

Table 7. Summary of measured constituents and properties for East River below Cement Creek, station 09112200

[--, no data or not applicable; L, low; M, medium; H, high; LRL, Lab Reporting Level; *, value is censored, see Definition of Terms for censored value replacement rules; NC, percentiles and medians not calculated or Level of Concern not computed; **, Geometric mean; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, *Escherichia coli*, pH, and water temperature]

Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Chronic standard or standard	Number of exceedances of chronic standard or standard	Acute standard or standard	Number of exceedances of acute standard or standard	LRL	Level of concern
Instantaneous discharge, in cubic feet per second	1994-2017	244	0	41.8	130	3,030	06/16/95	63.2	896	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	12	0	43.0	110	1,370	06/05/19	50.6	758	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1994-2017	204	0	7.1	9.4	12.7	03/25/94	8.0	10.9	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	12	0	7.7	9.0	12.2	01/18/18	7.9	12.0	6.0	0	--	--	--	L
pH, in standard units	1994-2017	205	0	7.4	8.3	9.3	03/06/07	8.1	8.7	6.5-9.0	5	--	--	--	L
pH, in standard units	2018-2019	12	0	7.9	8.3	8.8	03/14/18	8.0	8.8	6.5-9.0	0	--	--	--	L
Specific conductance, in microsiemens per centimeter	1994-2017	244	0	140	281	335	09/03/02	179	311	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	12	0	155	312	353	08/14/18	165	342	--	--	.	--	--	--
Temperature, degrees Celsius	1994-2017	244	0	-0.1	7.0	17.7	07/22/03	1.8	12.1	--	--	--	--	--	--
Temperature, degrees Celsius	2018-2019	12	0	0.0	6.1	17.7	07/16/18	2.6	15.0	--	--	--	--	--	--
Temperature, degrees Celsius April-October	1994-2017	164	0	0.7	9.2	17.7	07/22/03	5.0	13.6	23.9	0	--	--	--	L
Temperature, degrees Celsius April-October	2018-2019	8	0	3.4	8.3	17.7	07/16/18	3.8	16.7	23.9	0	--	--	--	L
Temperature, degrees Celsius November-March	1994-2017	80	0	-0.1	2.3	7.1	02/29/00	0.1	4.7	13.0	0	--	--	--	L
Temperature, degrees Celsius November-March	2018-2019	4	0	0.0	NC	6.2	11/13/17	NC	NC	13.0	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2001-2002	3	0	1.0	NC	3.2	08/06/02	NC	NC	--	--	--	--	--	--
Residue, in milligrams per liter	1995-2001	91	0	80.0	160	194	11/08/00	95.6	182	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	1995-2002	97	0	73.3	155	191	09/03/02	88.5	173	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2002	98	0	66.0	127	163	09/03/02	76.8	148	--	--	.	--	--	--
Calcium, in milligrams per liter	1995-2002	98	0	21.0	39.6	50.6	09/03/02	24.4	46.0	--	--	.	--	0.012	--
Magnesium, in milligrams per liter	1995-2002	98	0	3.3	6.8	9.0	09/03/02	3.9	7.9	--	--	.	--	0.0080	--
Potassium, in milligrams per liter	1995-2002	97	0	0.30	0.90	1.9	05/25/99	0.56	1.0	--	--	.	--	0.11	--
Sodium, in milligrams per liter	1995-2002	97	0	1.3	3.4	6.6	03/13/01	1.7	5.2	--	--	.	--	0.090	--
Acid neutralizing capacity, in milligrams per liter	1995-1999	58	0	63.0	106	134	12/15/95	67.8	121	--	--	.	--	--	--
Alkalinity, in milligrams per liter	1999-2002	39	0	59.0	117	140	11/08/00	69.6	132	--	--	.	--	1.0	--
Alkalinity, inflection-point titration, in milligrams per liter	1995-2007	121	0	54.0	103	142	01/14/04	70.4	122	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	1995-2007	120	0	65.0	121	174	08/13/04	85.9	144	--	--	.	--	--	--
Carbonate, in milligrams per liter	1996-2007	52	0	0.20	2.5	12.0	02/27/96	1.2	7.0	--	--	.	--	--	--
Chloride, in milligrams per liter	1995-2007	138	0	0.20	1.4	3.8	03/16/04	0.55	2.1	250	0	.	--	0.12	L
Fluoride, in milligrams per liter	1995-2001	95	29	0 *	0.12	0.28	01/21/98	0 *	0.20	--	--	.	--	--	--
Silica, in milligrams per liter	1995-2002	97	0	4.6	6.5	8.2	09/03/02	5.2	7.2	--	--	.	--	0.13	--
Sulfate, in milligrams per liter	1995-2007	138	0	8.7	30.0	40.5	01/14/04	14.5	36.0	250	0	.	--	0.18	L
Ammonia plus organic nitrogen in milligrams per liter as N	1995-2017	199	54	0 *	0.099	0.540	05/21/08	0 *	0.194	--	--	--	--	0.070	--
Ammonia plus organic nitrogen in milligrams per liter as N	2018-2019	12	2	0 *	0.121	0.296	04/23/19	0 *	0.294	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1994-2017	205	122	0 *	0 *	0.111	03/19/98	0 *	0.020	1.50	0	3.26	0	0.010	L
Ammonia, in milligrams per liter as N	2018-2019	12	11	0 *	0 *	0.015	04/23/19	0 *	0.0008	1.48	0	3.26	0	0.010	L
Nitrite plus nitrate in milligrams per liter as N	1994-2017	205	6	0 *	0.077	0.322	05/06/03	0.039	0.150	--	--	10.0	0	0.010	--

