2017 Stream Monitoring Results

Testing Location	Test	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
Riparian Park	DissolvedOxygen (mg/l)	16.50	16.50	16.50	11.20	13.40	16.50	16.50	9.00	9.20	9.10	16.50	16.00	13.91
Trout Hatchery #2 (below discharge pipe)	DissolvedOxygen (mg/l)	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	10.70	16.02
Trout Hatchery #1 (above bridge)	DissolvedOxygen (mg/l)	11.60	16.50	14.80	12.60	9.30	16.50	16.50	16.50	16.50	16.50	16.50	11.40	14.60
New Street Park (Santo Domingo)	DissolvedOxygen (mg/l)	16.50	16.50	16.50	13.00	9.10	16.50	16.50	16.50	16.50	12.60	14.90	N/A	15.01
Lititz Springs Park	DissolvedOxygen (mg/l)	16.50	16.50	16.50	4.90	16.50	16.50	16.50	5.30	5.00	6.20	16.50	16.50	12.78
Market Street (by Linear Park volleyball court)	DissolvedOxygen (mg/l)	16.50	N/A	16.50	14.00	11.20	N/A	16.50	16.50	16.50	N/A	N/A	N/A	15.39
East Newport Road	DissolvedOxygen (mg/l)	16.50	16.50	16.50	16.50	16.50	11.80	16.50	8.60	16.50	11.20	15.20	16.50	14.90
West Newport Road	DissolvedOxygen (mg/l)	16.50	15.70	12.40	16.50	16.50	16.50	11.30	12.60	16.50	11.20	11.50	15.00	14.35
Rock Lititz (Bomberger Run)	DissolvedOxygen (mg/l)	16.50	16.50	13.20	16.50	16.50	16.50	16.50	16.50	10.40	16.50	16.50	15.00	15.59
Old Pike Bridge	DissolvedOxygen (mg/l)	16.50	16.50	16.50	12.90	16.50	9.60	8.40	16.50	16.50	16.50	16.50	13.70	14.72
Snavely's Mill	DissolvedOxygen (mg/l)	16.50	16.50	16.50	16.50	16.50	9.70	8.60	16.50	8.60	16.50	15.40	16.50	14.53
Carpenter Road Bridge	DissolvedOxygen (mg/l)	16.50	16.50	16.50	16.50	16.50	9.40	7.40	16.50	16.50	12.60	13.70	16.50	14.59
Moore's Run #2 (Brunnerville Road)	DissolvedOxygen (mg/l)	16.50	16.50	13.00	16.50	16.50	16.50	8.00	16.50	16.50	16.50	12.20	16.50	15.14
Moore's Run #1 (Newport Road)	DissolvedOxygen (mg/l)	13.30	16.50	16.50	12.70	16.50	16.50	16.50	9.50	16.50	16.50	16.50	14.60	15.18
Huber's Run (Newport Road & Brunnerville Road)	DissolvedOxygen (mg/l)	16.50	14.30	16.50	16.50	16.50	16.50	8.20	16.50	12.30	11.10	16.50	16.50	14.83
Log Cabin Bridge	DissolvedOxygen (mg/l)	44.09	16.50	16.50	11.20	16.00	7.90	N/A	16.50	16.50	10.60	16.50	13.80	16.92
New Haven Run (Millport Road)	DissolvedOxygen (mg/l)	45.00	16.50	16.50	11.50	16.50	16.50							20.42
New Haven Run (East Woods Drive)	DissolvedOxygen (mg/l)							8.40	16.50	9.00	16.50	13.00	16.50	13.32
New Haven Run (Canterbury Court)	DissolvedOxygen (mg/l)							16.50	9.70	16.50	11.40	16.50	16.50	14.52
New Haven Run (Landis Valley Road)	DissolvedOxygen (mg/l)	12.80	16.50	16.50	11.60	9.30	16.50	6.70	12.60	16.50	16.50	11.90	13.10	13.38
MonthlyAvg.	DissolvedOxygen (mg/l)	18.96	16.32	15.80	13.76	14.79	14.49	12.89	13.96	14.16	13.58	15.16	15.02	14.91

