS/MSD
<input checked="" type="checkbox"/> 055-YRMRY-WE1	Yuba River at Marysville	PEST20 Carbamates, urea pesticides (L-L EPA 632/8321)	Environmental	1	<i>extra entries</i>

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
055-CHKNT-WE1	Churn Creek at Knighton Road	HGTF11 Total Hg, filtered	Environmental	1
055-CHKNT-WE1	Churn Creek at Knighton Road	HGTU12 Total Hg, unfiltered	Environmental	1
055-CHKNT-WE1	Churn Creek at Knighton Road	HGMF11 Methyl Hg, filtered	Environmental	1
055-CHKNT-WE1	Churn Creek at Knighton Road	HGMU12 Methyl Hg, unfiltered	Environmental	1
055-CHKNT-WE1	Churn Creek at Knighton Road	CONV15 TSS, TDS, Turbidity, Dis. Ortho-P	Environmental	1
055-CHKNT-WE1	Churn Creek at Knighton Road	CONV40 NO3+NO2, TKN and Total P	Environmental	1
055-CHKNT-WE1	Churn Creek at Knighton Road	CONV22 TOC	Environmental	1
055-CHKNT-WE1	Churn Creek at Knighton Road	CONV23 DOC and UVA254	Environmental	1
055-CHKNT-WE1	Churn Creek at Knighton Road	BACT10 E. coli	Environmental	1
055-SRBKR-WB1	Sacramento River below Keswick	BACT10 E. coli	Field Blank	1
055-SRBKR-WB1	Sacramento River below Keswick	BACT10 E. coli	Environmental	1
055-SRABB-WE1	Sacramento River above Bend Bridge	HGTF11 Total Hg, filtered	Environmental	1
055-SRABB-WE1	Sacramento River above Bend Bridge	HGTU12 Total Hg, unfiltered	Environmental	1
055-SRABB-WE1	Sacramento River above Bend Bridge	HGMF11 Methyl Hg, filtered	Environmental	1
055-SRABB-WE1	Sacramento River above Bend Bridge	HGMU12 Methyl Hg, unfiltered	Environmental	1
055-SRABB-WE1	Sacramento River above Bend Bridge	CONV16 TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	1
055-SRABB-WE1	Sacramento River above Bend Bridge	CONV40 NO3+NO2, TKN and Total P	Environmental	1
055-SRABB-WE1	Sacramento River above Bend Bridge	CONV22 TOC	Environmental	1
055-SRABB-WE1	Sacramento River above Bend Bridge	CONV23 DOC and UVA254	Environmental	1
055-SRABB-WE1	Sacramento River above Bend Bridge	BACT10 E. coli	Environmental	1
055-SRHAM-WE1	Sacramento River near Hamilton City	HGTF11 Total Hg, filtered	Environmental	1
055-SRHAM-WE1	Sacramento River near Hamilton City	HGTU12 Total Hg, unfiltered	Environmental	1
055-SRHAM-WE1	Sacramento River near Hamilton City	HGMF11 Methyl Hg, filtered	Environmental	1
055-SRHAM-WE1	Sacramento River near Hamilton City	HGMU12 Methyl Hg, unfiltered	Environmental	1
055-SRHAM-WE1	Sacramento River near Hamilton City	CONV16 TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental	1
055-SRHAM-WE1	Sacramento River near Hamilton City	CONV40 NO3+NO2, TKN and Total P	Environmental	1
055-SRHAM-WE1	Sacramento River near Hamilton City	CONV22 TOC	Environmental	1
055-SRHAM-WE1	Sacramento River near Hamilton City	CONV23 DOC and UVA254	Environmental	1
055-SRHAM-WE1	Sacramento River near Hamilton City	BACT10 E. coli	Environmental	1
055-SRRCOL-WE1	Sacramento River at Colusa	HGTF11 Total Hg, filtered	Environmental	1
055-SRRCOL-WE1	Sacramento River at Colusa	HGTU12 Total Hg, unfiltered	Environmental	1
055-SRRCOL-WE1	Sacramento River at Colusa	HGMF11 Methyl Hg, filtered	Environmental	1
055-SRRCOL-WE1	Sacramento River at Colusa	HGMU12 Methyl Hg, unfiltered	Environmental	1

