

## AUGUST 2024

		<u>Description</u>																				
pH	7	7	Y	7	7	7.5	7	7.5	7.5	8	7	7.5	7	7.5	7.5	8	8	8	D	8	P	
Nitrates	0	0		4	4	X	X	0	0	9	0	4	0	4	4	4	4	R	18	18	9	
Phosphates	0	0		0	0	X	X	0	0	X	0	0	0	0	0	0	Y	0	X	0	0	
Dissolved Oxygen	6.9	7.0		10.0	9.6	8.6	8.8	8.4	8	9	6.5	9.6	7	8.6	8.8	9.1	9.2	9.4	8.7	9.2	9.4	
Alkalinity	X	X		X	X	X	X	X	X	128	X	88	X	68	80	84	81	76	196	184	X	
Test Date	19	19		16	16	18	18	17	17	17	17	17	17	17	17	17	17	17	18	17	17	
Air temp	25.5	24.0		34.3	32.0	26	26.5	23.9	24.4	12	24	23.5	22.2	24.3	25.6	27.0	25.0	24.0	25	11	20.5	
Water temp	21.5	20.5		22.0	22.0	21.9	20.8	21.3	21.9	17.2	20.1	21.2	20.2	20.3	21	21.4	20.9	21.0	13.4	14.5	16.9	
Conductivity uS	90.1	109		159	222	202	238	218	229	379	391	498	549	387	399	382	366	333	500	536	471	498
% Oxygen Saturation	80	80		120	114	106	109	99	96	96	75	110	81	100	103	106	105	109	85	92	100	108

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](http://www.bushkill.org) for the site map + additional X - Not tested due to supply shortage-on backorder with LaMotte. Y - Bridge construction, site not accessible. P - Unable to park anywhere near Penn Pump