

OCTOBER 2024

<u>Description</u>	Copella @ Bushkill Center Rd Bridge #25	Hahn & Clearfield Rd. Bridge #26	Main Stem Douglassville #3	Sober Run West #14A	Sober Run North #15	Main Stem Jacobsburg Bridge #16	Englers Run #8A	Main Stem Filetown Rd #6	Main Stem Rt. 191 above Quarry #12	Main Stem Uhler Bridge Tatamy #13A	Little Bushkill West at Rt. 512 #10	Little Bushkill Getz Rd. #5	Little Bushkill Grand Central Rd. #17	Little Bushkill Rasleystown Rd. #18	Little Bushkill Jones Hill #30	Little Bushkill Main Stem - Edelman #4	Little Bushkill Engler Rd. Bridge #28	Little Bushkill Main Stem Saw Mill #20	Schoeneck at Nazareth HS 27A	Schoeneck Creek at Hollo Rd 27B	Schoeneck Creek at Bushkill Creek 27	Main Stem Penn Pump #7	Main Stem B&S Apartments Bridge #21	Main Stem Easton Cemetery Bridge #11	Pearl Street / Bushkill Drive Bridge #23
pH	7.0	7.0	7.5	7	7	7.5	7	7	7.5	8	7.2	8	7.2	7.5	7.5	7.8	7.8	7.8	D	8	8	8	8	8	8
Nitrates	0	0	0	4	4	4	4	0	0	9	0	4	0	4	4	9	9	9	R	18	18	18	18	18	18
Phosphates	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0.1	0.1	0	Y	0	0	0	0	0	0
Dissolved Oxygen	9.0	9.6	9.2	10.0	10.0	10.8	10	9.4	9.6	10.8	9.5	9.4	9.8	8.8	9.2	10.7	11.1	11.1		9.2	11	11	11.2	10.8	9.2
Alkalinity	32	44	68	X	X	60	64	60	64	124	85	104	86	72	84	88	86	84		180	184	168	190	200	180
Test Date	21	21	19	19	19	20	20	19	19	18	20	20	20	20	20	19	19	19		20	18	18	19	19	19
Air temp	22	21	18.9	24.2	22.1	21	23.5	19.4	19.1	17	15.1	11.9	11	10.1	11.4	15.0	14.0	14.0		12	19.5	16	11	9	10
Water temp	12.6	10.2	10.6	12.6	10.7	13.2	12.4	10.9	11.2	13.6	9.4	9.7	10.9	7.8	8.2	9.1	8.7	8.8		11.4	11.8	10.9	11.0	10.8	10.6
Conductivity uS	95	136	168	118	113	162	198	159	169	376	348	352	508	289	295	293	284	261		453	485	439	445	455	456
% Oxygen Saturation	87	88	85	96	93	103	94	87	89	106	84	85	90	78	80	94	96	96		86	109	102	104	100	85

Green is the main stem of the Bushkill Creek. The numbers in red are outside of the recommended range listed on the Water Sampling Report Form. This chart illustrates the effects of tributaries entering the main stem of the Bushkill Creek. On the left #25, the main stem of the Bushkill Creek that flows from north of route 512 area at Copella. Number 26, located south of route 512. Two branches of the Sober Run #14A, #15 will merge and enter the main stem in Jacobsburg Park. As the water flows downstream measurements are taken on the main stem at site #16. Englers Run #8A is a tributary that merges with the main stem. Measurements are taken on the main stem at sites #6, #12 & #13A. Sites #12 is upstream of Hercules Cement and site #13A is downstream of Hercules Cement as well as the connection of the Stockertown sewer line with the Forks Twp sewer line. Sites #10, a west tributary of the Little Bushkill and is measured above the Wind Gap sewer plant at route 512. Site 5 is receiving water from site #10 and is measured before it merges with the east tributary of the Little Bushkill. Site #17, east tributary of the Little Bushkill and is measured below the Grand Central land fill. Site #18 is receiving water from the site #17 and measured before it merges with the west branch of the Little Bushkill. Site #4 is measured after the two tributaries of the Little Bushkill have merged. Site #28 is measured between #4 & #20 to pick up any possible issues. Site # 20 is measured upstream of Stockertown. Schoeneck Creek site #27 is measured just prior to entering the main stem of the Bushkill Creek. Site 7 and 21 measured the main stem of the Bushkill Creek. Site #11 measured at Easton Cemetery Bridge and Site 23 checks the values after the Easton maintenance garage area in Easton at Bushkill Drive Bridge. See

www.bushkill.org for the site map + additional X - Not tested due to supply shortage.