Appendix 1

SWAMP Labor Day 2008 Recreation Study

Data Sheets

(2 pages per site)

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DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: American River, North Fork, at Yankee Jims Road
SWAMP Site ID: 514AMR800
Watershed: American River Watershed
County: Placer
Longitude: -120.902417
Latitude: 39.041133

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	<1.0	<1.0	1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	142.1	141.9	n/a
pH	6.5-8.5 (Basin Plan Objective)	8.7	6.54	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	26.6	24.1	23.3

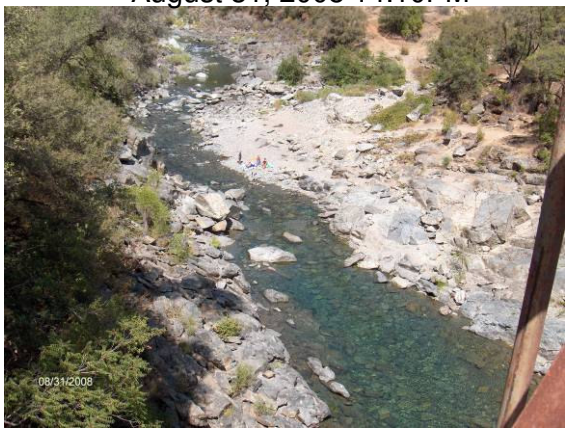
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

American River, North Fork, at Yankee Jims Road (514AMR800)

August 27, 2008 16:50PM

August 31, 2008 14:10PM



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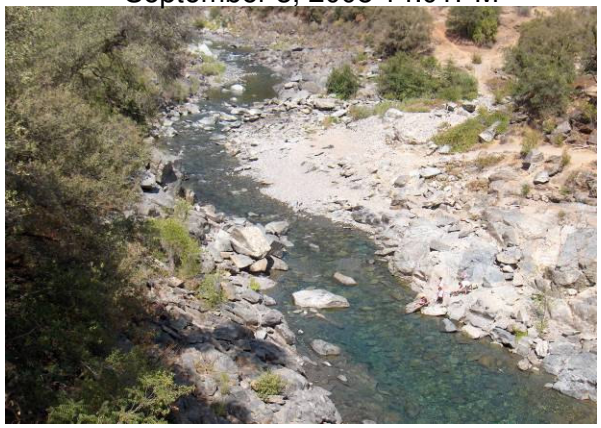
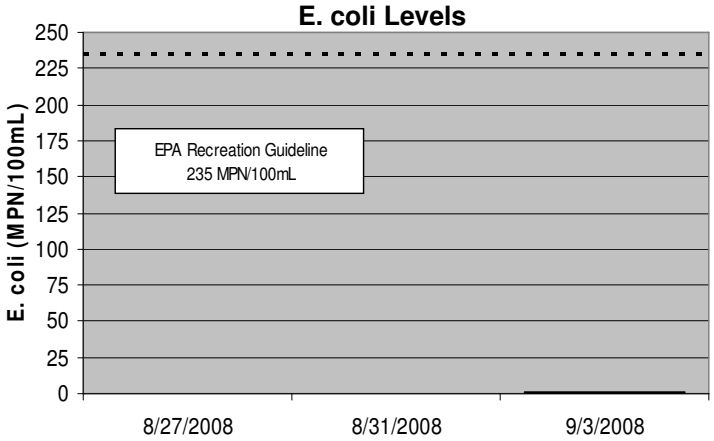
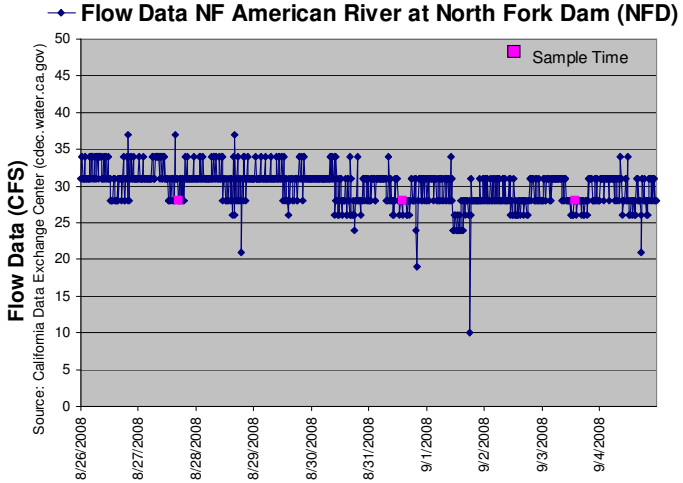
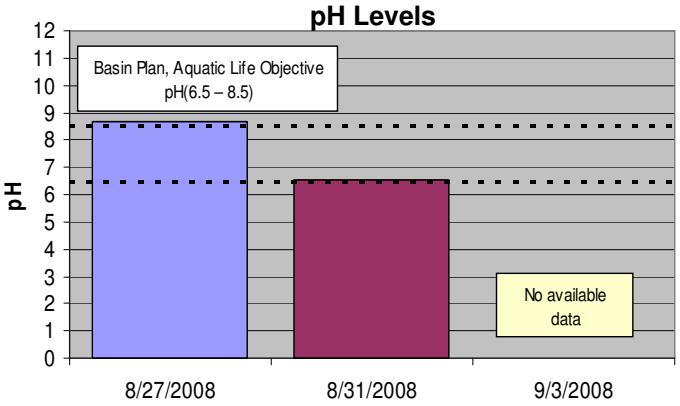


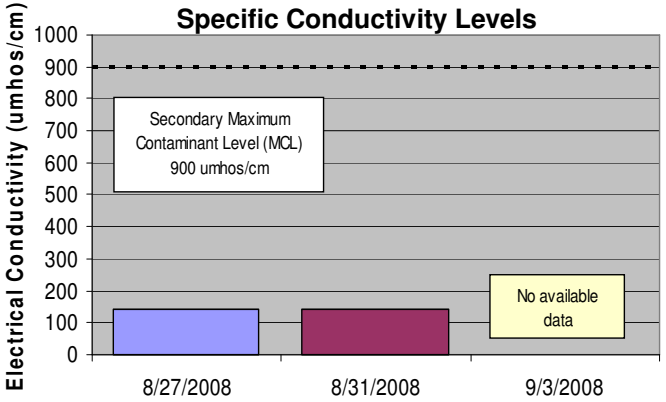
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

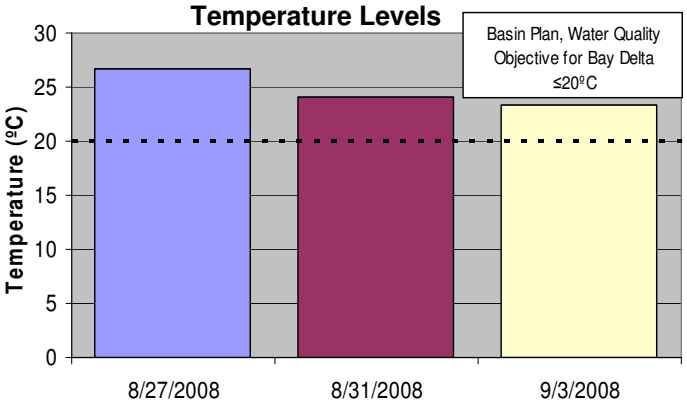
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: American River, North Fork, at Ponderosa Way
SWAMP Site ID: 514AMR801
Watershed: American River Watershed
County: Placer
Longitude: -120.941050
Latitude: 38.999600

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	4.1	<1.0	1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	138.7	143	n/a
pH	6.5-8.5 (Basin Plan Objective)	8.84	6.73	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta	27.8	23.6	22.8

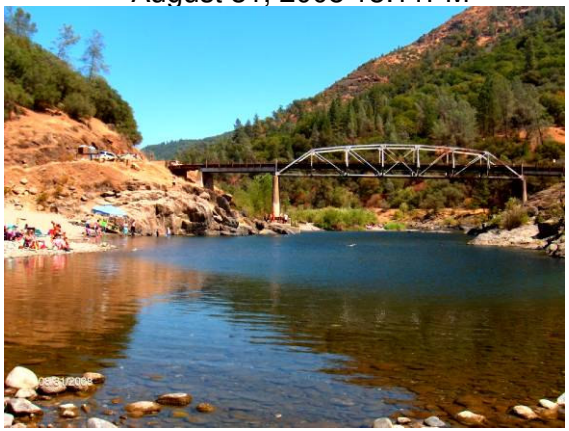
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

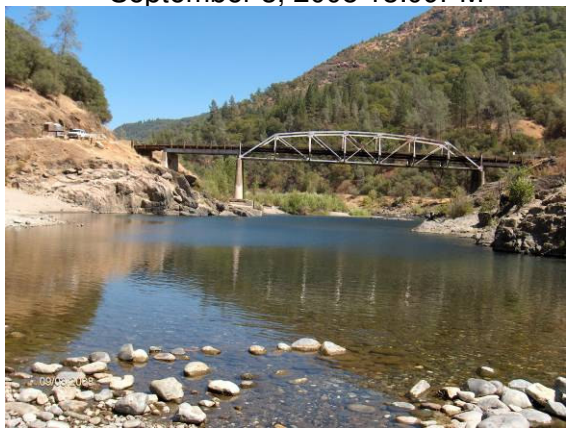
American River, North Fork, at Ponderosa Way (514AMR801)

August 27, 2008 15:56PM

August 31, 2008 13:11PM

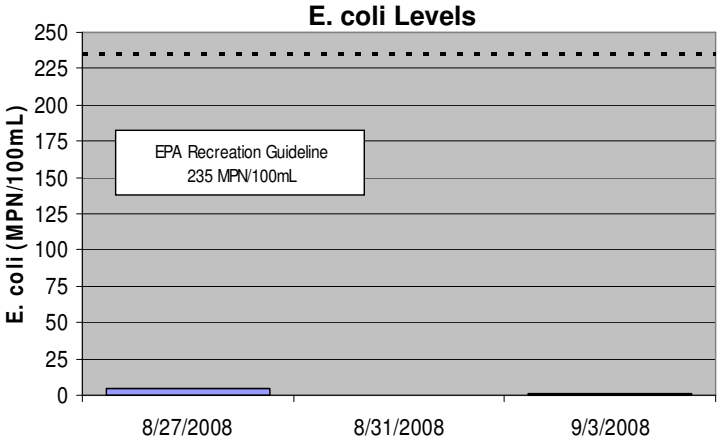


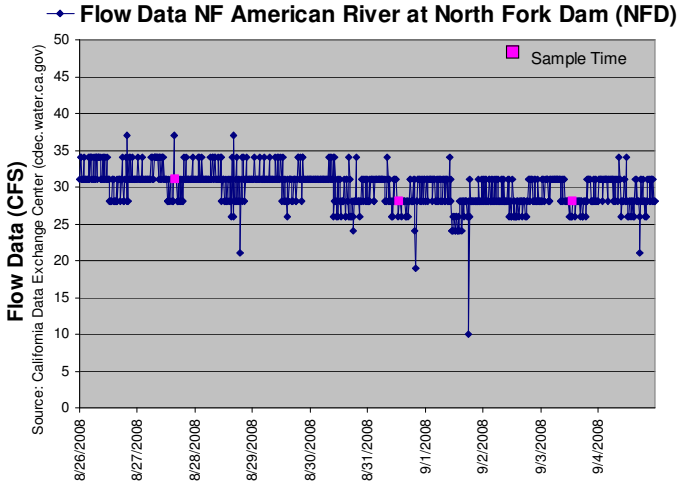
September 3, 2008 13:09PM

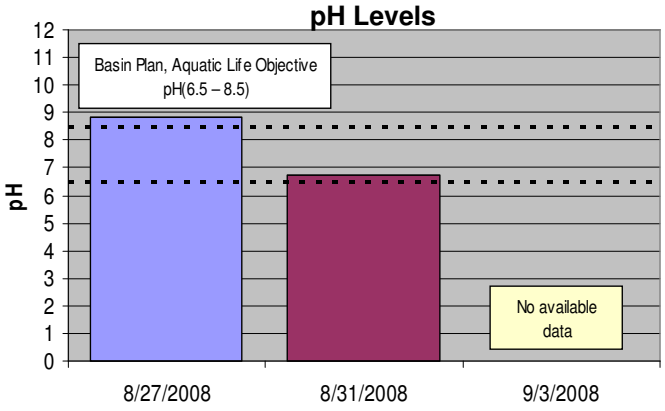


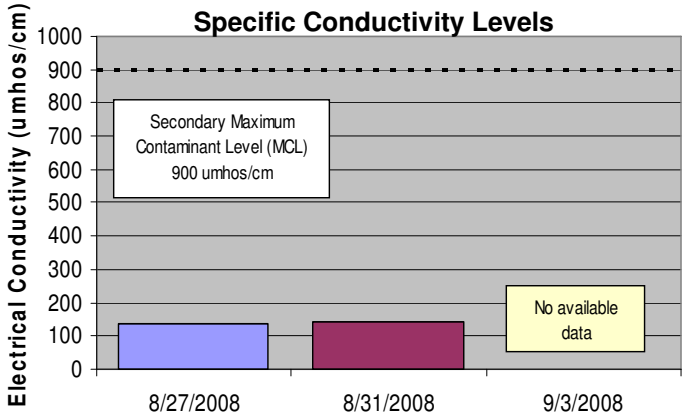
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

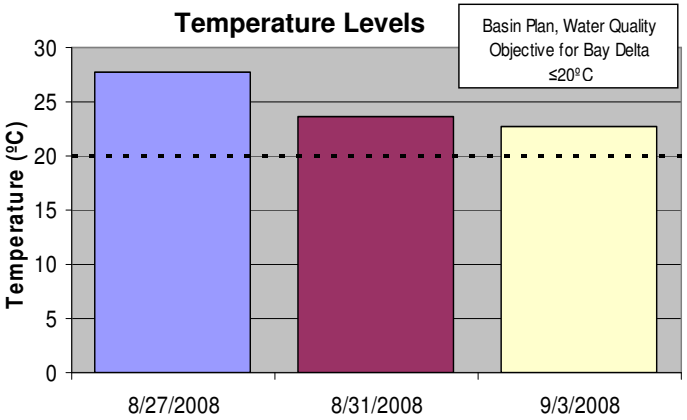
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: American River, North Fork, at Middle Fork Confluence
SWAMP Site ID: 514AMR802
Watershed: American River Watershed
County: Placer
Longitude: -121.036300
Latitude: 38.916267

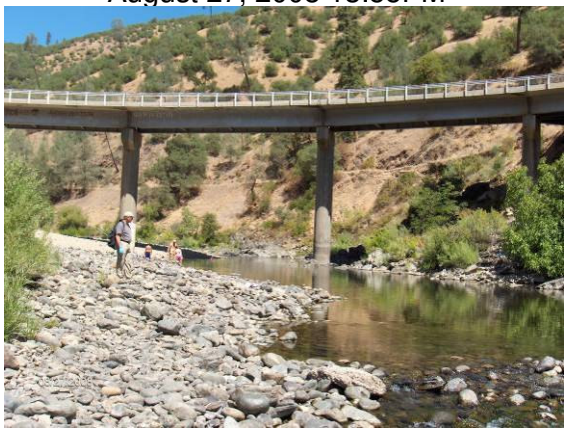
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	4.1	<1.0	8.6
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	133	116	110.5
pH	6.5-8.5 (Basin Plan Objective)	8.5	6.67	6.55
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	25.63	23.3	22.5

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

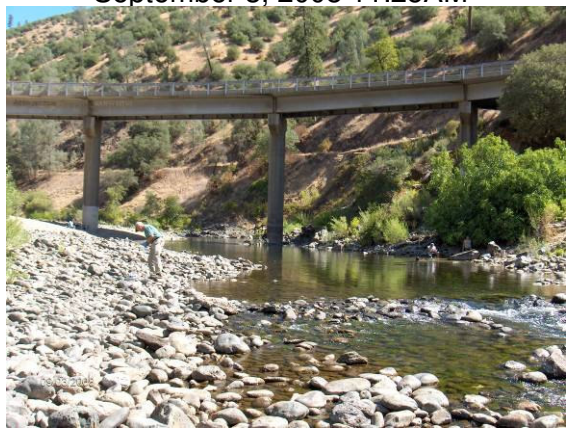
American River, North Fork, at Middle Fork Confluence (514AMR802)

August 27, 2008 13:55PM



August 31, 2008 11:11AM

September 3, 2008 11:25AM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

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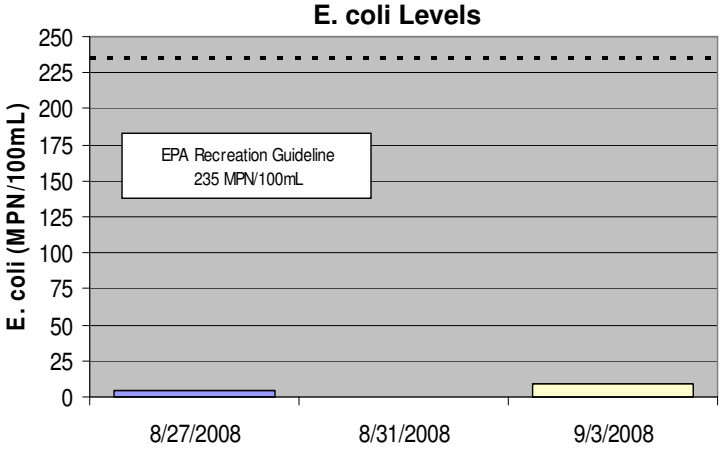
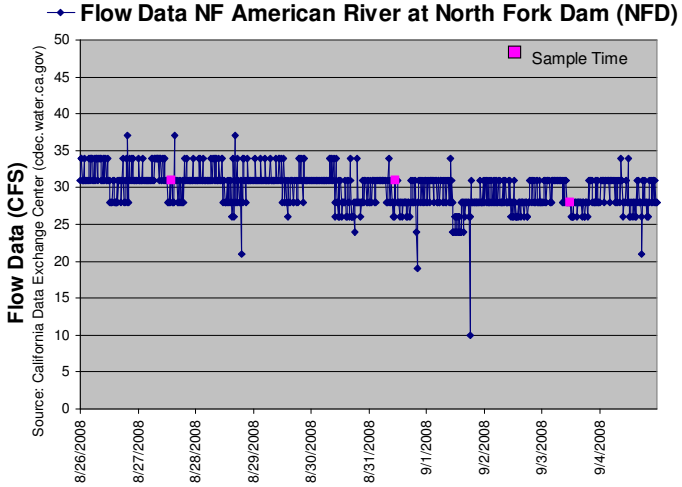
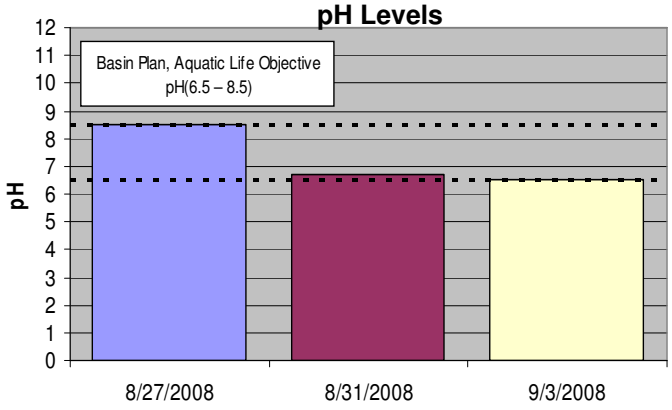
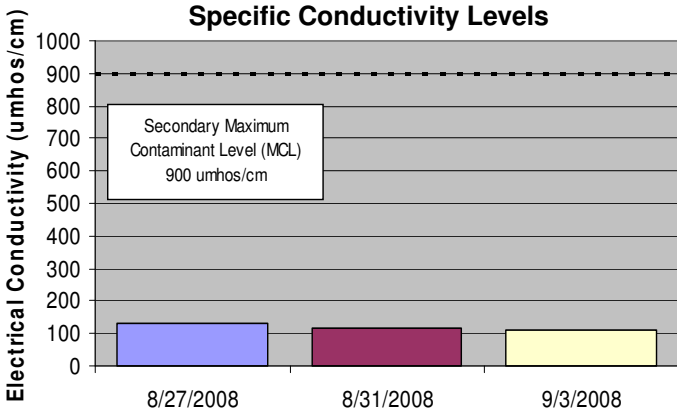
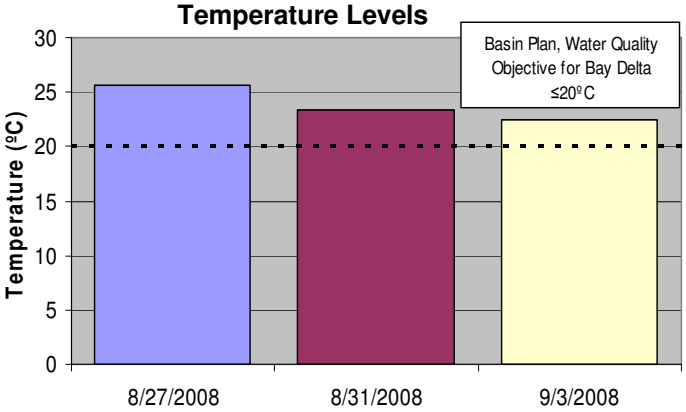










DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: American River, Middle Fork, at Driver's Flat
SWAMP Site ID: 514AMR803
Watershed: American River Watershed
County: Placer
Longitude: -120.932967
Latitude: 38.963217

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	5.2	5.2	2
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	34.6	38	37.11
pH	6.5-8.5 (Basin Plan Objective)	8.82	6.98	5.1
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	17.8	17	14.4

•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

American River, Middle Fork, at Driver's Flat (514AMR803)

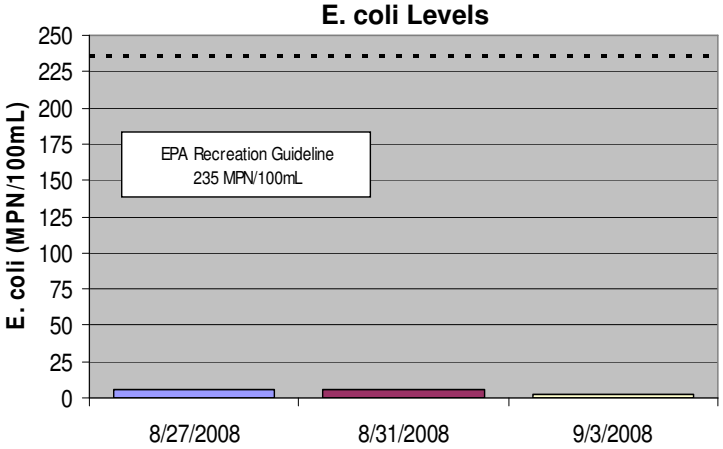
August 27, 2008 15:05PM

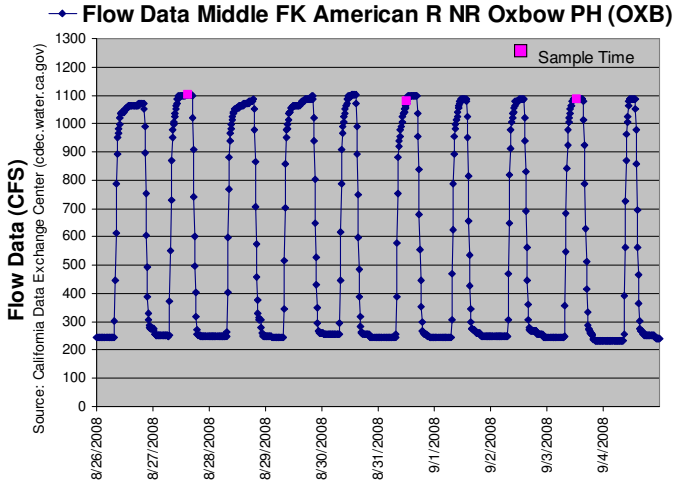
August 31, 2008 12:22PM

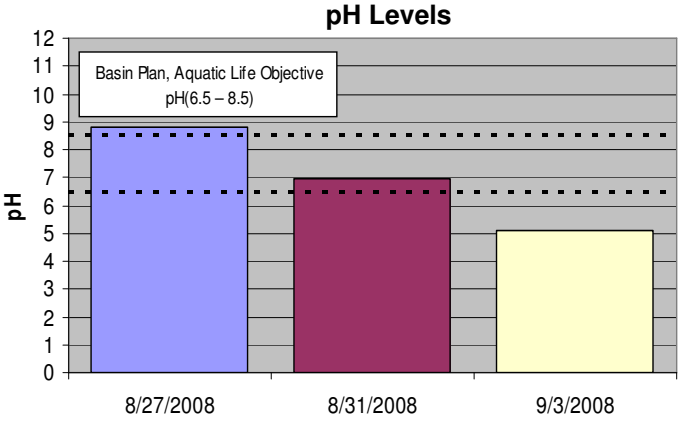
September 3, 2008 12:25PM

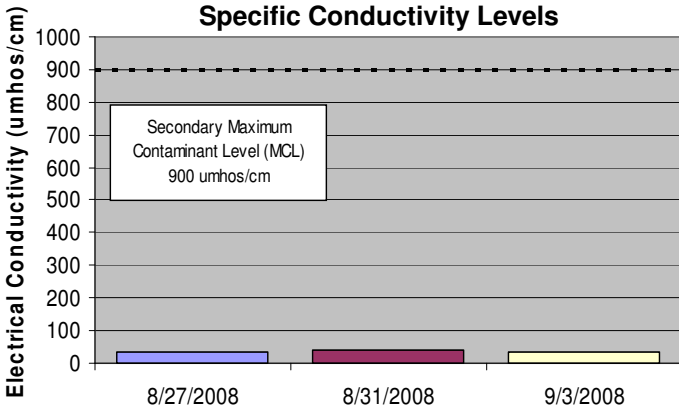
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

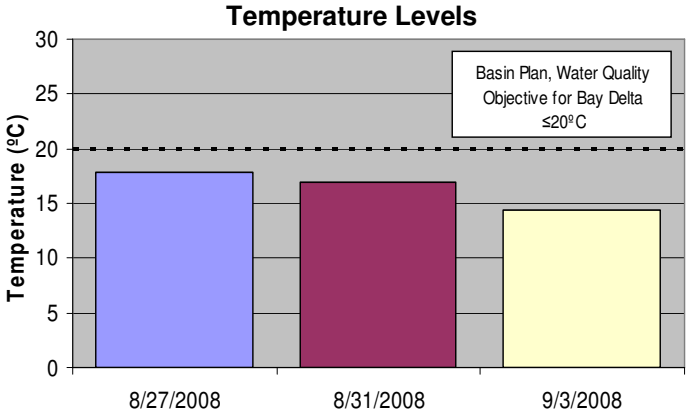
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: American River, Middle Fork, at Mammoth Bar
SWAMP Site ID: 514AMR804
Watershed: American River Watershed
County: Placer
Longitude: -121.001900
Latitude: 38.917983

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	2	2	1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	39.55	40	37.43
pH	6.5-8.5 (Basin Plan Objective)	9.08	7.11	5.41
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.8	18.8	18.4

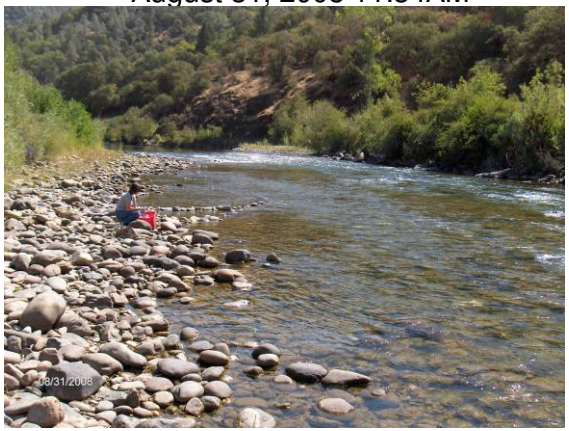
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

American River, Middle Fork, at Mammoth Bar (514AMR804)

August 27, 2008 14:17PM

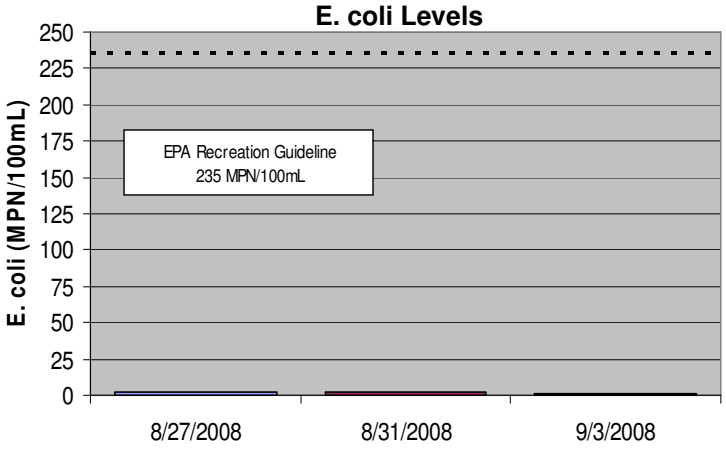
August 31, 2008 11:34AM

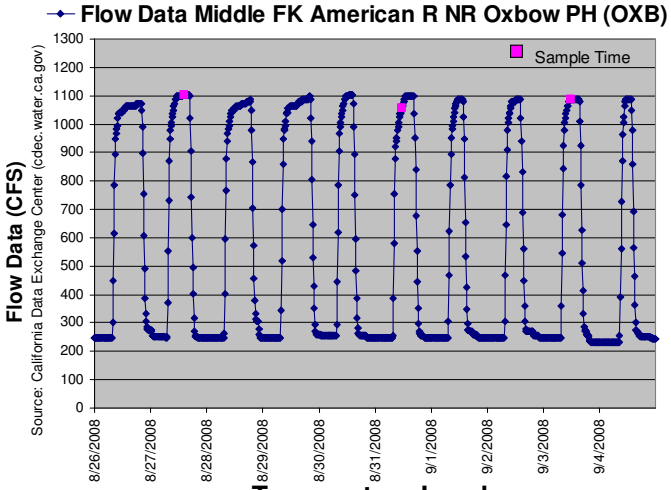


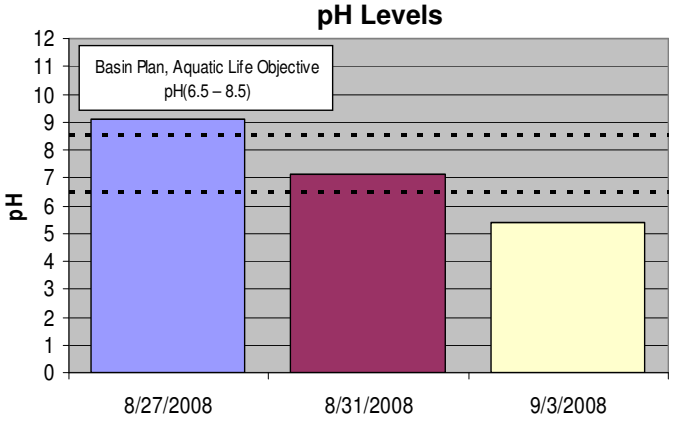
September 3, 2008 11:51AM

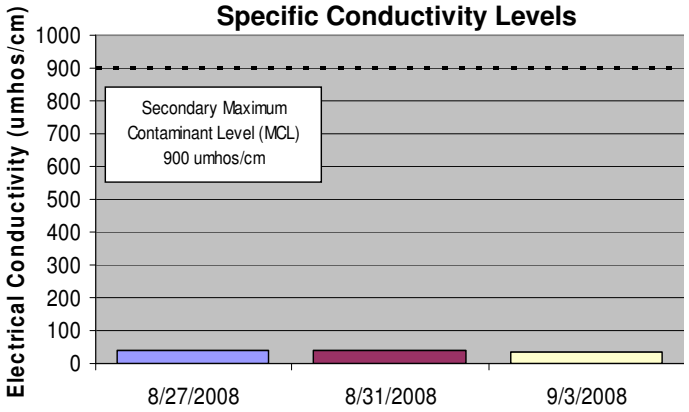
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

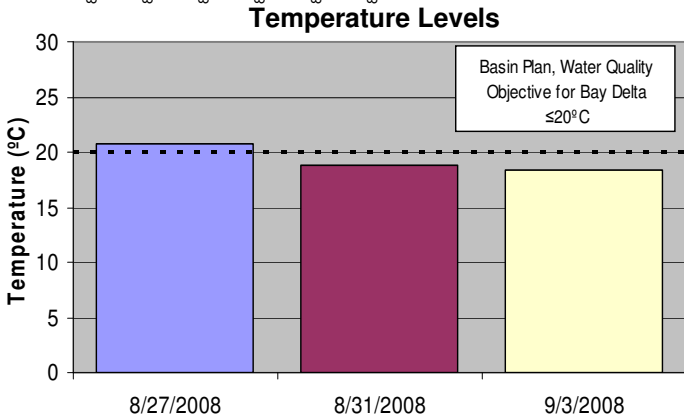
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: American River, South Fork, at Lotus
SWAMP Site ID: 514AMR805
Watershed: American River Watershed
County: El Dorado
Longitude: -120.909733
Latitude: 38.806817

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	108.1	109.2	6.3
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	23	21	22
pH	6.5-8.5 (Basin Plan Objective)	7.49	8.00	8.21
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	16.59	14.59	14.95

•NOTES:

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
American River, South Fork, at Lotus (514AMR805)

August 27, 2008 11:45AM

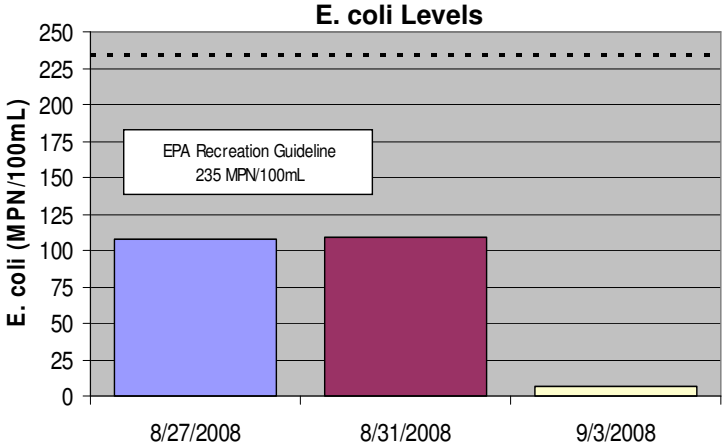
August 31, 2008 11:31AM

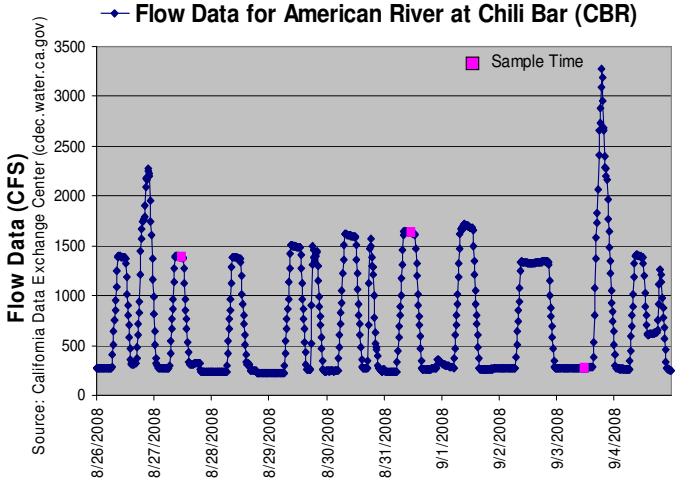
No photo available

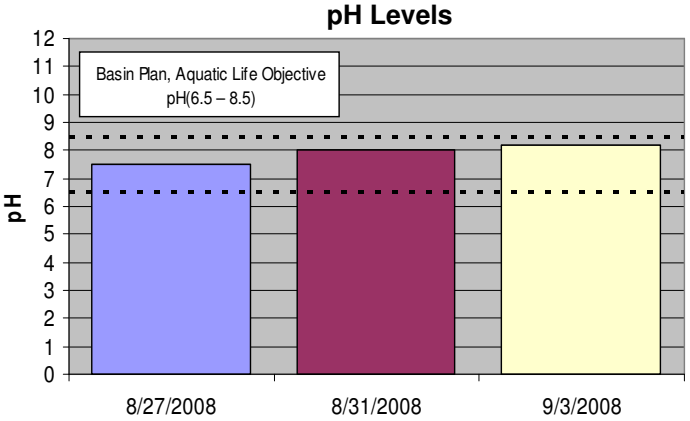
September 3, 2008 11:31AM

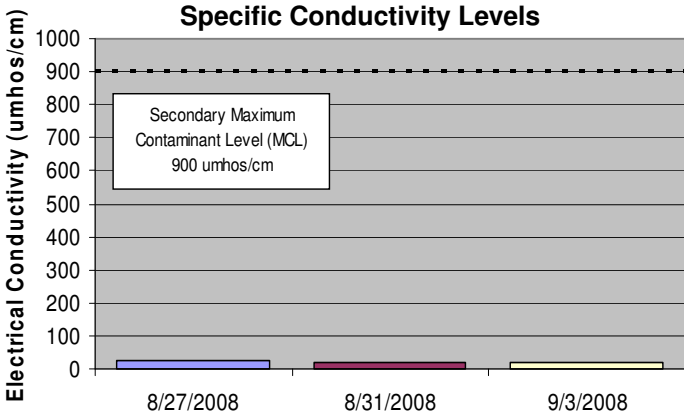
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

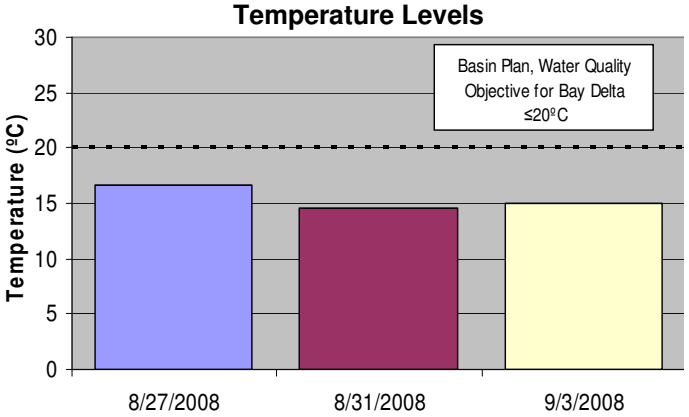
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: American River, South Fork, at Kyburz
SWAMP Site ID: 514AMR806
Watershed: American River Watershed
County: El Dorado
Longitude: -120.325617
Latitude: 38.762950

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	<1.0	1	<1.0
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	32	30	32
pH	6.5-8.5 (Basin Plan Objective)	7.49	7.72	8.18
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	19.77	17.21	16.48

•NOTES:

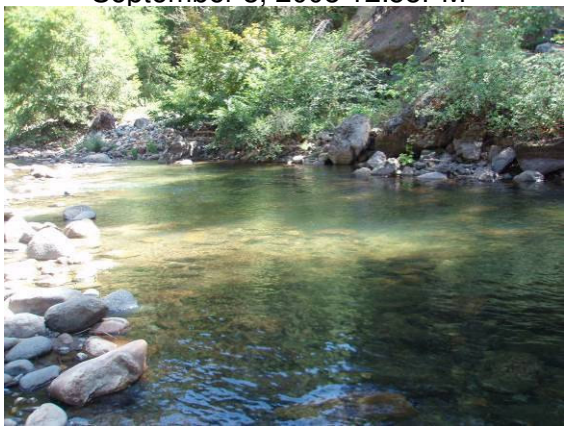
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
American River, South Fork, at Kyburz (514AMR806)

August 27, 2008 13:25PM

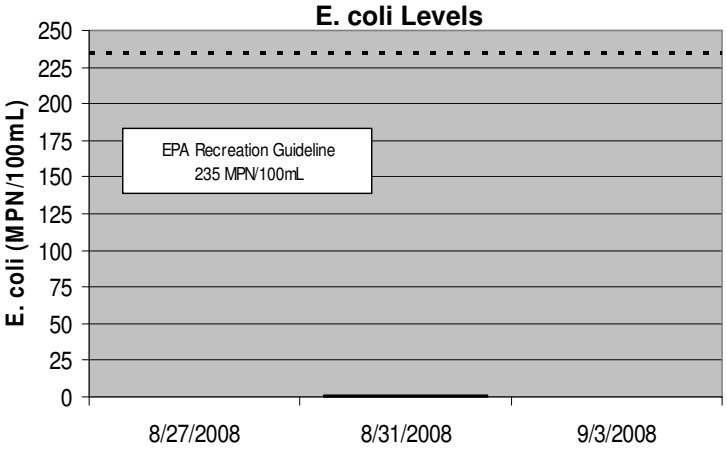
August 31, 2008 13:31PM

No photo available

September 3, 2008 12:58PM

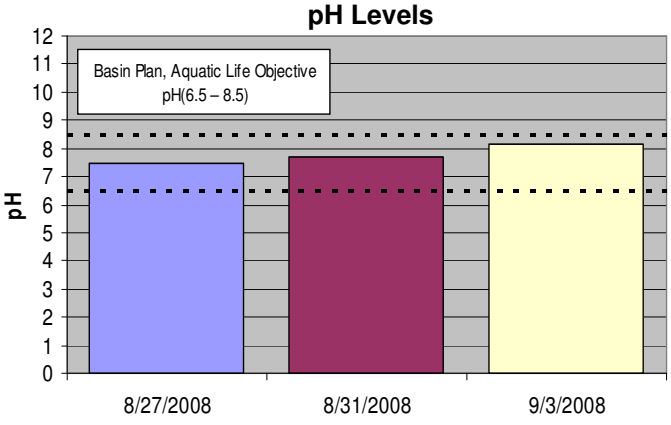


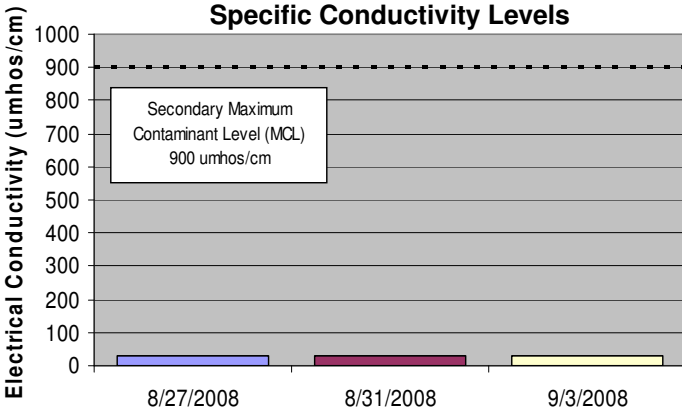
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

