

Table 8. Summary of measured constituents and properties for East River at Almont, station 09112500

[--, 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	207	0	25.3	134	2,710	07/13/95	72.0	943	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	12	0	51.5	102	1,780	06/06/19	52.0	745	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1994-2017	147	0	7.0	9.6	12.8	11/17/93	8.0	10.9	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	12	0	7.4	9.3	11.3	01/17/18	8.1	10.8	6.0	0	--	--	--	L
pH, in standard units	1994-2017	147	0	7.5	8.4	8.9	11/17/93	8.1	8.6	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	12	0	8.0	8.4	8.6	10/23/18	8.1	8.5	6.5-9.0	0	--	--	--	L
Specific conductance, in microsiemens per centimeter	1994-2017	207	0	161	303	351	09/04/02	208	329	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	12	0	175	329	371	01/17/18	176	363	--	--	.	--	--	--
Temperature, degrees Celsius	1994-2017	207	0	-0.1	7.6	18.5	07/17/02	1.1	14.0	--	--	--	--	--	--
Temperature, degrees Celsius	2018-2019	12	0	0.1	7.8	15.8	09/04/19	0.1	14.5	--	--	--	--	--	--
Temperature, degrees Celsius April-October	1994-2017	140	0	2.9	10.6	18.5	07/17/02	6.1	15.5	23.9	0	--	--	--	L
Temperature, degrees Celsius April-October	2018-2019	8	0	5.3	10.5	15.8	09/04/19	5.9	15.3	23.9	0	--	--	--	L
Temperature, degrees Celsius November-March	1994-2017	67	0	-0.1	1.6	7.6	03/28/96	0.0	5.3	13.0	0	--	--	--	L
Temperature, degrees Celsius November-March	2018-2019	4	0	0.1	NC	6.5	03/13/18	NC	NC	13.0	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2002	2	0	1.2	NC	6.4	08/06/02	NC	NC	--	--	--	--	--	--
Residue, in milligrams per liter	1995-1998	9	0	93.0	164	196	09/12/96	97.5	193	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	1995-2002	17	0	87.4	170	204	09/04/02	95.0	195	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2002	33	0	74.8	140	178	09/04/02	82.9	158	--	--	.	--	--	--
Calcium, in milligrams per liter	1995-2002	33	0	24.0	44.0	55.9	09/04/02	26.1	49.7	--	--	.	--	0.012	--
Magnesium, in milligrams per liter	1995-2002	33	0	3.6	7.3	9.3	09/04/02	4.3	8.2	--	--	.	--	0.0080	--
Potassium, in milligrams per liter	1995-2002	17	0	0.50	1.0	1.2	09/04/02	0.67	1.1	--	--	.	--	0.11	--
Sodium, in milligrams per liter	1995-2002	17	0	1.4	4.1	5.1	03/28/96	1.8	4.9	--	--	.	--	0.090	--
Acid neutralizing capacity, in milligrams per liter	1995-1998	15	0	70.0	118	147	09/12/96	73.2	140	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2002	2	0	150	NC	158	09/04/02	NC	NC	--	--	.	--	1.0	--
Alkalinity, inflection-point titration, in milligrams per liter	1998	3	0	117	NC	149	11/19/97	NC	NC	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	1998	3	0	126	NC	182	11/19/97	NC	NC	--	--	.	--	--	--
Carbonate, in milligrams per liter	1998	2	0	6.0	NC	8.0	03/18/98	NC	NC	--	--	.	--	--	--
Chloride, in milligrams per liter	1995-2002	17	0	0.30	1.1	2.2	03/18/98	0.40	1.8	250	0	.	--	0.33	L
Fluoride, in milligrams per liter	1995-1998	15	4	0 *	0.15	0.20	03/25/95	0 *	0.20	--	--	.	--	--	--
Silica, in milligrams per liter	1995-2002	17	0	4.9	6.8	9.2	09/04/02	5.4	8.0	--	--	.	--	0.13	--
Sulfate, in milligrams per liter	1995-2002	17	0	10.0	28.0	35.0	01/12/96	11.7	32.4	250	0	.	--	0.11	L
Ammonia plus organic nitrogen in milligrams per liter as N	1995-2017	141	35	0 *	0.103	0.510	05/21/08	0 *	0.169	--	--	--	--	0.070	--
Ammonia plus organic nitrogen in milligrams per liter as N	2018-2019	12	2	0 *	0.107	0.528	06/06/19	0 *	0.405	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1994-2017	147	104	0 *	0 *	0.040	11/20/96	0 *	0.012	1.47	0	3.16	0	0.010	L
Ammonia, in milligrams per liter as N	2018-2019	12	10	0 *	0 *	0.026	06/06/19	0 *	0.016	1.52	0	3.21	0	0.010	L
Nitrite plus nitrate in milligrams per liter as N	1994-2017	146	16	0 *	0.056	0.283	04/16/03	0.011	0.108	--	--	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	3	0 *	0.042	0.279	04/24/19	0 *	0.148	--	--	10.0	0	0.010	--
