Lower Cache Creek Water Quality Testing

Mean Daily Flow (cfs) at Yolo: 1080

Mean Daily Flow (cfs) at Rumsey: BRT

December 9, 2004	Site	Capay Bridge	Gordon Slough	Stevens Bridge Alt. 1	Downstream I-5 Alt. 1	Water Quality Objectives	
ANALYTE	**Units**	**Results**	**Results**	**Results**	**Results**	**Value**	**Source**
Field Tests							
Temperature	°C	10.7	10.6	12.0	11.4	56°F	b
pH	pH Units	7.98	7.47	7.9	8	6.5-8.5	b
Dissolved Oxygen	mg/L	10.8	9.5	10.4	10.4	7.0	b
Color/Odor							
Color	CU	<1	<1	<1	<1	15	a
Odor	TON	>500	>500	>500	>500	3.0	a
Sediment							
Total Suspended Solids (TSS)	mg/L	540	380	700	780	Desc.	b
Total Dissolved Solids (TDS)	mg/L	310	210	340	310	1,000	a
Turbidity	NTU	148	174	30	47	Varies	b
Nutrients							
Nitrate Nitrogen (N_3-N)	mg/L as N	1.1	10	1.4	1.8	10	a
Nitrite Nitrogen (NO_2-N)	mg/L as N	<0.5	<0.5	<0.5	<0.5	1.0	a
Ammonia (NH_3)	mg/L	0.39	0.46	0.19	0.44	Varies	c
Kjeldahl Nitrogen (TKN)	mg/L	1.9	2.4	3.0	1.3		
Phosphate Phosphorous (PO_4-P)	mg/L as P	<1.0	<1.0	<1.0	<1.0		
Petroleum							
TPH as Gasoline	ug/L	<50	<50	<50	<50	5	c
TPH as Diesel	ug/L	<50	<50	<50	<50	100	c
Organophosphate Pesticides							
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	<0.15	<0.15	<0.15	<0.15	Desc.	b
Glyphosate	ug/L	<25	<25	<25	<25	700	a
Bacteria							
Total Coliform	MPN/100ml	>1600	>1600	>1600	>1600		
Fecal Coliform	MPN/100ml	>1600	>1600	>1600	>1600	200	b
Organochlorine Herbacides							
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	a
Silvex	ug/L	<0.05	<0.05	<0.05	<0.05	50	a
Metals							
Boron	ug/L	1100	460	1400	1500	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		

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
ug/L = micrograms (10e-6 g) per liter
Desc. = Descriptive objective based upon impairments to the water body.

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)