## Samples Analyzed by Caltest

### Samples Collected by PER North

Sample ID	Site Description	Analyte Group	Sample Type & Rep	QA Info
055-SRCOL-WE1	Sacramento River at Colusa	CONV16 TSS, TDS, Turbidity, Dis. Ortho-P, Sulfate	Environmental 1	
055-SRCOL-WE1	Sacramento River at Colusa	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
055-SRCOL-WE1	Sacramento River at Colusa	CONV22 TOC	Environmental 1	
055-SRCOL-WE1	Sacramento River at Colusa	CONV23 DOC and UVA254	Environmental 1	
055-SRCOL-WE1	Sacramento River at Colusa	BACT10 E. coli	Environmental 1	
055-COLDR-WE1	Colusa Basin Drain above KL	HGTF11 Total Hg, filtered	Environmental 1	
055-COLDR-WE2	Colusa Basin Drain above KL	HGTF11 Total Hg, filtered	Environmental 2	Field Duplicate
055-COLDR-WE1	Colusa Basin Drain above KL	HGTU12 Total Hg, unfiltered	Environmental 1	
055-COLDR-WE1	Colusa Basin Drain above KL	HGMF11 Methyl Hg, filtered	Environmental 1	
055-COLDR-WE2	Colusa Basin Drain above KL	HGMF11 Methyl Hg, filtered	Environmental 2	Field Duplicate
055-COLDR-WE1	Colusa Basin Drain above KL	HGMU12 Methyl Hg, unfiltered	Environmental 1	
055-COLDR-WE2	Colusa Basin Drain above KL	CONV14 Sulfate, TSS	Environmental 2	Field Duplicate
055-COLDR-WE1	Colusa Basin Drain above KL	CONV15 TSS, TDS, Turbidity, Dis. Ortho-P	Environmental 1	
055-COLDR-WE2	Colusa Basin Drain above KL	CONV15 TSS, TDS, Turbidity, Dis. Ortho-P	Environmental 2	Field Duplicate
055-COLDR-WE1	Colusa Basin Drain above KL	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
055-COLDR-WE2	Colusa Basin Drain above KL	CONV40 NO3+NO2, TKN and Total P	Environmental 2	Field Duplicate
055-COLDR-WE1	Colusa Basin Drain above KL	CONV22 TOC	Environmental 1	
055-COLDR-WE1	Colusa Basin Drain above KL	CONV23 DOC and UVA254	Environmental 1	
055-COLDR-WE2	Colusa Basin Drain above KL	CONV23 DOC and UVA254	Environmental 2	Field Duplicate
055-COLDR-WE1	Colusa Basin Drain above KL	BACT10 E. coli	Environmental 1	
055-SACSL-WE1	Sacramento Slough	HGTF11 Total Hg, filtered	Environmental 1	
055-SACSL-WE1	Sacramento Slough	HGTU12 Total Hg, unfiltered	Environmental 1	
055-SACSL-WE1	Sacramento Slough	HGMF11 Methyl Hg, filtered	Environmental 1	
055-SACSL-WE1	Sacramento Slough	HGMU12 Methyl Hg, unfiltered	Environmental 1	
055-SACSL-WE1	Sacramento Slough	CONV15 TSS, TDS, Turbidity, Dis. Ortho-P	Environmental 1	
055-SACSL-WE1	Sacramento Slough	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
055-SACSL-WE1	Sacramento Slough	CONV22 TOC	Environmental 1	
055-SACSL-WE1	Sacramento Slough	CONV23 DOC and UVA254	Environmental 1	
055-SACSL-WE1	Sacramento Slough	BACT10 E. coli	Environmental 1	
055-YRMRY-WB1	Yuba River at Marysville	CONV12 Dissolved Ortho-Phosphate	Field Blank 1	Field Blank
055-YRMRY-WB1	Yuba River at Marysville	CONV40 NO3+NO2, TKN and Total P	Field Blank 1	Field Blank
055-YRMRY-WB1	Yuba River at Marysville	CONV21 DOC	Field Blank 1	Field Blank
055-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
<input checked="" type="checkbox"/> 055-YRMRY-WE1	Yuba River at Marysville	HGTU12 Total Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 055-YRMRY-WE1	Yuba River at Marysville	HGMF11 Methyl Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 055-YRMRY-WE1	Yuba River at Marysville	HGMU12 Methyl Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 055-YRMRY-WE1	Yuba River at Marysville	CONV15 TSS, TDS, Turbidity, Dis. Ortho-P	Environmental 1	
