

Summary of Raw Water Quality*
Hodges System Streams¹ 2006-2010

Parameters	Units	DLR**/MDL	Drinking Water Standards ²		No. of Samples	Raw Water Quality			
			MCL	SMCL		Min	Max	Mean	Median
General Physical									
Conductivity	µS/cm			1600	382	73.4	3160	2000	2200
pH			6.5-8.5		382	6.68	8.68	7.77	7.8
Total Dissolved Solids	mg/L	10		1000	360	241	2160	1340	1460
Total Suspended Solids	mg/L	1			361	1	1750	15.8	3.9
Microbiological									
E. Coli	/100 mL				273	100	160000	1400	100
Enterococcus	/100 mL				273	4.1	2400	480	230
Total Coliform	/100 mL				273	310	240000	20300	8400
Metals³									
Aluminum	µg/L	50	1000	200	17	nd	508	107	85.9
Aluminum, Dissolved	µg/L				18	nd	50.8	13.6	12
Antimony	µg/L	6	6		18	nd	nd	nd	nd
Antimony, Dissolved	µg/L				18	nd	nd	nd	nd
Arsenic	µg/L	2	10		18	nd	3.06	nd	nd
Arsenic, Dissolved	µg/L				18	nd	2.63	nd	nd
Barium	µg/L	100	1000		18	nd	nd	nd	nd
Barium, Dissolved	µg/L				18	27.2	145	66.5	67
Beryllium	µg/L	1	4		16	nd	nd	nd	nd
Beryllium, Dissolved	µg/L				17	nd	nd	nd	nd
Boron	µg/L	100			16	nd	222	129	126
Boron, Dissolved	µg/L				17	33.2	243	137	143
Cadmium	µg/L	1	5		18	nd	nd	nd	nd
Cadmium, Dissolved	µg/L				18	nd	nd	nd	nd
Chromium	µg/L	10	50		17	nd	nd	nd	nd
Chromium, Dissolved	µg/L				17	nd	2.91	nd	nd
Copper	µg/L	50	1300 ⁴	1000	17	nd	nd	nd	nd
Copper, Dissolved	µg/L				18	nd	1080	134	7.09
Lead	µg/L	5	15 ⁴		18	nd	nd	nd	nd
Lead, Dissolved	µg/L				18	nd	22	3.28	nd
Manganese	µg/L	20		50	16	31.8	5200	504	139
Manganese, Dissolved	µg/L				17	1.05	4810	447	152
Nickel	µg/L	10	100		18	nd	nd	nd	nd
Nickel, Dissolved	µg/L				18	2	13	5.56	5.12
Selenium	µg/L	5	50		18	nd	nd	nd	nd
Selenium, Dissolved	µg/L				18	nd	4.53	nd	nd
Silver	µg/L	10		100	18	nd	nd	nd	nd
Silver, Dissolved	µg/L				7	nd	nd	nd	nd
Thallium	µg/L	1	2		18	nd	nd	nd	nd
Thallium, Dissolved	µg/L				18	nd	nd	nd	nd
Vanadium	µg/L	3			17	nd	12.2	5.96	5.77
Vanadium, Dissolved	µg/L				17	nd	17.1	5.77	5.29
Zinc	µg/L	50		5000	18	nd	nd	nd	nd
Zinc, Dissolved	µg/L				18	nd	66.2	17.1	10.9
Inorganic Constituents									
Ammonia-N	mg/L	0.031			352	nd	2.12	0.041	nd
Nitrate (as NO3)	mg/L	2	45		352	nd	36.1	5.9	4.4
Nitrite (as NO2)	mg/L	1.31	3.29		352	nd	1.2	nd	nd
Phosphate, Ortho (as PO4)	mg/L	0.2			333	nd	2	0.218	nd
Phosphorus	mg/L	0.078			331	nd	0.792	0.14	0.122
Total Nitrogen	mg/L	0.156			337	nd	10	1.88	1.79
Organic Constituents Regulated									
1,1,1-Trichloroethane (1,1,1-TCA)	µg/L	0.5	200		20	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	µg/L	0.5	1		20	nd	nd	nd	nd
1,1,2-Trichloroethane (1,1,2-TCA)	µg/L	0.5	5		20	nd	nd	nd	nd
1,1-Dichloroethane (1,1-DCA)	µg/L	0.5	5		20	nd	nd	nd	nd
1,1-Dichloroethene (1,1-DCE)	µg/L	0.5	6		20	nd	nd	nd	nd
1,2,4-Trichlorobenzene	µg/L	0.5	5		20	nd	nd	nd	nd
1,2-Dichlorobenzene (o-DCB)	µg/L	0.5	600		20	nd	nd	nd	nd
1,2-Dichloroethane (1,2-DCA)	µg/L	0.5	0.5		20	nd	nd	nd	nd
1,2-Dichloropropane	µg/L	0.5	5		20	nd	nd	nd	nd
1,4-Dichlorobenzene (p-DCB)	µg/L	0.5	5		20	nd	nd	nd	nd
Alachlor (ALANEX)	µg/L	1	2		10	nd	nd	nd	nd
Atrazine (AATREX)	µg/L	0.5	1		10	nd	nd	nd	nd