Nitrite, in milligrams per liter as N	1994-2017	147	79	0 *	0 *	0.030	11/20/96	0 *	0.002	--	--	0.05	0	0.0010	--
Nitrite, in milligrams per liter as N	2018-2019	12	7	0 *	0 *	0.002	09/04/19	0 *	0.002	--	--	0.05	0	0.0010	--
Orthophosphate, in milligrams per liter as P	1994-2017	146	112	0 *	0 *	0.020	06/03/98	0 *	0.004	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2018-2019	12	8	0 *	0 *	0.005	09/04/19	0 *	0.004	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1994-2002	58	42	0 *	0 *	0.030	08/18/94	0 *	0.005	--	--	--	--	0.0044	--
Phosphorus (total), in milligrams per liter as P	1995-2017	141	23	0 *	0.008	0.166	05/21/08	0 *	0.023	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter as P	2018-2019	12	1	0 *	0.008	0.160	06/06/19	0.004	0.086	--	--	--	--	0.0040	--
<i>Escherichia coli</i> , in colonies per 100 milliliters	1994-2017	111	40	1	3	300	10/26/95	--	5 **	126	3	--	--	1	L
<i>Escherichia coli</i> , in colonies per 100 milliliters	2018-2019	11	5	1	1	100	06/06/19	--	3 **	126	0	--	--	1	L
Biomass periphyton, ashfree drymass, in grams per square meter	1998-2016	18	2	0 *	13.0	59.4	03/18/98	2.64	34.0	--	--	--	--	0.10	--
Biomass periphyton, ashfree drymass, in grams per square meter	2019	2	0	2.40	NC	31.3	10/23/18	NC	NC	--	--	--	--	0.70	--
Periphyton, biomass, ash weight, in grams per square meter	1998-2016	18	0	75.6	393	977	08/27/03	128	641	--	--	--	--	0.10	--
Periphyton, biomass, ash weight, in grams per square meter	2019	2	0	68.1	NC	313	10/23/18	NC	NC	--	--	--	--	0.70	--
Periphyton, biomass, dry weight, in grams per square meter	1998-2016	18	0	80.0	403	994	08/27/03	179	691	--	--	--	--	0.10	--
Periphyton, biomass, dry weight, in grams per square meter	2019	2	0	70.6	NC	345	10/23/18	NC	NC	--	--	--	--	0.70	--
Chlorophyll a, periphyton, chromofluoro, in milligrams per square meter	1998-2017	19	0	2.40	15.0	40.6	03/18/98	9.23	30.4	--	--	--	--	0.10	--
Chlorophyll a, periphyton, chromofluoro, in milligrams per square meter	2019	2	0	6.38	NC	56.5	10/23/18	NC	NC	--	--	--	--	0.10	--
Pheophytin a, periphyton, in milligrams per square meter	2001-2017	17	0	2.67	6.81	16.4	08/06/14	4.08	12.2	--	--	--	--	0.10	--
Pheophytin a, periphyton, in milligrams per square meter	2019	2	0	1.28	NC	26.2	10/23/18	NC	NC	--	--	--	--	0.10	--
Aluminum, in micrograms per liter	1995-2000	23	13	0 *	0 *	50.0	06/13/95	0 *	26.7	--	--	.	--	--	--
Barium, in micrograms per liter	1996	1	0	86.0	NC	86.0	09/12/96	NC	NC	--	--	.	--	--	--
Cadmium, in micrograms per liter	1994-2000	28	25	0 *	0 *	0.13	08/30/00	0 *	0 *	0.93	0	2.5	0	--	L
Chromium, in micrograms per liter	1996	1	1	0 *	NC	0 *	09/12/96	NC	NC	--	--	.	--	--	--
Cobalt, in micrograms per liter	1996	1	1	0 *	NC	0 *	09/12/96	NC	NC	--	--	.	--	--	--
Copper, in micrograms per liter	1994-2000	28	20	0 *	0 *	3.0	05/31/94	0 *	1.3	12.0	0	18.5	0	--	L
Iron, in micrograms per liter	1995-2002	19	5	0 *	10.1	40.0	07/13/95	0 *	34.1	300	0	.	--	10.0	L
Lead, in micrograms per liter	1994-2000	28	28	0 *	0 *	0 *	11/17/93	0 *	0 *	3.6	0	93.4	0	--	L
Manganese, in micrograms per liter	1994-2000	26	9	0 *	3.8	22.7	04/21/99	0 *	10.0	1,848	0	3,344	0	--	L
Nickel, in micrograms per liter	1996	1	1	0 *	NC	0 *	09/12/96	NC	NC	69.4	0	625	0	--	NC
Silver, in micrograms per liter	1994-2000	20	20	0 *	0 *	0 *	11/17/93	0 *	0 *	0.13	0	3.6	0	--	L
Zinc, in micrograms per liter	1994-2000	28	19	0 *	0 *	24.9	04/21/99	0 *	16.9	165	0	218	0	--	L
Arsenic, in micrograms per liter	1996	1	1	0 *	NC	0 *	09/12/96	NC	NC	--	--	340	0	--	--
Selenium, in micrograms per liter	1994-1996	12	12	0 *	0 *	0 *	11/17/93	0 *	0 *	4.6	0	18.4	0	--	L
Organic carbon, in milligrams per liter	1998	2	0	0.90	NC	0.90	03/18/98	NC	NC	--	--	.	--	--	--
Suspended sediment, in milligrams per liter	1995-2000	26	1	0 *	5	205	10/26/95	2	79	--	--	--	--	--	--