2017 Stream Monitoring Results

Testing Location	Test	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
Riparian Park	Nitrates (mg/l)	4.70	7.70	7.70	8.30	4.40	6.10	6.40	5.90	3.30	3.70	4.70	2.90	5.48
Trout Hatchery #2 (below discharge pipe)	Nitrates (mg/l)	7.10	8.00	7.70	3.50	6.30	6.10	6.80	4.00	4.80	8.00	4.90	6.70	6.16
Trout Hatchery #1 (above bridge)	Nitrates (mg/l)	6.60	8.80	8.70	7.20	6.30	4.80	5.60	4.30	6.00	4.90	7.30	6.40	6.41
New Street Park (Santo Domingo)	Nitrates (mg/l)	6.60	8.80	5.70	7.70	35.00	6.20	1.30	2.40	2.90	3.00	5.80	N/A	7.76
Lititz Springs Park	Nitrates (mg/l)	7.80	10.00	9.40	10.80	6.00	7.50	8.50	6.80	7.70	7.60	9.50	7.60	8.27
Market Street (by Linear Park volleyball court)	Nitrates (mg/l)	7.00	N/A	5.00	8.80	2.70	N/A	2.90	2.10	2.50	N/A	N/A	N/A	4.43
East Newport Road	Nitrates (mg/l)	7.40	5.50	8.50	5.70	7.10	6.30	2.50	4.10	5.70	4.30	4.50	6.20	5.65
West Newport Road	Nitrates (mg/l)	4.60	7.30	6.80	2.60	3.40	2.20	4.50	2.60	5.00	3.60	6.80	3.30	4.39
Rock Lititz (Bomberger Run)	Nitrates (mg/l)	7.40	6.50	7.40	7.90	3.70	2.40	2.10	3.20	4.40	2.50	4.30	5.60	4.78
Old Pike Bridge	Nitrates (mg/l)	4.00	6.20	3.40	4.30	3.80	3.80	3.60	2.30	3.20	4.30	4.30	4.20	3.95
Snavely's Mill	Nitrates (mg/l)	4.40	5.80	3.10	5.10	0.90	3.50	3.70	3.10	6.00	2.90	4.10	3.70	3.86
Carpenter Road Bridge	Nitrates (mg/l)	5.30	4.40	4.00	4.40	3.90	2.50	3.70	3.70	5.70	3.60	3.70	2.80	3.98
Moore's Run #2 (Brunnerville Road)	Nitrates (mg/l)	8.90	8.30	12.20	9.70	6.70	4.80	1.50	4.00	3.30	6.30	5.90	7.40	6.58
Moore's Run #1 (Newport Road)	Nitrates (mg/l)	6.50	7.40	5.20	5.70	4.30	3.50	4.00	4.70	4.40	3.00	5.10	4.90	4.89
Huber's Run (Newport Road & Brunnerville Road)	Nitrates (mg/l)	10.50	9.80	8.90	11.70	7.60	6.60	2.80	3.80	4.30	3.10	6.80	6.60	6.88
Log Cabin Bridge	Nitrates (mg/l)	6.80	5.50	4.00	4.10	3.80	3.60	N/A	4.70	6.30	3.00	3.80	9.30	4.99
New Haven Run (Millport Road)	Nitrates (mg/l)	4.70	3.60	4.20	3.60	1.80	1.00							3.15
New Haven Run (East Woods Drive)	Nitrates (mg/l)							0.90	1.70	0.40	1.30	1.30	2.10	1.28
New Haven Run (Canterbury Court)	Nitrates (mg/l)							1.30	1.90	2.90	3.00	1.80	2.10	2.17
New Haven Run (Landis Valley Road)	Nitrates (mg/l)	4.20	2.80	3.40	3.10	1.50	2.30	1.30	1.50	1.60	2.70	2.30	2.30	2.42
MonthlyAvg.		6.36	6.85	6.58	6.34	6.07	4.31	3.52	3.52	4.23	3.93	4.83	4.95	5.12

