

Fairfax County 2018 MS4 Program Plan and Annual Report

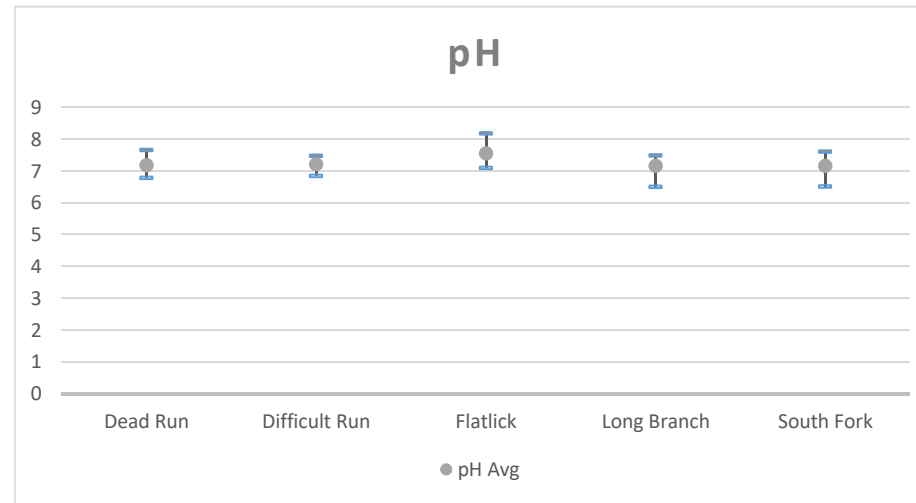
# Appendix R18

In-Stream Monitoring Report

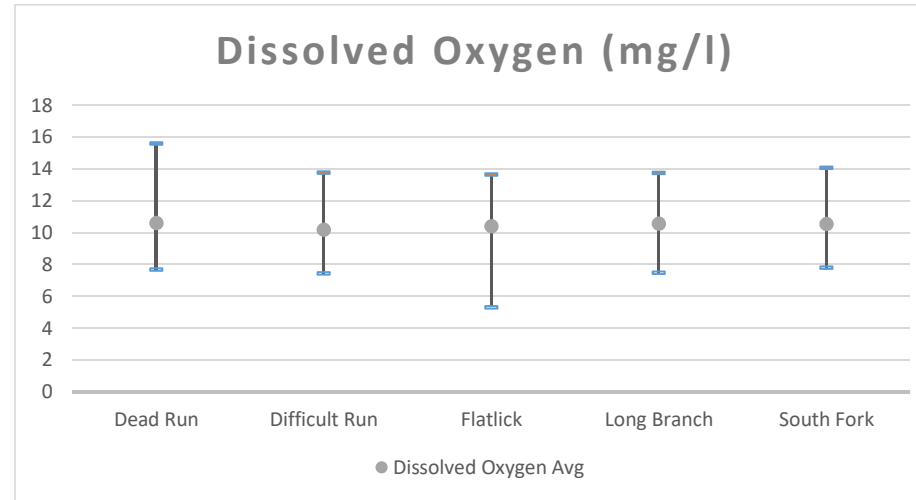
VSMP Permit Number VA0088587  
9-28-2018

The in-stream monitoring sites began monitoring during reporting period 2017, trends will be evaluated in the future when sufficient data has been gathered.

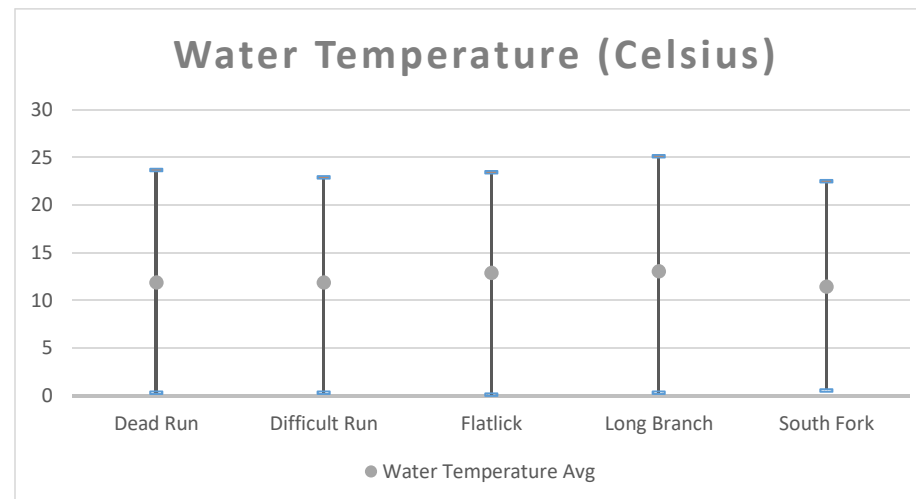
	pH		
	Min	Max	Avg
Dead Run	6.78	7.66	7.189167
Difficult Run	6.84	7.48	7.211667
Flatlick	7.09	8.18	7.561667
Long Branch	6.5	7.49	7.166667
South Fork	6.51	7.61	7.1675