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Benzene	µg/L	0.5	1		20	nd	nd	nd	nd
Benzo(a)pyrene	µg/L	0.1	0.2		10	nd	nd	nd	nd
Bromodichloromethane	µg/L	1			20	nd	nd	nd	nd
Bromoform	µg/L	1			20	nd	nd	nd	nd
Carbofuran (FURADAN)	µg/L	5	18		9	nd	nd	nd	nd
Carbon Tetrachloride	µg/L	0.5	0.5		20	nd	nd	nd	nd
Chlordane	µg/L	0.1	0.1		7	nd	nd	nd	nd
Chloroform (Trichloromethane)	µg/L	1			20	nd	nd	nd	nd
cis-1,2-Dichloroethylene (c-1,2-DCE)	µg/L	0.5	6		20	nd	nd	nd	nd
Di(2-ethylhexyl) Adipate	µg/L	5	400		10	nd	nd	nd	nd
Dibromochloromethane	µg/L	1			20	nd	nd	nd	nd
Dibromochloropropane (DBCP)	µg/L	0.01	0.2		28	nd	nd	nd	nd
Dichloromethane (Methylene Chloride)	µg/L	0.5	5		20	nd	nd	nd	nd
Diethylhexylphthalate (DEHP)	µg/L	3	4		10	nd	nd	nd	nd
Endrin	µg/L	0.1	2		18	nd	nd	nd	nd
Ethyl Benzene	µg/L	0.5	300		20	nd	nd	nd	nd
Ethylene Dibromide (EDB)	µg/L	0.02	0.05		29	nd	nd	nd	nd
Heptachlor	µg/L	0.01	0.01		8	nd	nd	nd	nd
Heptachlor epoxide	µg/L	0.01	0.01		8	nd	nd	nd	nd
Hexachlorobenzene	µg/L	0.5	1		18	nd	nd	nd	nd
Hexachlorocyclopentadiene	µg/L	1	50		18	nd	nd	nd	nd
Lindane (gamma-BHC)	µg/L	0.2	0.2		8	nd	nd	nd	nd
m,p-Xylene	µg/L	0.5			20	nd	nd	nd	nd
Methoxychlor	µg/L	10	30		18	nd	nd	nd	nd
Methyl-tert-butyl ether (MTBE)	µg/L	3	13	5	20	nd	nd	nd	nd
Molinate (ORDRAM)	µg/L	2	20		10	nd	nd	nd	nd
Monochlorobenzene (Chlorobenzene)	µg/L	0.5	70		20	nd	nd	nd	nd
Oxamyl (Vydate)	µg/L	20	50		9	nd	nd	nd	nd
o-Xylene	µg/L	0.5			20	nd	nd	nd	nd
Polychlorinated Biphenyls, Total, as DCB	µg/L	0.5	0.5		6	nd	nd	nd	nd
Simazine (PRINCEP)	µg/L	1	4		10	nd	nd	nd	nd
Styrene	µg/L	0.5	100		20	nd	nd	nd	nd
Tetrachloroethylene (PCE)	µg/L	0.5	5		20	nd	nd	nd	nd
Thiobencarb (BOLERO)	µg/L	1	70	1	10	nd	nd	nd	nd
Toluene	µg/L	0.5	150		20	nd	nd	nd	nd
Total Organic Carbon (TOC)	mg/L	0.3			355	2.76	17.5	6.23	nd
Total Xylenes (m,p, & o)	µg/L		1750		20	nd	nd	nd	nd
Toxaphene	µg/L	1	3		7	nd	nd	nd	nd
trans-1,2-Dichloroethylene (t-1,2-DCE)	µg/L	0.5	10		20	nd	nd	nd	nd
Trichloroethylene (TCE)	µg/L	0.5	5		20	nd	nd	nd	nd
Trichlorofluoromethane (FREON 11)	µg/L	5	150		20	nd	nd	nd	nd
Trichlorotrifluoroethane (FREON 113)	µg/L	10	1200		20	nd	nd	nd	nd
Vinyl Chloride (VC)	µg/L	0.5	0.5		20	nd	nd	nd	nd
Organic Constituents Unregulated									
1,1,1,2-Tetrachloroethane	µg/L	0.5			20	nd	nd	nd	nd
1,1-Dichloropropene	µg/L	0.5			20	nd	nd	nd	nd
1,2,3-Trichlorobenzene	µg/L	0.5			20	nd	nd	nd	nd
1,2,4-Trimethylbenzene	µg/L	0.4			20	nd	nd	nd	nd
1,3,5-Trimethylbenzene	µg/L	0.5			20	nd	nd	nd	nd
1,3-Dichlorobenzene (m-DCB)	µg/L	0.5			20	nd	nd	nd	nd
1,3-Dichloropropane	µg/L	0.5			20	nd	nd	nd	nd
2,2-Dichloropropane	µg/L	0.5			20	nd	nd	nd	nd
2-Chlorotoluene	µg/L	0.5			20	nd	nd	nd	nd
3-Hydroxycarbofuran	µg/L	3			9	nd	nd	nd	nd
4-Chlorotoluene	µg/L	0.5			20	nd	nd	nd	nd
Acenaphthylene	µg/L	5			7	nd	nd	nd	nd
Aldicarb	µg/L	3			9	nd	nd	nd	nd
Aldicarb sulfone	µg/L	4			9	nd	nd	nd	nd
Aldicarb sulfoxide	µg/L	3			9	nd	nd	nd	nd
Aldrin	µg/L	0.075			8	nd	nd	nd	nd
Anthracene	µg/L	5			10	nd	nd	nd	nd
Baygon	µg/L	0.4			9	nd	nd	nd	nd
Benzo (a) Anthracene	µg/L	10			10	nd	nd	nd	nd
Benzo (b) Fluoroanthene	µg/L	10			10	nd	nd	nd	nd
Benzo (g,h,i) Perylene	µg/L	10			7	nd	nd	nd	nd
Benzo (k) Fluoroanthene	µg/L	10			10	nd	nd	nd	nd
Benzyl Butyl Phthalate	µg/L	10			10	nd	nd	nd	nd