2017 Stream Monitoring Results

Testing Location	Test	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
Riparian Park	Phosphates (mg/l)	0.35	0.20	0.23	0.12	0.16	0.70	0.69	0.76	0.37	0.25	0.36	0.24	0.37
Trout Hatchery #2 (below discharge pipe)	Phosphates (mg/l)	0.33	0.17	0.26	0.21	0.80	0.06	0.23	0.21	0.22	0.18	0.26	0.13	0.26
Trout Hatchery #1 (above bridge)	Phosphates (mg/l)	0.19	0.23	0.23	0.10	0.10	0.17	0.22	0.23	0.29	0.20	0.07	0.19	0.19
New Street Park (Santo Domingo)	Phosphates (mg/l)	0.20	0.21	0.22	0.09	0.28	0.36	0.53	0.30	0.43	0.23	0.16	N/A	0.27
Lititz Springs Park	Phosphates (mg/l)	0.23	0.23	0.17	0.17	0.08	0.12	0.32	0.27	0.27	0.17	0.15	0.17	0.20
Market Street (by Linear Park volleyball court)	Phosphates (mg/l)	0.49	N/A	0.16	0.18	0.07	N/A	0.20	0.30	0.37	N/A	N/A	N/A	0.25
East Newport Road	Phosphates (mg/l)	0.17	0.30	0.27	0.23	0.80	0.10	0.21	0.29	0.62	0.24	0.21	0.23	0.31
West Newport Road	Phosphates (mg/l)	0.32	0.29	0.18	2.75	0.23	0.42	0.72	0.32	0.33	0.46	0.25	0.19	0.54
Rock Lititz (Bomberger Run)	Phosphates (mg/l)	0.37	0.60	0.30	2.75	0.25	0.44	0.72	0.61	0.45	0.37	0.29	0.20	0.61
Old Pike Bridge	Phosphates (mg/l)	0.34	0.09	0.15	0.27	0.90	0.11	0.10	0.18	0.18	0.23	0.08	0.09	0.23
Snavely's Mill	Phosphates (mg/l)	0.27	0.17	0.16	0.15	0.70	0.15	0.19	0.36	0.21	0.45	0.18	0.11	0.26
Carpenter Road Bridge	Phosphates (mg/l)	0.26	0.16	0.12	0.14	0.11	0.16	0.22	0.31	0.28	0.21	0.13	0.17	0.19
Moore's Run #2 (Brunnerville Road)	Phosphates (mg/l)	0.13	0.14	0.12	0.19	0.34	0.14	0.16	2.70	0.26	0.22	0.18	0.18	0.40
Moore's Run #1 (Newport Road)	Phosphates (mg/l)	0.19	0.09	0.15	0.12	0.24	0.20	0.73	0.39	0.36	0.31	0.20	0.14	0.26
Huber's Run (Newport Road & Brunnerville Road)	Phosphates (mg/l)	0.21	0.12	2.40	0.15	0.23	0.20	0.17	0.27	0.35	0.25	0.15	0.15	0.39
Log Cabin Bridge	Phosphates (mg/l)	0.35	0.18	0.18	0.13	0.33	0.34	N/A	0.26	0.64	0.64	0.21	0.15	0.31
New Haven Run (Millport Road)	Phosphates (mg/l)	0.16	0.05	0.12	0.09	0.11	0.17							0.12
New Haven Run (East Woods Drive)	Phosphates (mg/l)							0.17	0.20	0.35	0.29	0.13	0.14	0.21
New Haven Run (Canterbury Court)	Phosphates (mg/l)							0.28	0.20	0.08	0.30	0.11	0.33	0.22
New Haven Run (Landis Valley Road)	Phosphates (mg/l)	0.10	0.11	0.14	0.09	0.24	0.14	0.39	0.51	0.30	0.28	0.14	0.16	0.22
MonthlyAvg.	Phosphates (mg/l)	0.26	0.20	0.31	0.44	0.33	0.23	0.35	0.46	0.33	0.29	0.18	0.17	0.30