	Dissolved Oxygen		
	Min	Max	Avg
Dead Run	7.68	15.61	10.6025
Difficult Run	7.43	13.78	10.18667
Flatlick	5.31	13.66	10.4075
Long Branch	7.48	13.76	10.57333
South Fork	7.79	14.07	10.545

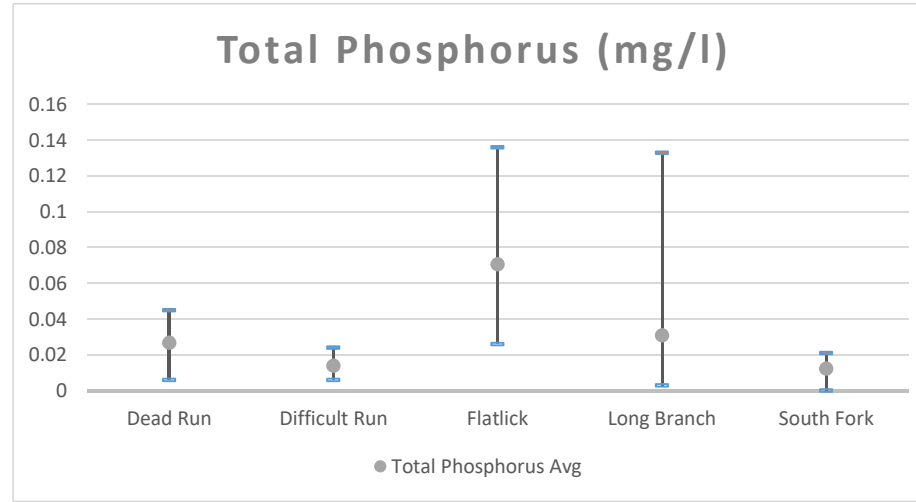


	Water Temperature		
	Min	Max	Avg
Dead Run	0.305	23.66	11.87483
Difficult Run	0.33	22.89	11.89633
Flatlick	0.106	23.43	12.904
Long Branch	0.306	25.11	13.07458
South Fork	0.55	22.48	11.45808