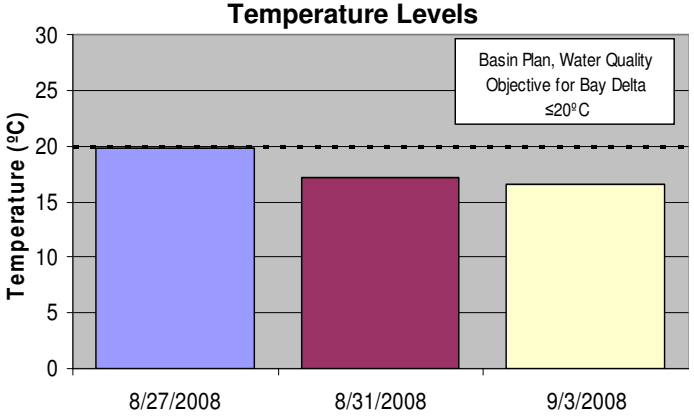


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: American River, Silver Fork, at China Campground
SWAMP Site ID: 514AMR807
Watershed: American River Watershed
County: El Dorado
Longitude: -120.268067
Latitude: 38.753600

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	2	27.9	3.1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	27	25	25
pH	6.5-8.5 (Basin Plan Objective)	7.39	7.82	7.99
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	18.94	16.5	15.44

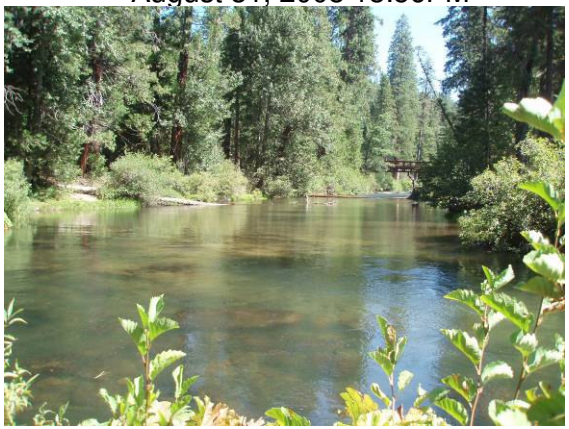
•NOTES:

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

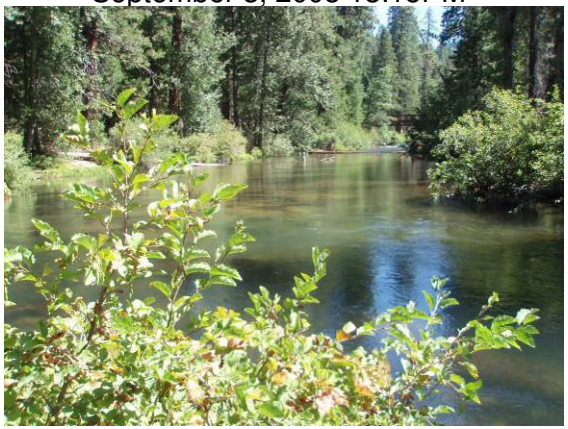
American River, Silver Fork, at China Campground (514AMR807)

August 27, 2008 14:41PM

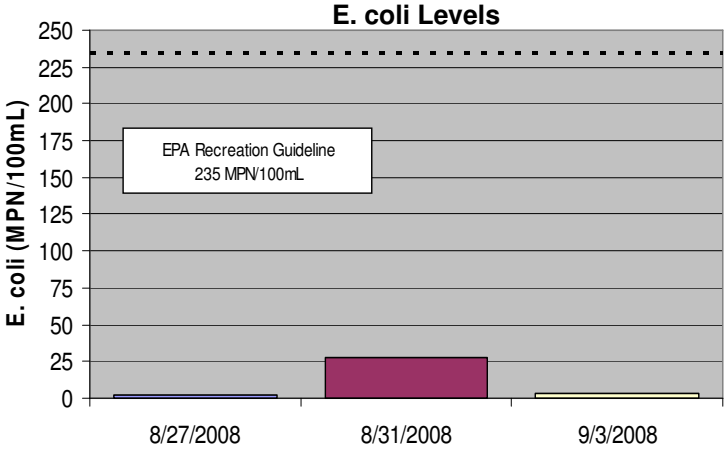
August 31, 2008 13:56PM



September 3, 2008 13:15PM

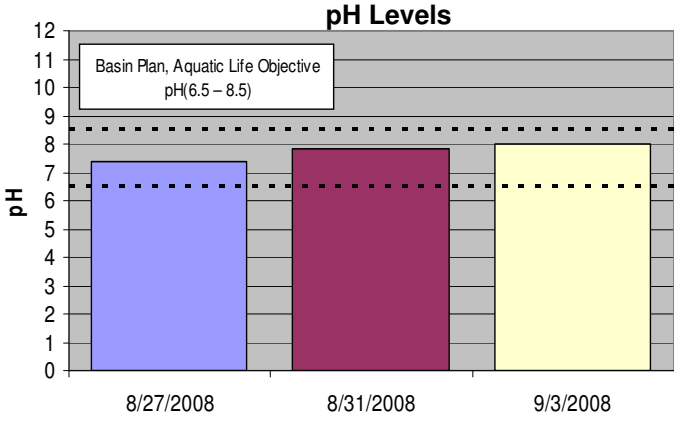


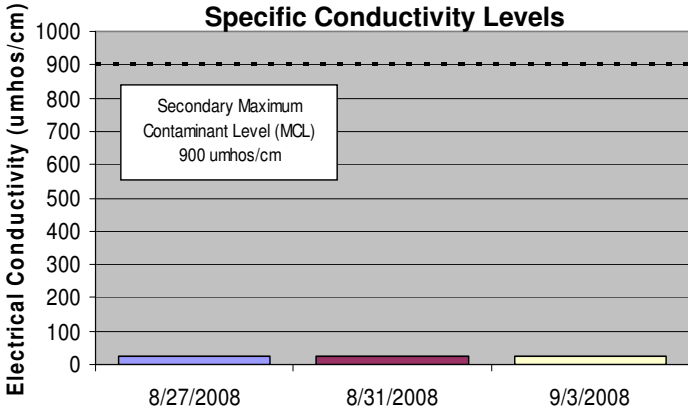
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

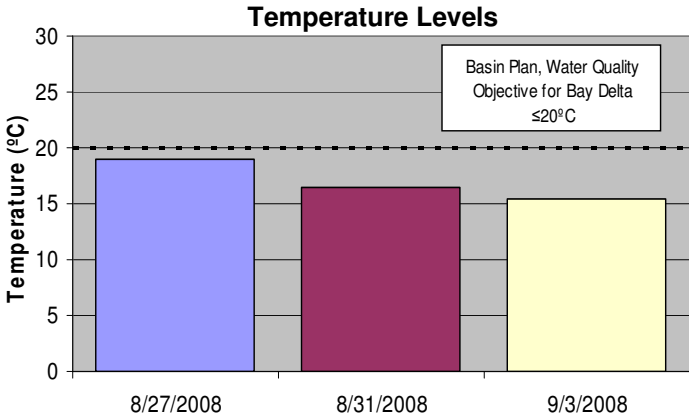


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: American River, Silver Fork, at China Campground *Day Use Area*
SWAMP Site ID: 514AMR807
Watershed: American River Watershed
County: El Dorado
Longitude: -120.266567
Latitude: 38.751933

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	<1.0	7.4	<1.0
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	27	26	21
pH	6.5-8.5 (Basin Plan Objective)	7.43	7.6	7.74
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	18.85	16.43	15.44

•NOTES:

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

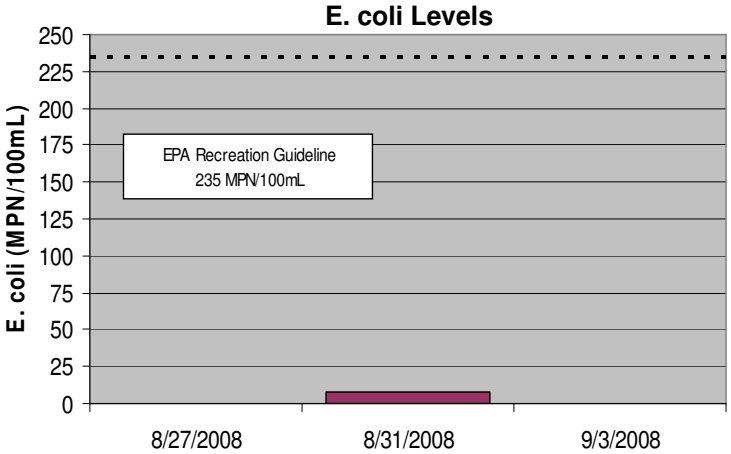
American River, Silver Fork, at China Campground, Day Use Area (514AMR807)

August 27, 2008 14:53PM

August 31, 2008 14:02PM

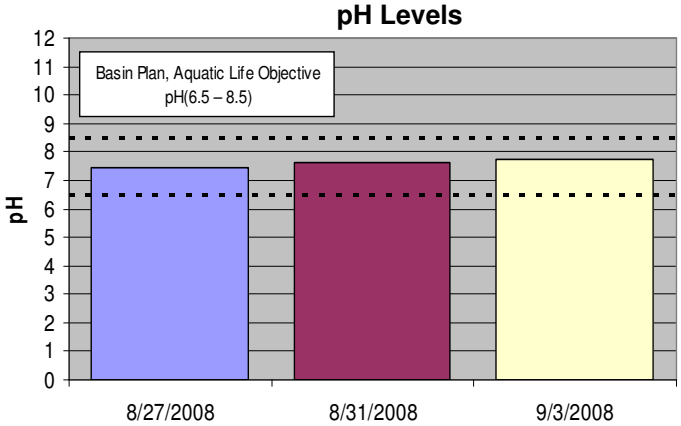
September 3, 2008 13:26PM

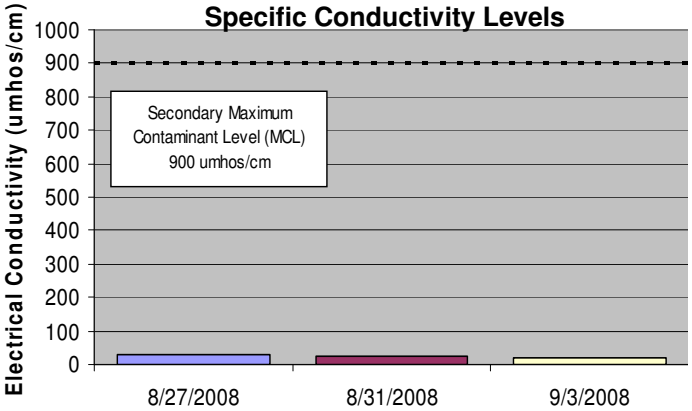
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

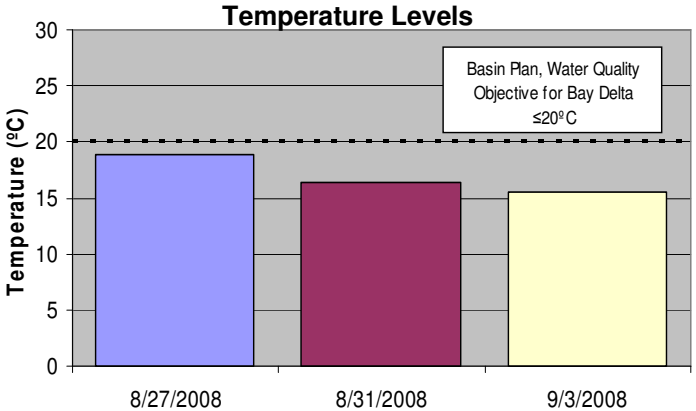


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: American River, South Fork, at Salmon Falls Road
SWAMP Site ID: 514AMR808
Watershed: American River Watershed
County: El Dorado
Longitude: -121.035200
Latitude: 38.772733

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	33.6	14.6	8.4
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	24	24	25
pH	6.5-8.5 (Basin Plan Objective)	7.85	8.09	8.51
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	15.38	17.26	15.56

•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters. Shaded table cells contain values that do not meet the water quality guidelines

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

American River, South Fork, at Salmon Falls Road (514AMR808)

August 27, 2008 11:01AM

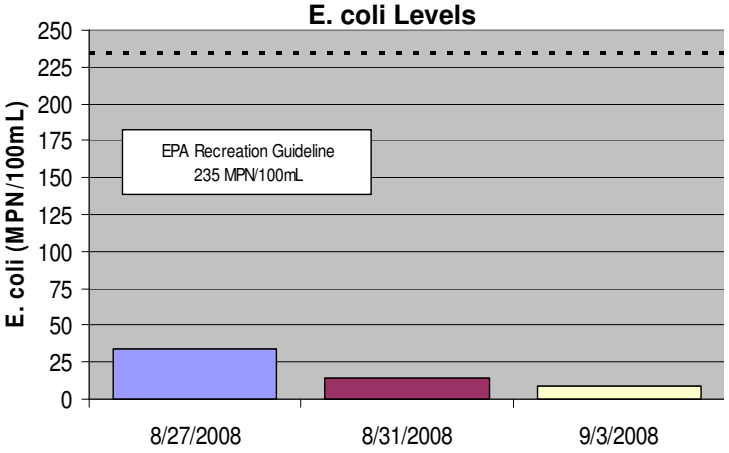
August 31, 2008 10:59AM

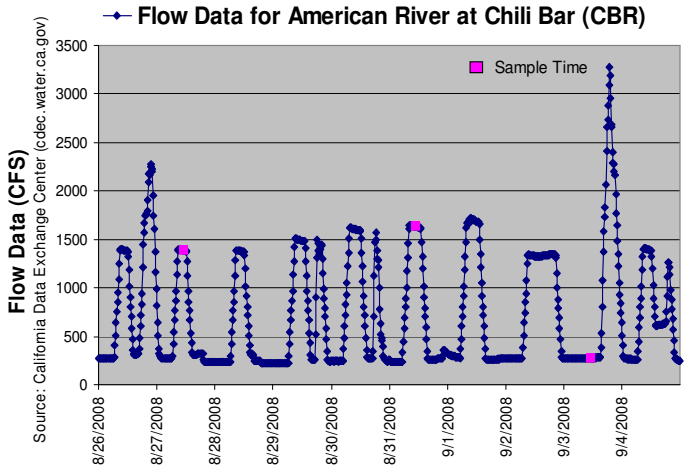
No photo available

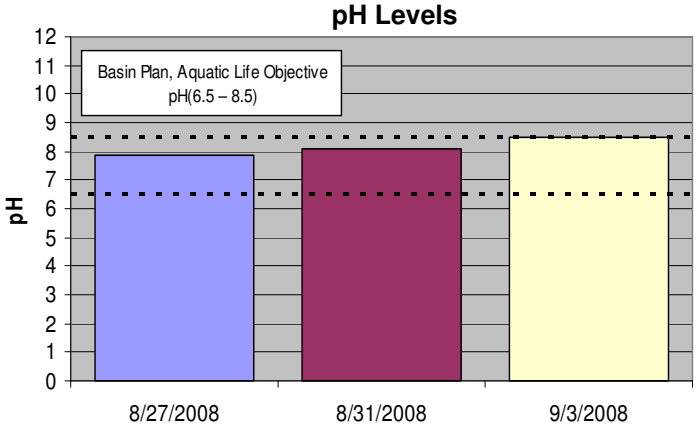
September 3, 2008 11:00AM

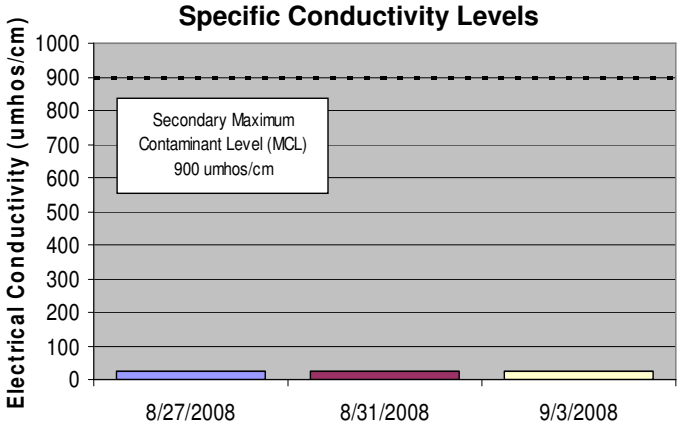
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

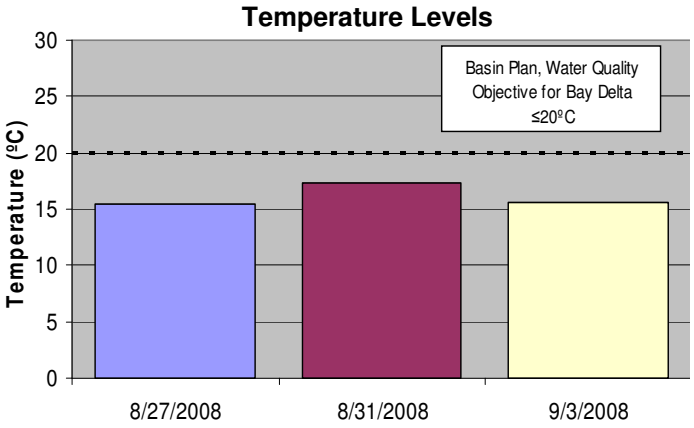
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: American River at Discovery Park
SWAMP Site ID: 544SAC007
Watershed: Sacramento River Watershed
County: Sacramento
Longitude: -121.502675
Latitude: 38.601706

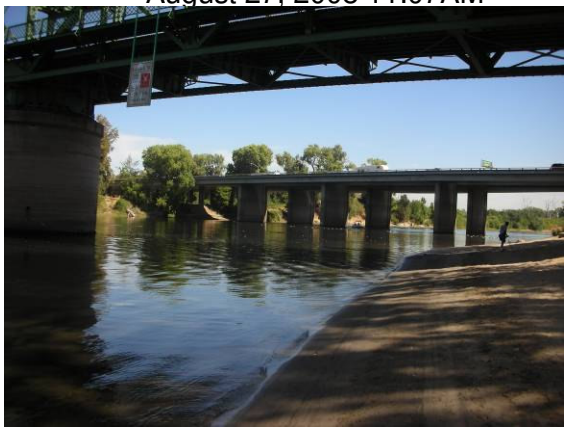
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1413.6	275.5	187.2
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	386.5	48.1	59.2
pH	6.5-8.5 (Basin Plan Objective)	9.55	7.7	7.47
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	21.4	20.5	21.2

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

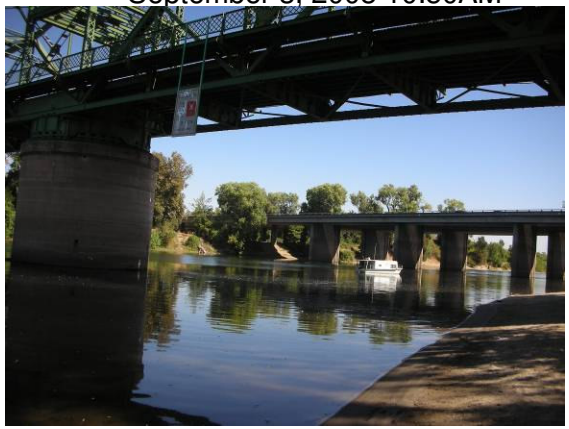
American River at Discovery Park (544SAC007)

August 27, 2008 11:07AM



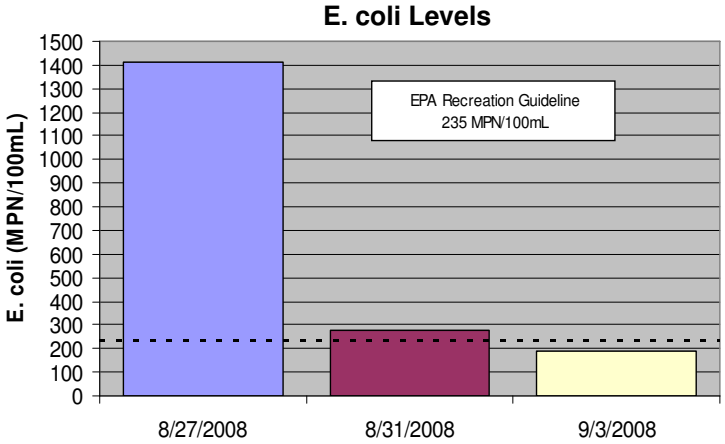
August 31, 2008 10:50AM

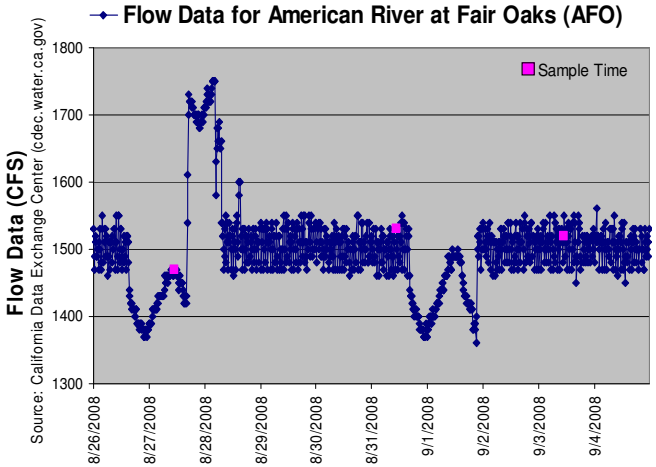
September 3, 2008 10:50AM

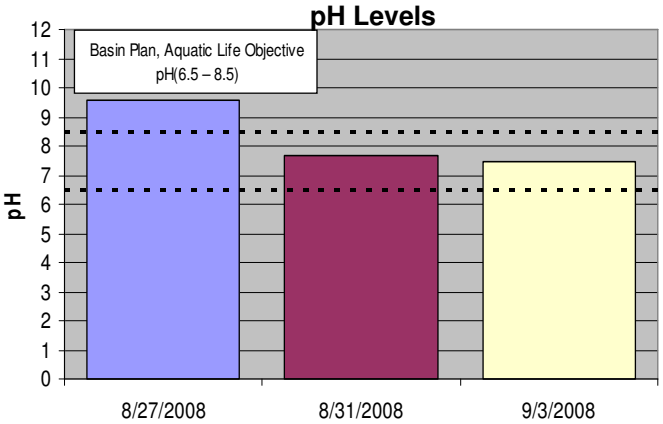


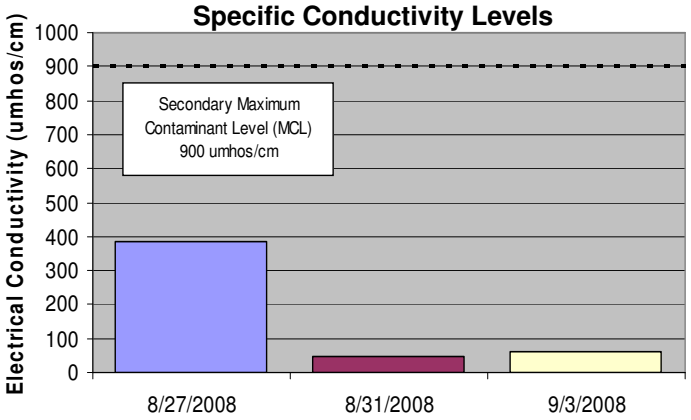
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

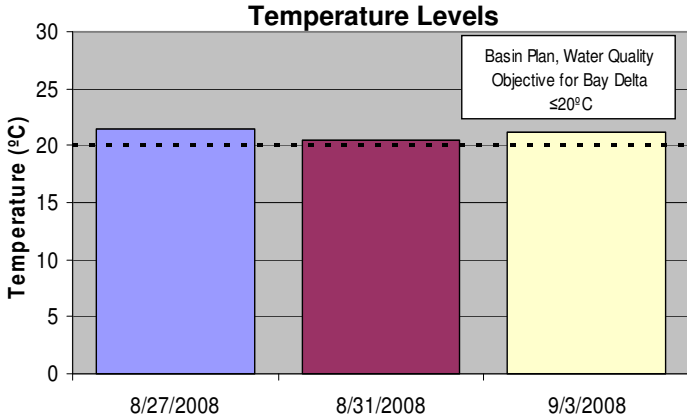
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: American River at Sunrise Avenue
SWAMP Site ID: 544SAC008
Watershed: Sacramento River Watershed
County: Sacramento
Longitude: -121.270583
Latitude: 38.633383

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	28.8	14.8	21.8
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	58	57	60
pH	6.5-8.5 (Basin Plan Objective)	7.43	8.12	8.02
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.73	21.68	21.65

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

American River at Sunrise Avenue (544SAC008)

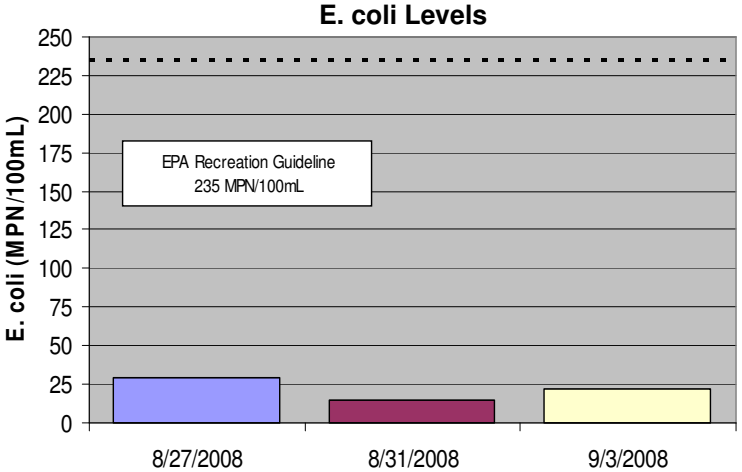
August 27, 2008 16:35PM

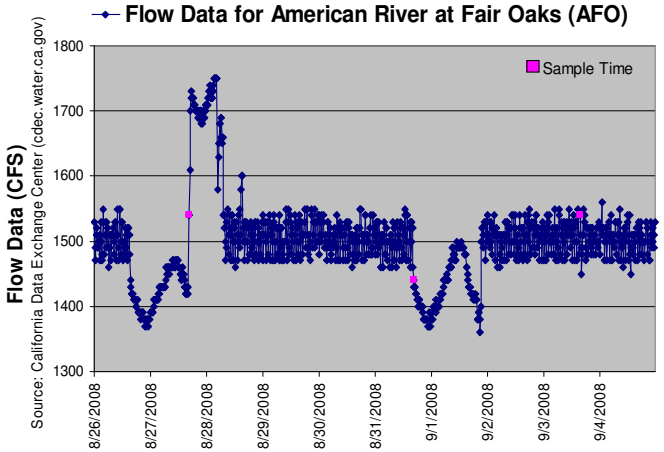
August 31, 2008 16:36PM

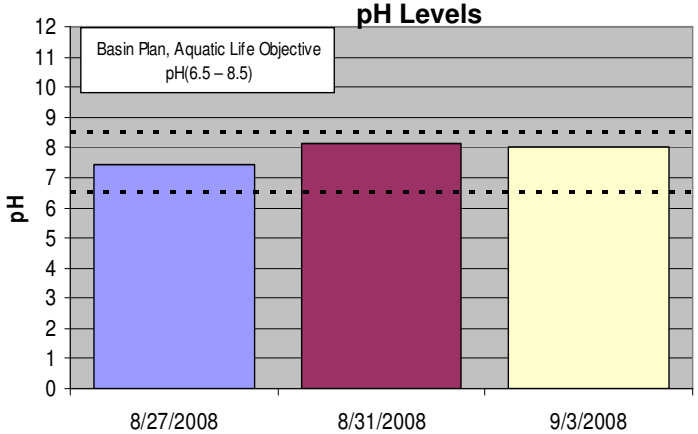
September 3, 2008 15:43PM

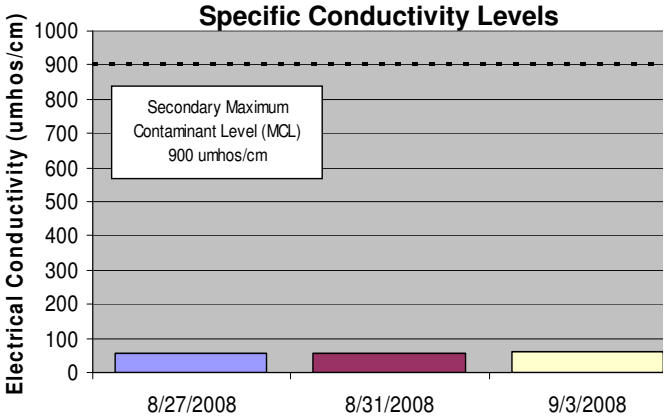
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

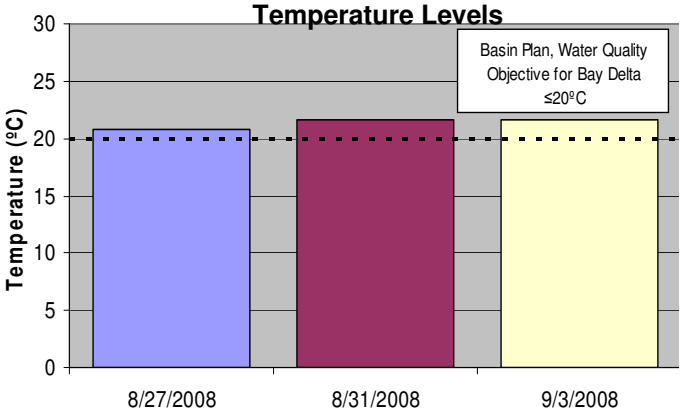
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Big Chico Creek at Bidwell Park below swimming pool
SWAMP Site ID: 520BUT901
Watershed: Butte Creek Watershed
County: Butte
Longitude: -121.792299
Latitude: 39.762211

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	46.5	48.8	81.6
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	n/a	230	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	7.4	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	23.3	n/a

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

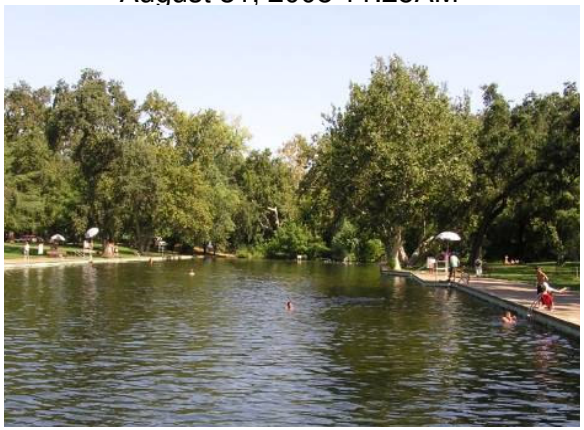
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Big Chico Creek at Bidwell Park, below swimming pool (520BUT901))

August 27, 2008 12:03PM

No image available

August 31, 2008 11:25AM



September 3, 2008 11:44AM

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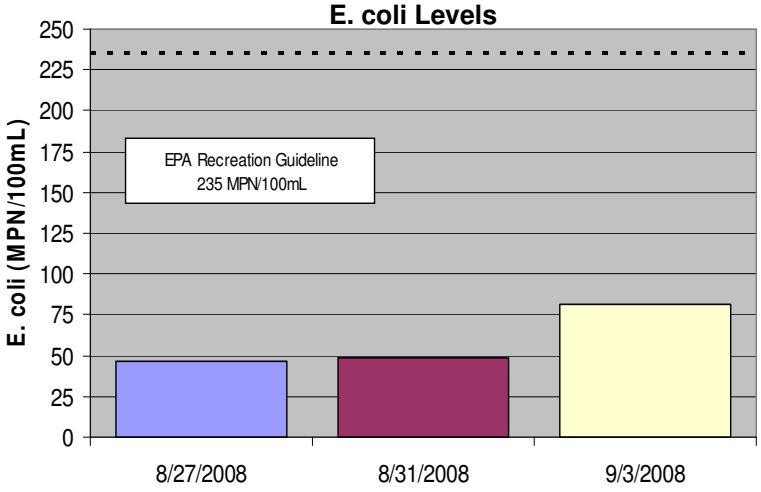
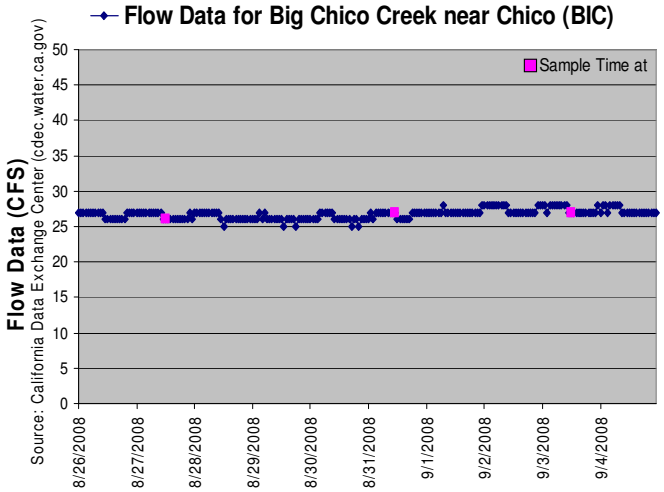
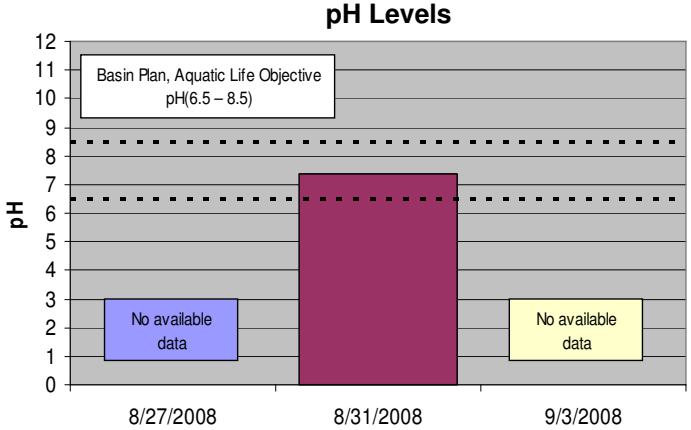
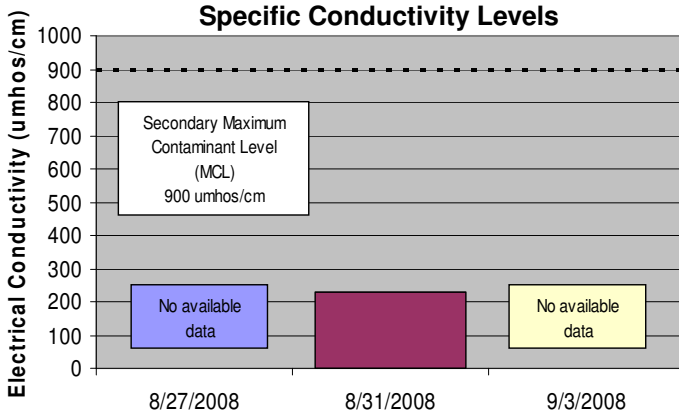
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

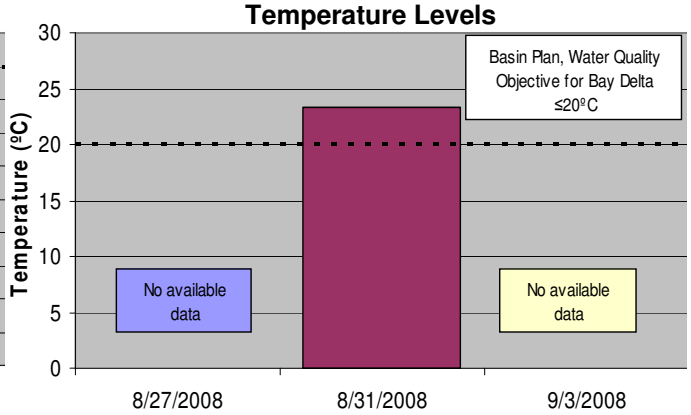
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Butte Creek at Honey Run Bridge
SWAMP Site ID: 520BUT900
Watershed: Butte Creek Watershed
County: Butte
Longitude: -121.705280
Latitude: 39.729000

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	35.9	43.2	41.4
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	n/a	113.5	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	8.5	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	20.8	n/a

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Butte Creek at Honey Run Bridge (520BUT900)

August 27, 2008 12:27PM

No image available

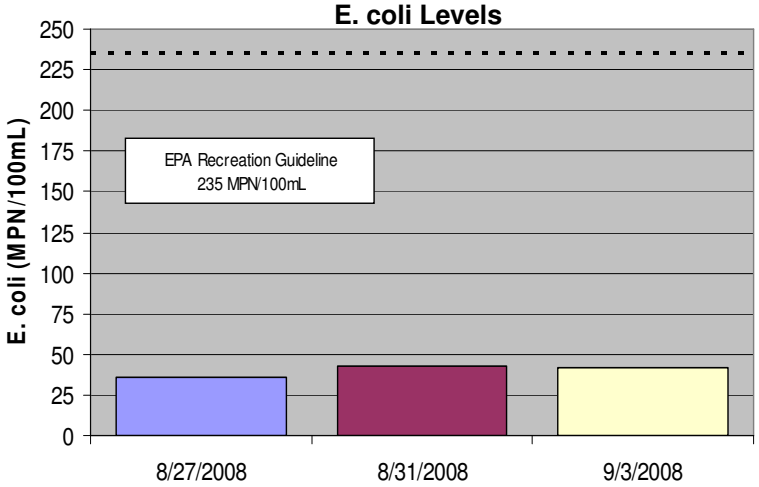
August 31, 2008 12:13PM

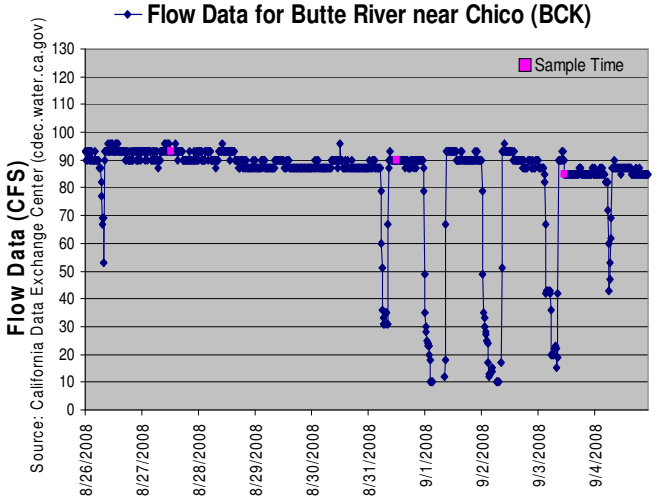
September 3, 2008 12:03PM

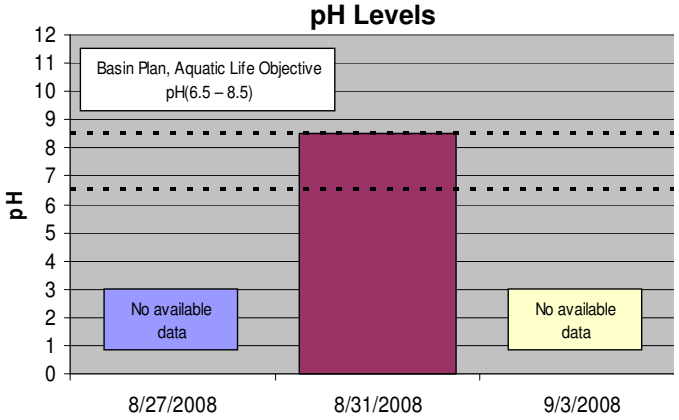
No image available

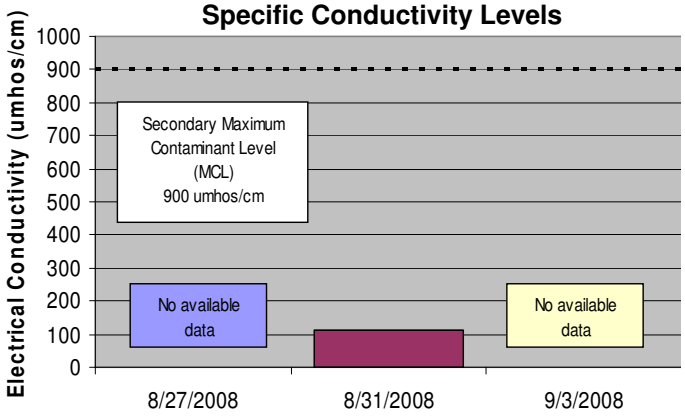
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

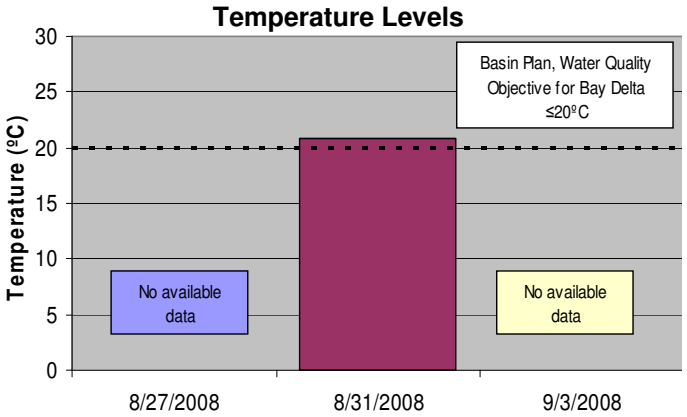
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Upper San Antonio Creek @ in-flow of White Pines Lake
SWAMP Site ID: 533CAL900
Watershed: Calaveras River Watershed
County: Calaveras
Longitude: -120.340160
Latitude: 38.272200

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	12	30	5.2
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	62	50	62
pH	6.5-8.5 (Basin Plan Objective)	7.53	7.00	7.75
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	14.7	13.4	12.0

•NOTES: The Ebbetts Pass Forest Watch (EPFW) assisted with field collection at this site.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