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Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Chronic standard or standard	Number of exceedances of chronic standard or standard	Acute standard or standard	Number of exceedances of acute standard or standard	Level of concern	LRL
Nitrite plus nitrate in milligrams per liter as N	2018-2019	12	0	0.044	0.079	0.261	04/23/19	0.045	0.211	--	--	10.0	0	0.010	--
Nitrite, in milligrams per liter as N	1994-2017	205	113	0 *	0 *	0.020	03/27/96	0 *	0.002	--	--	0.05	0	0.0010	--
Nitrite, in milligrams per liter as N	2018-2019	12	5	0 *	0.001	0.004	02/25/19	0 *	0.002	--	--	0.05	0	0.0010	--
Orthophosphate, in milligrams per liter as P	1994-2017	205	124	0 *	0 *	0.042	02/19/98	0 *	0.007	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2018-2019	12	2	0 *	0.005	0.015	01/18/18	0 *	0.006	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1994-2002	105	53	0 *	0 *	0.036	02/19/98	0 *	0.011	--	--	--	--	0.0044	--
Phosphorus (total), in milligrams per liter as P	1995-2017	198	26	0 *	0.011	0.182	05/21/08	0.004	0.031	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter as P	2018-2019	12	0	0.006	0.013	0.058	06/05/19	0.006	0.051	--	--	--	--	0.0040	--
<i>Escherichia coli</i> , in colonies per 100 milliliters	1994-2017	113	38	1	3	150	06/20/17	--	4 **	126	1	--	--	1	L
<i>Escherichia coli</i> , in colonies per 100 milliliters	2018-2019	11	2	1	5	60	06/05/19	--	7 **	126	0	--	--	1	L
Biomass periphyton, ashfree drymass, in grams per square meter	1997-2017	33	0	1.20	23.9	64.4	01/14/04	9.17	52.0	--	--	--	--	0.10	--
Biomass periphyton, ashfree drymass, in grams per square meter	2018-2019	4	0	1.60	NC	37.8	10/23/18	NC	NC	--	--	--	--	0.70	--
Periphyton, biomass, ash weight, in grams per square meter	1997-2017	33	0	16.2	441	1061	08/27/03	163	715	--	--	--	--	0.10	--
Periphyton, biomass, ash weight, in grams per square meter	2018-2019	4	0	43.2	NC	342	10/23/18	NC	NC	--	--	--	--	0.70	--
Periphyton, biomass, dry weight, in grams per square meter	1997-2017	33	0	17.4	458	1087	08/27/03	179	773	--	--	--	--	0.10	--
Periphyton, biomass, dry weight, in grams per square meter	2018-2019	4	0	44.8	NC	380	10/23/18	NC	NC	--	--	--	--	0.70	--
Chlorophyll a, periphyton, chromofluoro, in milligrams per square meter	1997-2017	32	0	0.400	43.2	185	03/07/12	13.5	118	--	--	--	--	0.10	--
Chlorophyll a, periphyton, chromofluoro, in milligrams per square meter	2018-2019	4	0	1.33	NC	158	03/14/18	NC	NC	--	--	--	--	0.10	--
Pheophytin a, periphyton, in milligrams per square meter	2002-2017	28	0	2.67	18.1	91.0	04/12/13	6.25	51.3	--	--	--	--	0.10	--
Pheophytin a, periphyton, in milligrams per square meter	2018-2019	4	1	0 *	NC	36.7	03/14/18	NC	NC	--	--	--	--	0.10	--
Aluminum, in micrograms per liter	1995-2001	25	11	0 *	9.7	60.0	06/13/95	0 *	21.8	--	--	.	--	--	--
Cadmium, in micrograms per liter	1994-2001	30	28	0 *	0 *	0.16	04/13/00	0 *	0 *	0.91	0	2.4	0	--	L
Copper, in micrograms per liter	1994-2001	30	19	0 *	0 *	15.0	03/25/94	0 *	1.7	11.7	1	18.0	0	--	L
Iron, in micrograms per liter	1995-2002	95	21	0 *	11.0	56.0	06/16/95	0 *	18.7	300	0	.	--	10.0	L
Lead, in micrograms per liter	1994-2001	30	30	0 *	0 *	0 *	11/17/93	0 *	0 *	3.5	0	90.5	0	--	L
Manganese, in micrograms per liter	1994-2001	100	11	0 *	5.2	54.0	04/10/96	2.1	14.0	1,830	0	3,312	0	--	L
Silver, in micrograms per liter	1994-2001	22	22	0 *	0 *	0 *	11/17/93	0 *	0 *	0.13	0	3.5	0	--	L
Zinc, in micrograms per liter	1994-2001	30	15	0 *	1.7	55.4	04/21/99	0 *	25.7	161	0	212	0	--	L
Selenium, in micrograms per liter	1994-1996	11	11	0 *	0 *	0 *	11/17/93	0 *	0 *	4.6	0	18.4	0	--	L
Organic carbon, in milligrams per liter	1995-2000	73	0	0.60	1.0	2.8	06/16/95	0.80	2.4	--	--	.	--	--	--
Suspended sediment, in milligrams per liter	1995-2006	111	3	0 *	2	241	06/16/95	1	20	--	--	--	--	--	--