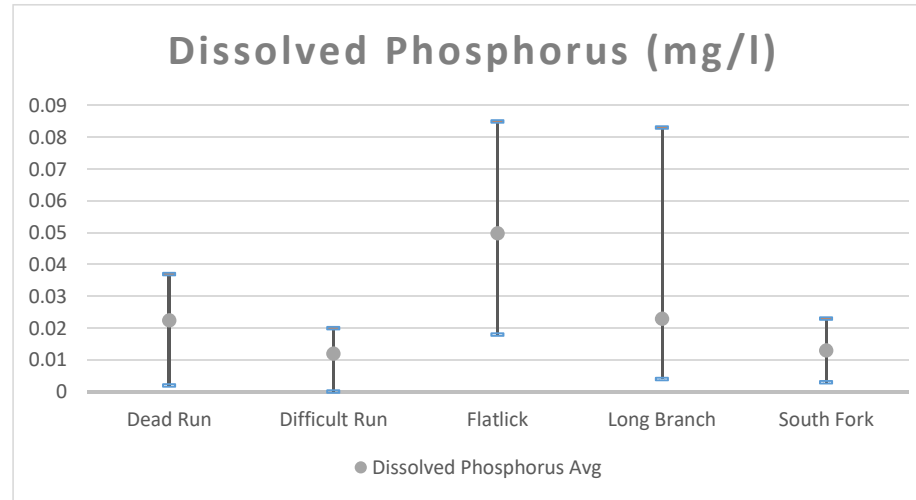


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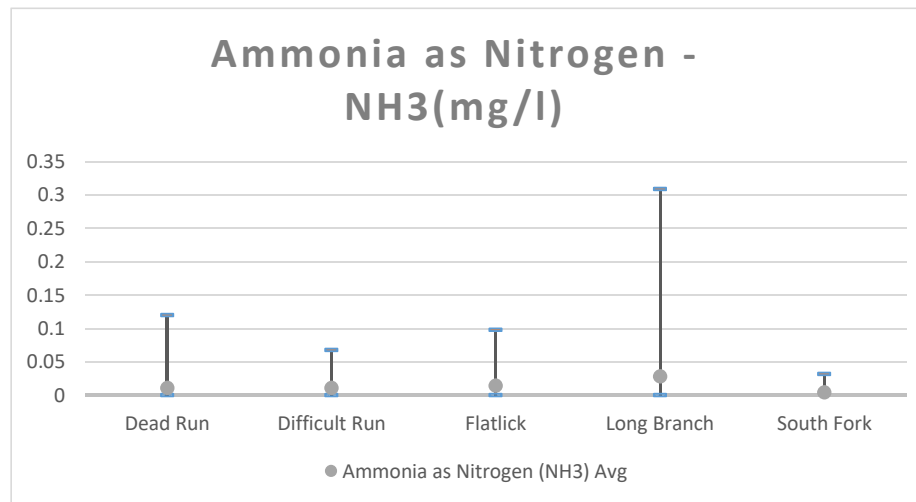
	Total Phosphorus		
	Min	Max	Avg
Dead Run	0.006	0.045	0.026833
Difficult Run	0.006	0.024	0.014083
Flatlick	0.026	0.136	0.07075
Long Branch	0.003	0.133	0.031083
South Fork	0	0.021	0.012417



	Dissolved Phosphorus		
	Min	Max	Avg
Dead Run	0.002	0.037	0.0225
Difficult Run	0	0.02	0.012
Flatlick	0.018	0.085	0.049833
Long Branch	0.004	0.083	0.023
South Fork	0.003	0.023	0.013

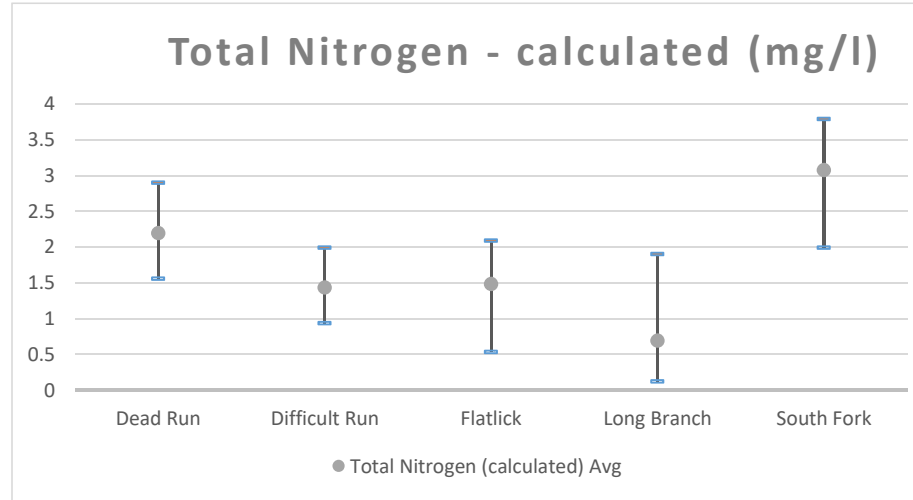


	Ammonia as Nitrogen (NH3)		
	Min	Max	Avg
Dead Run	0	0.12	0.011083
Difficult Run	0	0.068	0.011333
Flatlick	0	0.098	0.0145
Long Branch	0	0.309	0.028417
South Fork	0	0.032	0.00475

