

## Lower Cache Creek Water Quality Testing

Mean Daily Flow (cfs) at Yolo: 2,140						
Mean Daily Flow (cfs) at Rumsey: BRT						
February 22, 2005	Capay Bridge	Gordon Slough	Upstream of Gordon Slough	Upstream of I-5 Bridge	Water Quality Objectives	
ANALYTE	UNITS	Results	Results	Results	Results	Value Source
<b>Field Tests</b>						
Temperature	°F	52.4	53.3	54.6	54.4	56 b
pH	pH Units	8.1	7.4	8.0	8.0	6.5-8.5 b
Dissolved Oxygen	mg/L	10.7	9.8	10.6	10.7	7 b
<b>Color/Odor</b>						
Color	CU	< 3	< 3	< 3	< 3	15 a
Odor	TON	< 1	< 1	< 1	< 1	3 a
<b>Sediment</b>						
Total Suspended Solids (TSS)	mg/L	320	520	210	740	Desc. b
Total Dissolved Solids (TDS)	mg/L	210	200	110	180	1,000 a
Turbidity	NTU	57	53	160	61	Varies b
<b>Nutrients</b>						
Nitrate Nitrogen (N <sub>3</sub> -N)	mg/L as N	< 0.1	< 0.1	< 0.1	< 0.1	10 a
Nitrite Nitrogen (NO <sub>2</sub> -N)	mg/L as N	0.2	0.3	0.7	0.3	1 a
Ammonia (NH <sub>3</sub> -N)	mg/L as N	< 0.4	< 0.4	< 0.4	< 0.4	Varies c
Kjeldahl Nitrogen (TKN)	mg/L as N	2.3	1.9	3.4	1.7	N/A N/A
Phosphate Phosphorous (PO <sub>4</sub> -P)	mg/L as P	< 0.3	< 0.3	< 0.3	< 0.3	N/A N/A
<b>Petroleum</b>						
TPH as Gasoline	ug/L	< 50	< 50	< 50	< 50	5 c
TPH as Diesel	ug/L	* 130	* 62	< 50	< 50	100 c
<b>Metals</b>						
Boron	ug/L	610	650	180	600	600 c
Total Mercury	ug/L	< 0.25	< 0.25	< 0.25	< 0.25	0.05 c
Dissolved Mercury	ug/L	< 0.25	< 0.25	< 0.25	< 0.25	N/A N/A
<b>Organophosphate Pesticides</b>						
Azinophos Methyl	ug/L	< 1.5	< 1.5	< 1.5	< 1.5	Desc. b
Bolstar	ug/L	< 0.15	< 0.15	< 0.15	< 0.15	Desc. b
Coumaphos	ug/L	< 1.5	< 1.5	< 1.5	< 1.5	Desc. b
Demeton	ug/L	< 0.25	< 0.25	< 0.25	< 0.25	Desc. b
Diazinon	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	Desc. b
Dichlorvos	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	Desc. b
Disulfoton	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	Desc. b
Dursban (Chlorpyrifos)	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	Desc. b
Ethoprop	ug/L	< 0.25	< 0.25	< 0.25	< 0.25	Desc. b
Fensulfothion	ug/L	< 2.5	< 2.5	< 2.5	< 2.5	Desc. b
Fenthion	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	Desc. b
Gardona (Stirophos)	ug/L	< 0.5	< 0.5	< 0.5	< 0.5	Desc. b
Malathion	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	Desc. b
Merphos	ug/L	< 0.25	< 0.25	< 0.25	< 0.25	Desc. b
Methyl Parathion	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	Desc. b
Mevinphos	ug/L	< 0.3	< 0.3	< 0.3	< 0.3	Desc. b
Naled	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	Desc. b
Phorate	ug/L	< 0.15	< 0.15	< 0.15	< 0.15	Desc. b
Ronnel	ug/L	< 0.3	< 0.3	< 0.3	< 0.3	Desc. b
Tokuthion	ug/L	< 0.5	< 0.5	< 0.5	< 0.5	Desc. b
Trichloronate	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	Desc. b
Glyphosate	ug/L	< 25	< 25	< 25	< 25	700 a
<b>Organochlorine Herbicides</b>						
2,4-T	ug/L	< 0.06	< 0.06	< 0.06	< 0.06	Desc. b
2,4-DB	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	Desc. b
2,4-D	ug/L	< 0.04	< 0.04	< 0.04	< 0.04	70 a
Dalapon	ug/L	< 0.02	< 0.02	< 0.02	< 0.02	200 a
Dicamba	ug/L	< 0.03	< 0.03	< 0.03	< 0.03	Desc. b
Dichloroprop	ug/L	< 0.04	< 0.04	< 0.04	< 0.04	Desc. b
Dinoseb	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	7 a
MCPA	ug/L	< 10	< 10	< 10	< 10	Desc. b
MCPP	ug/L	< 8.0	< 8.0	< 8.0	< 8.0	Desc. b
4, Nitrophenol	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	Desc. b
Pentachlorophenol	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	1.00 a
Silvex	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	50 a

February 22, 2005		Capay Bridge	Gordon Slough	Upstream of Gordon Slough	Upstream of I-5 Bridge	Water Quality Objectives	
ANALYTE	UNITS	Results	Results	Results	Results	Value	Source
<b>Bacteria</b>							
Total Coliform	MPN/100ml	30000	50000	7000	760	N/A	N/A
Fecal Coliform	MPN/100ml	<b>230</b>	<b>3000</b>	<b>1300</b>	<b>310</b>	200	b

**Notes:**

- BRT = Below Rating Table
- ART = Above Rating Table
- ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
- R/L = Reporting Limit
- mg/L = milligrams (10e-3 g) per liter or part per million (ppm)
- ug/L = micrograms (10e-6 g) per liter or part per billion (ppb)
- Desc. = Descriptive objective based upon impairments to the water body.
- Varies = Water quality objective varies based upon other factor(s). See Source for details.
- N/A = Not Applicable. Values and/or Sources are not applicable. May be updated in the future.
- \* The sample chromatogram does not match the standard diesel chromatogram.
- Bold results indicate water quality objectives were not met.
- Temperature Conversion Equation: °C = (°F -32) x (5/9)

**Water Quality Objective Sources:**

- (a) California Department of Health Services, Drinking Water Standards
- (b) Central Valley Regional Water Quality Control Board, Water Quality Control Plan (Basin Plan) (1998)
- (c) Central Valley Regional Water Quality Control Board, A Compilation of Water Quality Goals (August 2003)