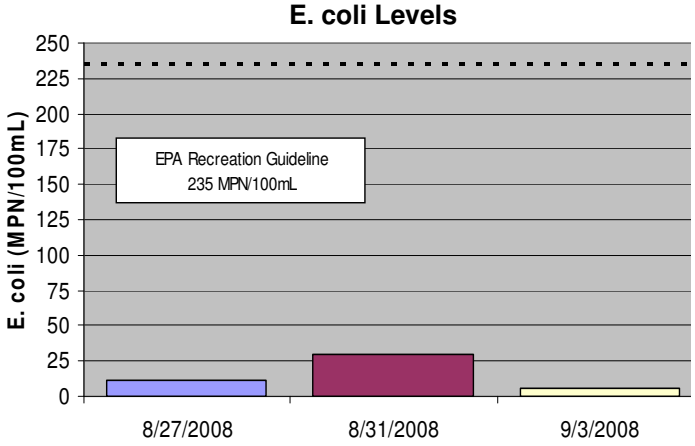
Upper San Antonio Creek @ in-flow of White Pines Lake (533CAL900)

August 27, 2008 12:35PM

August 31, 2008 12:10PM

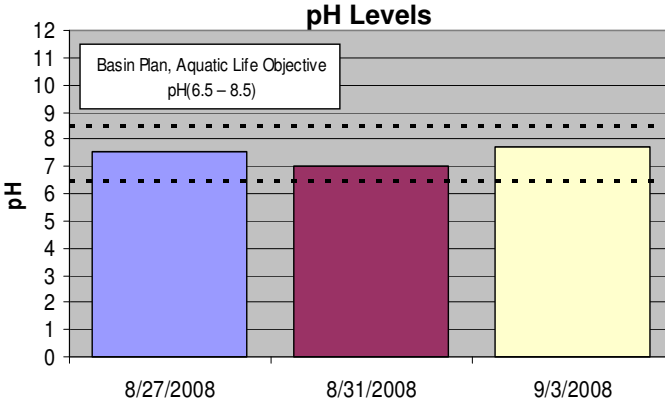
September 3, 2008 12:27PM

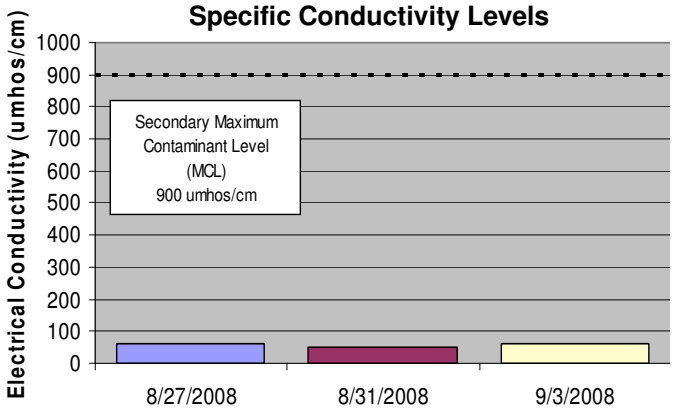
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

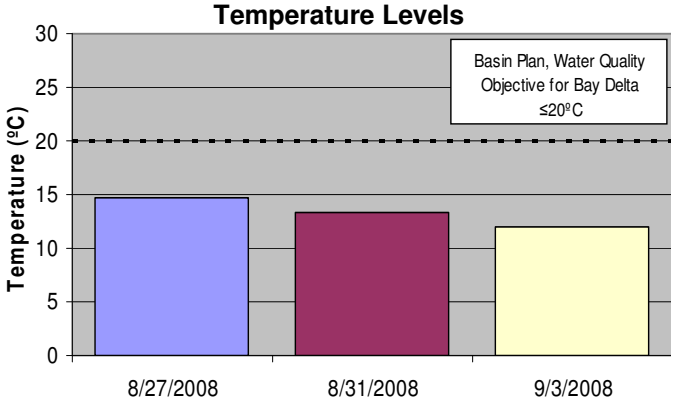


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







The Ebbetts Pass Forest Watch (EPFW) assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Upper San Antonio Creek @ out-flow of White Pines Lake
SWAMP Site ID: 533CAL901
Watershed: Calaveras River Watershed
County: Calaveras
Longitude: -120.344300
Latitude: 38.267360

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	12	30	5.2
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	62	50	62
pH	6.5-8.5 (Basin Plan Objective)	7.53	7.00	7.75
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	24.2	23.0	22.3

•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
Shaded table cells contain values that do not meet the water quality guidelines.
The Ebbetts Pass Forest Watch (EPFW) assisted with field collection at this site.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

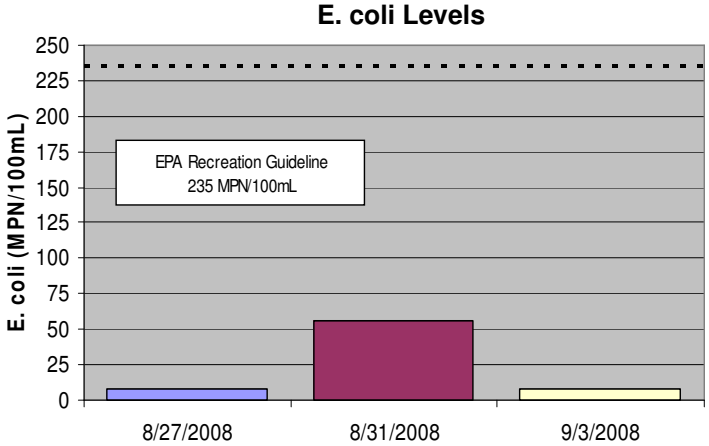
Upper San Antonio Creek @ out-flow of White Pines Lake (533CAL901)

August 27, 2008 13:15PM

August 31, 2008 11:35AM

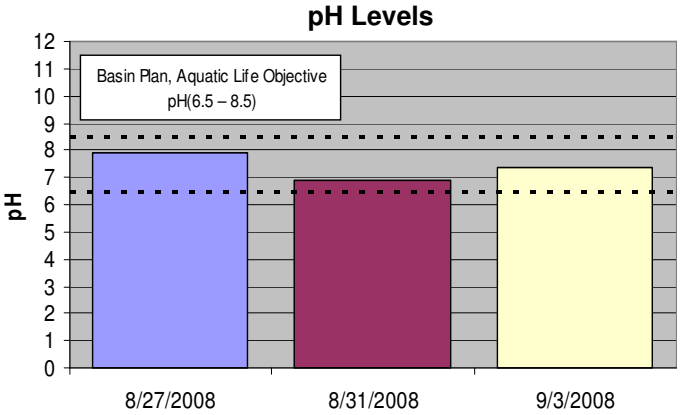
September 3, 2008 13:10PM

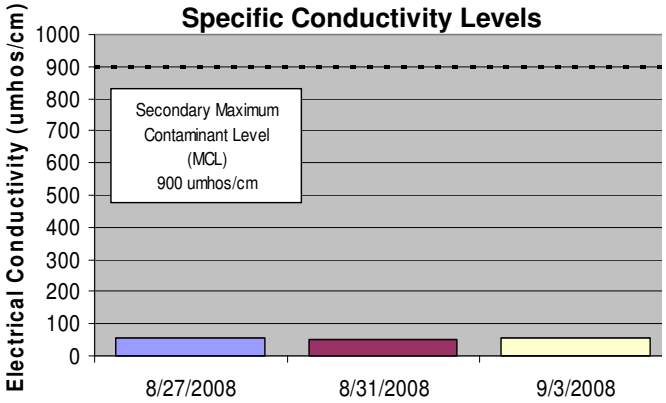
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

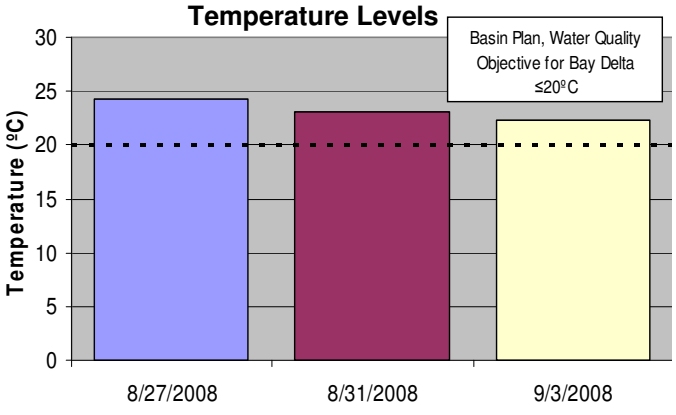


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







The Ebbetts Pass Forest Watch (EPFW) assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Clear Creek at SHY 273 Bridge
SWAMP Site ID: 508SHA903
Watershed: Clear Creek Watershed
County: Shasta
Longitude: -122.380028
Latitude: 40.508943

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	14.5	25.6	12
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	n/a	92.5	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	8.0	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	19.1	n/a

•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Clear Creek at SHY 273 Bridge (508SHA903)

August 27, 2008 14:41PM

No image available

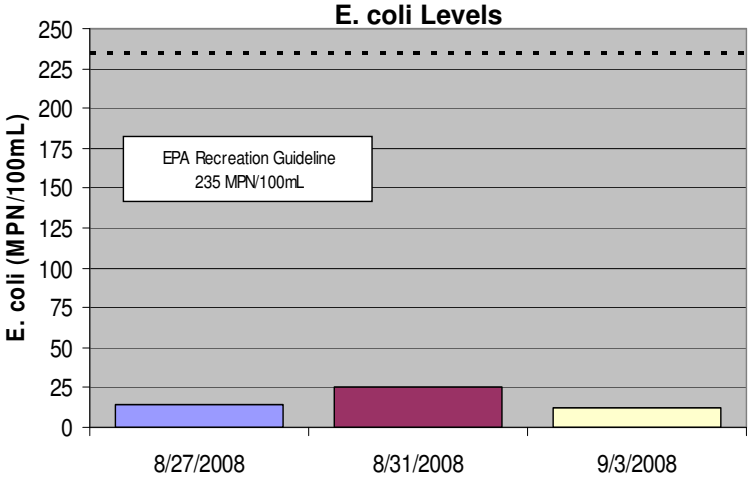
August 31, 2008 13:35PM

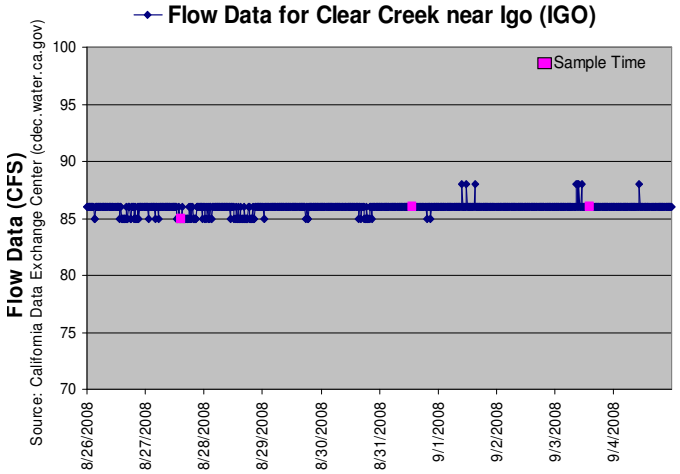
September 3, 2008 13:55PM

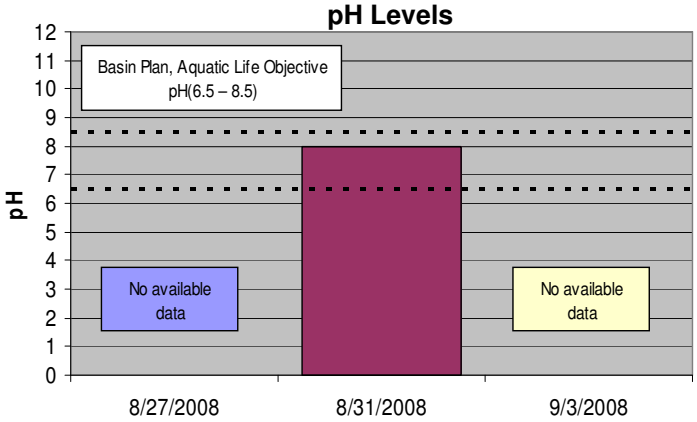
No image available

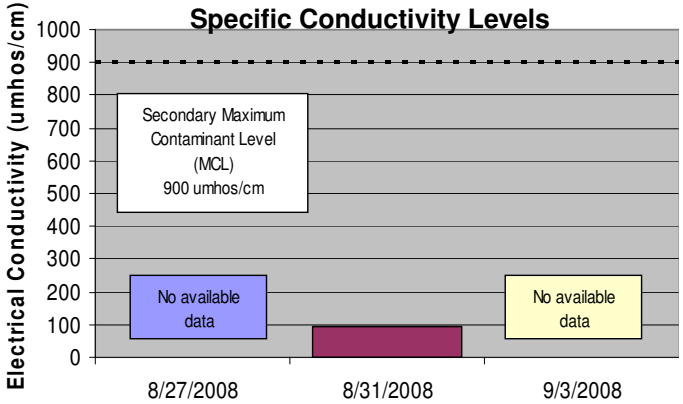
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

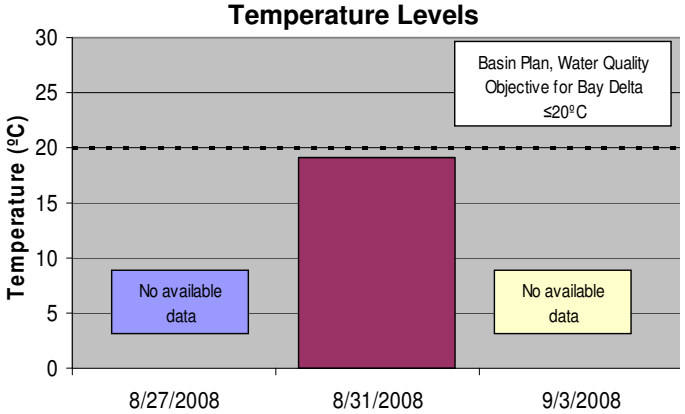
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Clear Creek at SHY 299 Bridge
SWAMP Site ID: 508SHA904
Watershed: Clear Creek Watershed
County: Shasta
Longitude: -122.635034
Latitude: 40.664371

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	27.5	113.7	39.9
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	n/a	288	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	6.71	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	18.3	n/a

•NOTES:

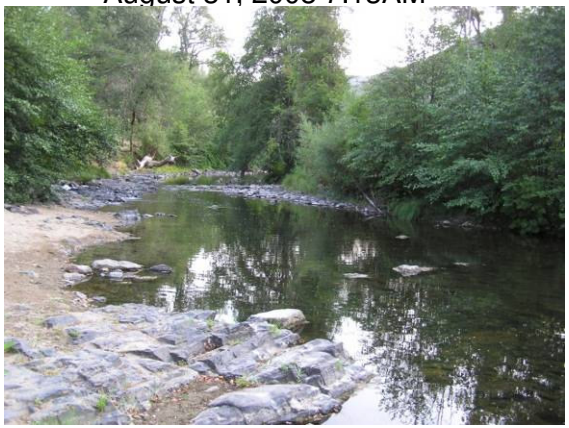
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Clear Creek at 299 Bridge (508SHA904)

August 27, 2008 8:05AM

No image available

August 31, 2008 7:13AM



September 3, 2008 7:55AM

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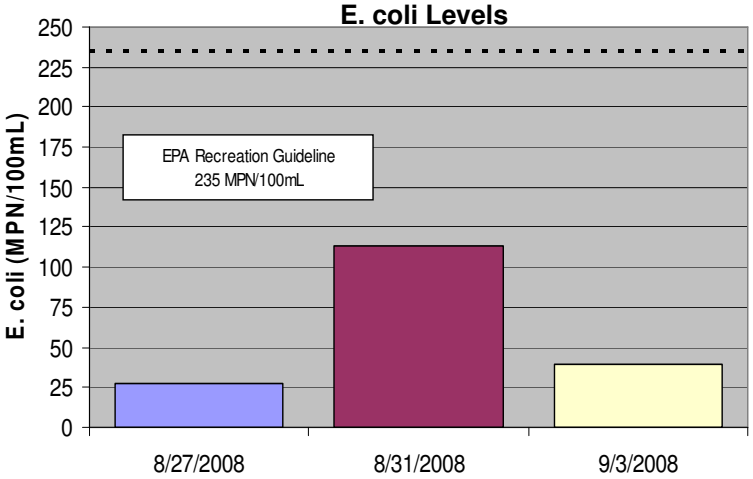
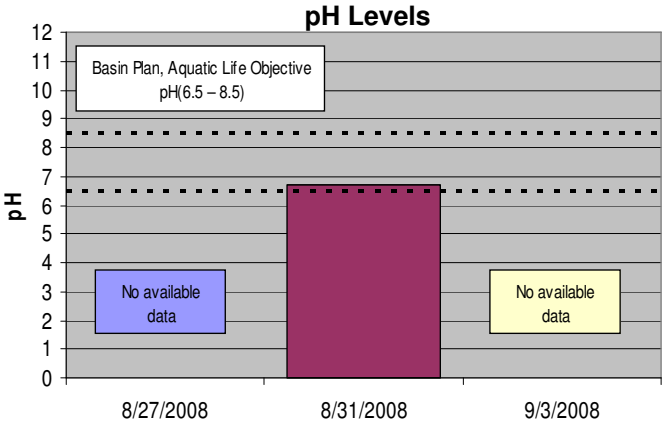
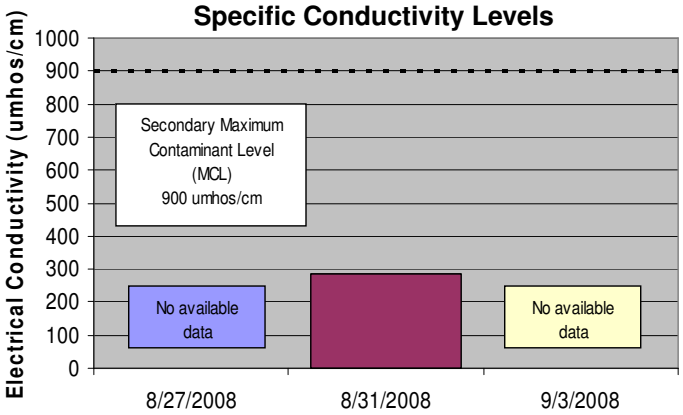
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

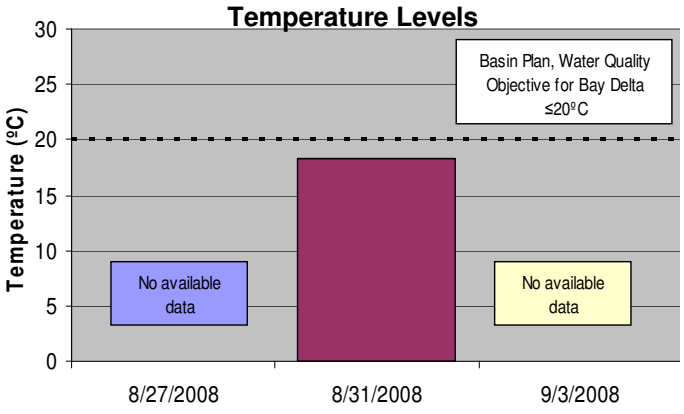


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

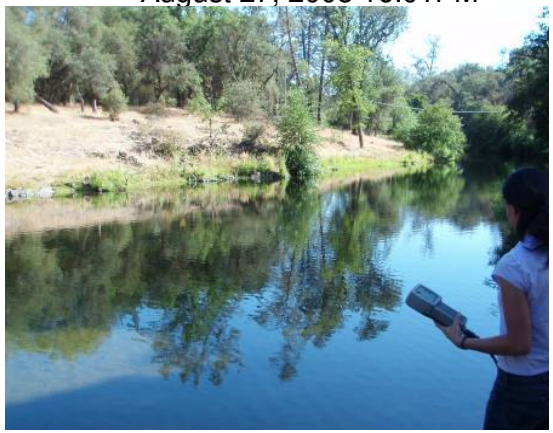
Description of Sample Site: Cosumnes River at Gold Beach
SWAMP Site ID: 523ELD003
Watershed: Cosumnes River Watershed
County: El Dorado
Longitude: -120.846389
Latitude: 38.559167

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	7.4	32	23.5
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	66	66	66
pH	6.5-8.5 (Basin Plan Objective)	7.21	6.85	7.6
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	25.01	23.83	22.4

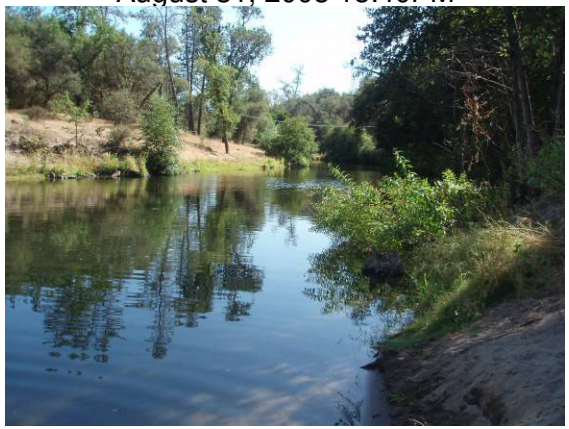
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
Cosumnes River at Gold Beach (523ELD003)

August 27, 2008 16:01PM



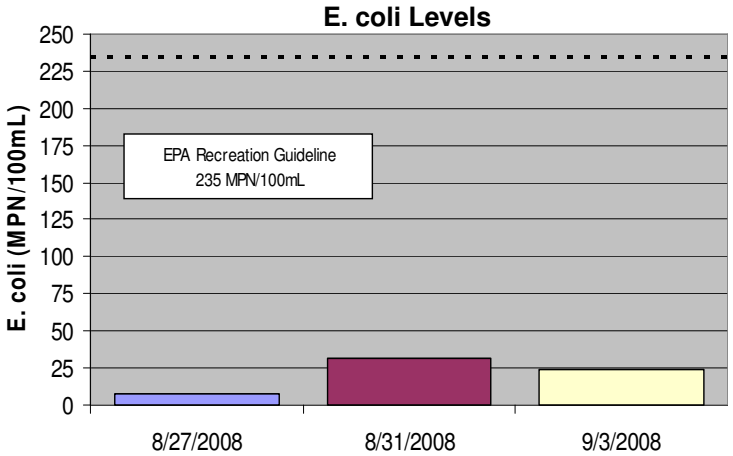
August 31, 2008 15:40PM

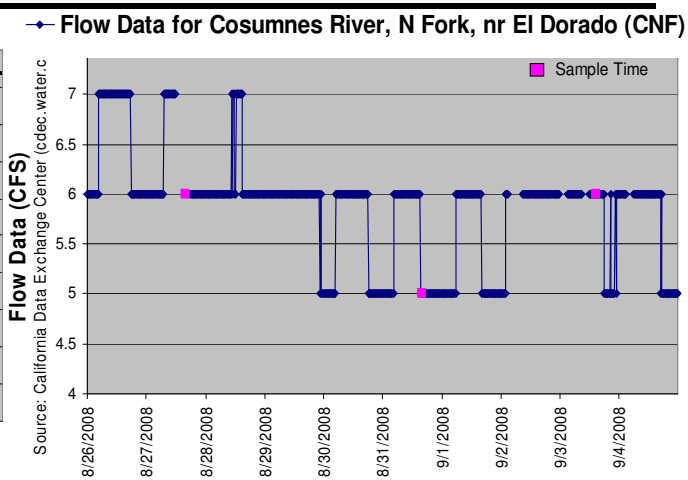


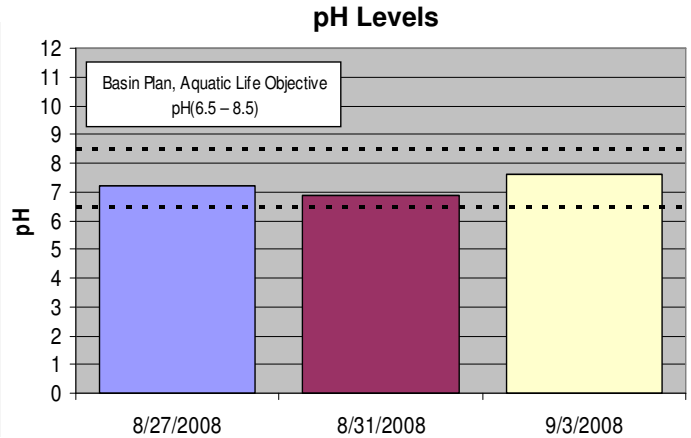
September 3, 2008 14:45PM

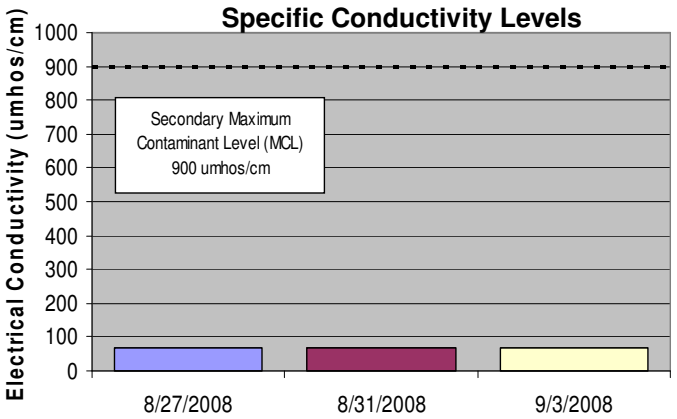
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

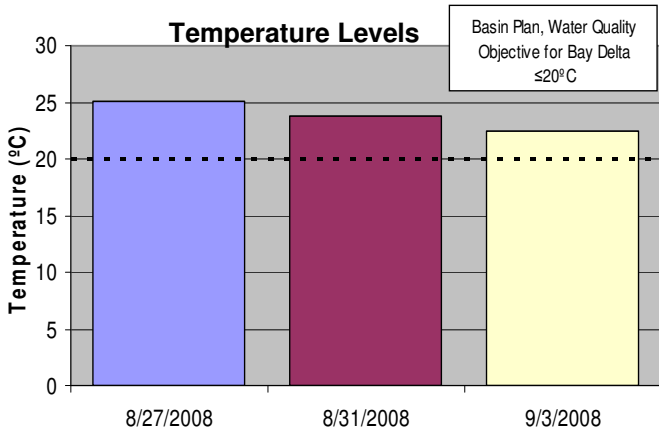
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Cottonwood Creek at Interstate 5 Bridge
SWAMP Site ID: 508SHA900
Watershed: Cottonwood Creek Watershed
County: Shasta
Longitude: -122.285100
Latitude: 40.377137

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	29.2	53.7	79.4
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	n/a	212.1	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	7.12	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	21.4	n/a

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

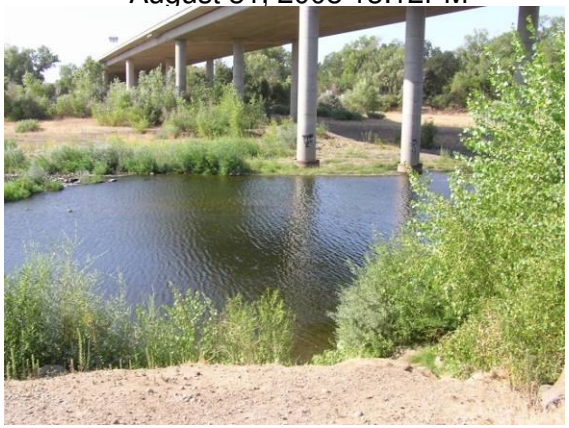
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Cottonwood Creek at Interstate 5 Bridge (508SHA900)

August 27, 2008 13:57PM

No image available

August 31, 2008 13:12PM

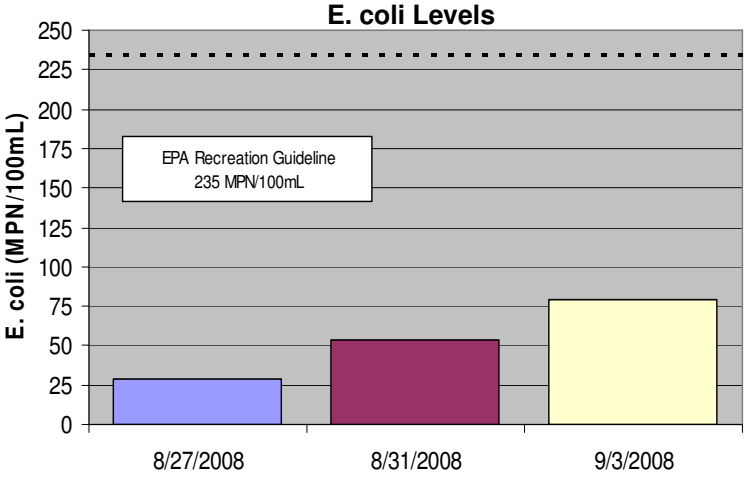


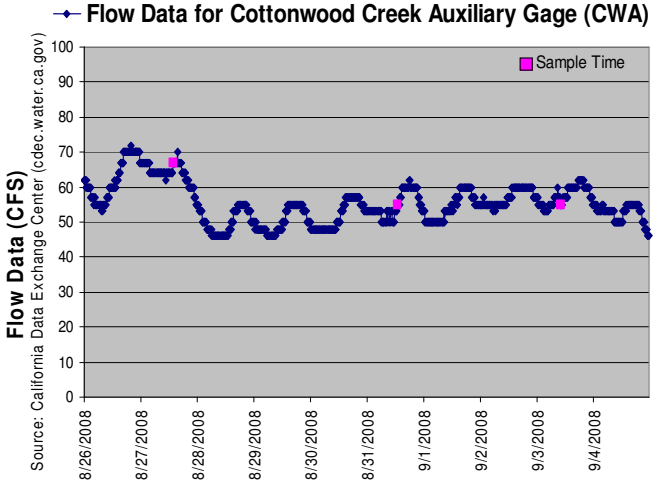
September 3, 2008 10:13AM

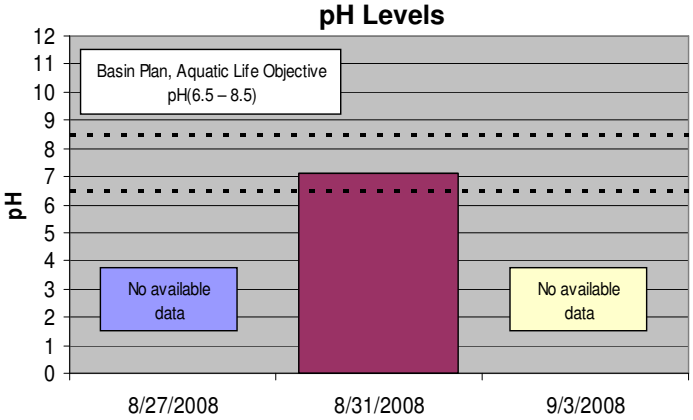
No image available

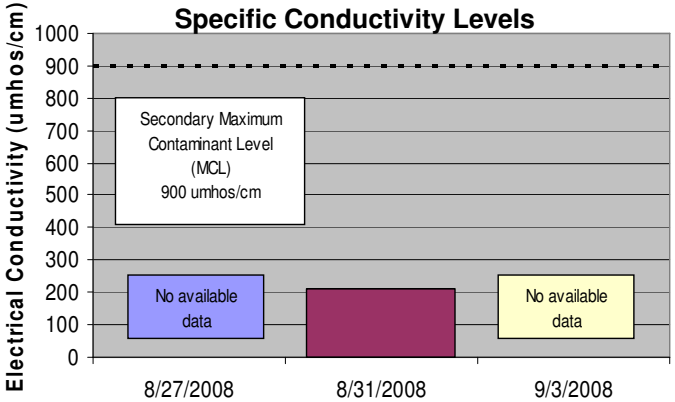
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

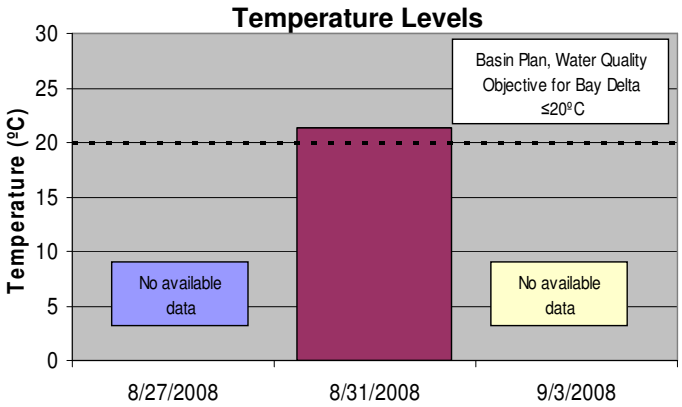
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Cow Creek at SHY 44 Bridge
SWAMP Site ID: 508SHA902
Watershed: Cow Creek Watershed
County: Shasta
Longitude: -122.230904
Latitude: 40.554932

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	68.3	131.4	75.9
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	n/a	211	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	7.01	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	19.5	n/a

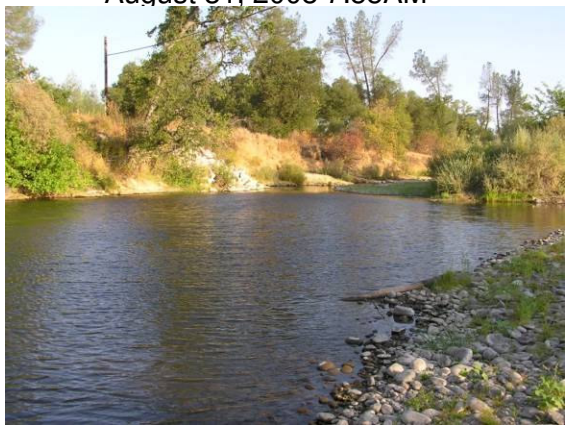
•NOTES:

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
Cow Creek at SHY 44 Bridge (508SHA902)

August 27, 2008 10:09AM

No image available

August 31, 2008 7:55AM



September 3, 2008 8:34AM

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The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

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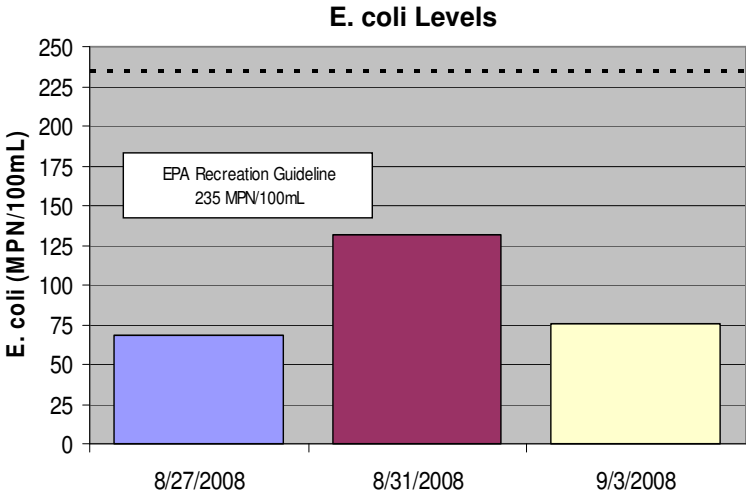
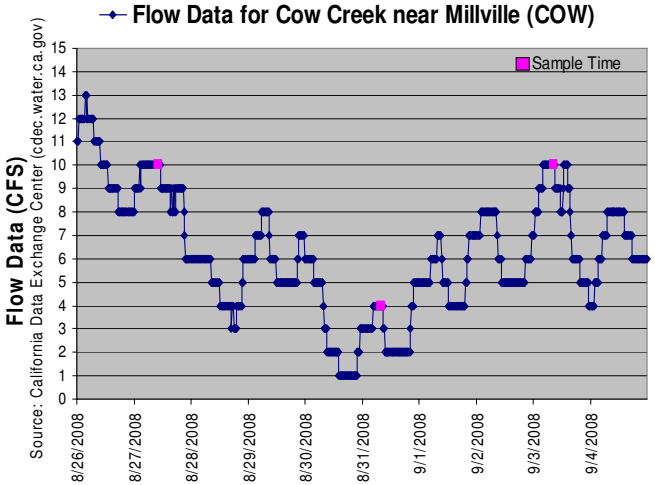
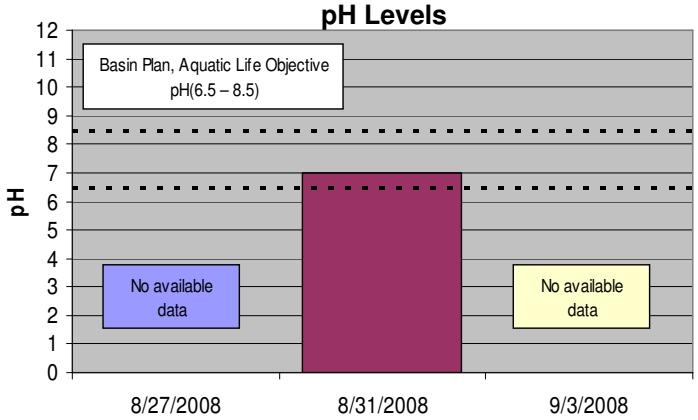
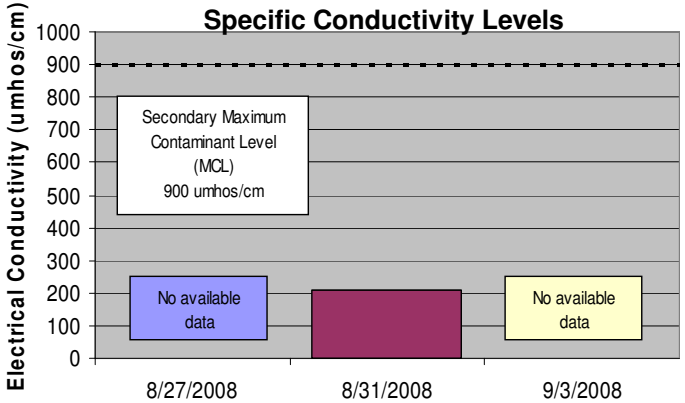
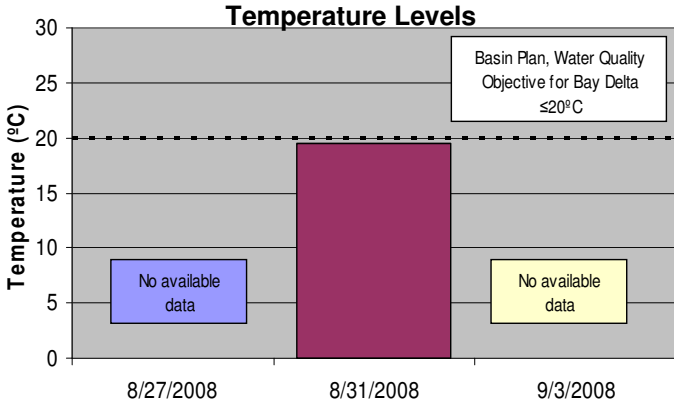










DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Squirrel Creek in Western Gateway Park, Penn Valley
SWAMP Site ID: 516NEV906
Watershed: Deer Creek Watershed
County: Nevada
Longitude: -121.190609
Latitude: 39.204047

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	228.2	214.2	108.1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	84.9	84.7	80.3
pH	6.5-8.5 (Basin Plan Objective)	7.28	7.30	7.28
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.1	19.6	16.5

•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance (QA) parameters. *The duplicate QA field sample on 8/27/08 exceeded the 235 MPN/100mL EPA guideline with a value of 260.3 MPN/100mL*
Shaded table cells contain values that do not meet the water quality guidelines
The Friends of Deer Creek assisted with field collection at this site

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

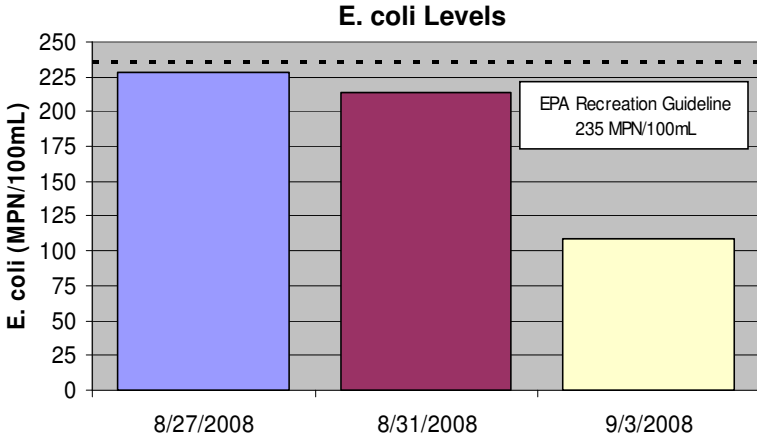
Squirrel Creek in Western Gateway Park, Penn Valley (516NEV906)

August 27, 2008 13:35PM

August 31, 2008 13:50PM

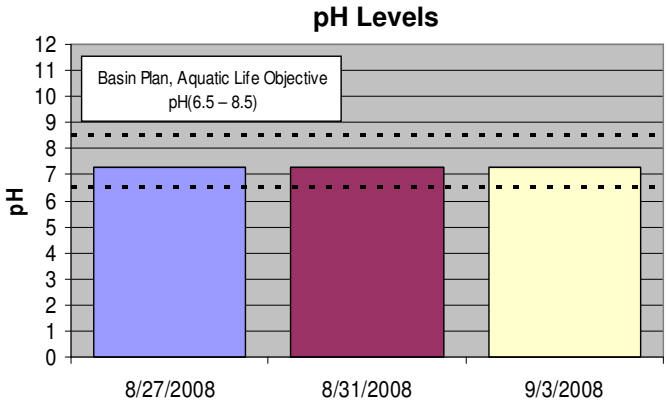
September 3, 2008 13:50PM

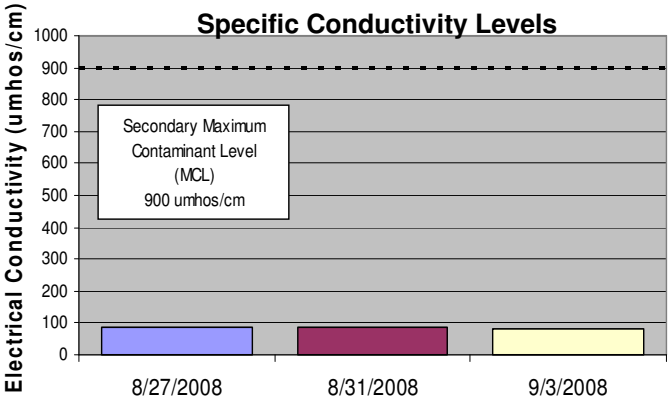
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

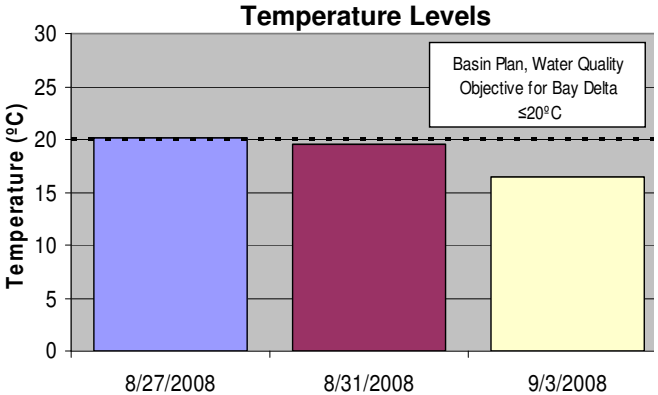


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







The Friends of Deer Creek assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Dry Creek/Cirby Confluence
SWAMP Site ID: 531PLA900
Watershed: Dry Creek Watershed
County: Placer
Longitude: -121.288483
Latitude: 38.733467

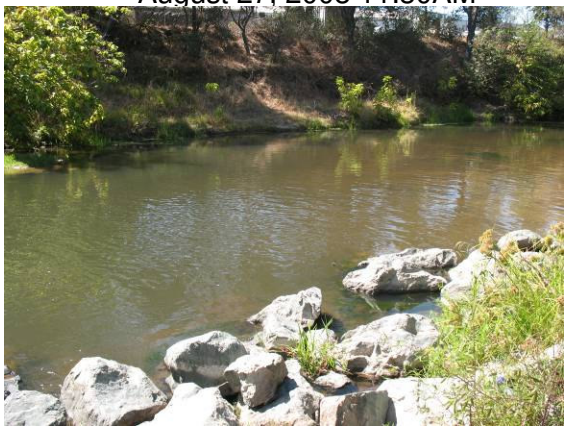
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	2419.6	209.8	272.3
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	100.3	104.0	103.4
pH	6.5-8.5 (Basin Plan Objective)	7.65	7.57	7.50
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	23.1	21.5	21.5

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The American Basin Council of Watersheds (ABCW) assisted with field collection at this site.