2017 Stream Monitoring Results

Testing Location	Test	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
Riparian Park	Water Temp (˚F)	47	52	54	60	57	65	66	65	63	56	53	51	57.42
Trout Hatchery #2 (below discharge pipe)	Water Temp (˚F)	47	52	53	59	56	63	65	62	60	53	51	48	55.75
Trout Hatchery #1 (above bridge)	Water Temp (˚F)	47	52	53	60	56	63	65	63	60	54	52	48	56.08
New Street Park (Santo Domingo)	Water Temp (˚F)	41	49	52	64	57	77	76	78	77	52	44	N/A	60.64
Lititz Springs Park	Water Temp (˚F)	52	53	53	54	53	55	55	55	55	52	52	52	53.42
Market Street (by Linear Park volleyball court)	Water Temp (˚F)	43	N/A	52	66	57	N/A	78	74	76	N/A	N/A	N/A	63.71
East Newport Road	Water Temp (˚F)	40	42	48	60	56	70	71	68	69	51	47	41	55.25
West Newport Road	Water Temp (˚F)	38	42	46	56	57	70	70	67	65	48	44	43	53.83
Rock Lititz (Bomberger Run)	Water Temp (˚F)	38	42	46	58	58	73	73	68	67	50	43	38	54.50
Old Pike Bridge	Water Temp (˚F)	39	45	48	59	62	75	77	74	70	54	45	38	57.17
Snavely's Mill	Water Temp (˚F)	38	43	47	58	61	75	76	73	69	53	44	38	56.25
Carpenter Road Bridge	Water Temp (˚F)	38	41	46	57	60	74	75	71	68	51	40	38	54.92
Moore's Run #2 (Brunnerville Road)	Water Temp (˚F)	39	40	44	55	56	68	72	65	64	49	40	39	52.58
Moore's Run #1 (Newport Road)	Water Temp (˚F)	36	38	44	51	56	69	70	65	65	49	40	37	51.67
Huber's Run (Newport Road & Brunnerville Road)	Water Temp (˚F)	37	40	46	56	57	71	72	67	67	49	40	38	53.33
Log Cabin Bridge	Water Temp (˚F)	37	41	48	53	59	72	N/A	66	67	51	40	37	51.91
New Haven Run (Millport Road)	Water Temp (˚F)	33	37	43	52	56	73							49.00
New Haven Run (East Woods Drive)	Water Temp (˚F)							73	67	65	48	38	37	54.67
New Haven Run (Canterbury Court)	Water Temp (˚F)							70	66	65	50	41	40	55.33
New Haven Run (Landis Valley Road)	Water Temp (˚F)	34	37	43	50	56	70	71	67	66	48	38	35	51.25
MonthlyAvg.	Water Temp (˚F)	40.22	43.88	48.11	57.11	57.22	69.59	70.83	67.42	66.21	51.00	44.00	41.06	54.72

2017 Stream Monitoring Results

Testing Location	Test	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
Riparian Park	Air Temp (˚F)	33	53	52	70	64	84	90	85	88	58	60	43	65.00
Trout Hatchery #2 (below discharge pipe)	Air Temp (˚F)	31	54	47	69	64	84	84	83	85	54	57	43	62.92
Trout Hatchery #1 (above bridge)	Air Temp (˚F)	31	54	47	69	64	84	84	83	85	54	57	43	62.92
New Street Park (Santo Domingo)	Air Temp (˚F)	34	54	50	68	62	87	87	83	88	56	56	N/A	65.91
Lititz Springs Park	Air Temp (˚F)	39	47	47	70	64	85	81	82	86	50	51	41	61.92
Market Street (by Linear Park volleyball court)	Air Temp (˚F)	32	N/A	50	68	65	N/A	85	87	87	N/A	N/A	N/A	67.71
East Newport Road	Air Temp (˚F)	37	46	47	68	64	84	84	87	85	53	51	42	62.33
West Newport Road	Air Temp (˚F)	34	48	47	65	61	86	83	80	85	51	55	38	61.08
Rock Lititz (Bomberger Run)	Air Temp (˚F)	32	46	44	60	59	91	80	87	88	51	53	43	61.17
Old Pike Bridge	Air Temp (˚F)	37	42	44	60	61	82	77	77	80	54	52	40	58.83
Snavely's Mill	Air Temp (˚F)	32	41	48	60	60	83	80	79	81	52	48	38	58.50
Carpenter Road Bridge	Air Temp (˚F)	38	40	47	60	57	82	78	76	82	52	45	40	58.08
Moore's Run #2 (Brunnerville Road)	Air Temp (˚F)	35	40	46	62	57	84	77	80	81	49	46	40	58.08
Moore's Run #1 (Newport Road)	Air Temp (˚F)	36	37	40	57	54	81	76	74	79	56	44	39	56.08
Huber's Run (Newport Road & Brunnerville Road)	Air Temp (˚F)	33	37	46	60	57	83	77	78	80	50	46	40	57.25
Log Cabin Bridge	Air Temp (˚F)	26	34	40	52	60	81	N/A	70	68	43	43	33	50.00
New Haven Run (Millport Road)	Air Temp (˚F)	30	36	40	53	56	82							49.50
New Haven Run (East Woods Drive)	Air Temp (˚F)							76	76	70	45	43	36	57.67
New Haven Run (Canterbury Court)	Air Temp (˚F)							74	74	75	47	44	36	58.33
New Haven Run (Landis Valley Road)	Air Temp (˚F)	30	37	45	55	56	81	74	76	74	46	40	37	54.25
MonthlyAvg.	Air Temp (˚F)	33.33	43.88	45.94	62.56	60.28	83.76	80.39	79.84	81.42	51.17	49.50	39.53	59.30