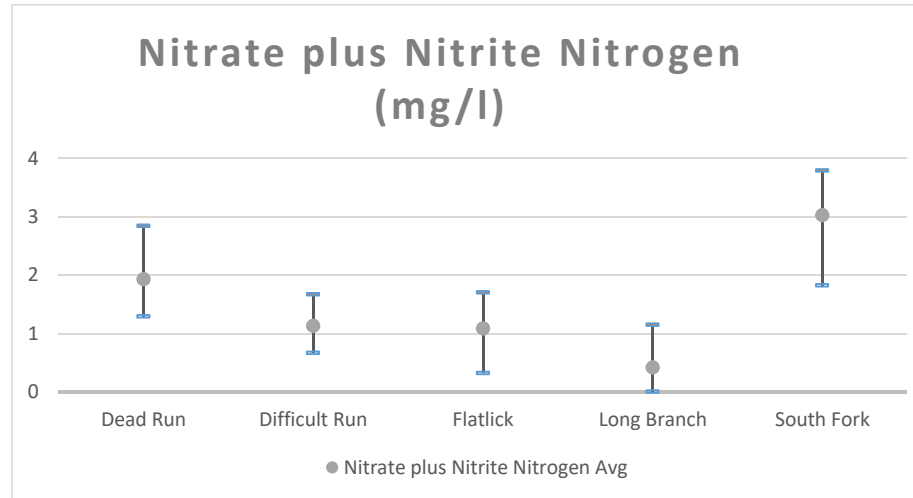


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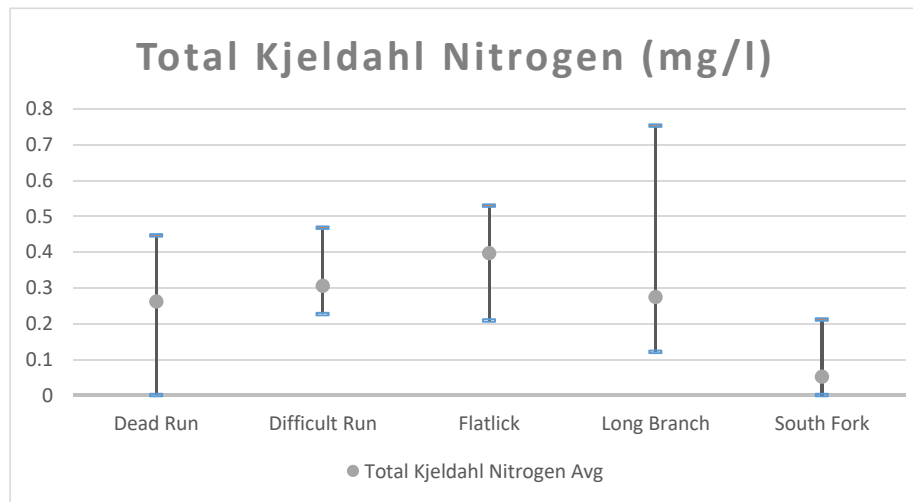
	Total Nitrogen (calculated)		
	Min	Max	Avg
Dead Run	1.56	2.9	2.195833
Difficult Run	0.937	1.99	1.437417
Flatlick	0.532	2.09	1.48725
Long Branch	0.121	1.9	0.696167
South Fork	1.99	3.79	3.078333



	Nitrate plus Nitrite Nitrogen		
	Min	Max	Avg
Dead Run	1.29	2.84	1.934167
Difficult Run	0.664	1.67	1.130917
Flatlick	0.319	1.7	1.088583
Long Branch	0	1.15	0.421583
South Fork	1.82	3.79	3.026667

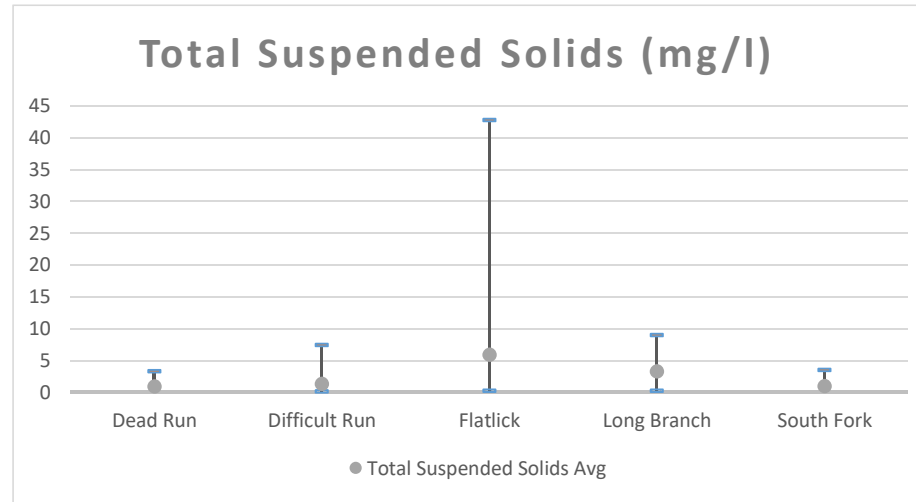


	Total Kjeldahl Nitrogen		
	Min	Max	Avg
Dead Run	0	0.447	0.262083
Difficult Run	0.227	0.468	0.306167
Flatlick	0.209	0.53	0.3975
Long Branch	0.121	0.753	0.274833
South Fork	0	0.211	0.052333



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	Total Suspended Solids		
	Min	Max	Avg
Dead Run	0.2	3.3	0.95
Difficult Run	0.1	7.4	1.341667
Flatlick	0.2	42.8	5.9
Long Branch	0.2	9	3.275
South Fork	0.2	3.5	0.991667



	Escherichia coli		
	Min	Max	Avg
Dead Run	2	504	129.8333
Difficult Run	8	164	57.58333
Flatlick	12	324	139.9167
Long Branch	9	369	144.0833
South Fork	3	192	53

