

JULY 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		#16																	
		Englers Run		#8A																	
pH	7	7	Y	7	7	7.2	7	7.5	8	8	7	7	7	7	7.5	B	D	8.5	8.5		
Nitrates	0	0		0	0	0	0	0	0	9	0	4	0	4		R	18	9	4		
Phosphates	0	0		0	0	0	0	0	0	0	0.2	0	0	0		Y	0	0	0	0	
Dissolved Oxygen	7.9	8.4		8.0	6.8	9.2	9.2	7.8	7.4	9.6	7.6	8.6	7.2	8.4	8		9.2	9.4	9.2	11.2	
Alkalinity	36	45		X	X	X	X	X	X	128	X	104	X	64	72		194	188	168	X	X
Test Date	20/2 4	20/2 4		18	18	20	20	20	20	19	21	20	21	20	20		21	19	19	21	21
Air temp	28.0	28.0		25.4	24.4	24	24.5	26.1	27.7	23	29.1	27.9	26.2	22.1	20.5		31	24	24	31.5	29.0
Water temp	22.2	22.8		23.3	21.9	21.7	19.4	22.7	23.9	17.1	21	20.4	21.9	19.1	19.9		14.5	14.1	15.5	19.1	19.4
Conductivity uS	108	164		138	125	177	237	206	228	393	440	446	476	314	351		492	515	474	533	549
% Oxygen Saturation	95	100		96	82	109	103	96	92	102	90	98	85	93	93		92	94	94	125	110
																					119

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-on backorder with LaMotte. B - Tester not available. Y - Bridge construction, sit not accessible.