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Bromobenzene	µg/L	0.5			20	nd	nd	nd	nd
Bromochloromethane	µg/L	0.5			20	nd	nd	nd	nd
Bromomethane (Methyl Bromide)	µg/L	0.5			20	nd	nd	nd	nd
Carbaryl (Sevin)	µg/L	5			9	nd	nd	nd	nd
Chloroethane	µg/L	0.5			20	nd	nd	nd	nd
Chloromethane (Methyl Chloride)	µg/L	0.5			20	nd	nd	nd	nd
Chrysene	µg/L	5			10	nd	nd	nd	nd
cis-1,3-Dichloropropene	µg/L	0.5			20	nd	nd	nd	nd
Dibenzo (a,h) anthracene	µg/L	5			10	nd	nd	nd	nd
Dibromomethane	µg/L	0.5			20	nd	nd	nd	nd
Dichlorodifluoromethane (Freon 12)	µg/L	0.5			20	nd	nd	nd	nd
Dieldrin	µg/L	0.02			8	nd	nd	nd	nd
Diethylphthalate	µg/L	5			10	nd	nd	nd	nd
Diisopropyl Ether (DIPE)	µg/L	3			20	nd	nd	nd	nd
Dimethyl phthalate	µg/L	5			10	nd	nd	nd	nd
di-n-Butylphthalate	µg/L	5			10	nd	nd	nd	nd
Ethyl-tert-butyl ether (ETBE)	µg/L	3			20	nd	nd	nd	nd
Fluorene	µg/L	5			10	nd	nd	nd	nd
Hexachlorobutadiene	µg/L	0.5			20	nd	nd	nd	nd
Indeno (1,2,3-cd) Pyrene	µg/L	10			7	nd	nd	nd	nd
Isopropylbenzene (Cumene)	µg/L	0.5			20	nd	nd	nd	nd
Methiocarb	µg/L	0.4			9	nd	nd	nd	nd
Methomyl	µg/L	2			9	nd	nd	nd	nd
Naphthalene	µg/L	0.5			30	nd	nd	nd	nd
n-Butylbenzene	µg/L	0.5			20	nd	nd	nd	nd
n-Propylbenzene	µg/L	0.5			20	nd	nd	nd	nd
Phenanthrene	µg/L	5			10	nd	nd	nd	nd
p-Isopropyltoluene	µg/L	0.2			20	nd	nd	nd	nd
Propachlor	µg/L	0.5			18	nd	nd	nd	nd
Pyrene	µg/L	0.5			10	nd	nd	nd	nd
sec-Butylbenzene	µg/L	0.5			20	nd	nd	nd	nd
tert-Amyl Methyl Ether (TAME)	µg/L	3			20	nd	nd	nd	nd
tert-Butyl Alcohol (TBA)	µg/L	2			20	nd	nd	nd	nd
tert-Butylbenzene	µg/L	0.5			20	nd	nd	nd	nd
trans-1,3-Dichloropropene	µg/L	0.5			20	nd	nd	nd	nd
Trifluralin	µg/L	0.5			10	nd	nd	nd	nd

Notes:

*The acceptance criteria in this table apply to finished, potable water, and are for reference only.

** The State of California DLR values are used when available. Parameters without DLR values were reported at MDL levels.

(1) The sampling points summarized are: CDC4, DDC3, FEL2, FEL3, GVC2, GJC4, KCC3, MON2, SMC4, SYC2, TEM1, YSA8.

(2) State MCL and MCLG values may be more stringent than federal standards for treated water.

(3) Dissolved trace metals samples were filtered before analysis. The results reflect dissolved trace metals.

(4) Lead and Copper Rule Action Level.

nd: non-detect at State DLR or MDL if DLR not available