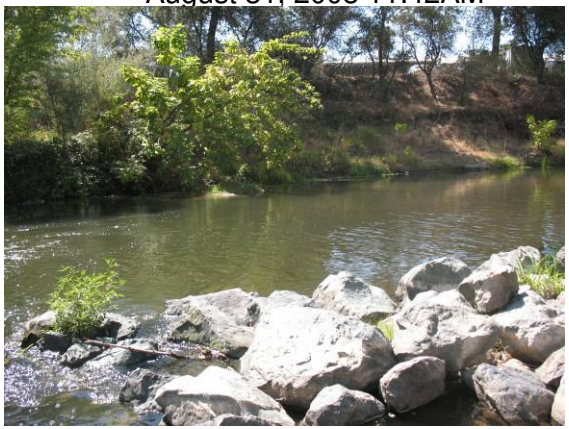
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Dry Creek/Cirby Confluence (531PLA900)

August 27, 2008 11:30AM

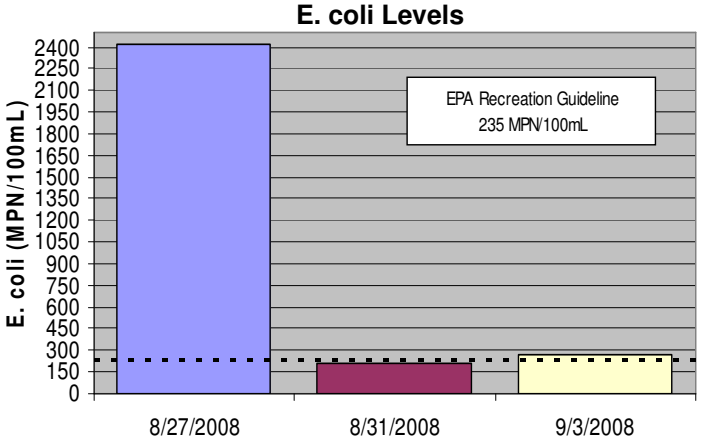


August 31, 2008 11:42AM



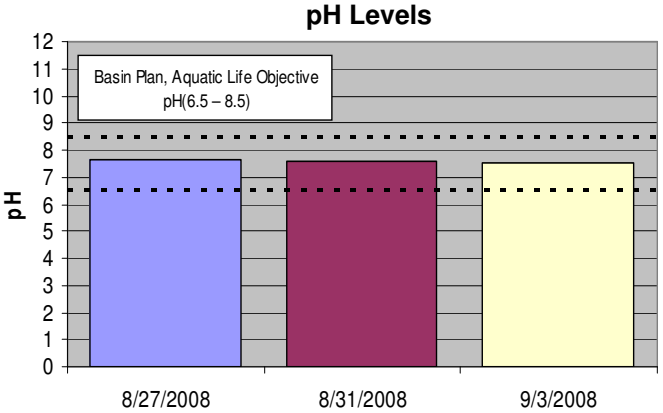
September 3, 2008 12:34PM

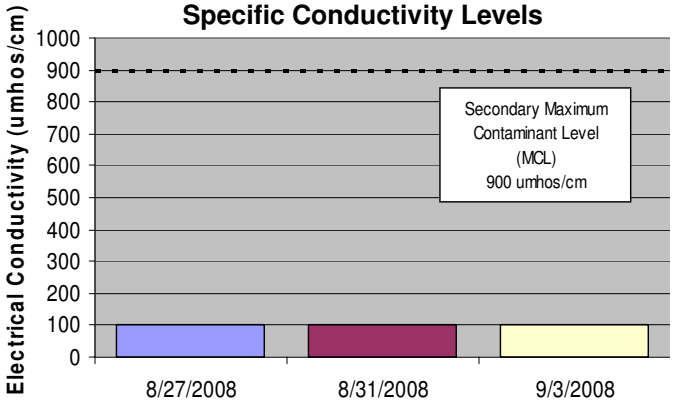
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

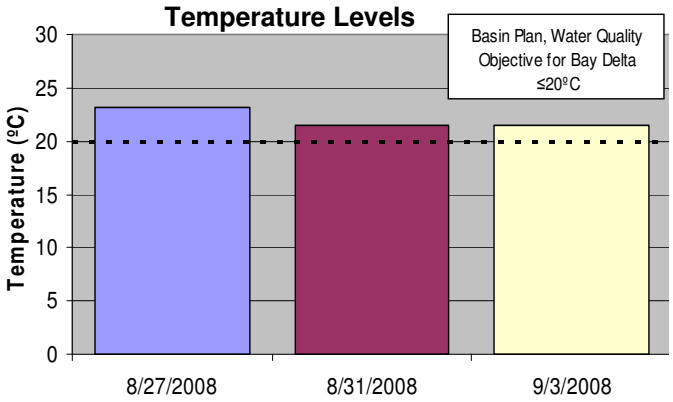


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







The American Basin Council of Watersheds (ABCW) assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Dry Creek at Walerga Bridge
SWAMP Site ID: 531PLA901
Watershed: Dry Creek Watershed
County: Placer
Longitude: -121.403438
Latitude: 38.714479

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	290.9	54.5	63.1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	240.5	223.7	226.7
pH	6.5-8.5 (Basin Plan Objective)	7.64	7.69	7.68
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	25.9	23.5	23.7

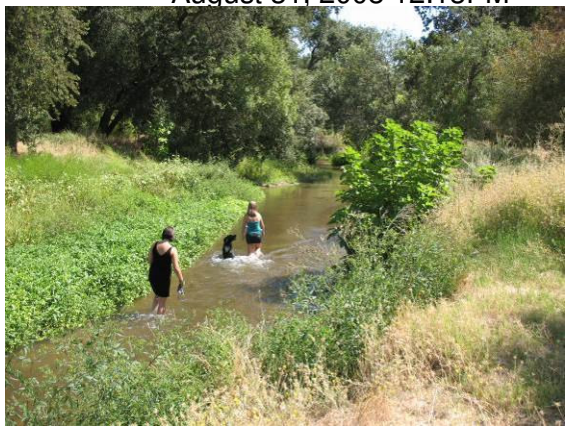
•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
Shaded table cells contain values that do not meet the water quality guidelines.
The American Basin Council of Watersheds (ABCW) assisted with field collection at this site.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Dry Creek @ Walerga Bridge (531PLA901)

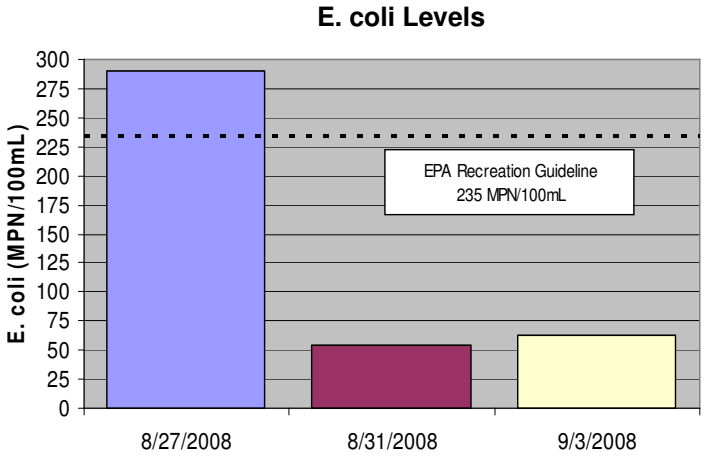
August 27, 2008 12:45PM

August 31, 2008 12:13PM



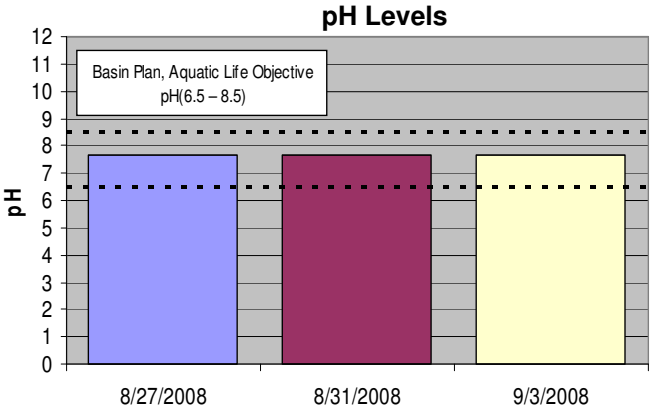
September 3, 2008 12:55PM

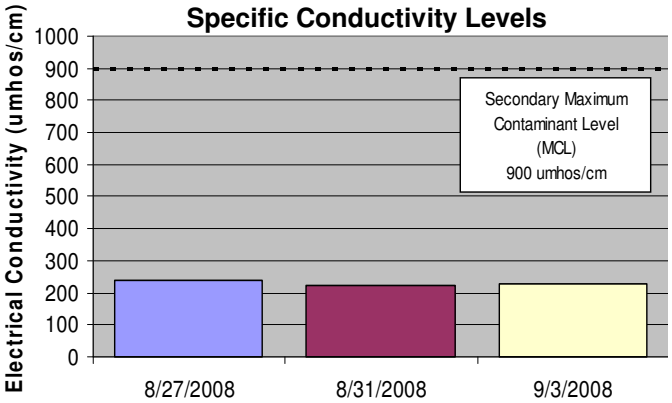
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

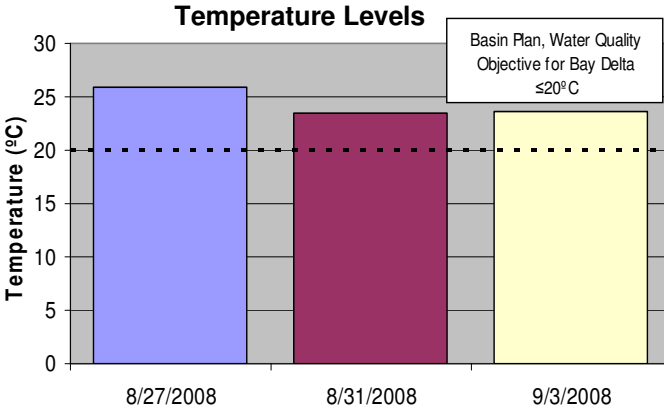


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







The American Basin Council of Watersheds (ABCW) assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Miners Ravine/Secret Ravine Confluence
SWAMP Site ID: 531PLA902
Watershed: Dry Creek Watershed
County: Placer
Longitude: -121.256633
Latitude: 38.759750

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	83.3	31.8	61.3
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	119.0	136.5	124.8
pH	6.5-8.5 (Basin Plan Objective)	7.56	7.19	7.14
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	22.0	21.5	20.4

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The American Basin Council of Watersheds (ABCW) assisted with field collection at this site.

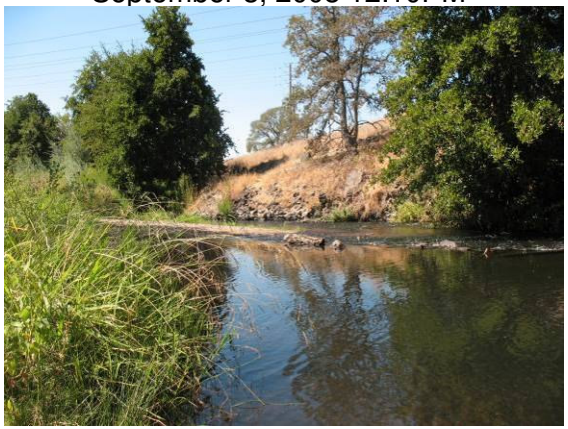
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Miners Ravine/Secret Ravine Confluence (531PLA902)

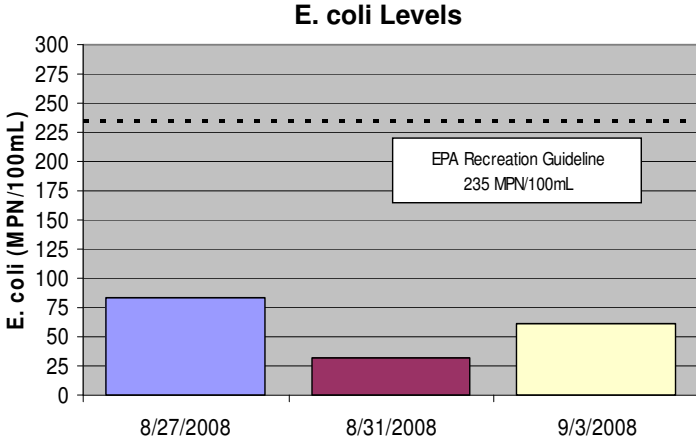
August 27, 2008 11:10AM

August 31, 2008 11:05AM

September 3, 2008 12:10PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



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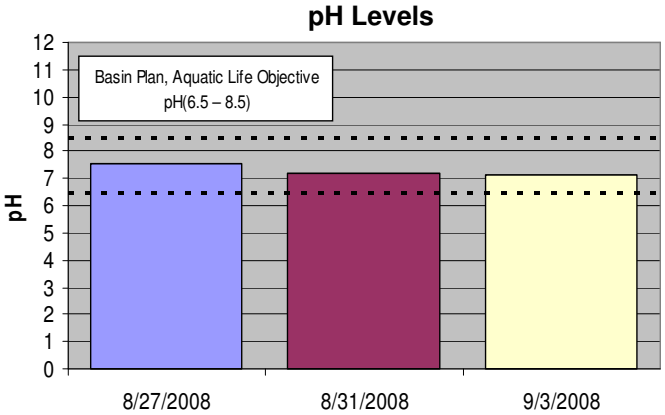
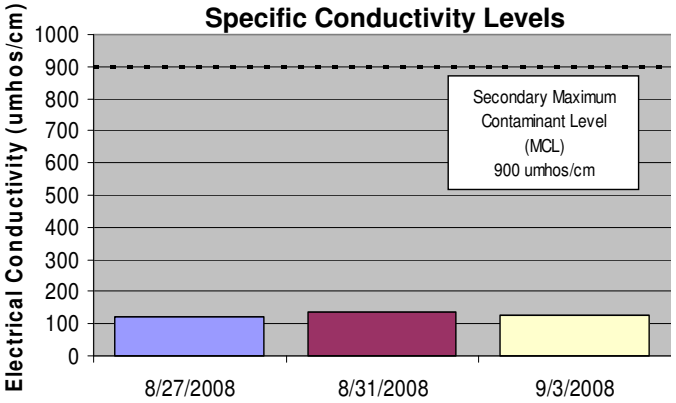
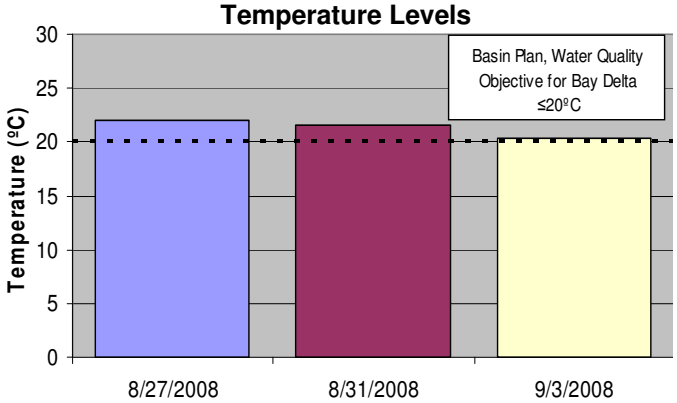






The American Basin Council of Watersheds (ABCW) assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Dry Creek at Hayer Dam
SWAMP Site ID: 531SAC900
Watershed: Dry Creek Watershed
County: Sacramento
Longitude: -121.446167
Latitude: 38.680388

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	117.8	43.2	60.5
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	299.5	295.7	257.6
pH	6.5-8.5 (Basin Plan Objective)	7.74	7.73	7.74
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	25.0	22.5	22.7

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The American Basin Council of Watersheds (ABCW) assisted with field collection at this site.

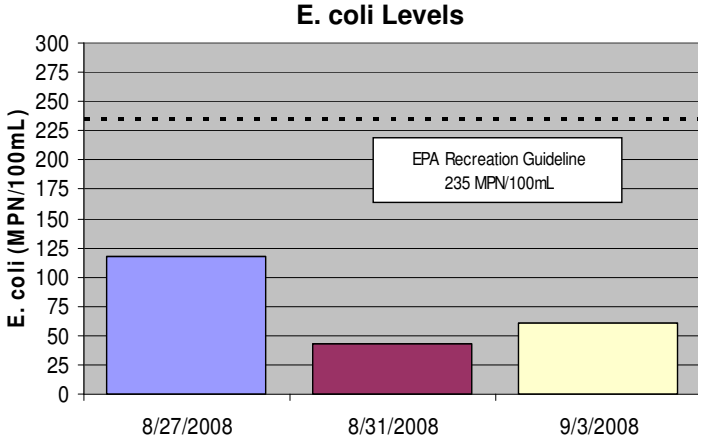
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
Dry Creek @ Hayer Dam (531SAC900)

August 27, 2008 13:12PM

August 31, 2008 12:47PM

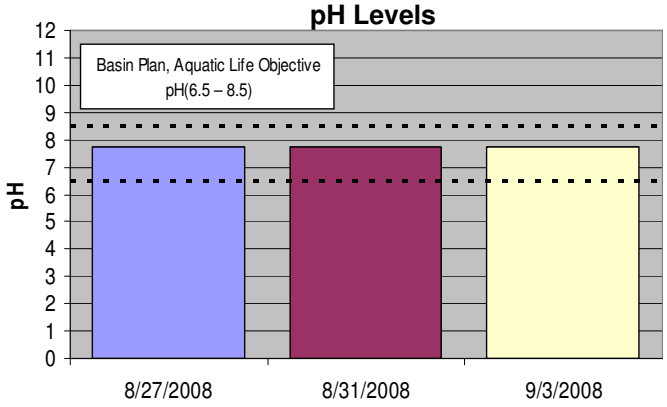
September 3, 2008 13:24PM

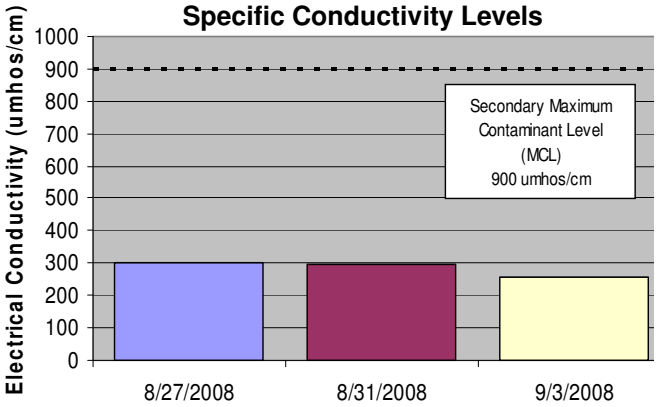
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

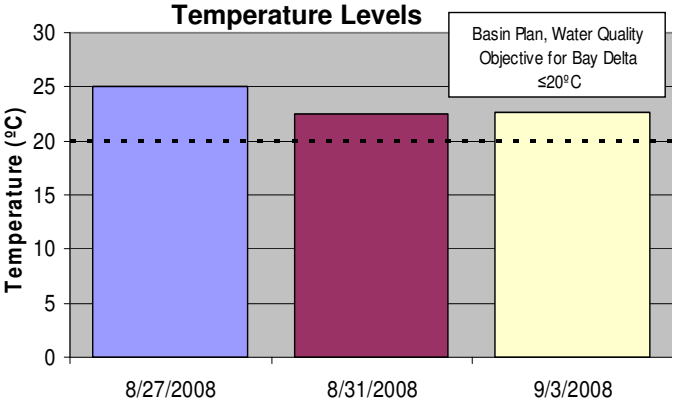


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







The American Basin Council of Watersheds (ABCW) assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

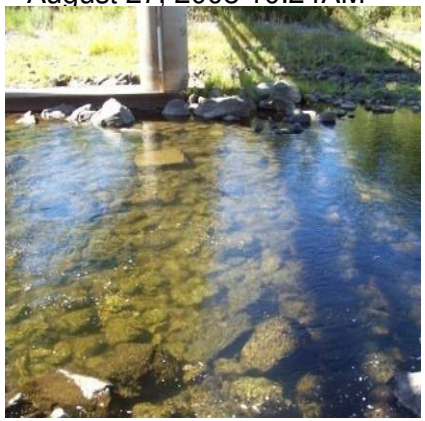
Description of Sample Site: Feather River at Middle Fork Sloat
SWAMP Site ID: 518PLU901
Watershed: Feather River Watershed
County: Plumas
Longitude: -120.727890
Latitude: 39.860850

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	1	8.6
Specific Conductivity (umhos/cm)	≤150 umhos/cm (Basin Plan, Water Quality Objective for Feather River)	147.9	n/a	148.4
pH	6.5-8.5 (Basin Plan Objective)	7.12	n/a	7.85
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	19.1	n/a	13.1

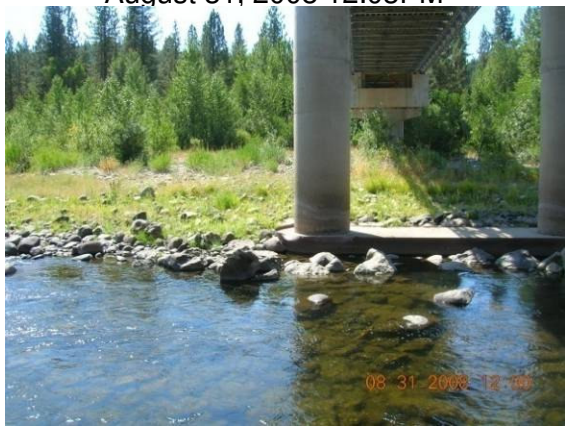
•NOTES:

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
Feather River at Middle Fork Sloat (518PLU901)

August 27, 2008 10:24AM



August 31, 2008 12:03PM



September 3, 2008 9:36AM

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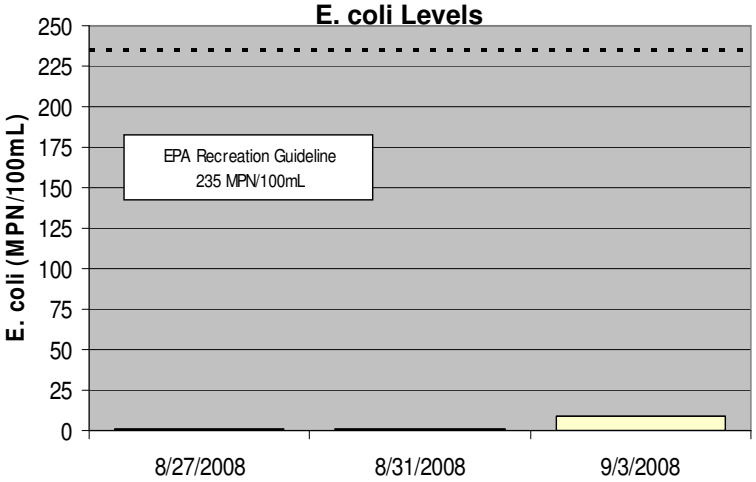
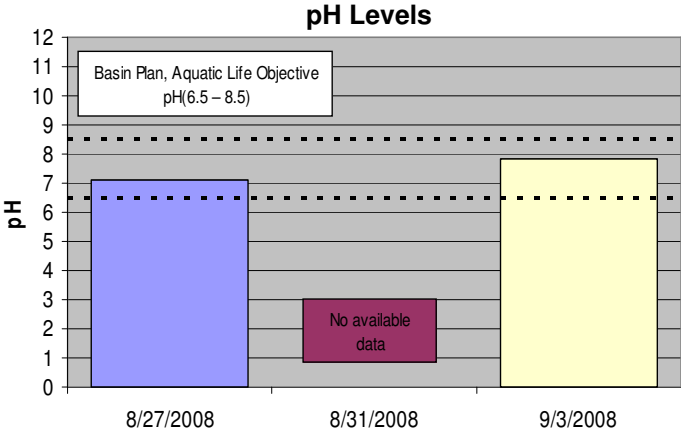
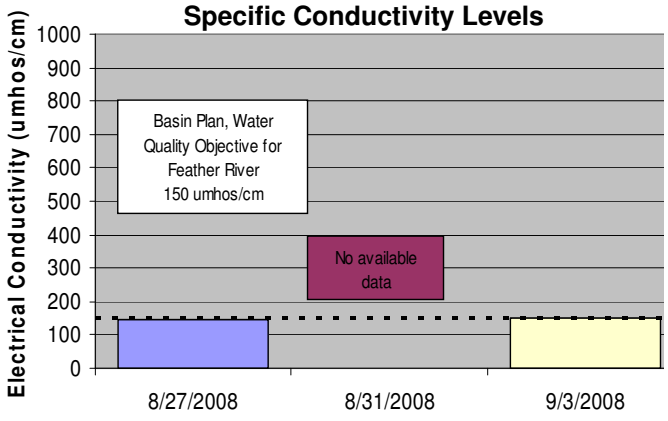
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

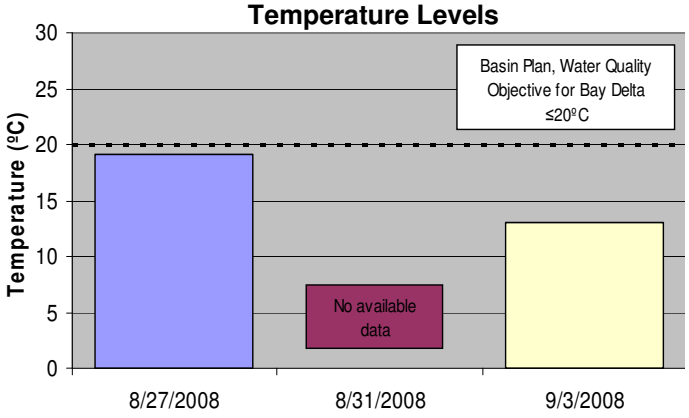


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Indian Creek at Indian Falls near Hwy 89
SWAMP Site ID: 518INABSP
Watershed: Indian Creek Watershed
County: Plumas
Longitude: -120.961380
Latitude: 40.059120

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	2	<1	4.1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	220.8	n/a	224.5
pH	6.5-8.5 (Basin Plan Objective)	7.61	n/a	7.68
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	21.4	n/a	15.1

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

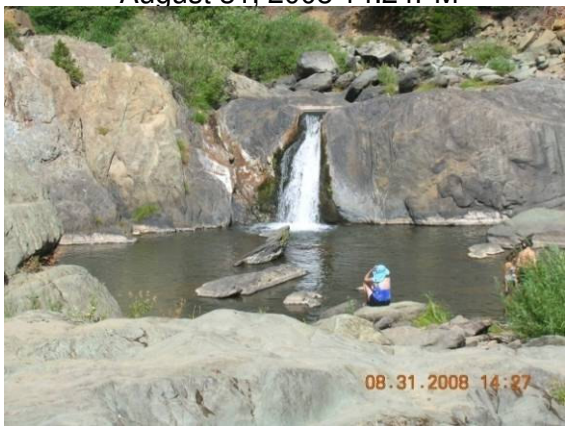
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Indian Creek at Indian Falls near Hwy 89 (518INABSP)

August 27, 2008 12:45PM

No image available

August 31, 2008 14:24PM

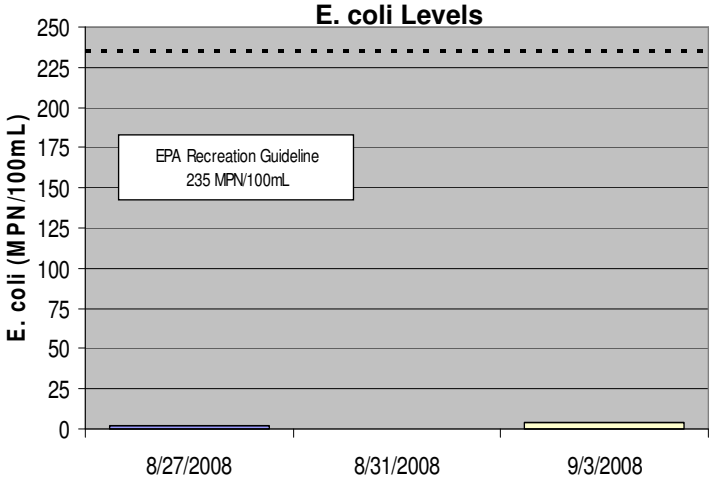


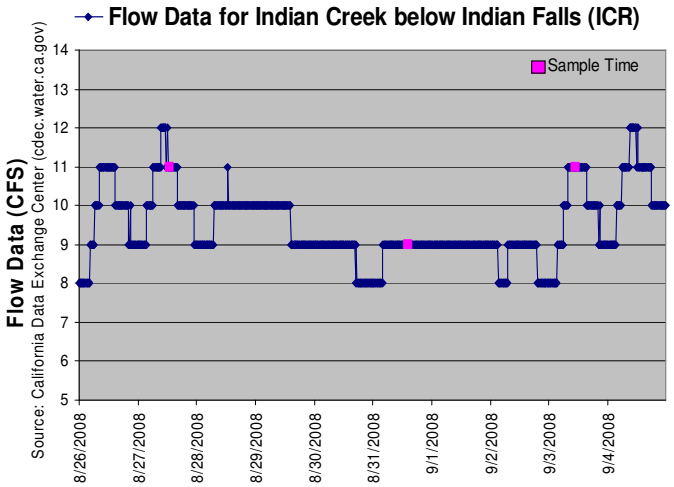
September 3, 2008 11:02AM

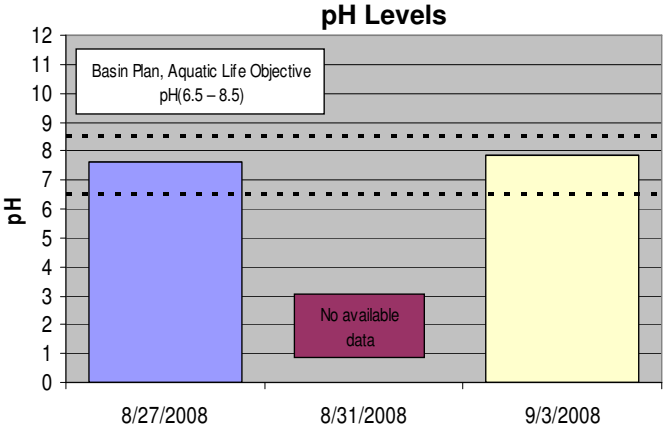
No image available

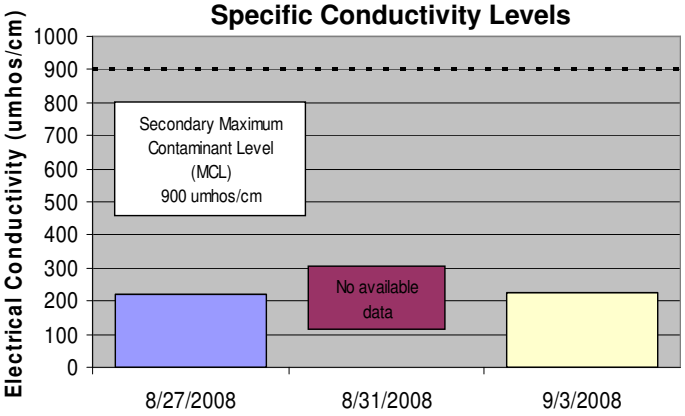
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

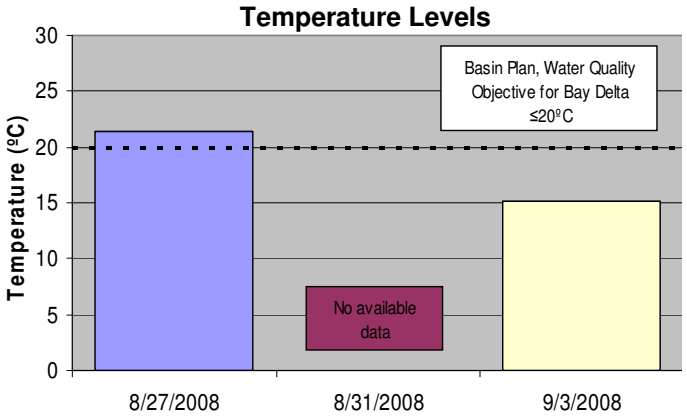
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

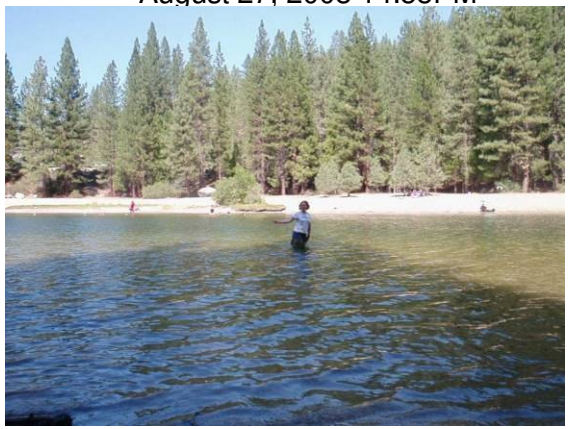
Description of Sample Site: Ten Mile Creek at Hume Lake
SWAMP Site ID: 552HUM020
Watershed: South Fork Kings River Watershed
County: Fresno
Longitude: -118.90042
Latitude: 36.786778

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	14.4	23.8
Specific Conductivity (umhos/cm)	≤100 umhos/cm (Basin Plan, Water Quality Objective for Kings River, above Kirch Flat)	44.2	44.7	44.0
pH	6.5-8.3 (Basin Plan Objective)	8.40	8.00	7.31
Temperature (° Celsius)	None available	24.7	23.1	21.7

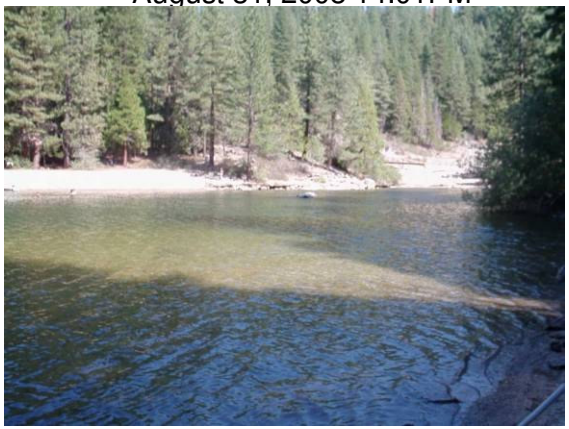
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
Ten Mile Creek at Hume Lake (552HUM020)

August 27, 2008 14:55PM

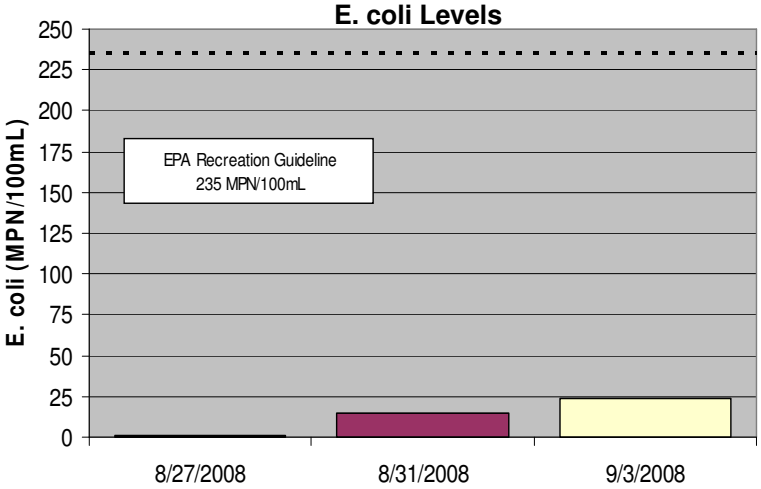


August 31, 2008 14:01PM



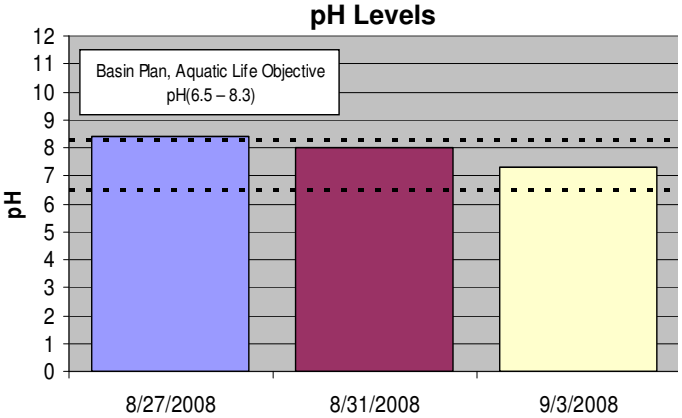
September 3, 2008 12:30PM

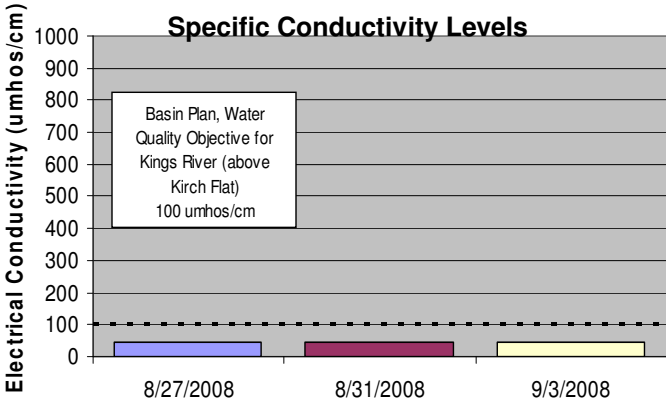
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

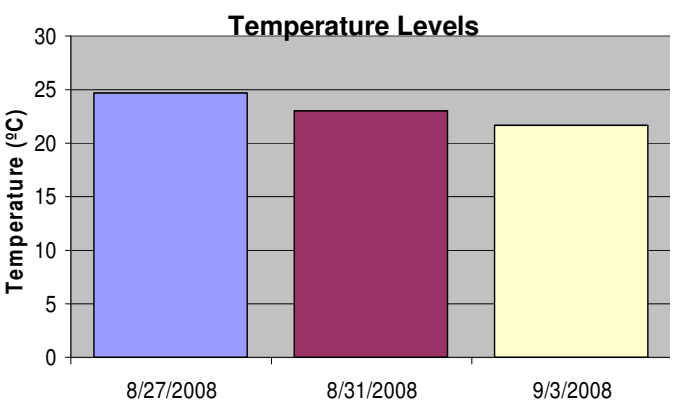


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Long Meadow Creek at Hume Lake
SWAMP Site ID: 552HUM030
Watershed: South Fork Kings River Watershed
County: Fresno
Longitude: -118.913579
Latitude: 36.787113

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	8.6	1	32.7
Specific Conductivity (umhos/cm)	≤100 umhos/cm (Basin Plan, Water Quality Objective for Kings River, above Kirch Flat)	73.5	76.8	75.3
pH	6.5-8.3 (Basin Plan Objective)	6.45	6.45	6.40
Temperature (° Celsius)	None available	21.4	19.5	18.1

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

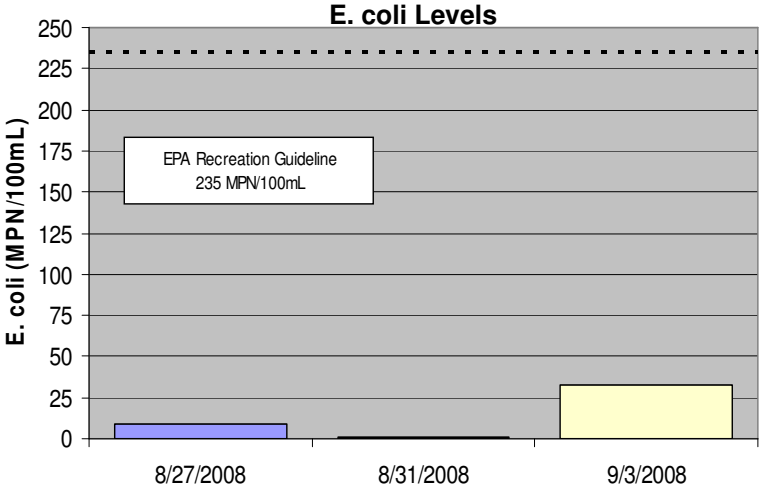
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
Long Meadow Creek at Hume Lake (552HUM030)

August 27, 2008 14:30PM

August 31, 2008 13:48PM

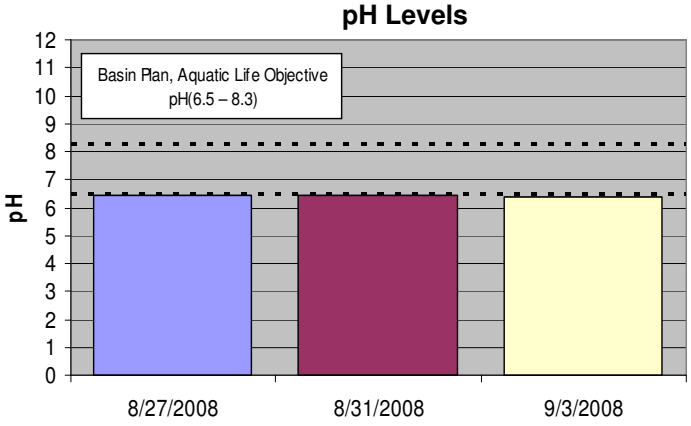
September 3, 2008 12:22PM

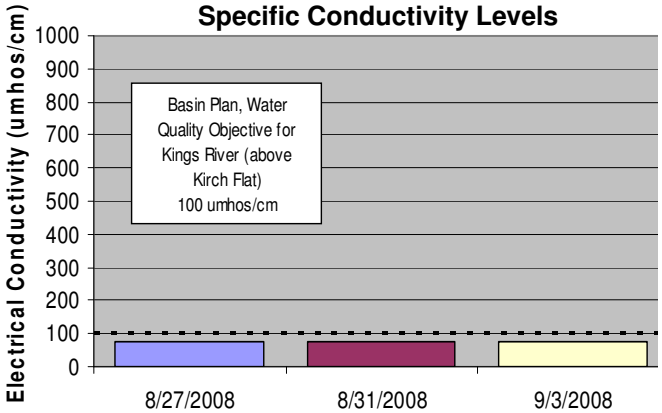
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

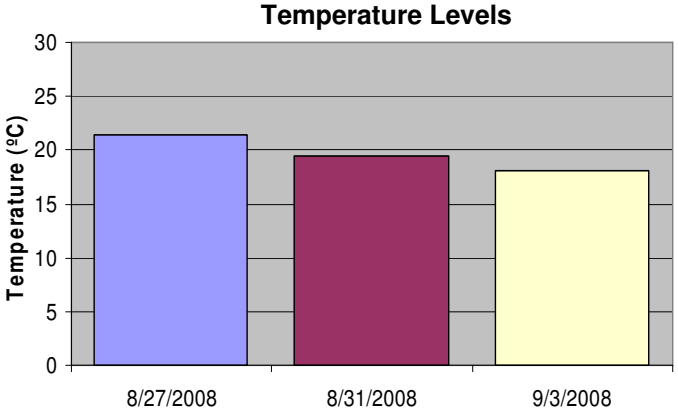


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Kings River, South Fork, at Muir Rock and Hwy 180
SWAMP Site ID: 552KIN900
Watershed: South Fork Kings River Watershed
County: Fresno
Longitude: -118.5838
Latitude: 36.79353

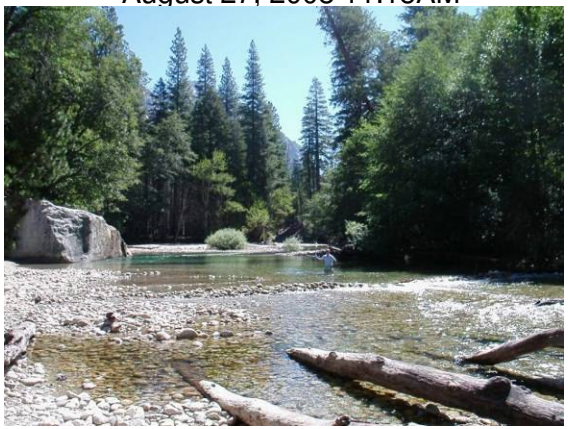
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	3.1	8.5
Specific Conductivity (umhos/cm)	≤100 umhos/cm (Basin Plan, Water Quality Objective for Kings River, above Kirch Flat)	45.5	47.7	45.8
pH	6.5-8.3 (Basin Plan Objective)	6.87	7.10	6.25
Temperature (° Celsius)	None available	15.4	15.2	12.3

•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
Shaded table cells contain values that do not meet the water quality guidelines.