<input checked="" type="checkbox"/> 055-YRMRY-WE1	Yuba River at Marysville	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
<input checked="" type="checkbox"/> 055-YRMRY-WE1	Yuba River at Marysville	CONV22 TOC	Environmental 1	
<input checked="" type="checkbox"/> 055-YRMRY-WE1	Yuba River at Marysville	CONV23 DOC and UVA254	Environmental 1	
<input checked="" type="checkbox"/> 055-YRMRY-WE1	Yuba River at Marysville	BACT10 E. coli	Environmental 1	
<input checked="" type="checkbox"/> 055-FRNIC-WE1	Feather River near Nicolaus	HGTU12 Total Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 055-FRNIC-WE1	Feather River near Nicolaus	HGTU12 Total Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 055-FRNIC-WE1	Feather River near Nicolaus	HGMF11 Methyl Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 055-FRNIC-WE1	Feather River near Nicolaus	HGMU12 Methyl Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 055-FRNIC-WE1	Feather River near Nicolaus	CONV15 TSS, TDS, Turbidity, Dis. Ortho-P	Environmental 1	
<input checked="" type="checkbox"/> 055-FRNIC-WE1	Feather River near Nicolaus	CONV40 NO3+NO2, TKN and Total P	Environmental 1	
<input checked="" type="checkbox"/> 055-FRNIC-WE1	Feather River near Nicolaus	CONV22 TOC	Environmental 1	
<input checked="" type="checkbox"/> 055-FRNIC-WE1	Feather River near Nicolaus	CONV23 DOC and UVA254	Environmental 1	
<input checked="" type="checkbox"/> 055-FRNIC-WE1	Feather River near Nicolaus	BACT10 E. coli	Environmental 1	
<input checked="" type="checkbox"/> 055-SRVET-WB1	Sacramento River at Veterans Bridge	HGTU12 Total Hg, filtered	Field Blank 1	Field Blank
<input checked="" type="checkbox"/> 055-SRVET-WB1	Sacramento River at Veterans Bridge	HGMF11 Methyl Hg, filtered	Field Blank 1	Field Blank
<input checked="" type="checkbox"/> 055-SRVET-WE1	Sacramento River at Veterans Bridge	HGTU12 Total Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 055-SRVET-WE1	Sacramento River at Veterans Bridge	HGTU12 Total Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 055-SRVET-WE1	Sacramento River at Veterans Bridge	HGMF11 Methyl Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 055-SRVET-WE1	Sacramento River at Veterans Bridge	HGMU12 Methyl Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 055-SRVET-WE1	Sacramento River at Veterans Bridge	CONV14 Sulfate, TSS	Environmental 1	
<input checked="" type="checkbox"/> 055-ARDPK-WE1	American River at Discovery Park	HGTU12 Total Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 055-ARDPK-WE1	American River at Discovery Park	HGTU12 Total Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 055-ARDPK-WE1	American River at Discovery Park	HGMF11 Methyl Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 055-ARDPK-WE1	American River at Discovery Park	HGMU12 Methyl Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 055-SRFPT-WE1	Sacramento River at Freeport	HGTU12 Total Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 055-SRFPT-WE1	Sacramento River at Freeport	HGTU12 Total Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 055-SRFPT-WE1	Sacramento River at Freeport	HGMF11 Methyl Hg, filtered	Environmental 1	
<input checked="" type="checkbox"/> 055-SRFPT-WE1	Sacramento River at Freeport	HGMU12 Methyl Hg, unfiltered	Environmental 1	
<input checked="" type="checkbox"/> 055-SRFPT-WE1	Sacramento River at Freeport	CONV14 Sulfate, TSS	Environmental 1	