2017 Stream Monitoring Results

Testing Location	Test	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
Riparian Park	Turbidity (NTUs)	7	12	8	6	22	15	16	12	12	12	16	16	12.83
Trout Hatchery #2 (below discharge pipe)	Turbidity (NTUs)	9	7	7	9	29	12	12	10	8	11	8	10	11.00
Trout Hatchery #1 (above bridge)	Turbidity (NTUs)	15	10	10	7	34	11	11	12	11	11	8	9	12.42
New Street Park (Santo Domingo)	Turbidity (NTUs)	15	14	11	9	N/A	N/A	19	18	20	11	13	N/A	14.44
Lititz Springs Park	Turbidity (NTUs)	8	8	5	6	7	9	6	19	7	8	10	6	8.25
Market Street (by Linear Park volleyball court)	Turbidity (NTUs)	27	N/A	18	8	26	N/A	18	15	23	N/A	N/A	N/A	19.29
East Newport Road	Turbidity (NTUs)	8	7	10	7	9	10	10	9	5	8	5	8	8.00
West Newport Road	Turbidity (NTUs)	4	12	8	76	9	13	16	8	8	9	7	8	14.83
Rock Lititz (Bomberger Run)	Turbidity (NTUs)	8	9	8	92	11	12	15	49	12	10	7	9	20.17
Old Pike Bridge	Turbidity (NTUs)	19	15	18	18	14	13	29	20	15	15	17	15	17.33
Snavely's Mill	Turbidity (NTUs)	21	15	19	13	14	16	27	16	11	12	15	13	16.00
Carpenter Road Bridge	Turbidity (NTUs)	16	12	19	12	14	15	38	11	12	12	12	10	15.25
Moore's Run #2 (Brunnerville Road)	Turbidity (NTUs)	13	13	27	15	11	13	21	11	13	12	4	9	13.50
Moore's Run #1 (Newport Road)	Turbidity (NTUs)	10	5	6	7	9	14	21	11	10	10	7	9	9.92
Huber's Run (Newport Road & Brunnerville Road)	Turbidity (NTUs)	17	13	15	12	10	11	15	9	8	8	7	9	11.17
Log Cabin Bridge	Turbidity (NTUs)	11	13	18	15	11	13	N/A	22	12	20	9	11	14.09
New Haven Run (Millport Road)	Turbidity (NTUs)	10	9	7	9	11	15							10.17
New Haven Run (East Woods Drive)	Turbidity (NTUs)							17	10	8	11	10	8	10.67
New Haven Run (Canterbury Court)	Turbidity (NTUs)							22	11	9	8	9	4	10.50
New Haven Run (Landis Valley Road)	Turbidity (NTUs)	11	12	10	8	14	15	32	16	13	12	9	9	13.42
MonthlyAvg.	Turbidity (NTUs)	12.72	10.94	12.44	18.28	15.00	12.94	19.17	15.21	11.42	11.11	9.61	9.59	13.20