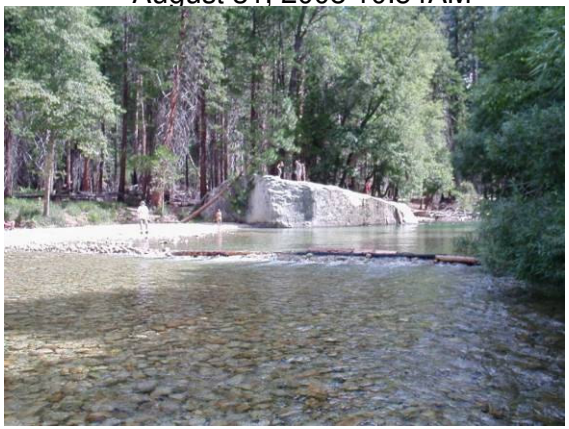
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Kings River, South Fork, at Muir Rock and Hwy 180 (552KIN900)

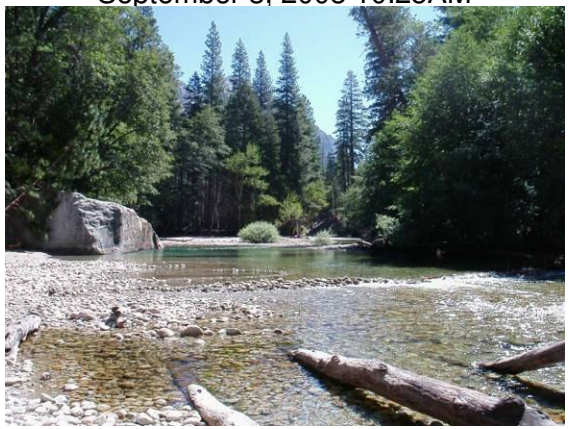
August 27, 2008 11:15AM



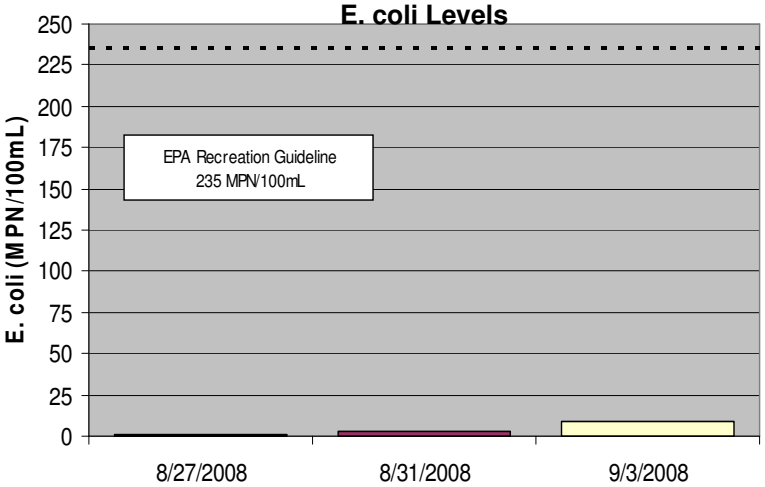
August 31, 2008 10:54AM



September 3, 2008 10:25AM

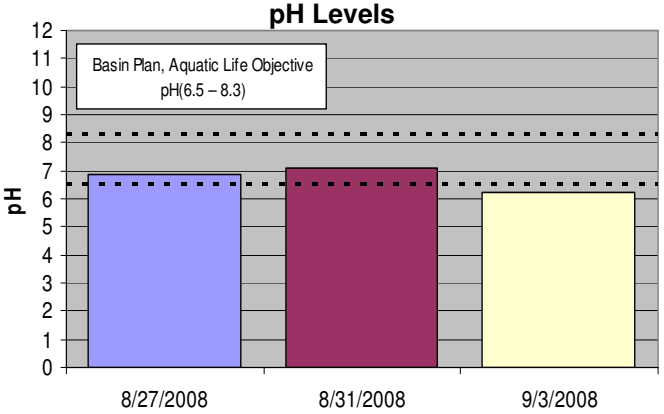


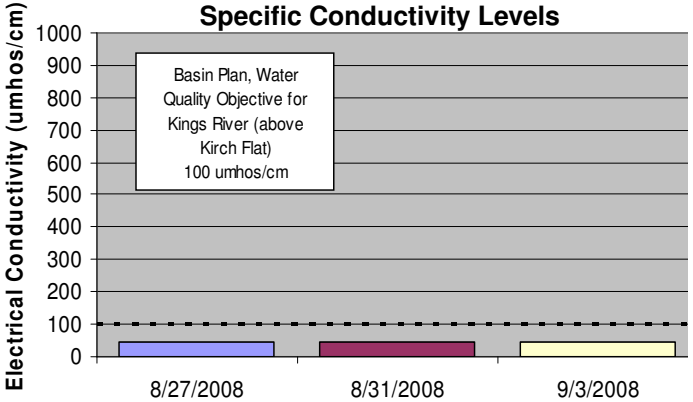
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

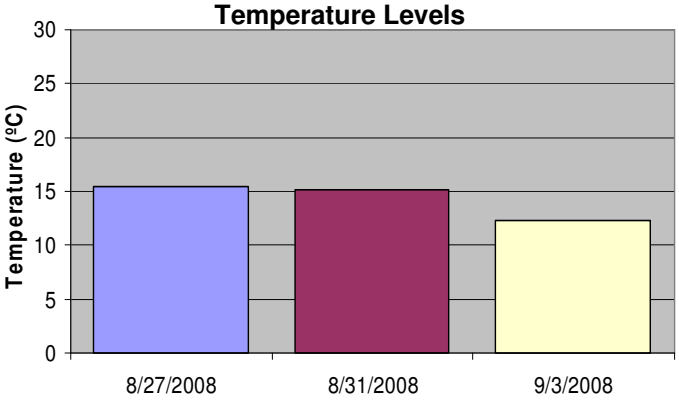


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Kings River, South Fork, at Hotel Creek and Cedar Grove
SWAMP Site ID: 552KIN901
Watershed: South Fork Kings River Watershed
County: Fresno
Longitude: -118.66905
Latitude: 36.78925

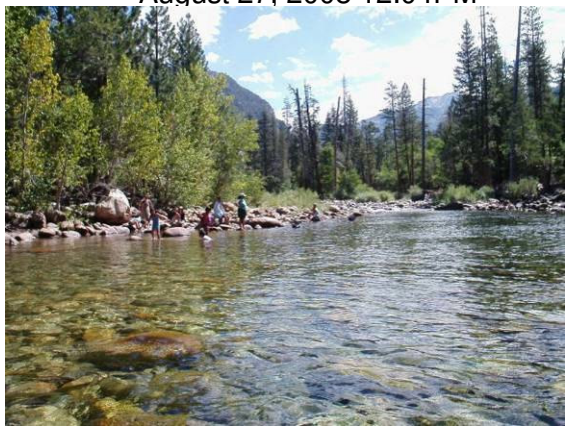
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	4.1	1
Specific Conductivity (umhos/cm)	≤100 umhos/cm (Basin Plan, Water Quality Objective for Kings River, above Kirch Flat)	45.0	46.6	47.6
pH	6.5-8.3 (Basin Plan Objective)	6.74	7.00	6.80
Temperature (° Celsius)	None available	18.0	16.7	14.2

•NOTES:

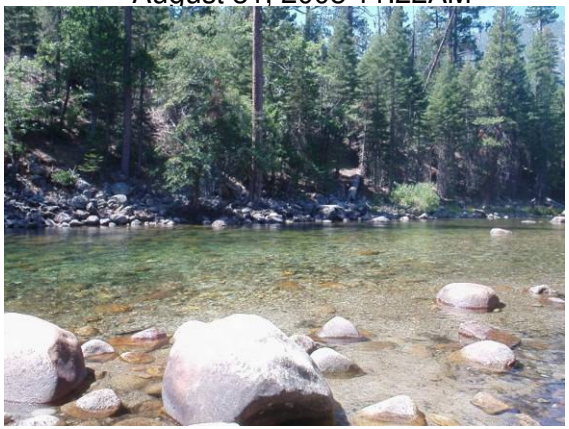
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Kings River, South Fork @ Hotel Creek and Cedar Grove Ranger Station (552KIN901)

August 27, 2008 12:04PM



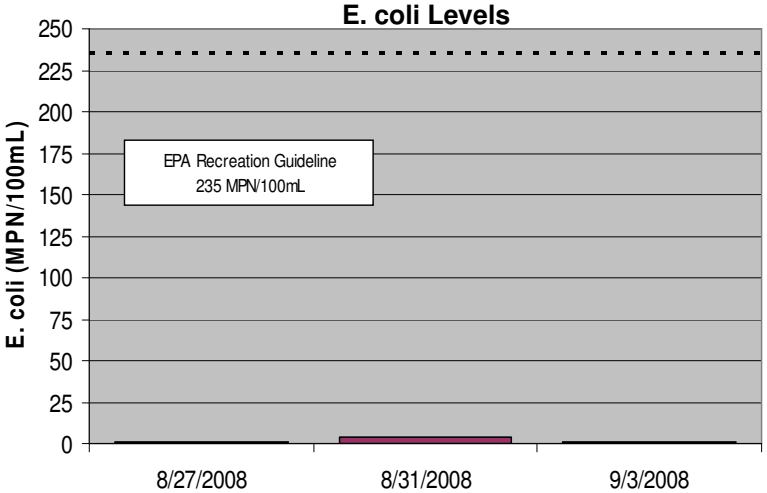
August 31, 2008 11:22AM



September 3, 2008 10:45AM

No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



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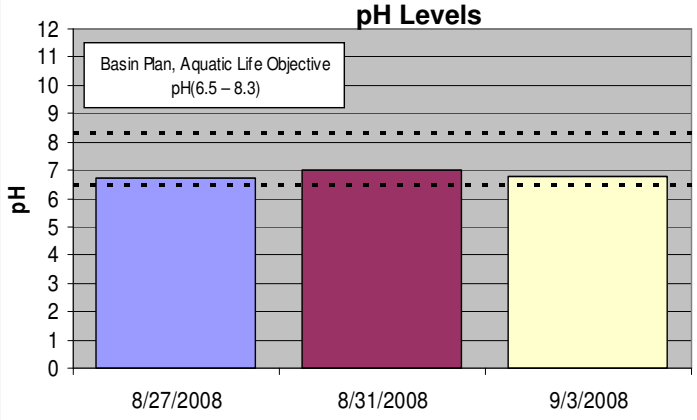
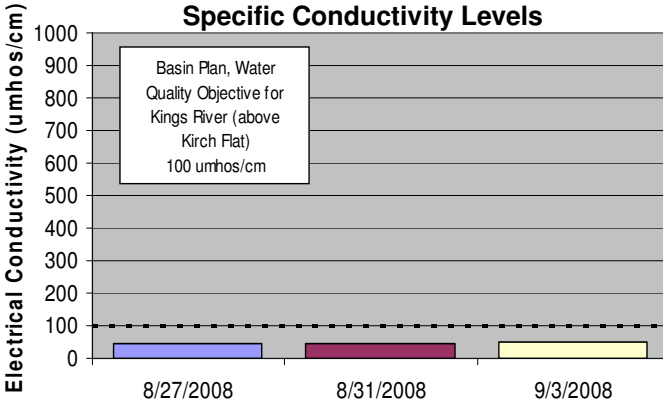
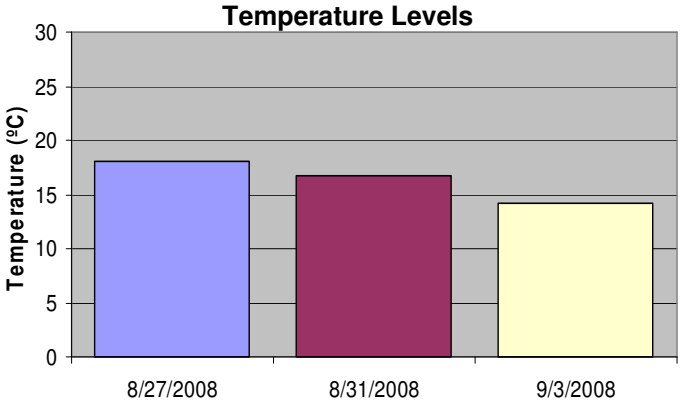
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Kings River, South Fork, at Lewis Creek Trailhead
SWAMP Site ID: 552KIN902
Watershed: South Fork Kings River Watershed
County: Fresno
Longitude: -118.691600
Latitude: 36.799340

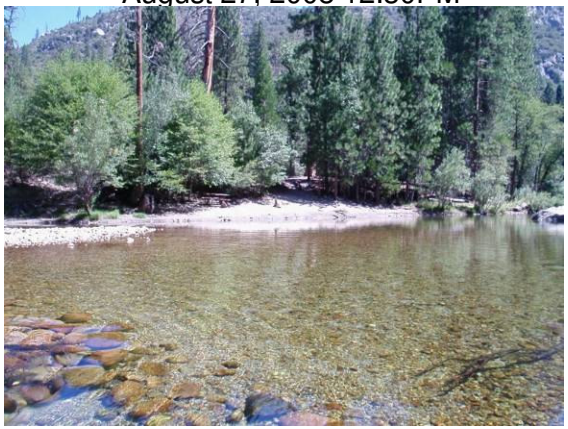
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	7.4	8.5
Specific Conductivity (umhos/cm)	≤100 umhos/cm (Basin Plan, Water Quality Objective for Kings River, above Kirch Flat)	47.9	49.8	50.5
pH	6.5-8.3 (Basin Plan Objective)	7.00	7.07	7.08
Temperature (° Celsius)	None available	19.1	17.0	14.5

•NOTES:

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Kings River, South Fork, at Lewis Creek Trailhead (552KIN902)

August 27, 2008 12:30PM

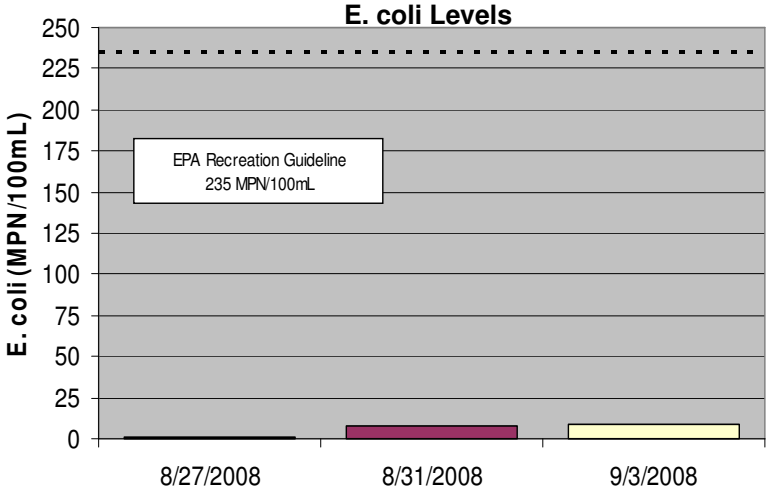


August 31, 2008 11:53AM

September 3, 2008 11:15AM

No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



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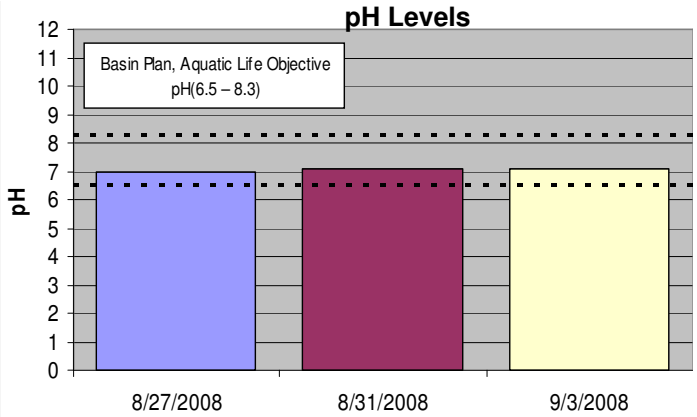
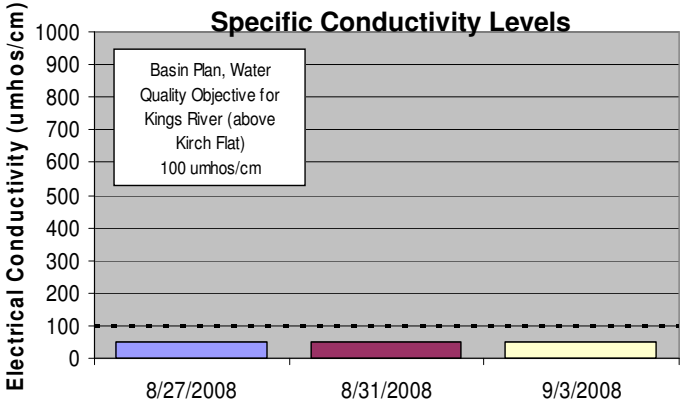
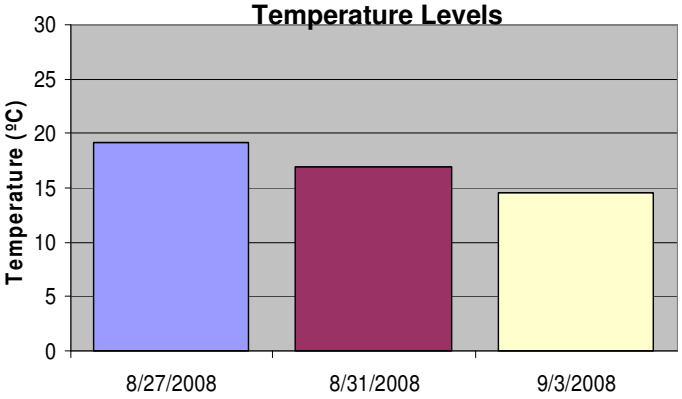
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Kings River, South Fork, at Hwy 180 and Cedar Grove
SWAMP Site ID: 552KIN903
Watershed: South Fork Kings River Watershed
County: Fresno
Longitude: -118.687530
Latitude: 36.798070

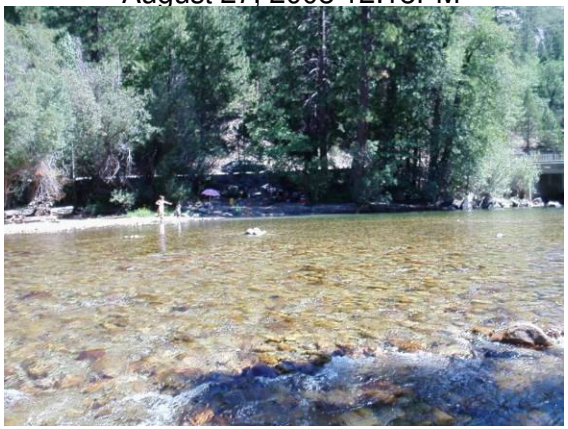
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	3.1	3.1	4.1
Specific Conductivity (umhos/cm)	≤100 umhos/cm (Basin Plan, Water Quality Objective for Kings River, above Kirch Flat)	46.3	48.0	48.7
pH	6.5-8.3 (Basin Plan Objective)	6.94	6.90	6.98
Temperature (° Celsius)	None available	20.1	17.0	14.7

•NOTES:

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

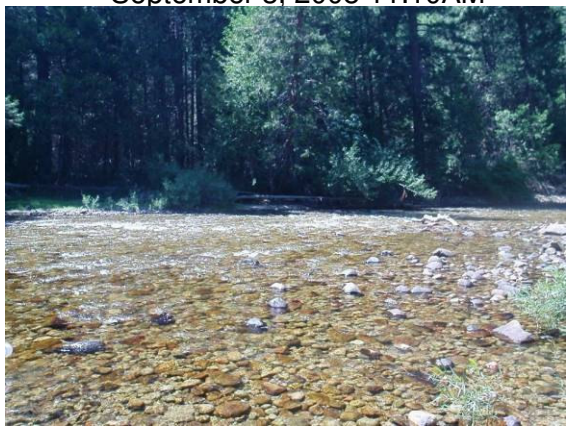
Kings River, South Fork, at Hwy 180 and Cedar Grove (552KIN903)

August 27, 2008 12:18PM

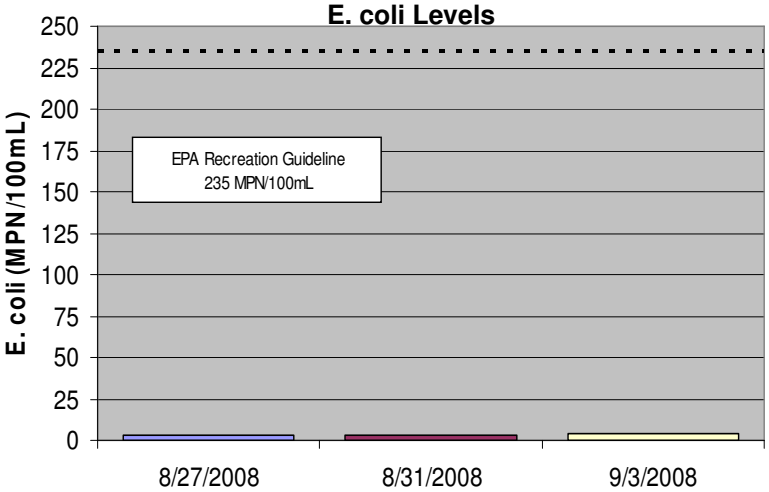


August 31, 2008 11:42AM

September 3, 2008 11:10AM

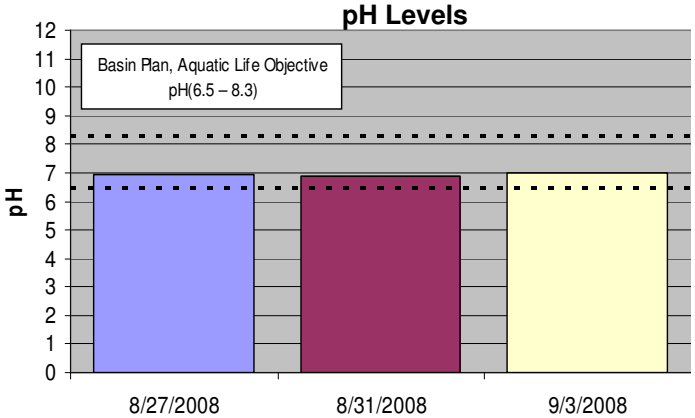


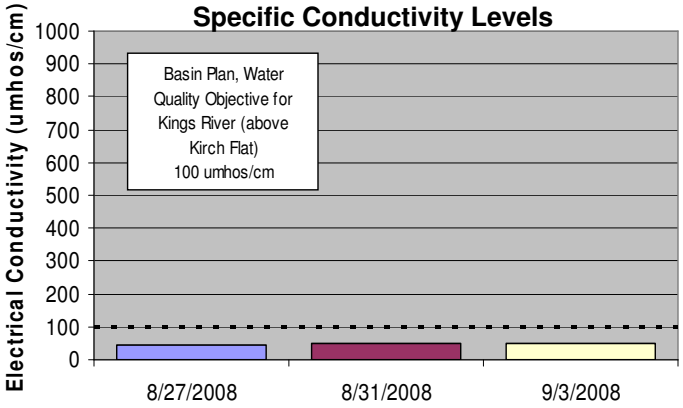
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

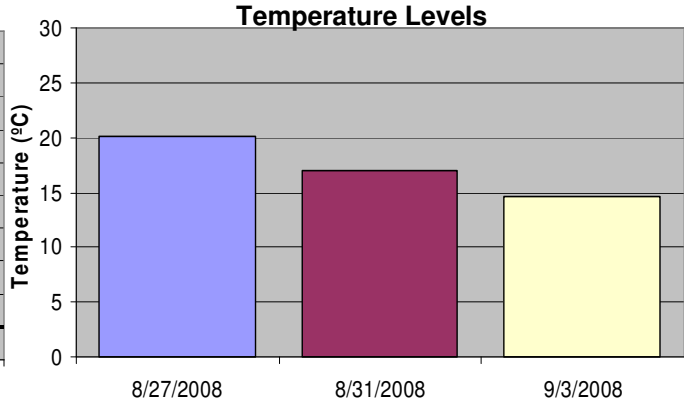


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Merced River at Merced Falls Road
SWAMP Site ID: 535MER209
Watershed: Merced River Watershed
County: Merced
Longitude: -120.378833
Latitude: 37.518067

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	7.5	9.6	7.2
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	25	25	26
pH	6.5-8.5 (Basin Plan Objective)	7.88	8.06	7.84
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	19.11	17.65	17.89

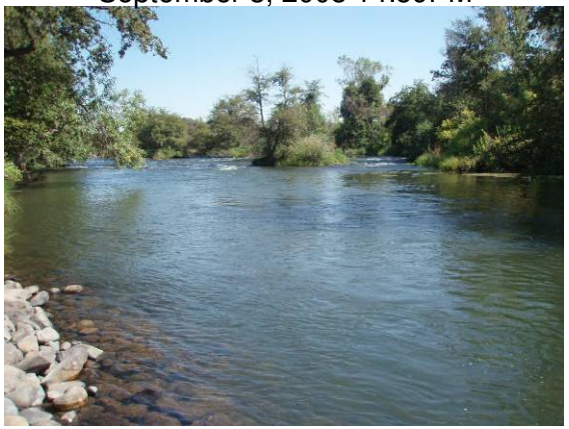
•NOTES:

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
Merced River at Merced Falls Road (535MER209)

August 27, 2008 16:16PM

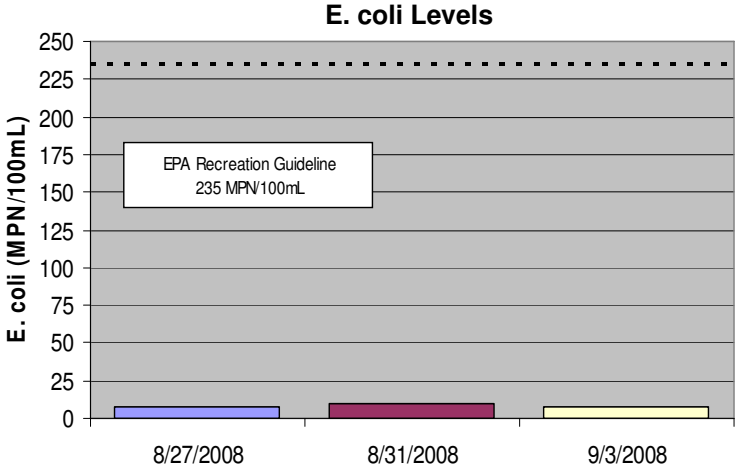
August 31, 2008 15:16PM

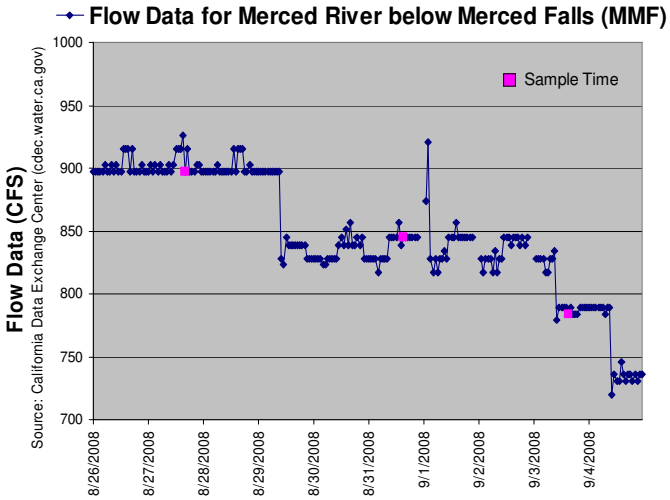
September 3, 2008 14:59PM

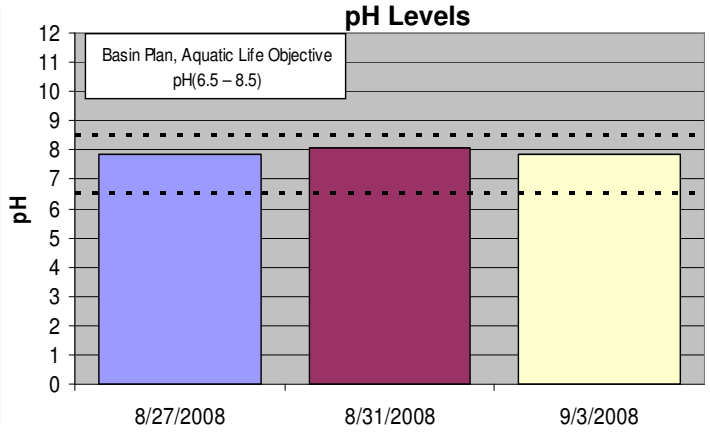


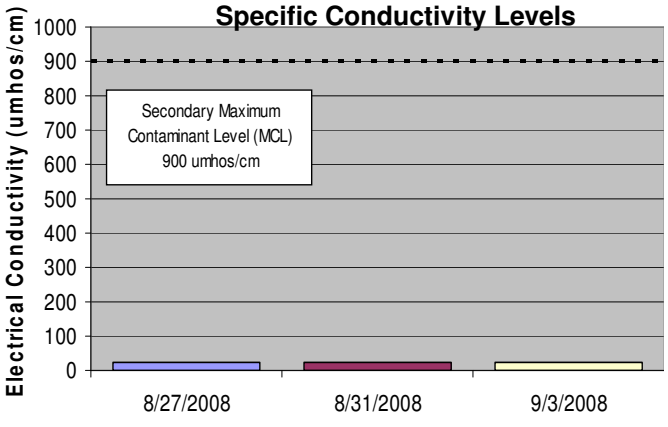
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

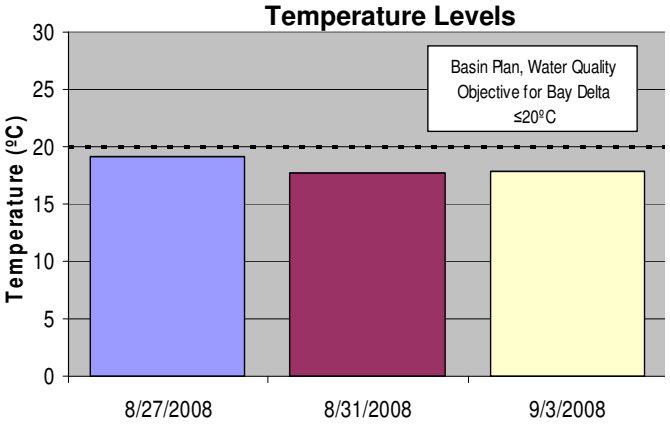
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Merced River at Henderson Park
SWAMP Site ID: 535MER210
Watershed: Merced River Watershed
County: Merced
Longitude: -120.421467
Latitude: 37.521683

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	8.5	62	19.9
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	27	27	27
pH	6.5-8.5 (Basin Plan Objective)	7.88	7.89	7.8
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.25	19.2	19.24

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
Merced River at Henderson Park (535MER210)

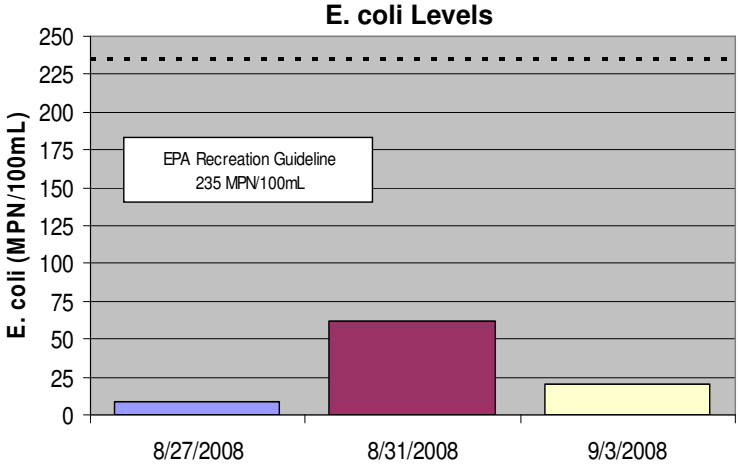
August 27, 2008 16:35PM

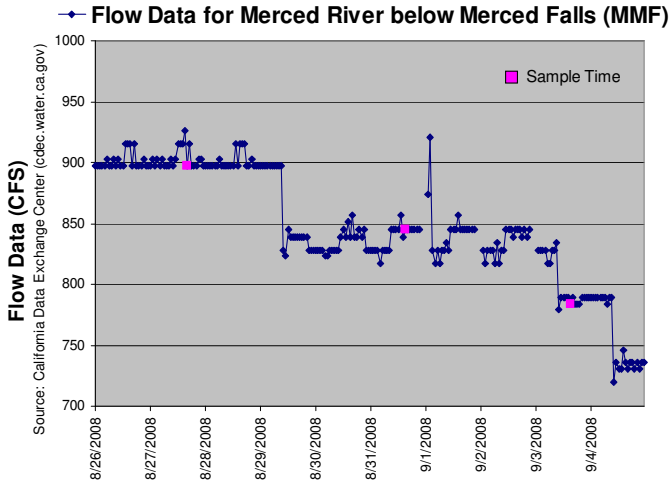
August 31, 2008 15:35PM

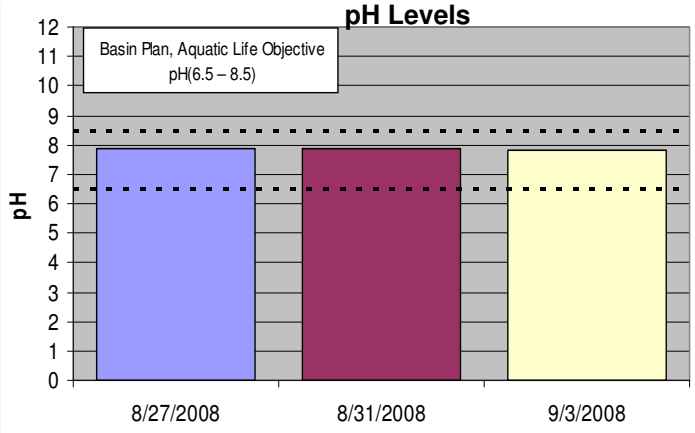
September 3, 2008 15:15PM

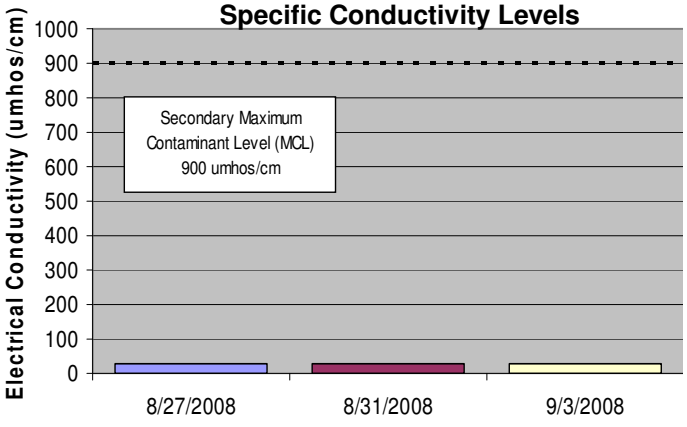
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

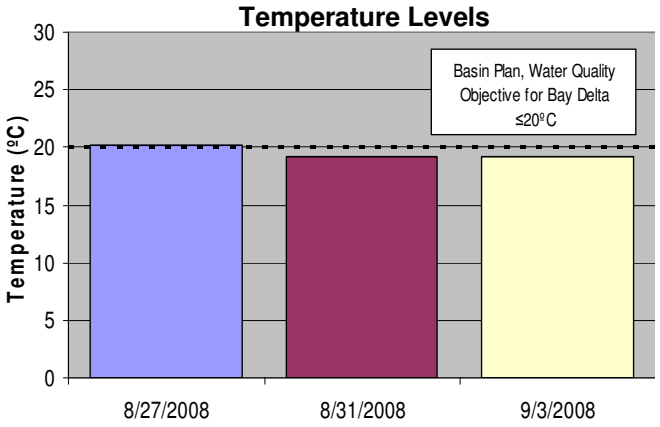
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Merced River at El Portal – Patty's Hole
SWAMP Site ID: 537MAR900
Watershed: Merced River Watershed
County: Mariposa
Longitude: -119.787483
Latitude: 37.672167

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	125.9	8.5
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	42	43	35
pH	6.5-8.5 (Basin Plan Objective)	8.33	8.11	7.7
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	24.3	21.95	20.62

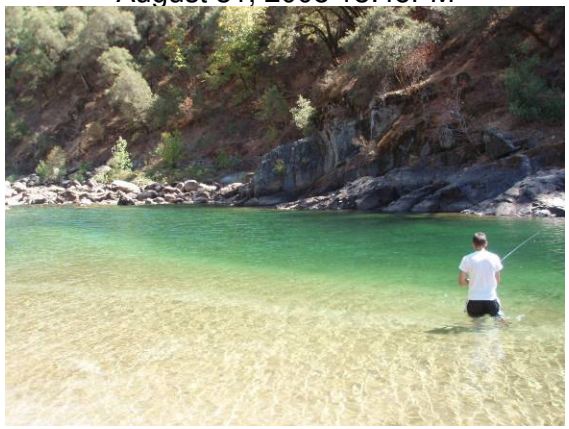
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Merced River at El Portal – "Patty's Hole" (537MAR900)

August 27, 2008 14:39PM

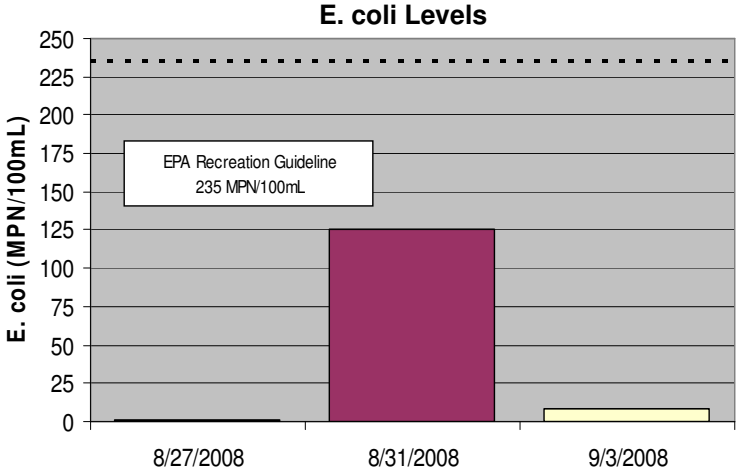
August 31, 2008 13:45PM

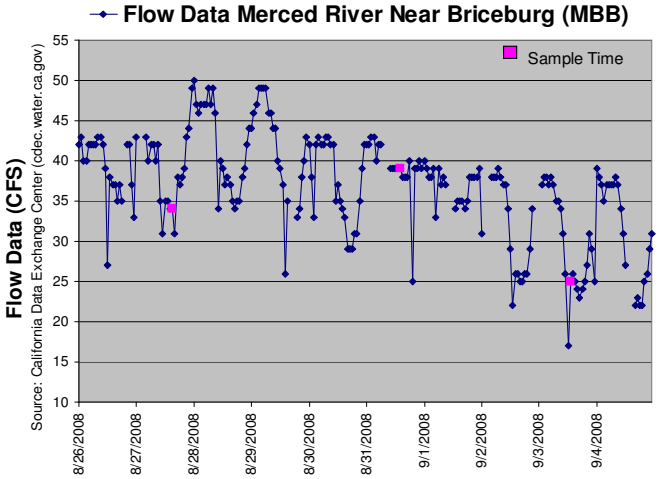


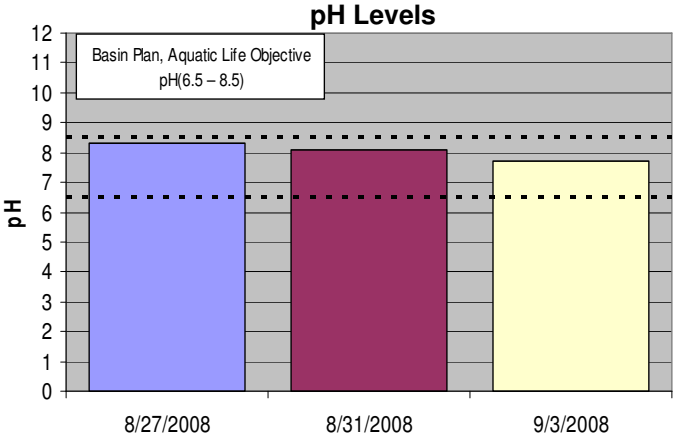
September 3, 2008 13:26PM

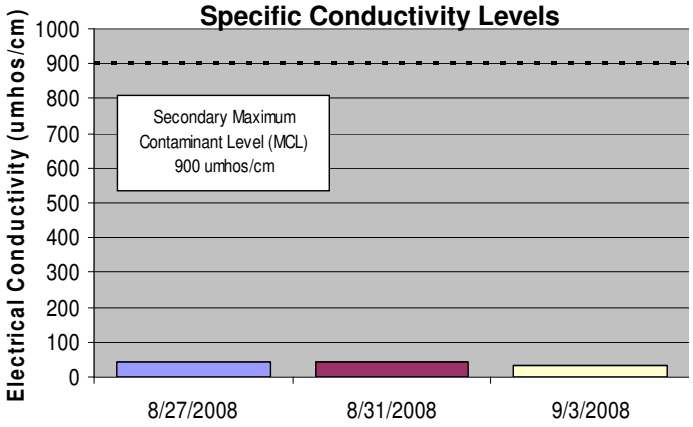
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

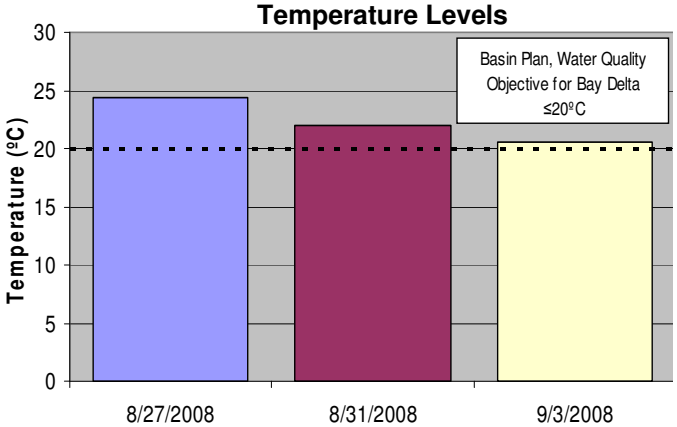
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Mokelumne River, North Fork, at Hwy 26 Bridge
SWAMP Site ID: 532AMA001
Watershed: Mokelumne River Watershed
County: Amador
Longitude: -120.541111
Latitude: 38.423333

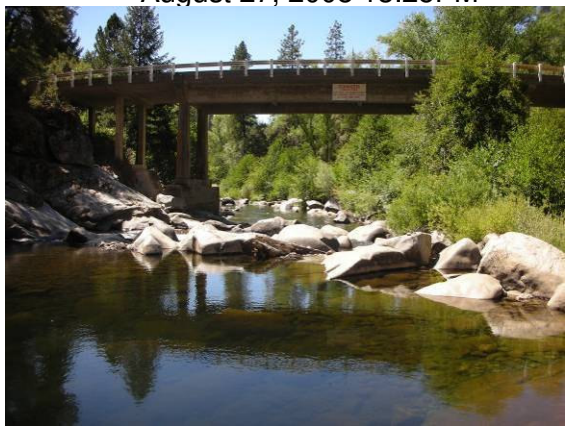
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	3.1	1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	22.52	33.6	21.28
pH	6.5-8.5 (Basin Plan Objective)	9.33	8.04	7.42
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	16	15	17. 1

•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Mokelumne River, North Fork, at Hwy 26 (532AMA001)

August 27, 2008 13:25PM



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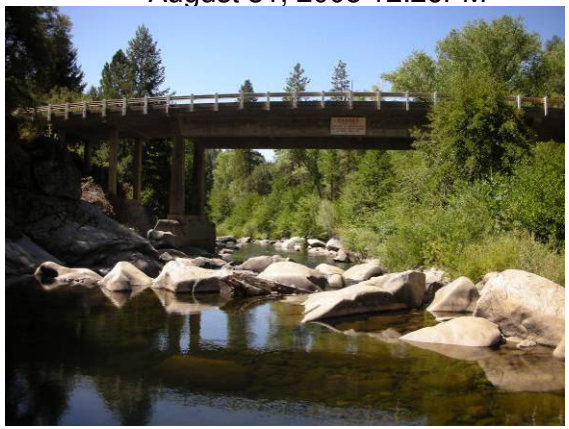
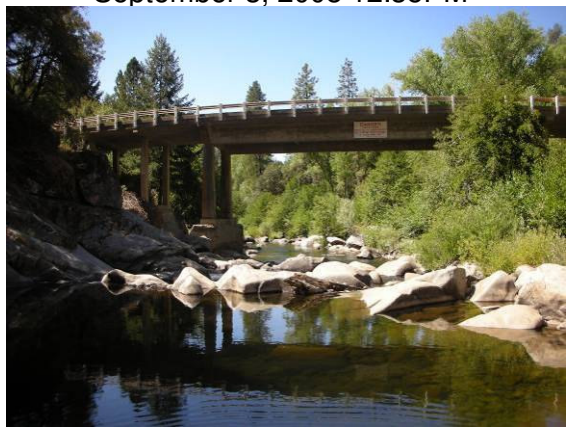
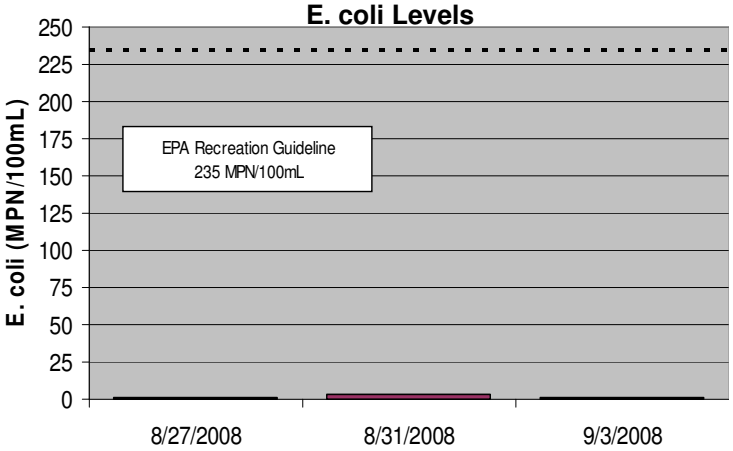


September 3, 2008 12:35PM

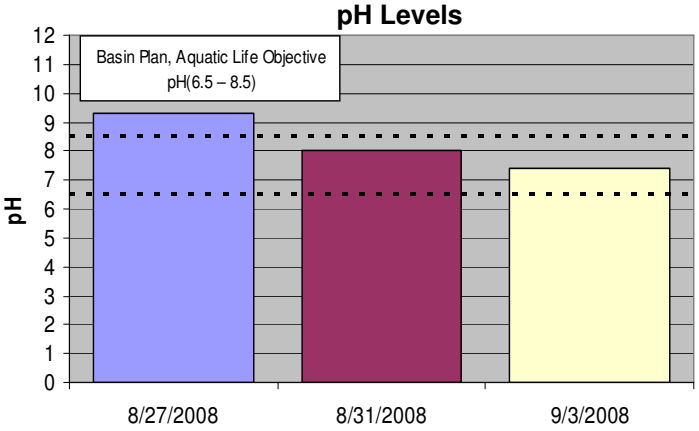


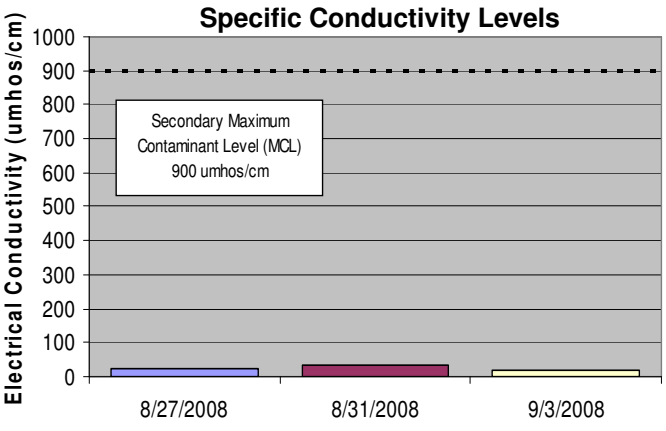
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

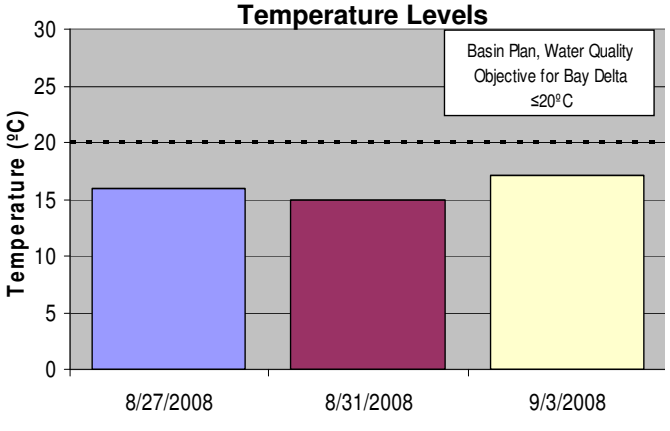


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

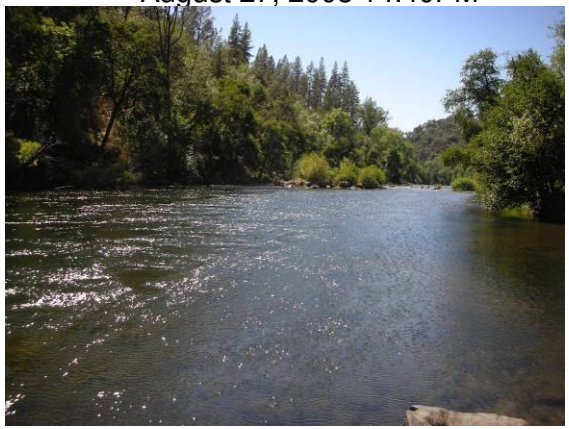
Description of Sample Site: Mokelumne River below Box Beach
SWAMP Site ID: 532AMA005
Watershed: Mokelumne River Watershed
County: Amador
Longitude: -120.686300
Latitude: 38.320483

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	13.2	4.1	<1.0
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	29.2	23	29.88
pH	6.5-8.5 (Basin Plan Objective)	9.13	8.14	7.64
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	19.5	16.9	20.1

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
Mokelumne River, below Box Beach (532AMA005)

August 27, 2008 14:40PM



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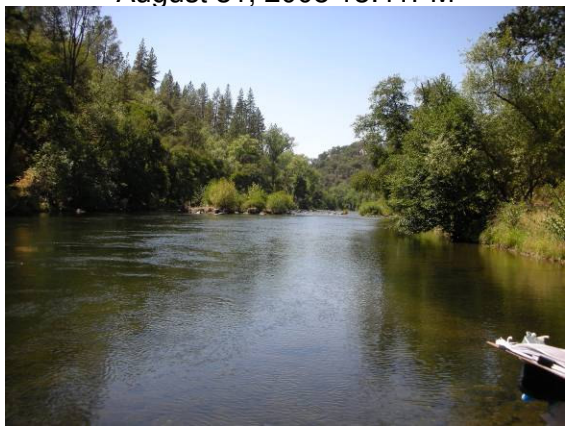

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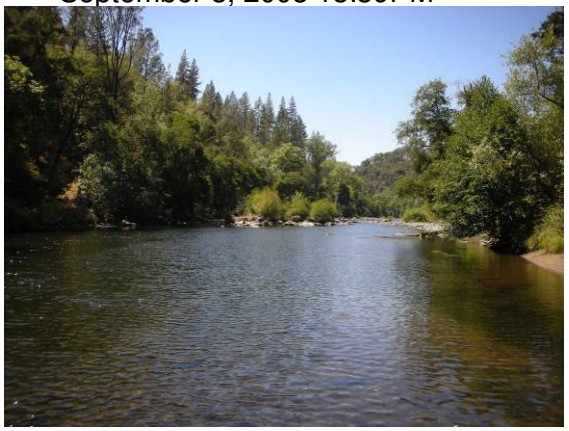
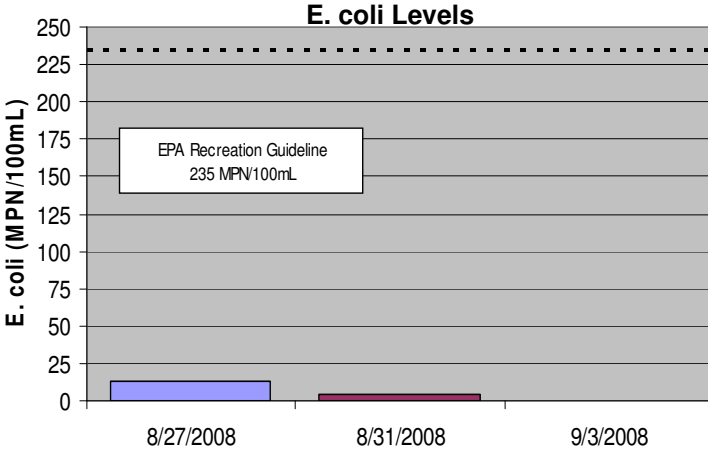
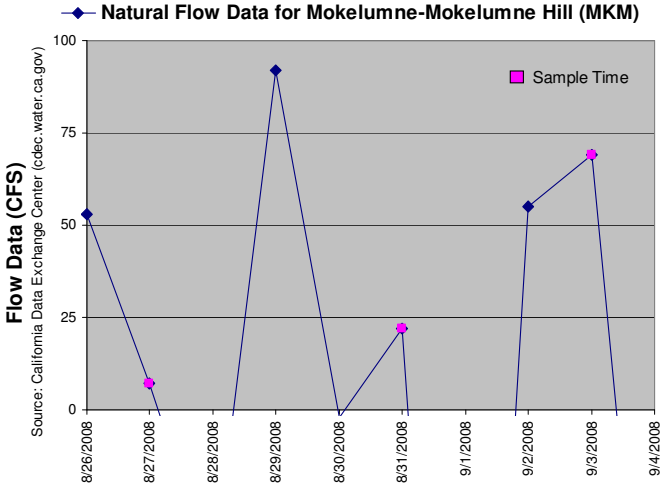
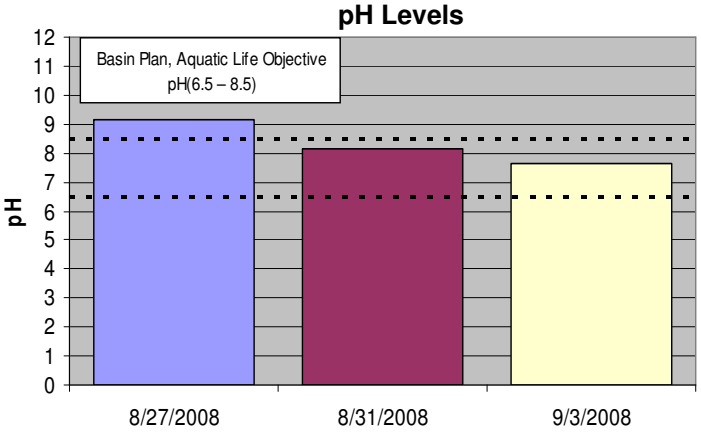


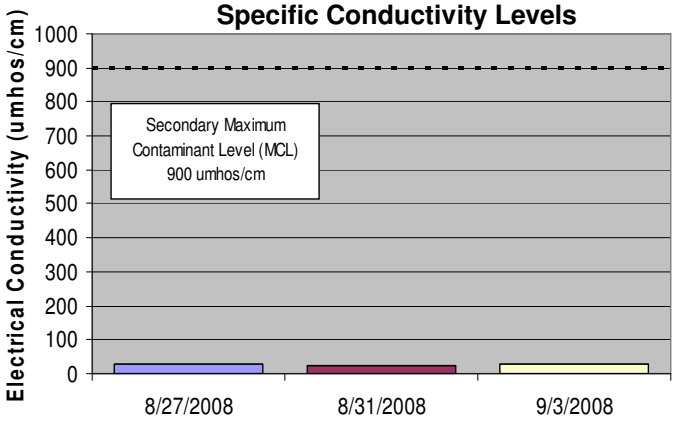
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Summary sheets for all sites included in this study can be found at:

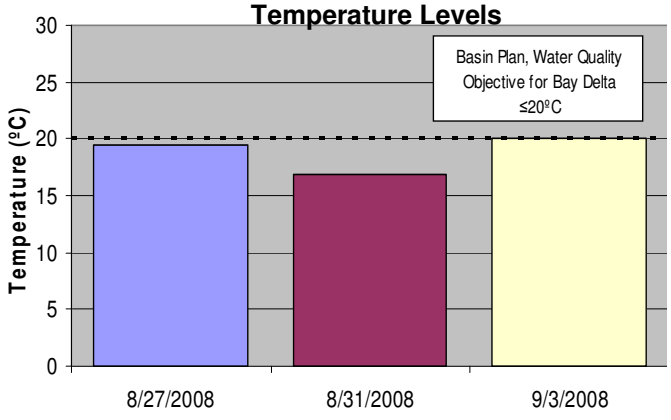
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Mokelumne River, Middle Fork, at Hwy 26 Bridge
SWAMP Site ID: 533CAL009
Watershed: Mokelumne River Watershed
County: Calaveras
Longitude: -120.526633
Latitude: 38.389433

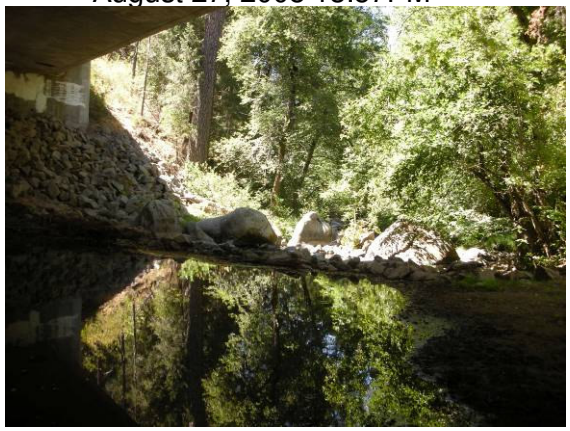
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	88.2	148.3	124.6
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	77.6	72.4	71.74
pH	6.5-8.5 (Basin Plan Objective)	8.68	6.77	6.91
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.2	17.3	19.8

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Mokelumne River, Middle Fork, at Hwy 26 Bridge (533CAL009)

August 27, 2008 13:57PM



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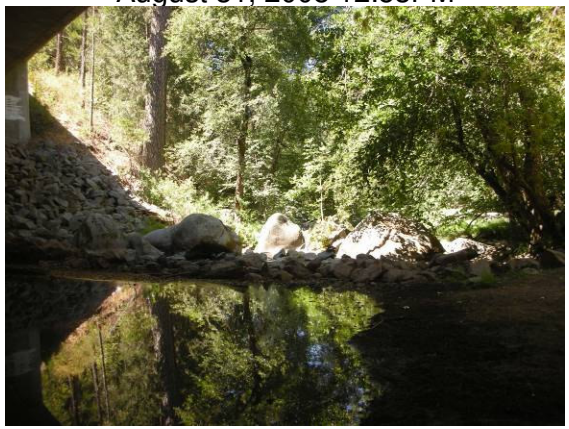

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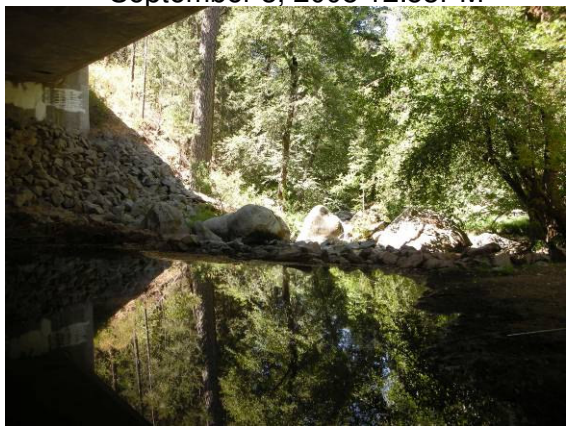
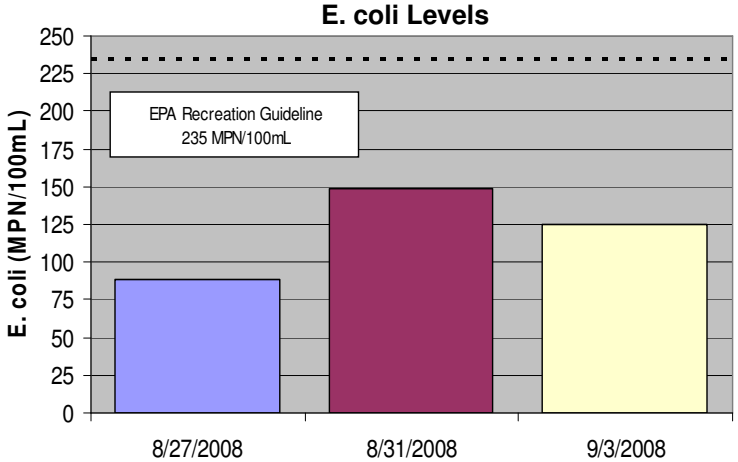
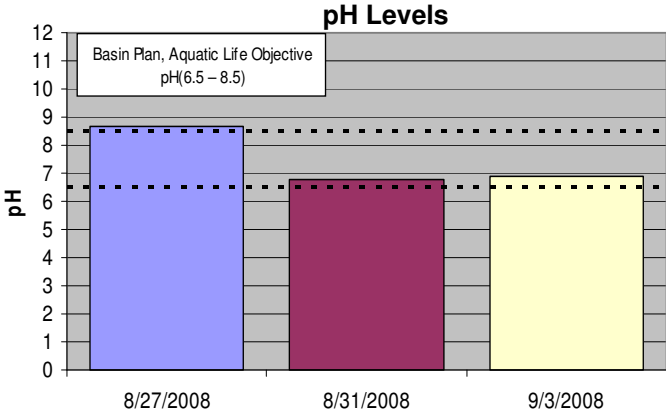


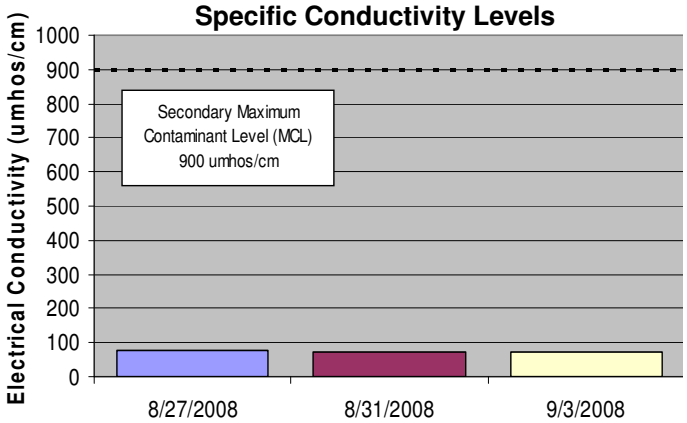
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

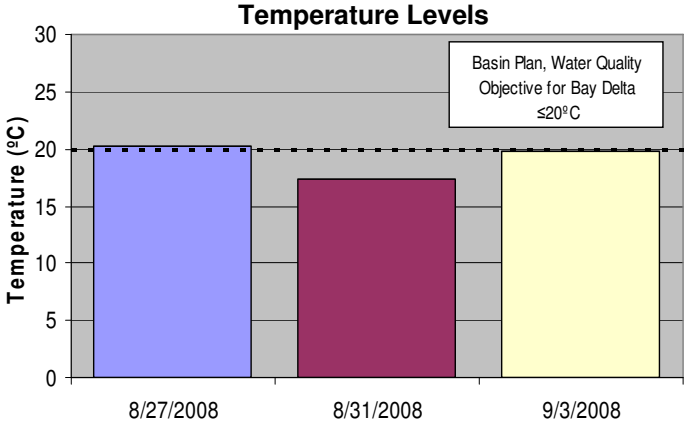


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

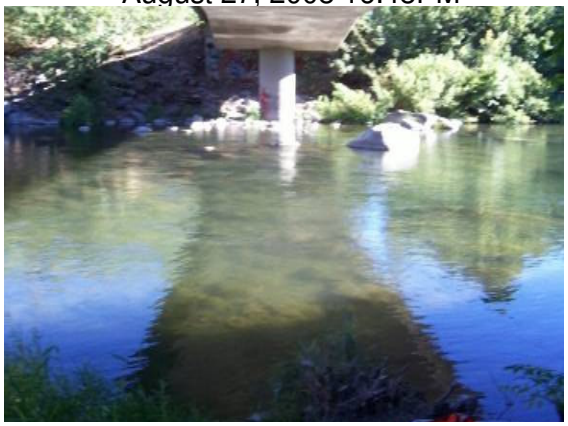
Description of Sample Site: Pit River at Big Bend
SWAMP Site ID: 506SHA950
Watershed: Pit River Watershed
County: Shasta
Longitude: -121.910320
Latitude: 41.020710

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	18.7	10.9	6.2
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	149.0	n/a	142.3
pH	6.5-8.5 (Basin Plan Objective)	7.3	n/a	8.3
Temperature (° Celsius)	≤21.1 ºC (Basin Plan, Water Quality Objective for upper Sacramento River)	21.1	n/a	17.4

•NOTES:

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
Pit River at Big Bend (506SHA950)

August 27, 2008 16:48PM

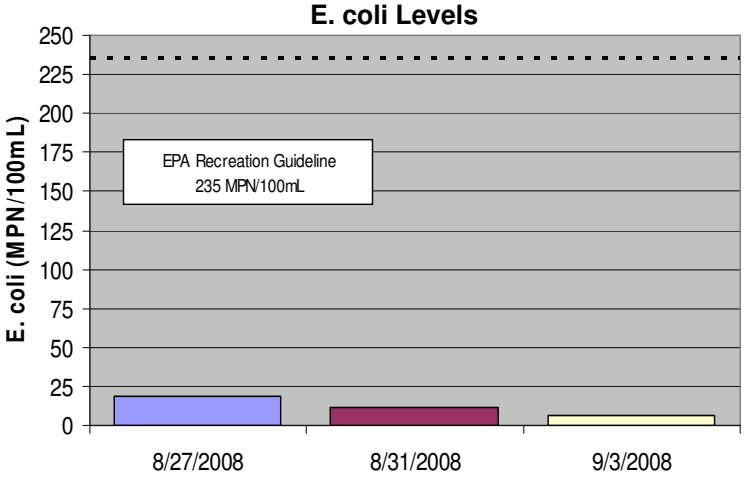


August 31, 2008 17:38PM

September 3, 2008 15:03PM

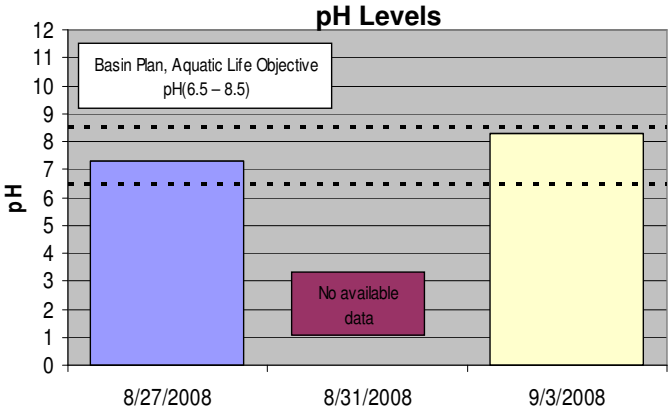
No image available

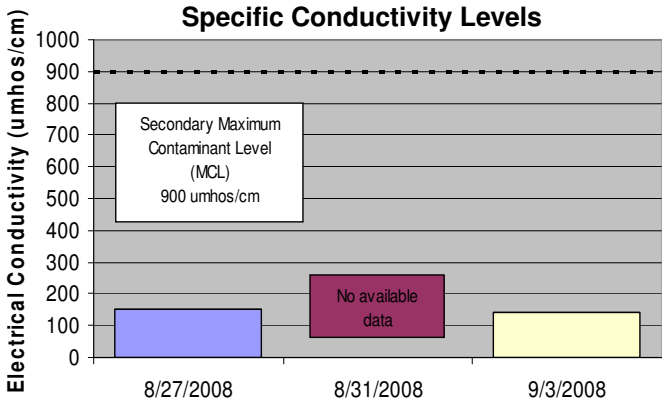
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

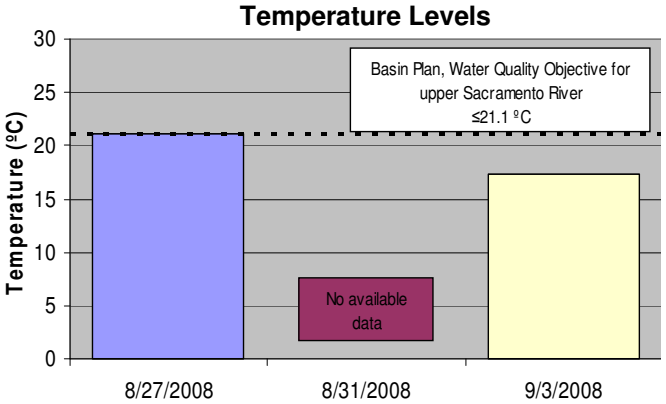


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Sacramento River, Lower, at Woodson Bridge Boat Ramp
SWAMP Site ID: 508SHA901
Watershed: Sacramento River Watershed
County: Shasta
Longitude: -122.087760
Latitude: 39.905405

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	7.5	63.3	4.1
Specific Conductivity (umhos/cm)	235 umhos/cm (Basin Plan, Water Quality Objective for Sacramento River @ Knight's Landing)	n/a	127.5	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	7.95	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	18.5	n/a

•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Sacramento River, Lower, at Woodson Bridge Boat Ramp (508SHA901)

August 27, 2008 11:22AM

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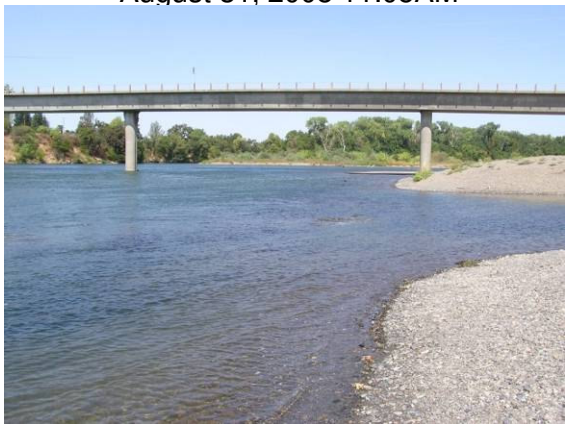
August 31, 2008 11:05AM

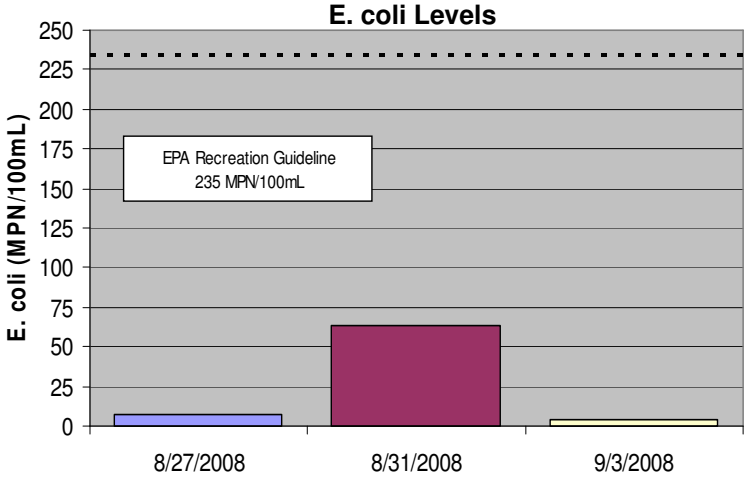


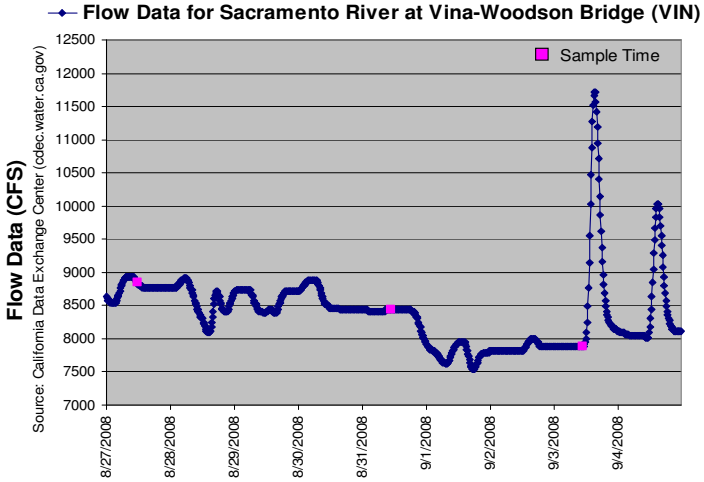
September 3, 2008 11:07AM

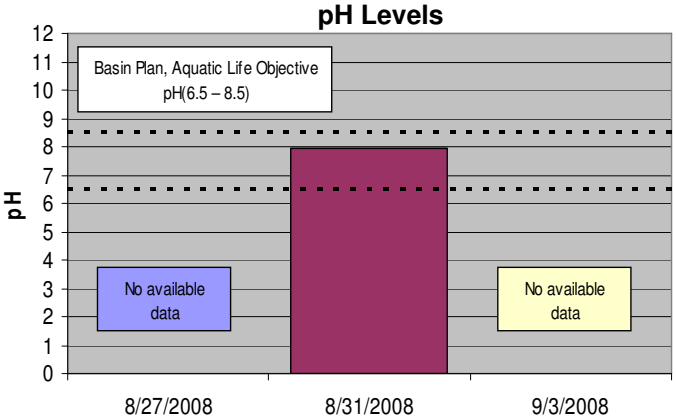
No image available

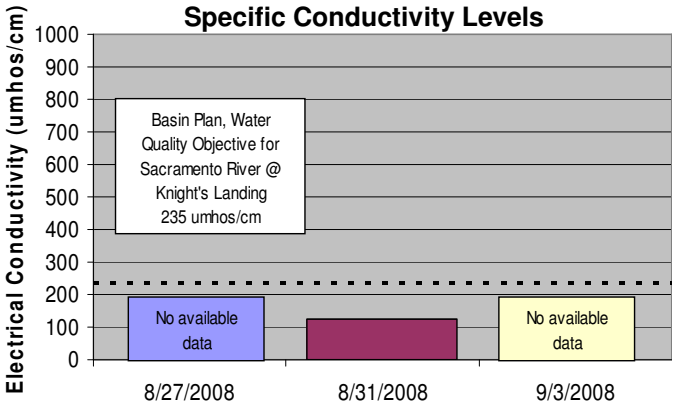
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

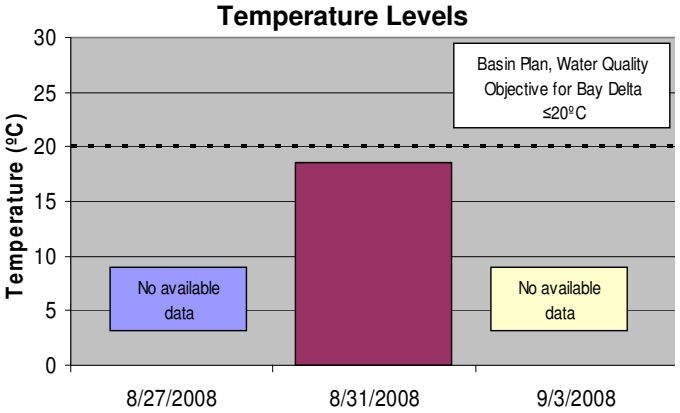
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Sacramento River at Red Bluff, east end of Willow Street
SWAMP Site ID: 504TEH900
Watershed: Sacramento River Watershed
County: Tehama
Longitude: -122.224550
Latitude: 40.171770

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	No sample collected	26.6	21.1
Specific Conductivity (umhos/cm)	≤235 umhos/cm (Basin Plan, Water Quality Objective for Sacramento River @ Knight's Landing)	n/a	121.5	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	7.50	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	18.4	n/a

•NOTES:

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Sacramento River at Red Bluff, east end of Willow Street (504TEH900)

No sample collected

No image available

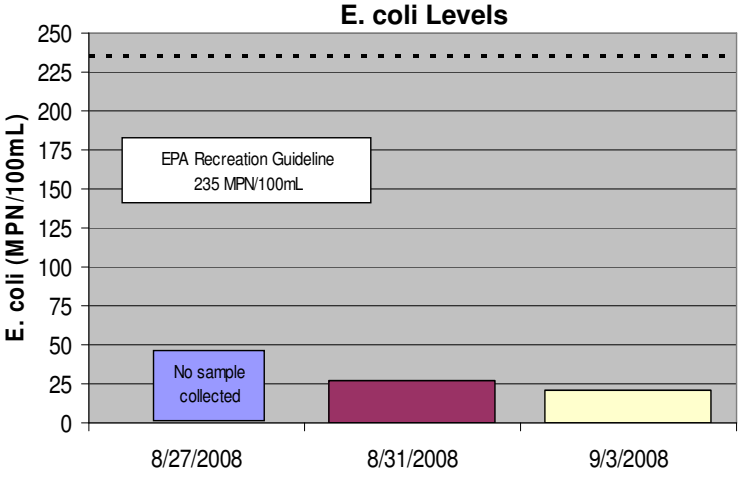
August 31, 2008 10:13AM

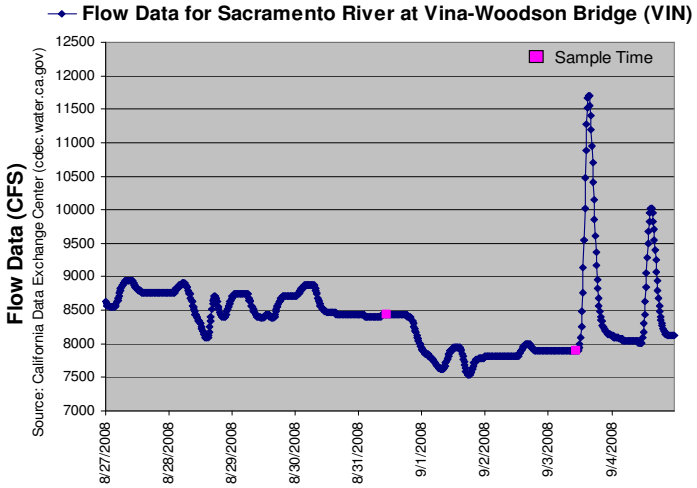
September 3, 2008 10:34AM

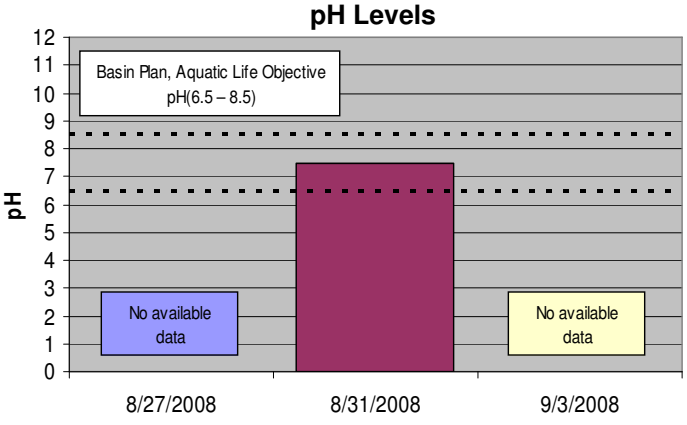
No image available

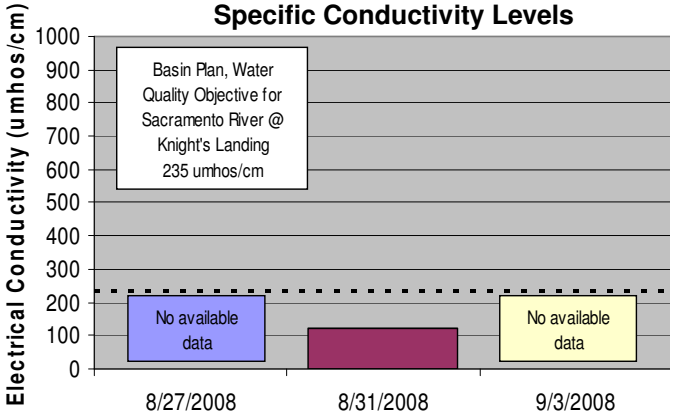
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

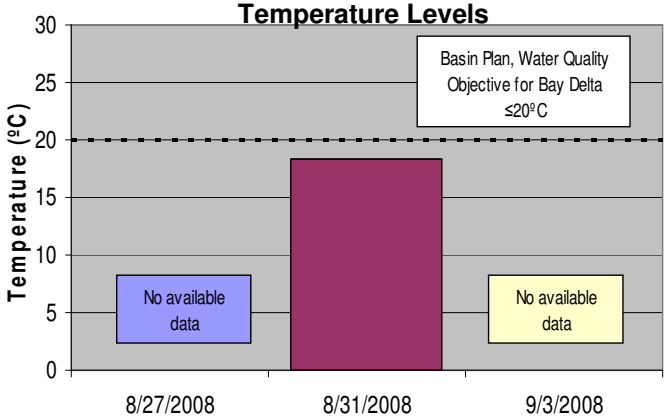
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Sacramento River, Upper, at Dog Creek Confluence
SWAMP Site ID: 506SHA951
Watershed: Sacramento River Watershed
County: Shasta
Longitude: -122.417654
Latitude: 40.938232

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	4.1	2
Specific Conductivity (umhos/cm)	≤235 umhos/cm (Basin Plan, Water Quality Objective for Sacramento River @ Knight's Landing)	n/a	150	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	7.58	n/a
Temperature (° Celsius)	≤21.1 ºC (Basin Plan, Water Quality Objective for upper Sacramento River)	n/a	15.3	n/a

•NOTES:

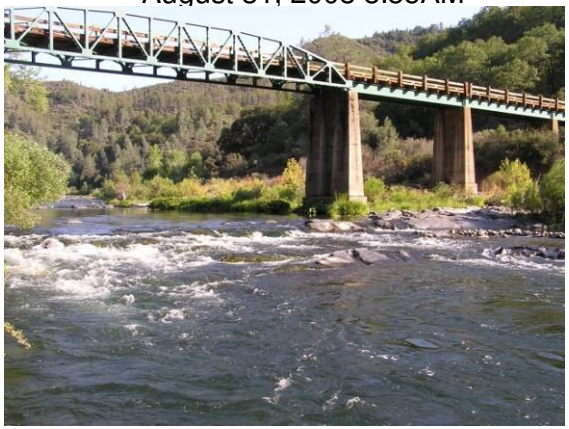
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Sacramento River, Upper, at Dog Creek Confluence (506SHA951)

August 27, 2008 9:07AM

No image available

August 31, 2008 8:55AM



September 3, 2008 9:15AM

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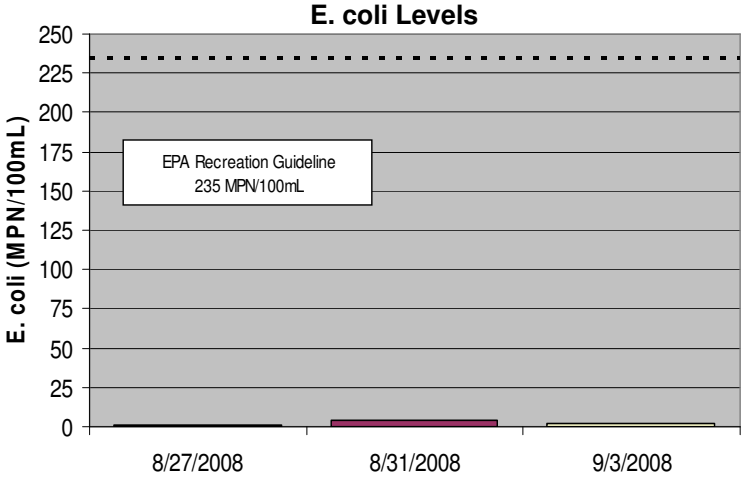
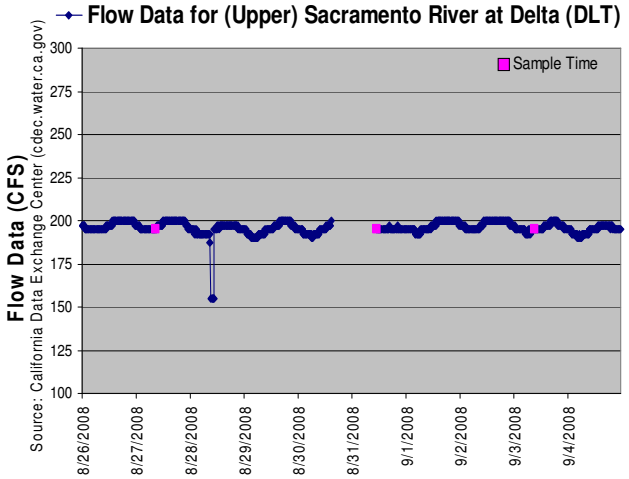
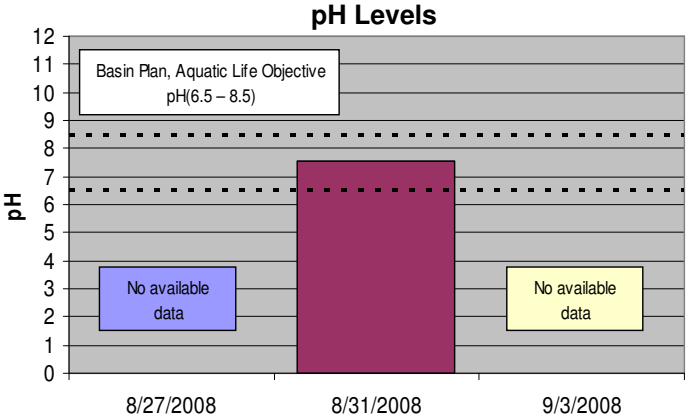
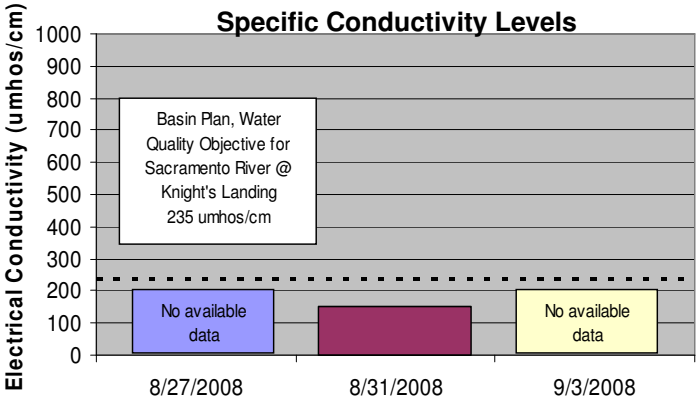
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

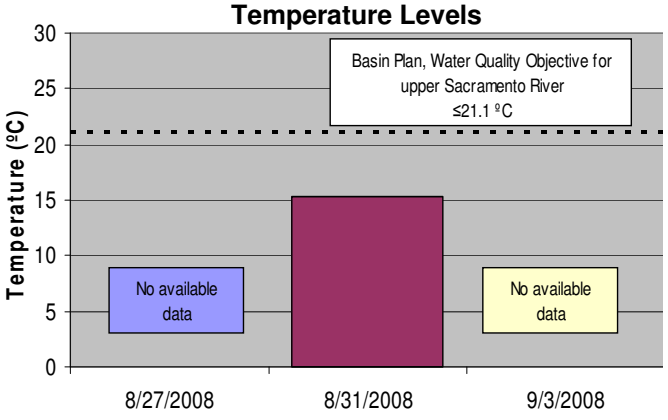
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: San Joaquin River at Lost Lake County Park
SWAMP Site ID: 545FRE502
Watershed: San Joaquin River Watershed
County: Fresno
Longitude: -119.737250
Latitude: 36.973810

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	14.2	8.5	13.4
Specific Conductivity (umhos/cm)	≤150 umhos/cm (Basin Plan, Water Quality Objective for San Joaquin River, from Friant Dam to Gravelly Ford)	56.0	76.6	100.9
pH	6.5-8.5 (Basin Plan Objective)	7.09	6.07	5.60
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	12	11.5	11

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The RiverTree Volunteers assisted with field collection at this site.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

San Joaquin River at Lost Lake County Park (545FRE502)

August 27, 2008 11:55AM

No photo available

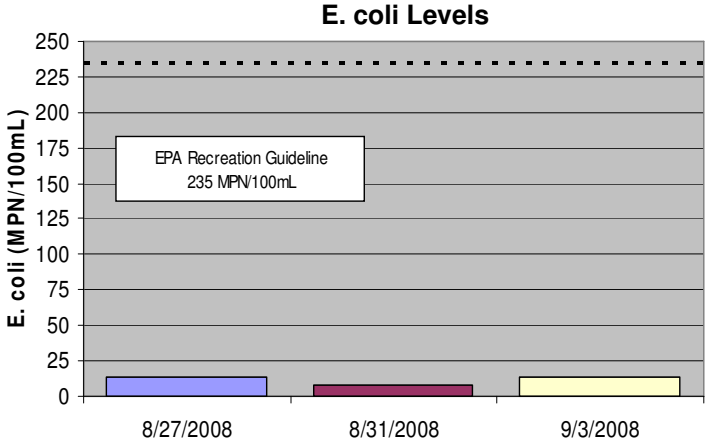
August 31, 2008 11:35AM

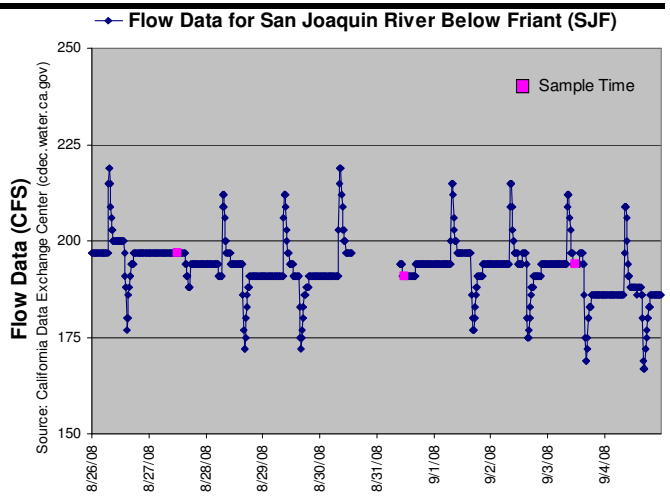
September 3, 2008 11:24AM

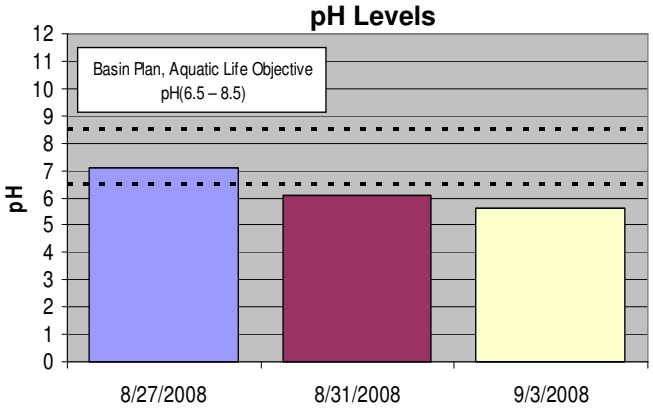
No photo available

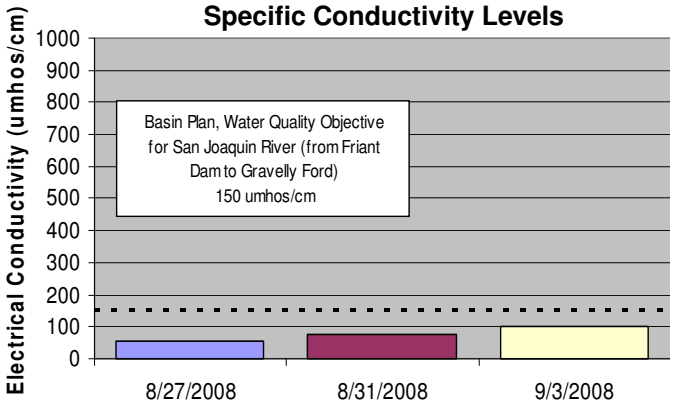
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

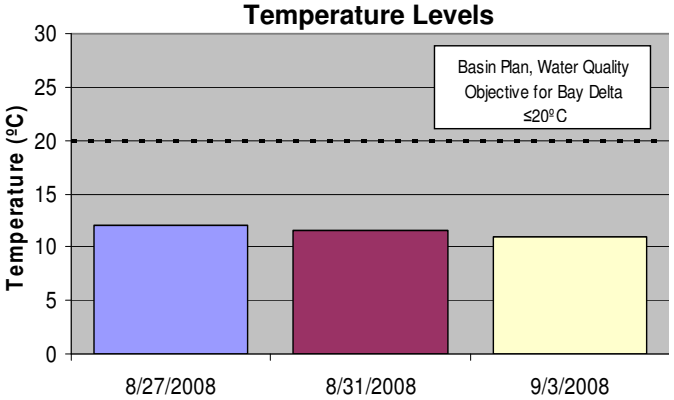
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











The RiverTree Volunteers assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: San Joaquin River at Fort Washington Beach
SWAMP Site ID: 545FRE503
Watershed: San Joaquin River Watershed
County: Fresno
Longitude: -119.787510
Latitude: 36.888490

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	6.2	7.4	9.7
Specific Conductivity (umhos/cm)	≤150 umhos/cm (Basin Plan, Water Quality Objective for San Joaquin River, from Friant Dam to Gravelly Ford)	57.1	57.9	58.0
pH	6.5-8.5 (Basin Plan Objective)	6.87	6.54	6.27
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	19	19	17

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The RiverTree Volunteers assisted with field collection at this site.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

San Joaquin River at Fort Washington Beach (545FRE503)

August 27, 2008 12:30 PM

No photo available

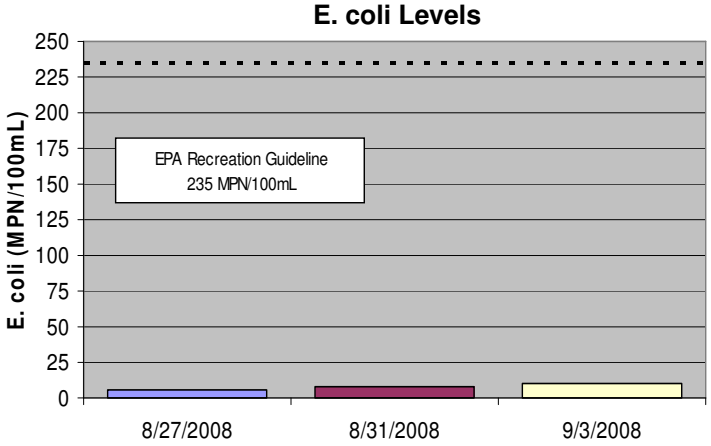
August 31, 2008 12:04PM

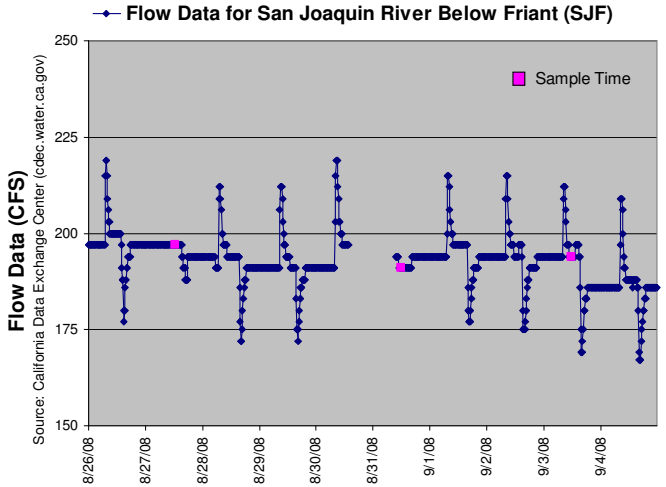
September 3, 2008 11:24AM

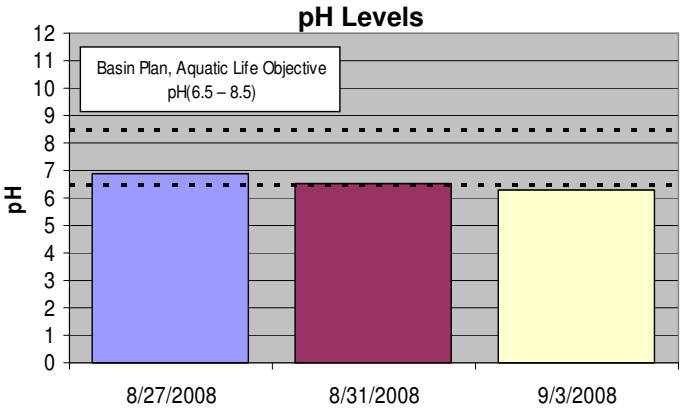
No photo available

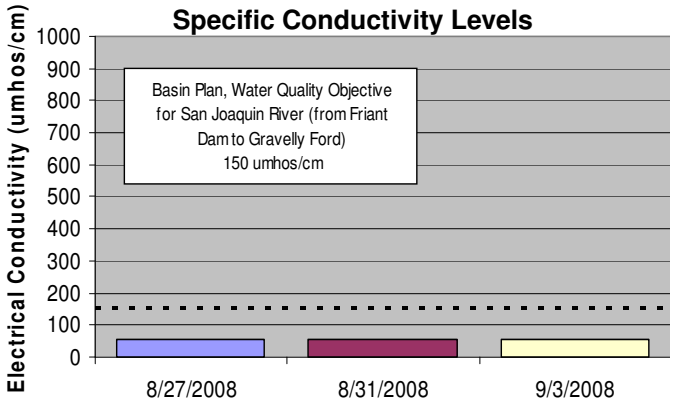
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

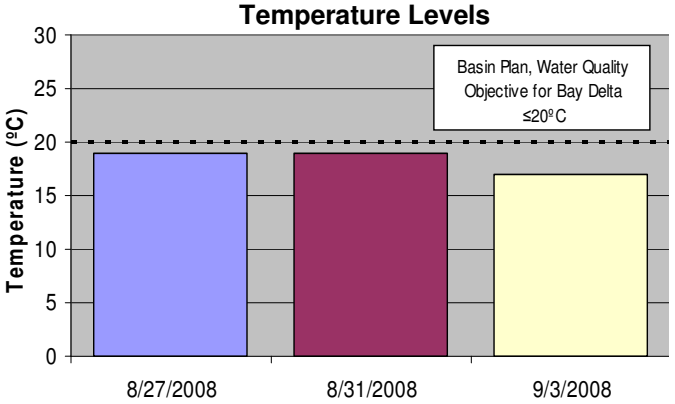
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











The RiverTree Volunteers assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: San Joaquin River at Friant Cove
SWAMP Site ID: 545FRE504
Watershed: San Joaquin River Watershed
County: Fresno
Longitude: -119.713610
Latitude: 36.991090

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	2	2	1
Specific Conductivity (umhos/cm)	≤150 umhos/cm (Basin Plan, Water Quality Objective for San Joaquin River, from Friant Dam to Gravelly Ford)	54.0	54.7	54.4
pH	6.5-8.5 (Basin Plan Objective)	6.78	6.57	6.37
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	12	11	11

NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
Shaded table cells contain values that do not meet the water quality guidelines.
The RiverTree Volunteers assisted with field collection at this site.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

San Joaquin River at Friant Cove(545FRE504)

August 27, 2008 11:25AM

No photo available

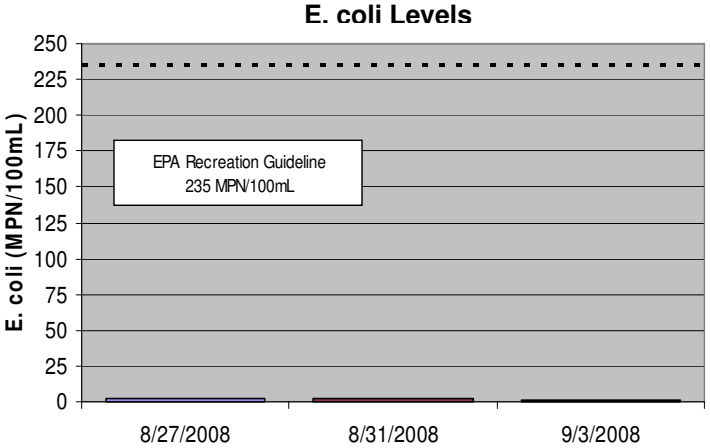
August 31, 2008 11:06AM

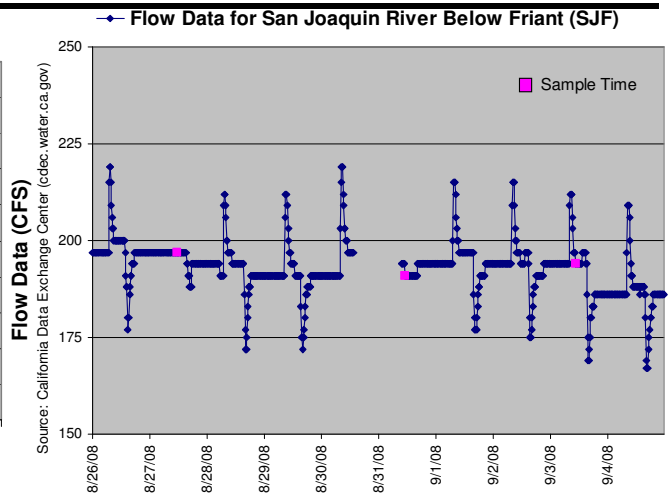
September 3, 2008 11:04AM

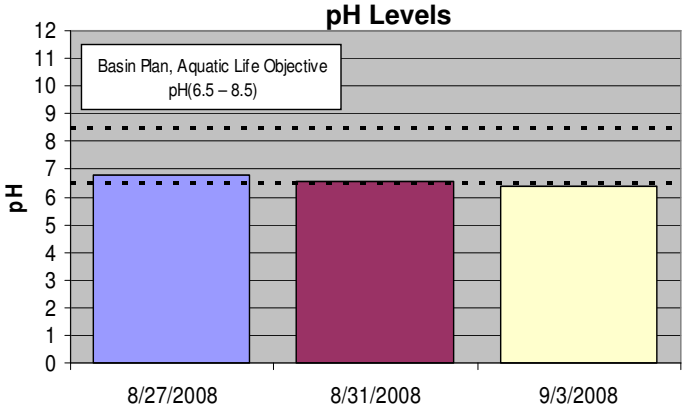
No photo available

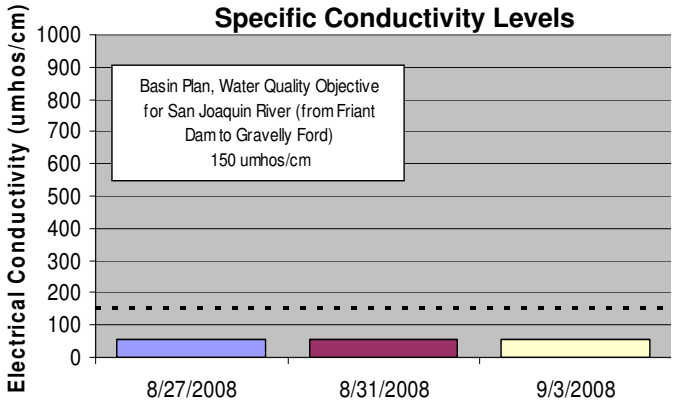
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

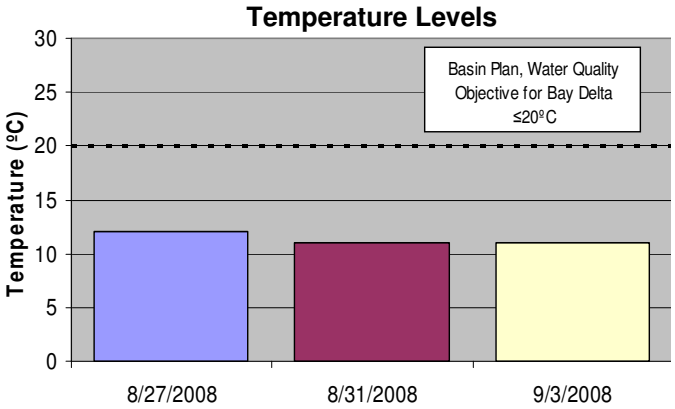
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











The RiverTree Volunteers assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: San Joaquin River at Wildwood Native Park
SWAMP Site ID: 545MAD008
Watershed: San Joaquin River Watershed
County: Madera
Longitude: -119.793580
Latitude: 36.876050

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	4.1	4.1	8.5
Specific Conductivity (umhos/cm)	≤150 umhos/cm (Basin Plan, Water Quality Objective for San Joaquin River, from Friant Dam to Gravelly Ford)	54.6	54.7	53.9
pH	6.5-8.5 (Basin Plan Objective)	7.10	6.56	6.43
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	21	20	19

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The RiverTree Volunteers assisted with field collection at this site.

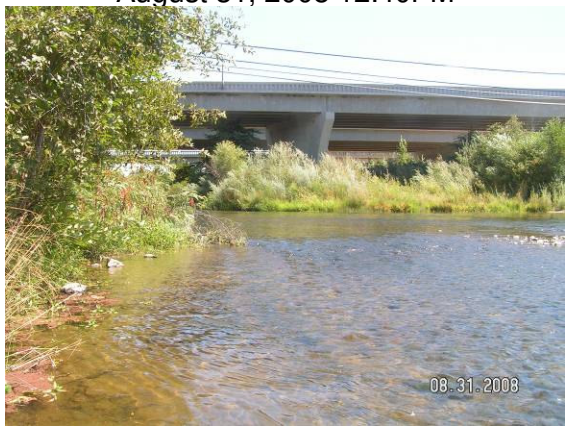
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

San Joaquin River at Wildwood Native Park(545MAD008)

August 27, 2008 13:05PM

No photo available

August 31, 2008 12:40PM

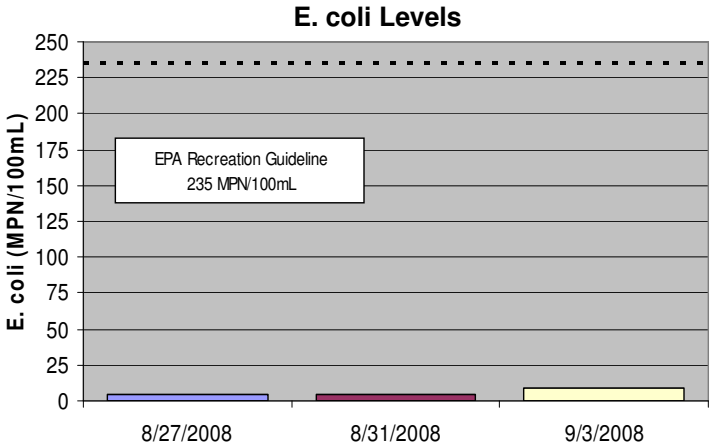


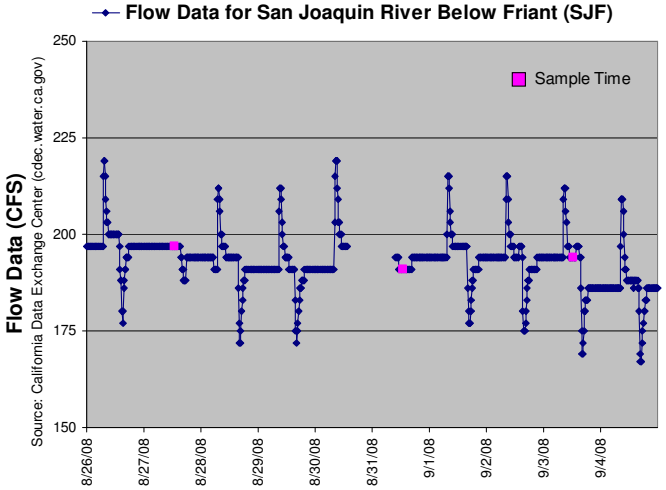
September 3, 2008 12:15PM

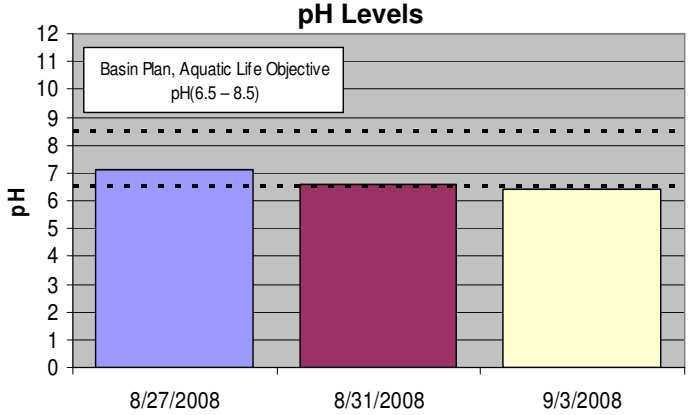
No photo available

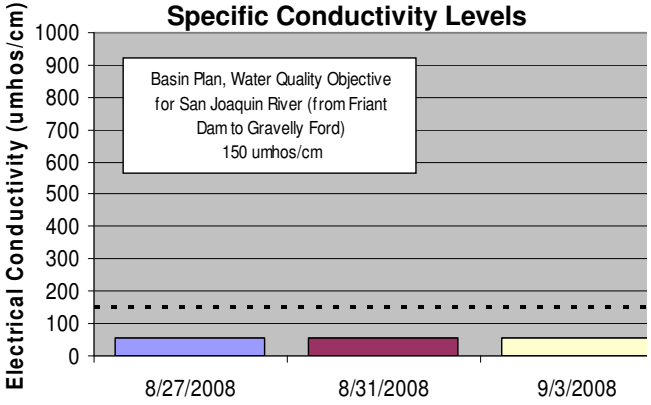
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

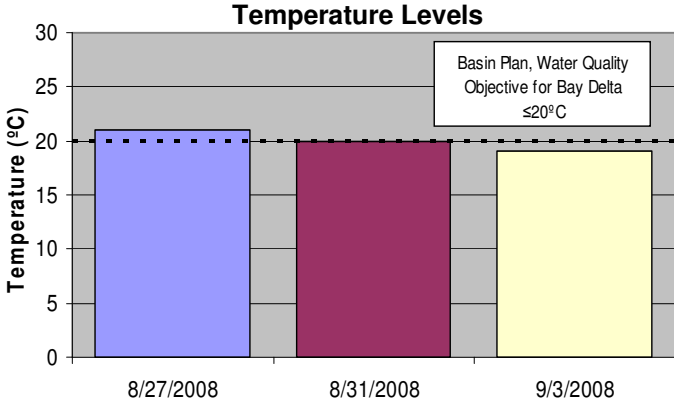
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











The RiverTree Volunteers assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Spanish Creek at USFS campground off of Hwy 70
SWAMP Site ID: 518PLU900
Watershed: Spanish Creek Watershed
County: Plumas
Longitude: -120.961110
Latitude: 40.007420

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	20.1	18.9	10.9
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	208.4	n/a	198.2
pH	6.5-8.5 (Basin Plan Objective)	7.14	n/a	7.67
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.7	n/a	14.5

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

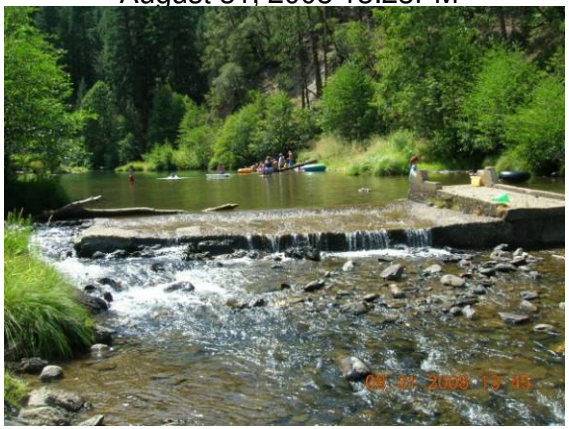
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Spanish Creek at USFS campground off of Hwy 70 (518PLU900)

August 27, 2008 12:06PM

No image available

August 31, 2008 13:23PM



September 3, 2008 10:41AM

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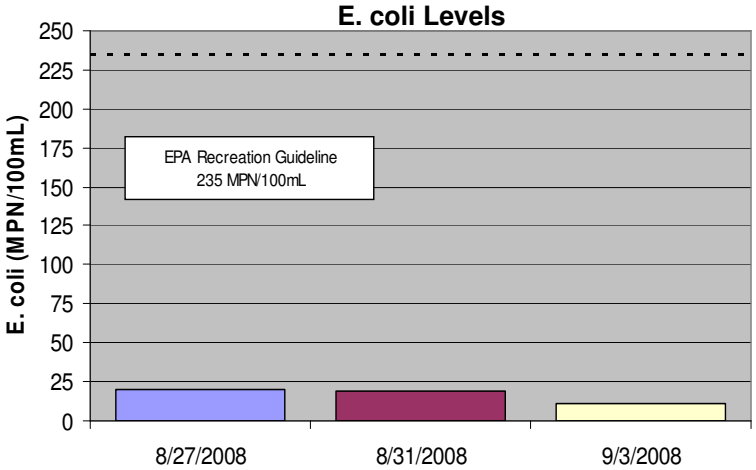
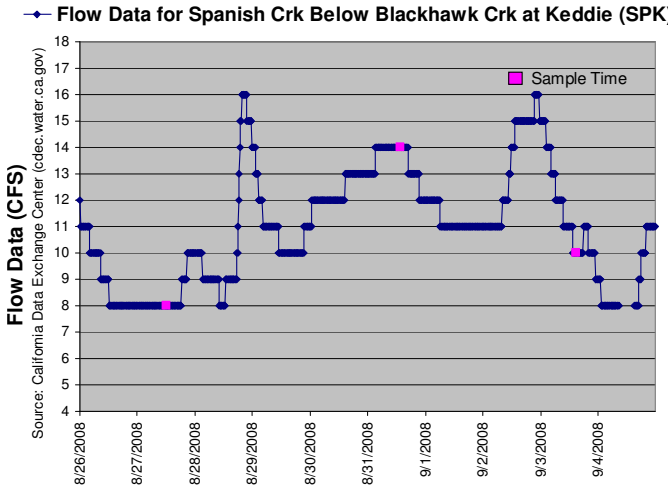
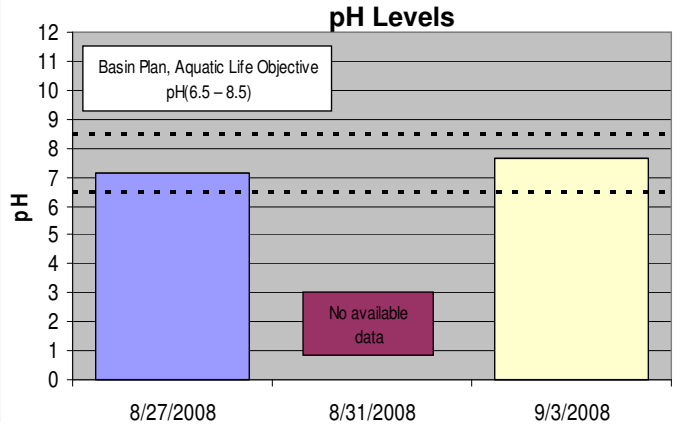
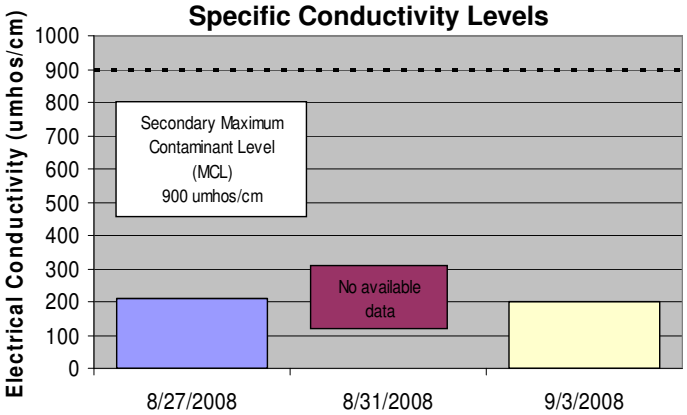
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

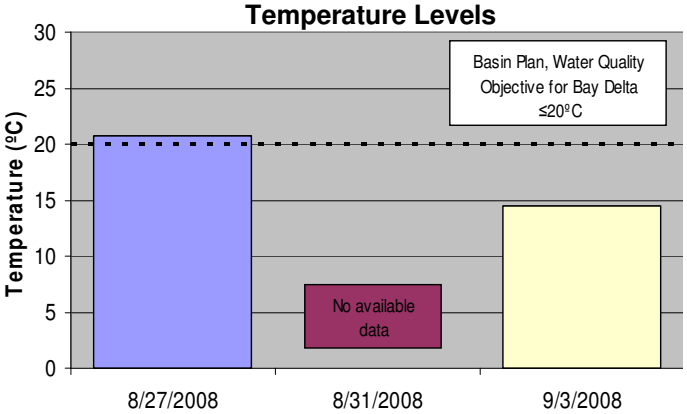
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Stanislaus River at Knight's Ferry
SWAMP Site ID: 535STC201
Watershed: Stanislaus River Watershed
County: Stanislaus
Longitude: -120.659722
Latitude: 37.822222

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	56.5	9.7	13.5
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	59	53	58
pH	6.5-8.5 (Basin Plan Objective)	7.79	8.01	8.26
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	14.03	14.23	14.15

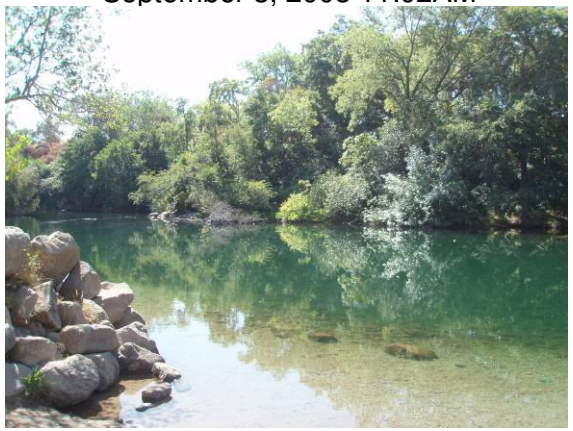
•NOTES:

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
Stanislaus River @ Knight's Ferry (535STC201)

August 27, 2008 11:00AM

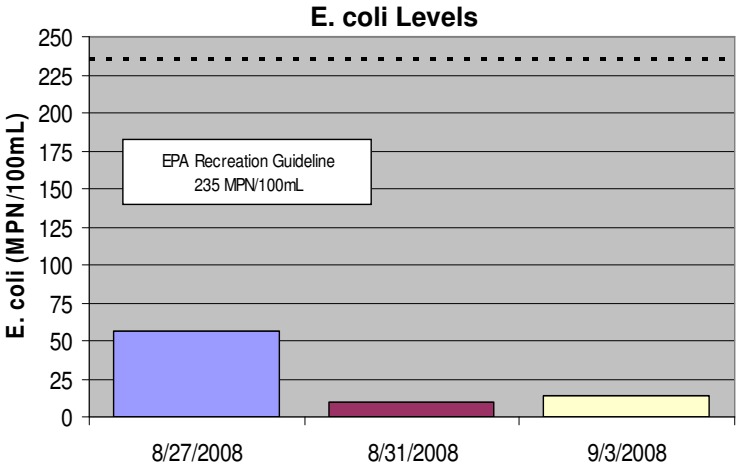
August 31, 2008 11:10AM

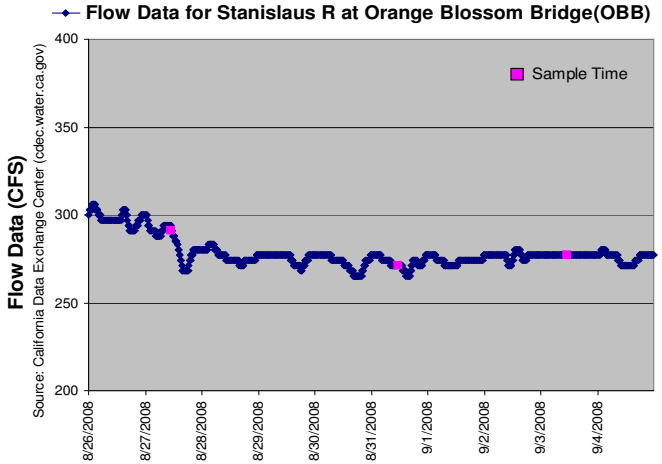
September 3, 2008 11:02AM

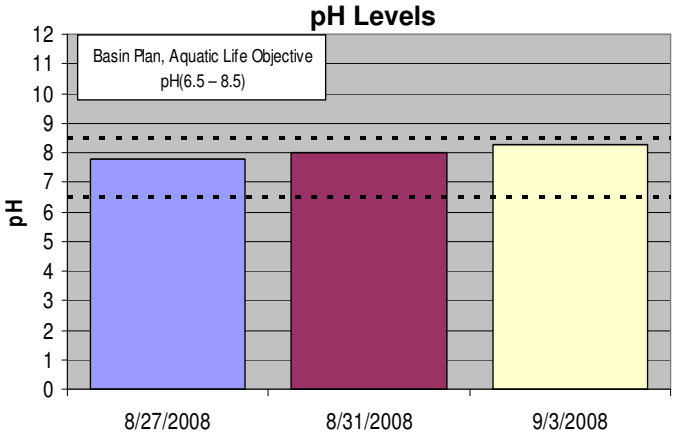


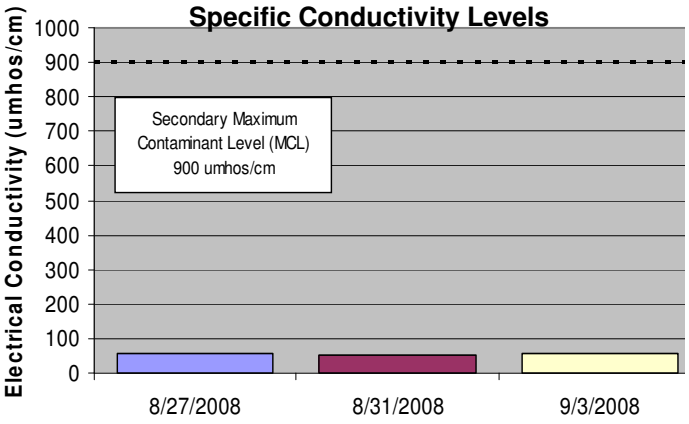
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

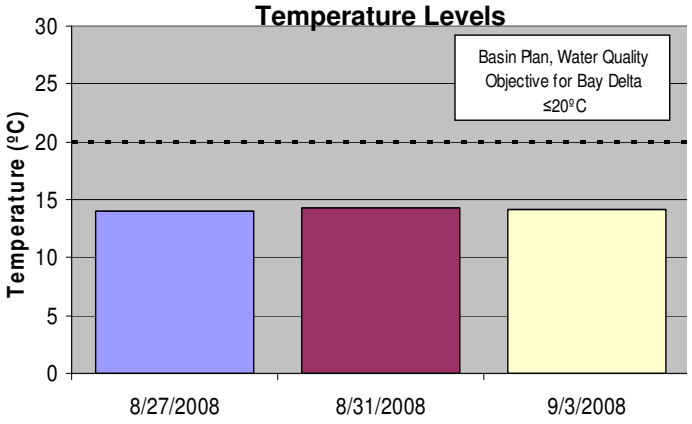
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Tuolumne River, South Fork, at Rainbow Pools
SWAMP Site ID: 536TUO900
Watershed: Tuolumne River Watershed
County: Tuolumne
Longitude: -120.012983
Latitude: 37.821450

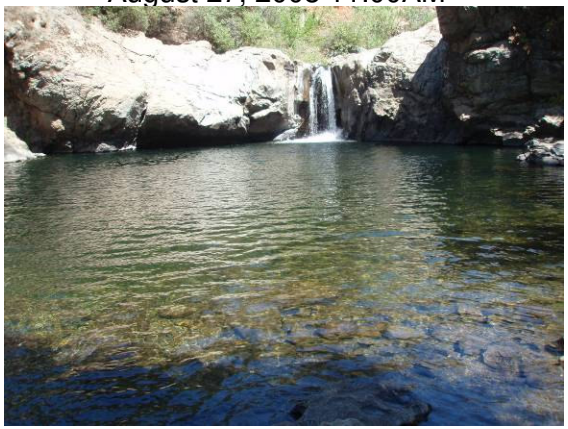
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	6.3	11	13.5
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	83	85	87
pH	6.5-8.5 (Basin Plan Objective)	8.01	7.73	7.53
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.59	19.13	16.44

•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Tuolumne River, South Fork, at Rainbow Pools (536TUO900)

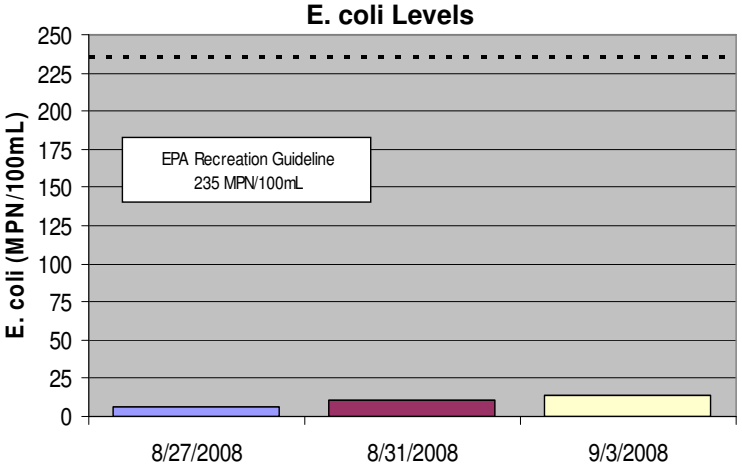
August 27, 2008 11:00AM



August 31, 2008 11:10AM

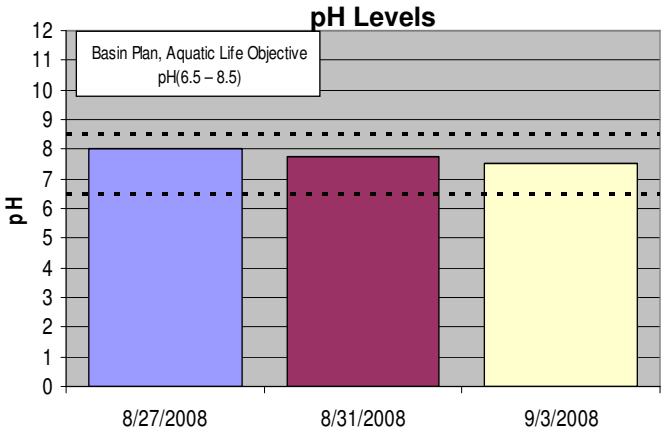
September 3, 2008 11:02AM

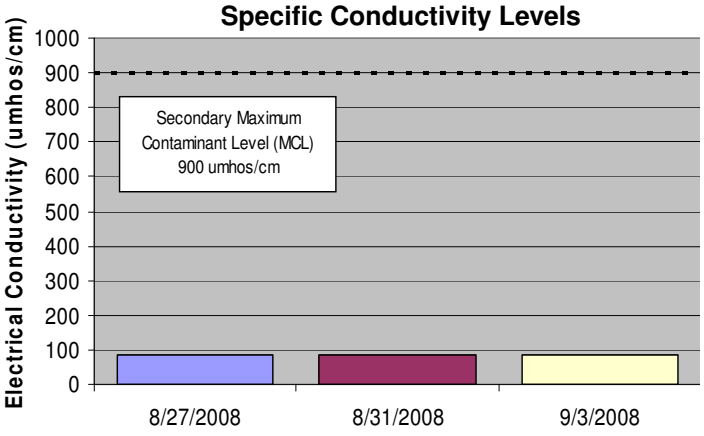
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

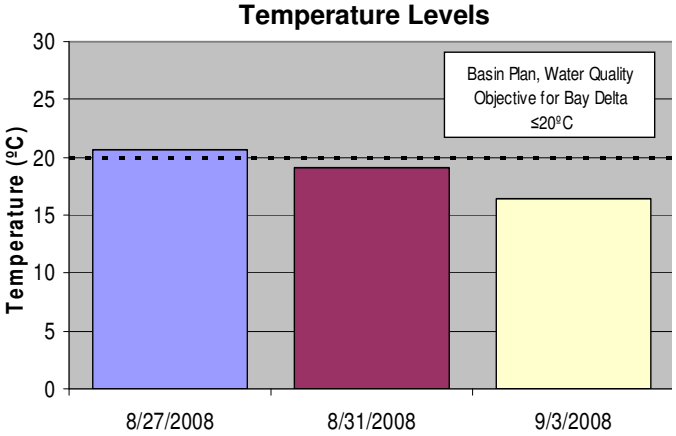


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: South Yuba River at Bridgeport
SWAMP Site ID: 516NEV900
Watershed: South Yuba River Watershed
County: Nevada
Longitude: -121.197775
Latitude: 39.292656

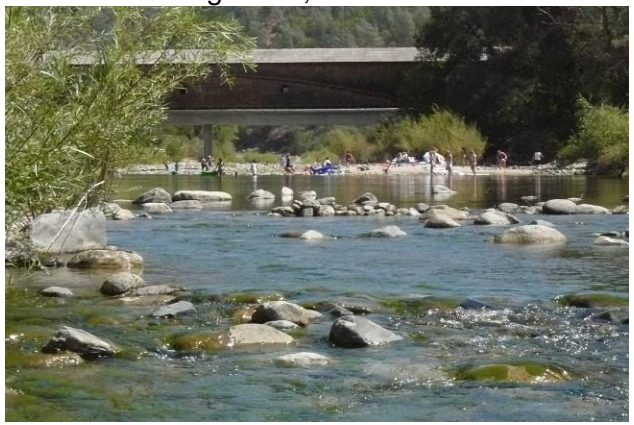
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	3	3.1	6.3
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	120	130	120
pH	6.5-8.5 (Basin Plan Objective)	7.3	7.6	7.5
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	25.0	23.7	20.7

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
South Yuba River at Bridgeport (516NEV900)

August 27, 2008 12:45PM

August 31, 2008 13:15PM



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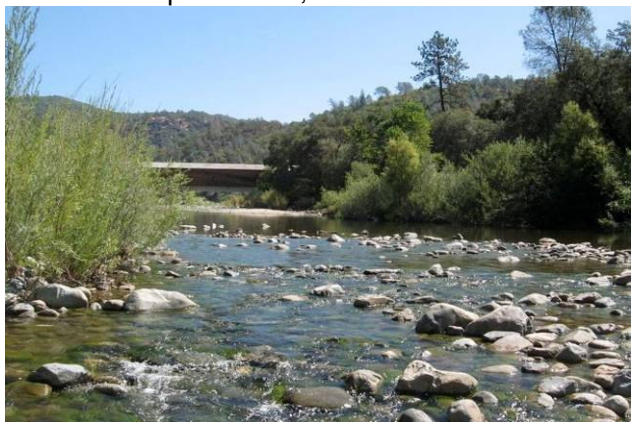
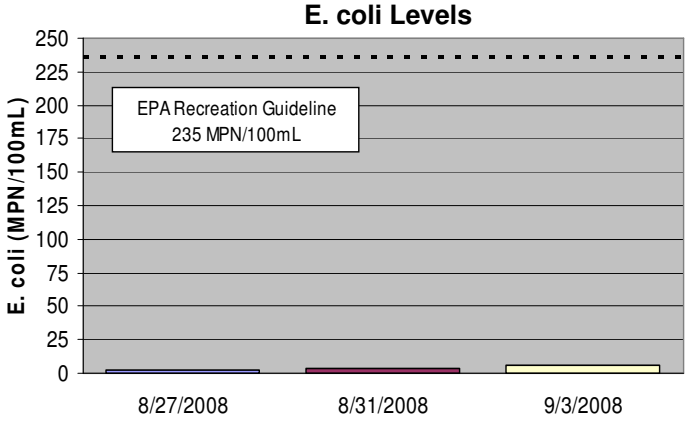
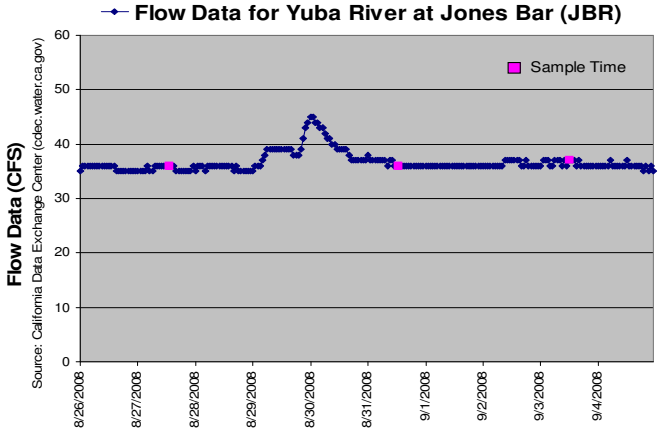
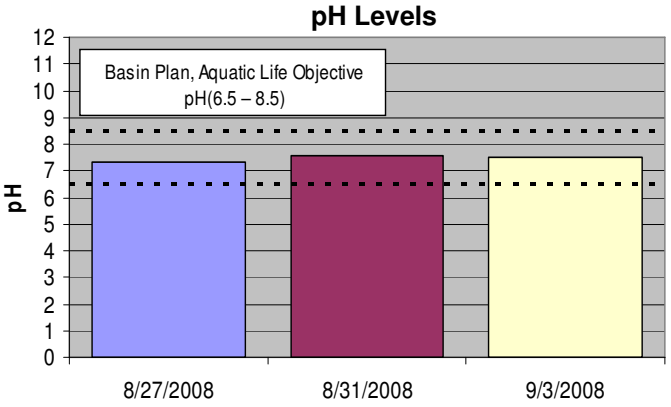


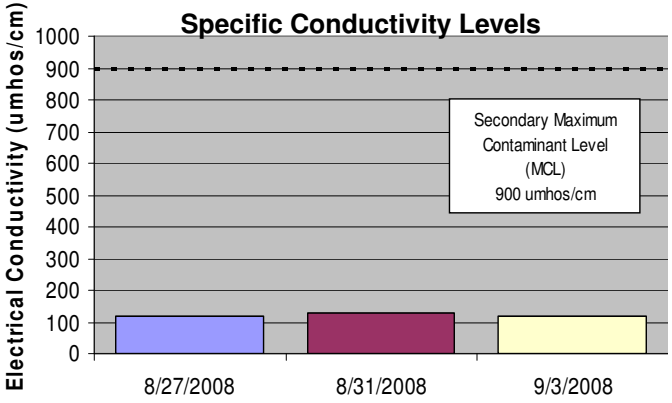
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

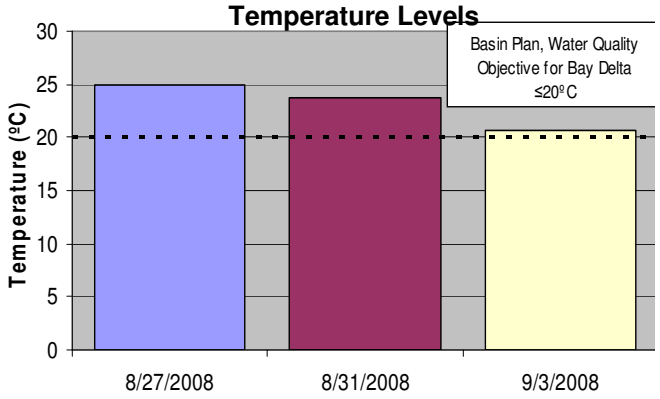
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: South Yuba River at Purdon Crossing
SWAMP Site ID: 516NEV901
Watershed: South Yuba River Watershed
County: Nevada
Longitude: -121.047305
Latitude: 39.327706

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	<1.0	2	290.9
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	110	110	100
pH	6.5-8.5 (Basin Plan Objective)	6.9	6.9	7.0
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	23.8	22.1	20.6

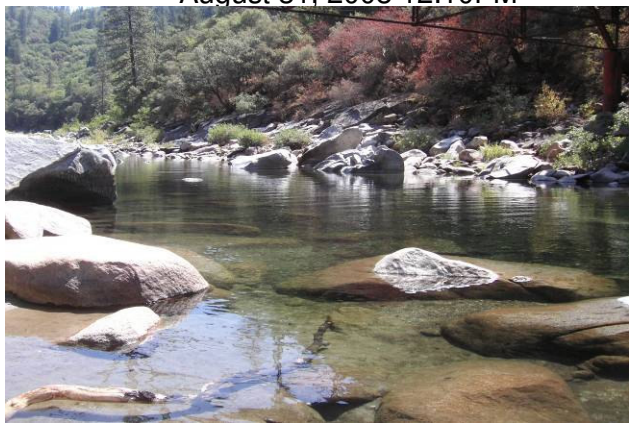
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

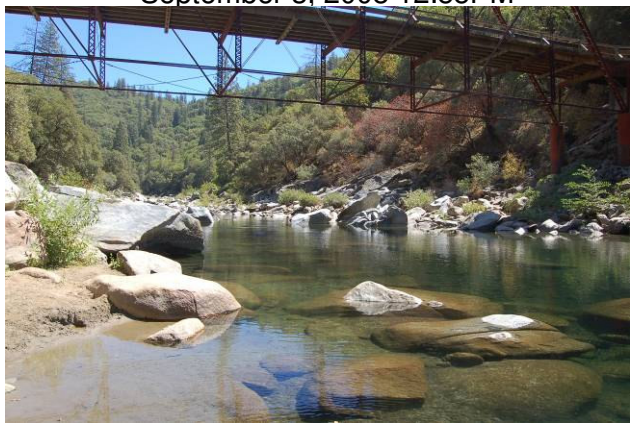
South Yuba River at Purdon Crossing (516NEV901)

August 27, 2008 13:10PM

August 31, 2008 12:10PM

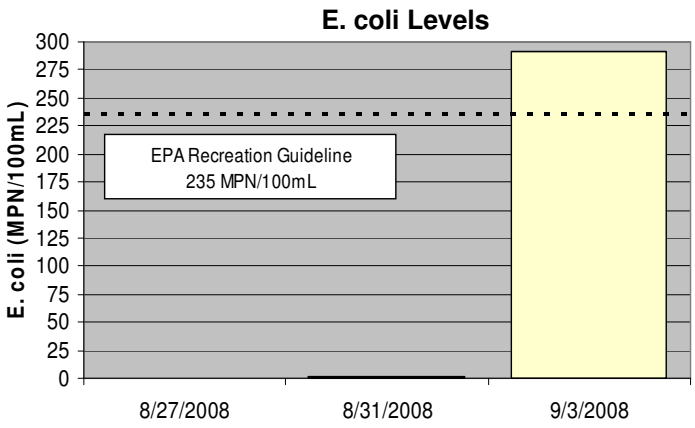


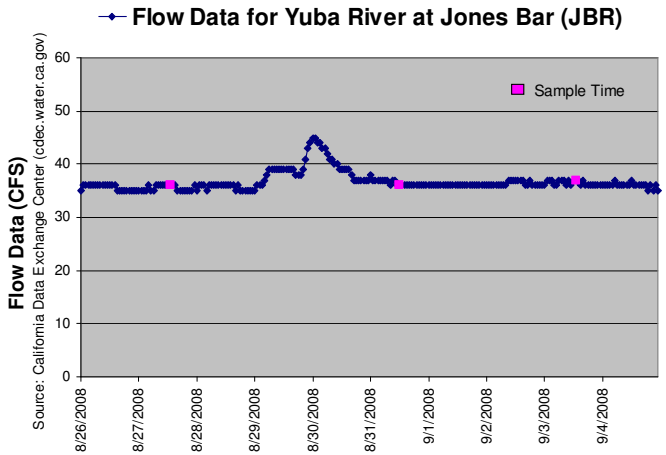
September 3, 2008 12:55PM

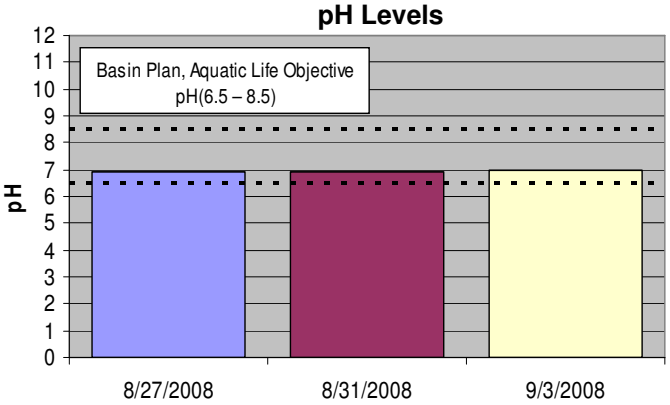


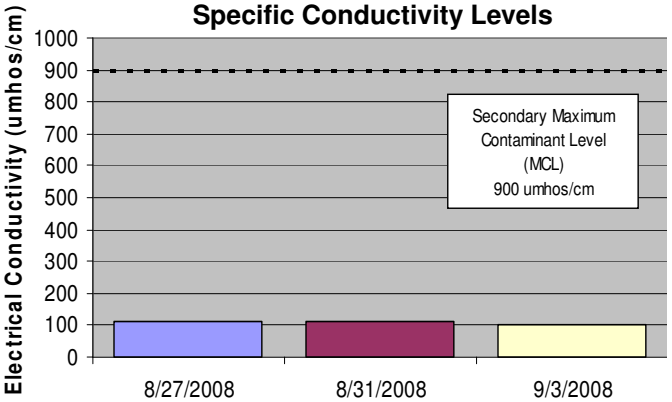
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

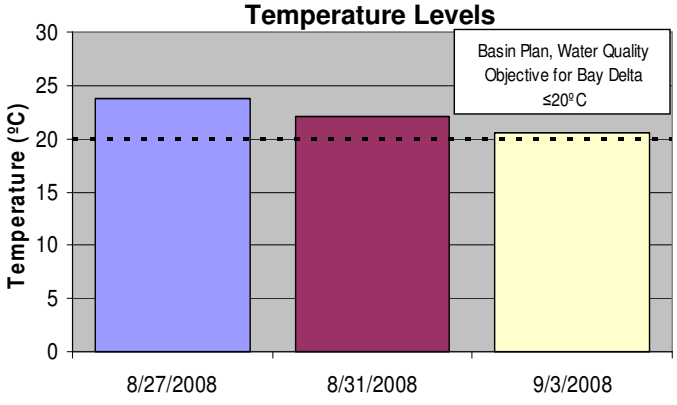
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: South Yuba River at Edwards Crossing
SWAMP Site ID: 516NEV902
Watershed: South Yuba River Watershed
County: Nevada
Longitude: -120.990447
Latitude: 39.332646

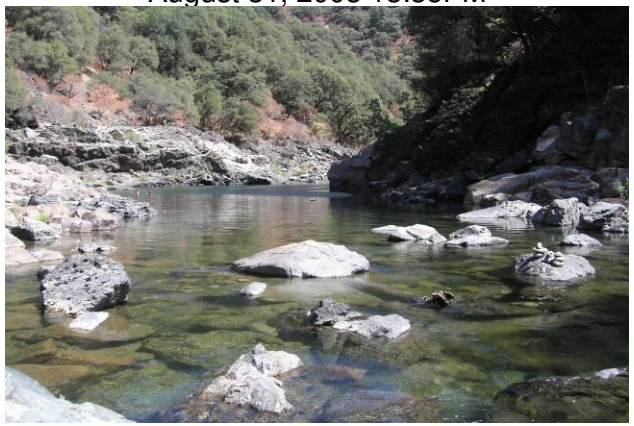
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	5.2	7.4	4.1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	110	110	n/a
pH	6.5-8.5 (Basin Plan Objective)	7.1	7.4	7.1
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	24.4	21.7	20.7

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
South Yuba River at Edwards Crossing (516NEV902)

August 27, 2008 14:20PM

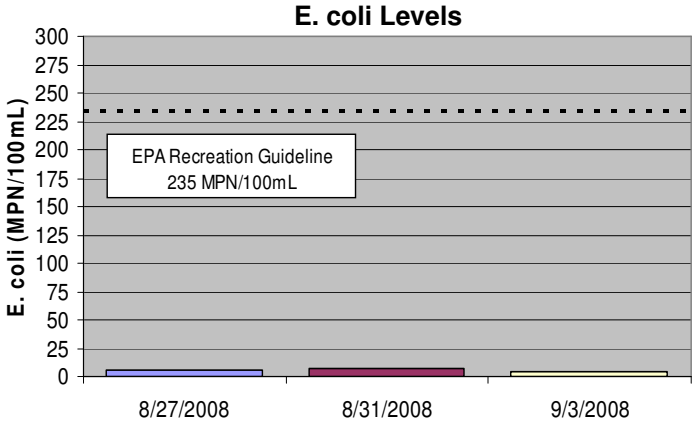
August 31, 2008 13:35PM

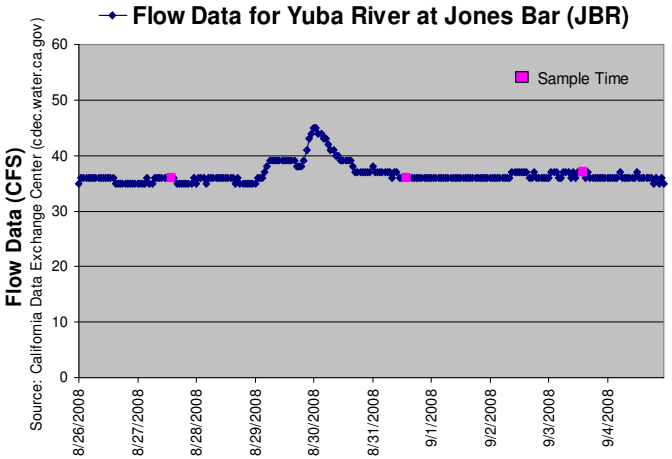


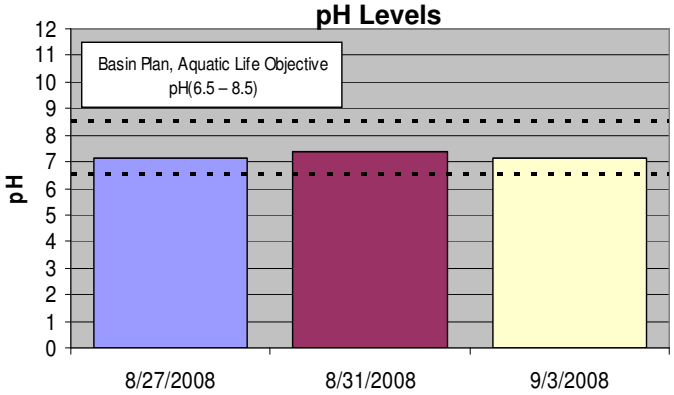
September 3, 2008 14:15PM

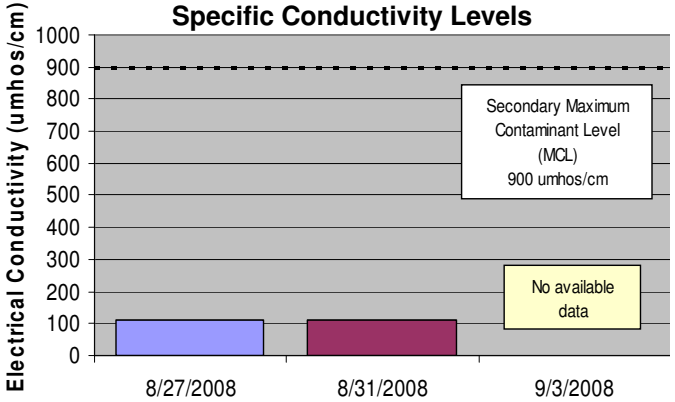
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

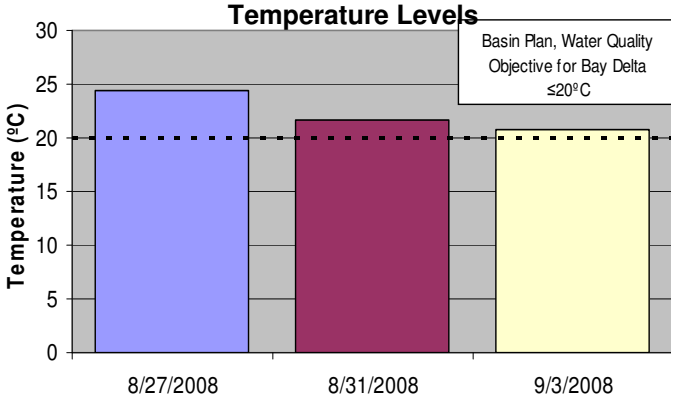
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: South Yuba River below Washington
SWAMP Site ID: 516NEV903
Watershed: South Yuba River Watershed
County: Nevada
Longitude: -120.808583
Latitude: 39.353458

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	3.1	7.4	3.1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	80	70	70
pH	6.5-8.5 (Basin Plan Objective)	6.9	7.1	7.0
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	22.7	21.1	20.2

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008
South Yuba River below Washington (516NEV903)

August 27, 2008 12:10PM

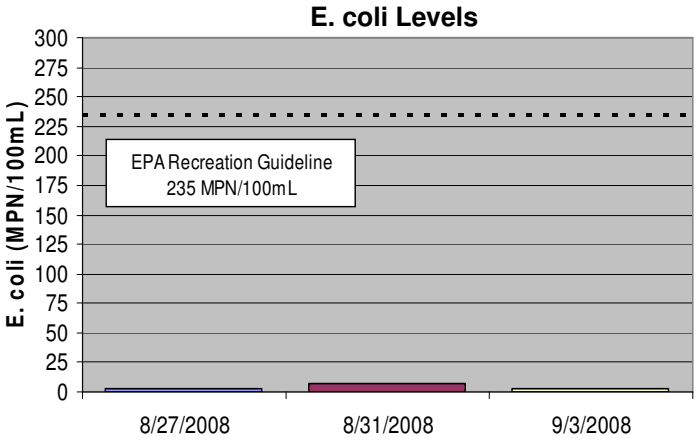
August 31, 2008 12:10PM

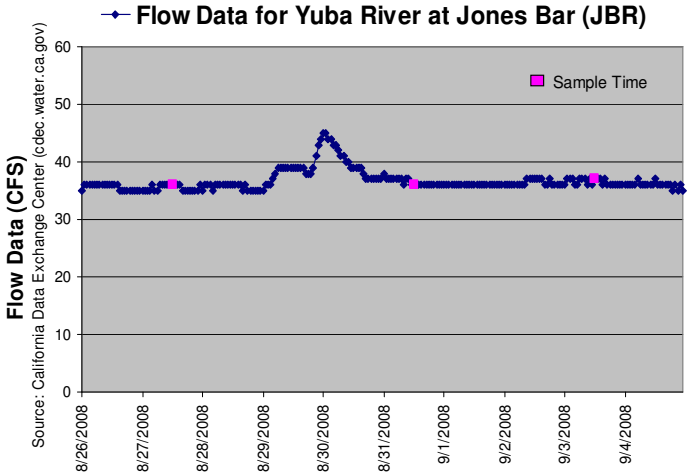
September 3, 2008 12:26PM

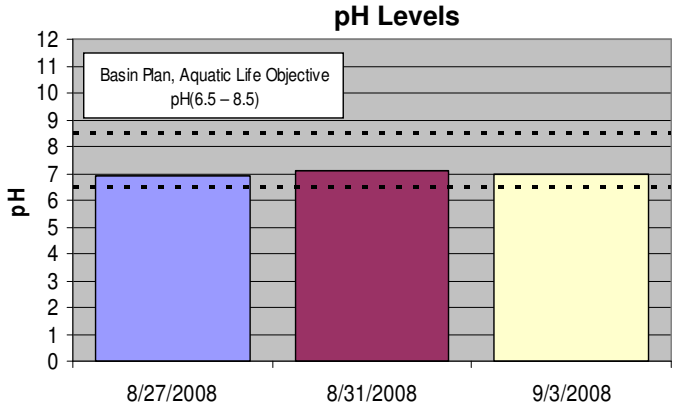
No photo available

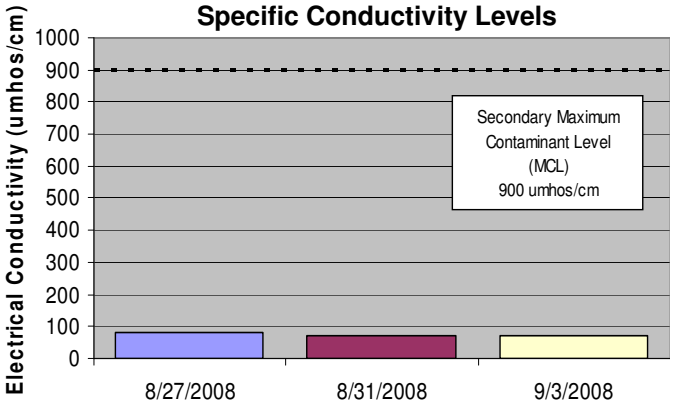
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP. Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

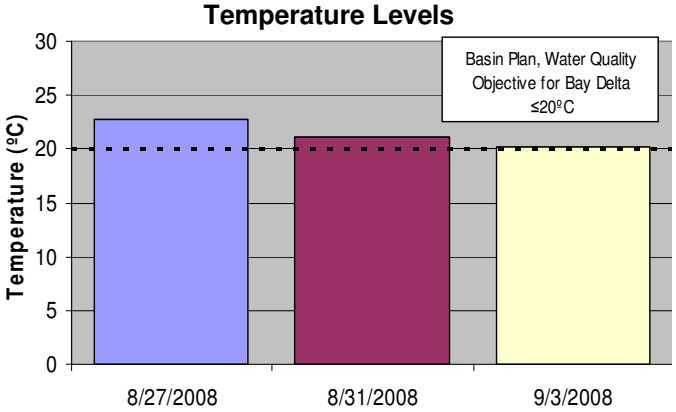
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml











The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Rock Creek below Lake Vera, below Dam
SWAMP Site ID: 516NEV904
Watershed: South Yuba River Watershed
County: Nevada
Longitude: -121.028200
Latitude: 39.302370

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	18.9	14.6	6.3
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	80	80	80
pH	6.5-8.5 (Basin Plan Objective)	7.0	7.2	7.2
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	24.7	24.2	22.6

•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
Shaded table cells contain values that do not meet the water quality guidelines.
The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

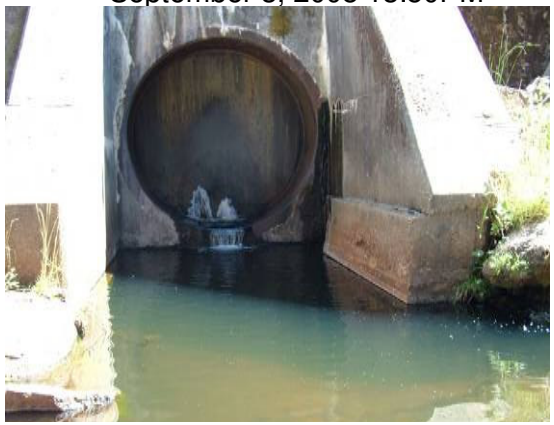
SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Rock Creek below Lake Vera, below Dam (516NEV904)

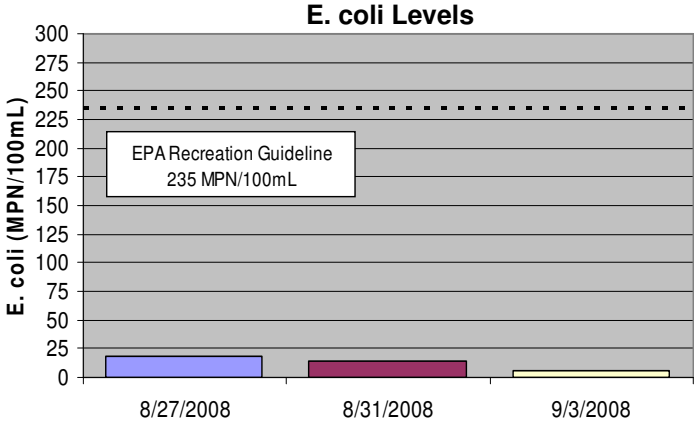
August 27, 2008 13:30PM

August 31, 2008 13:42PM

September 3, 2008 13:50PM

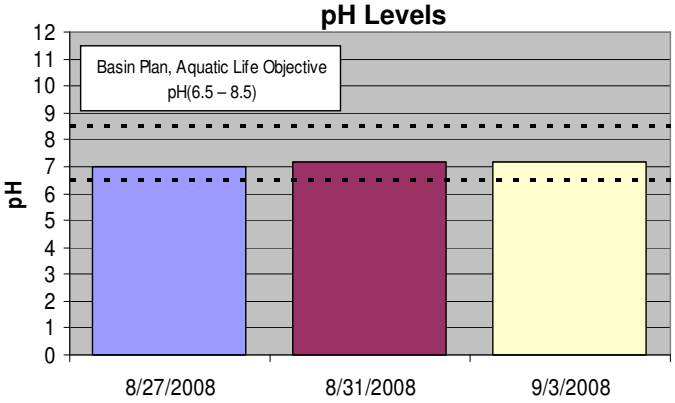


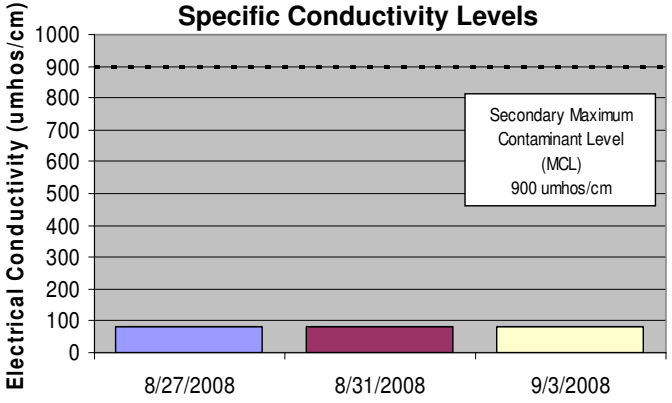
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

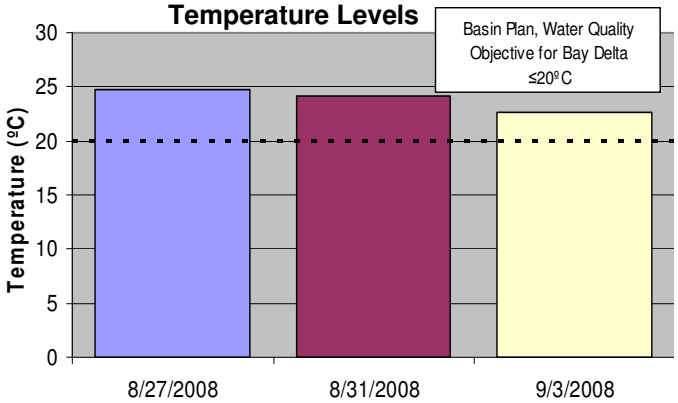


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

DRAFT DATA – SWAMP Labor Day 2008 Bacteria Monitoring

Description of Sample Site: Rock Creek, Lower – near South Yuba River
SWAMP Site ID: 516NEV905
Watershed: South Yuba River Watershed
County: Nevada
Longitude: -121.042952
Latitude: 39.312000

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	41.4	5.2	25.9
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	90	10	10
pH	6.5-8.5 (Basin Plan Objective)	7.6	7.7	7.7
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.1	18.8	18.0

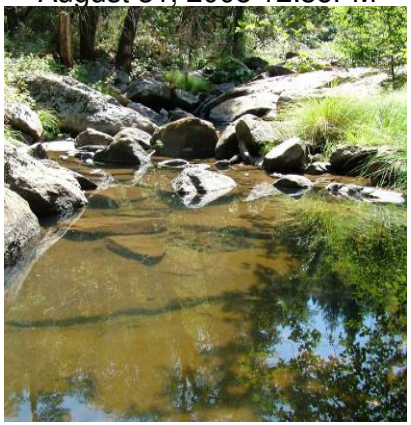
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

SWAMP Labor Day Recreation Study -Before, During and After Labor Day 2008

Rock Creek, Lower – near South Yuba River (516NEV905)

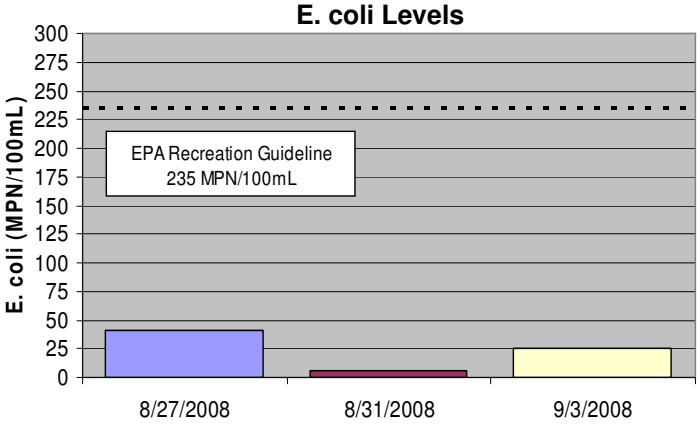
August 27, 2008 12:30PM

August 31, 2008 12:35PM



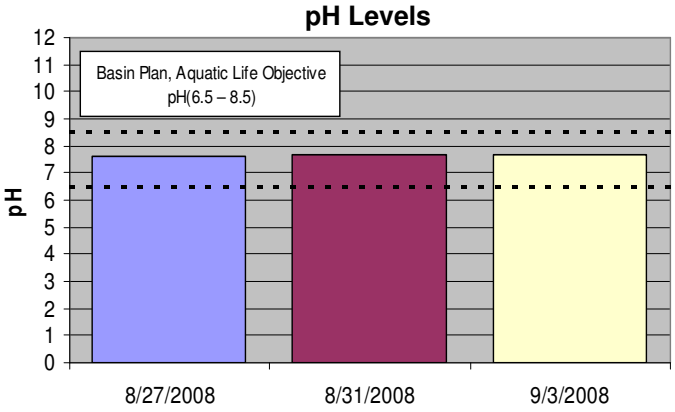
September 3, 2008 13:11PM

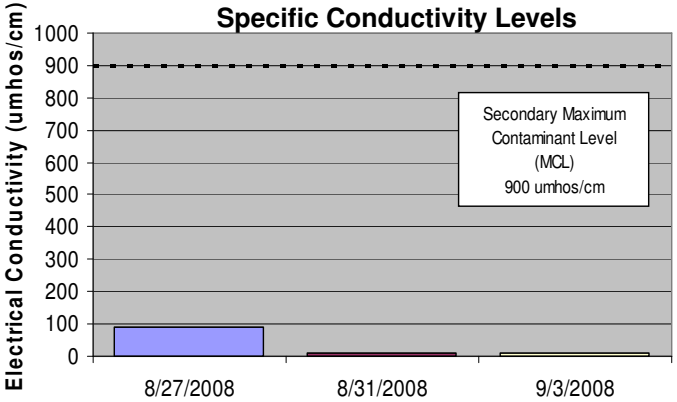
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

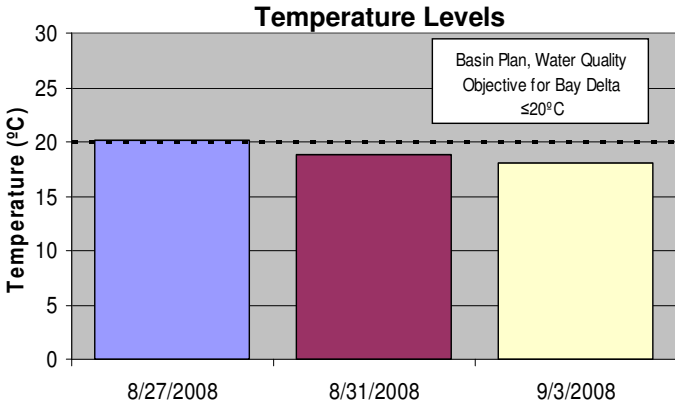


Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml







The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site