## Samples Analyzed by Caltest

Samples Collected by PER North

Sample ID	Site Description	Analyte Group	Sample Type & Rep	QA Info
055-SRRMF-WE1	Sacramento River at River Mile 44	HGTF11 Total Hg, filtered	Environmental 1	
055-SRRMF-WE1	Sacramento River at River Mile 44	HGTU12 Total Hg, unfiltered	Environmental 1	
055-SRRMF-WE1	Sacramento River at River Mile 44	HGMF11 Methyl Hg, filtered	Environmental 1	
055-SRRMF-WE1	Sacramento River at River Mile 44	HGMU12 Methyl Hg, unfiltered	Environmental 1	
055-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
055-CHKNT-WE1	Churn Creek at Knighton Road	PEST15 OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental 1	
055-SRBKR-WE1	Sacramento River below Keswick	PEST10 OP pesticides (EPA625m)	Environmental 1	
055-SRHAM-WB1	Sacramento River near Hamilton City	PEST16 OPs, pyrethroids, & OCs (EPA625m)	Field Blank 1	Field Blank
055-SRHAM-WE1	Sacramento River near Hamilton City	PEST16 OPs, pyrethroids, & OCs (EPA625m)	Environmental 1	
055-SRCOL-WE1	Sacramento River at Colusa	PEST17 OPs, & pyrethroids (EPA625m)	Environmental 1	
055-COLDR-WE1	Colusa Basin Drain above KL	PEST16 OPs, pyrethroids, & OCs (EPA625m)	Environmental 1	
055-COLDR-WE2	Colusa Basin Drain above KL	PEST16 OPs, pyrethroids, & OCs (EPA625m)	Environmental 2	Field Duplicate
055-SACSL-WE1	Sacramento Slough	PEST16 OPs, pyrethroids, & OCs (EPA625m)	Environmental 1	
055-YRMRY-WE1	Yuba River at Marysville	PEST17 OPs, & pyrethroids (EPA625m)	Environmental 1	MS/MSD
055-FRNIC-WE1	Feather River near Nicolaus	PEST15 OPs, pyrethroids, triazines, & OCs (EPA625m)	Environmental 1	
055-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
<input checked="" type="checkbox"/> 055-CHKNT-WE1	Chum Creek at Knighton Road	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
<input checked="" type="checkbox"/> 055-SRBKR-WE1	Sacramento River below Keswick	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
<input checked="" type="checkbox"/> 055-SRABB-WE1	Sacramento River above Bend Bridge	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
<input checked="" type="checkbox"/> 055-SRHAM-WE1	Sacramento River near Hamilton City	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
<input checked="" type="checkbox"/> 055-SRCOL-WE1	Sacramento River at Colusa	ATOX30 Aquatic toxicity, 3 species	Environmental 1	Lab Duplicate
<input checked="" type="checkbox"/> 055-COLDR-WE1	Colusa Basin Drain above KL	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
<input checked="" type="checkbox"/> 055-SACSL-WE1	Sacramento Slough	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
<input checked="" type="checkbox"/> 055-YRMRY-WE1	Yuba River at Marysville	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
<input checked="" type="checkbox"/> 055-FRNIC-WE1	Feather River near Nicolaus	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
<input checked="" type="checkbox"/> 055-SRVET-WE1	Sacramento River at Veterans Bridge	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
<input checked="" type="checkbox"/> 055-ARDPK-WE1	American River at Discovery Park	ATOX30 Aquatic toxicity, 3 species	Environmental 1	
<input checked="" type="checkbox"/> 055-SRFPT-WE1	Sacramento River at Freeport	ATOX30 Aquatic toxicity, 3 species	Environmental 1	

### COC Analysis Notes for PER: