

Lab Data Summary

Waterbody: **Basherkill**

Station: **2800-001**

Replicate: **A**

Collection Date: **9/21/2017**

Subsample size: **100**

WAA Lab ID: **720.3-001**

Order	Family	Final Determination	Total #	
AMPHIPODA	Gammaridae	Gammarus sp.	10	
COLEOPTERA	Elmidae	Optioservus sp.	6	
DIPTERA	Chironomidae	Cricotopus/Orthocladius Complex	1	
EPHEMEROPTERA	Baetidae	Plautitus sp.	1	
	Ephemerellidae	Ephemerella sp.	2	
	Heptageniidae	Maccaffertium sp.	4	
	Isonychiidae	Isonychia sp.	2	
MEGALOPTERA	Corydalidae	Nigronia serricornis	1	
MESOGASTROPODA	Hydrobiidae	Undetermined Hydrobiidae	40	
TRICHOPTERA	Apataniidae	Apatania sp.	1	
	Glossosomatidae	Glossosoma sp.	5	
	Hydropsychidae	Ceratopsyche sparna		2
		Cheumatopsyche sp.		16
		Hydropsyche betteni		7
	Leptoceridae	Ceraclea sp.	1	
Philopotamidae	Chimarra aterrima?	1		

Similarity Score

Natural:	30
Nutrient Additions:	39
Organic:	29
Complex:	31
Toxic:	30
Siltation:	35
Impoundment:	34

Metric Results

Taxa Richness:	16
EPT Richness:	11
Biotic Index:	5.87
PMA:	36
BAP Score:	5.08

Lab Data Summary

Waterbody: **Basherkill**

Station: **2800-008**

Replicate: **A**

Collection Date: **10/11/2017**

Subsample size: **100**

WAA Lab ID: **720.3-005**

Order	Family	Final Determination	Total #
AMPHIPODA	Gammaridae	Gammarus sp.	19
DIPTERA	Simuliidae	Simulium sp.	2
	Tipulidae	Tipula sp.	1
EPHEMEROPTERA	Heptageniidae	Maccaffertium sp.	6
	Isonychiidae	Isonychia sp.	1
TRICHOPTERA	Brachycentridae	Brachycentrus sp.	1
	Hydropsychidae	Ceratopsyche sparna	8
		Cheumatopsyche sp.	38
		Hydropsyche betteni	4
		Macrostemum sp.	7
Philopotamidae	Chimarra obscura	13	

Similarity Score

Natural: 29
Nutrient Additions: 53
Organic: 51
Complex: 50
Toxic: 40
Siltation: 37
Impoundment: 62

Metric Results

Taxa Richness: 11
EPT Richness: 8
Biotic Index: 4.9
PMA: 27
BAP Score: 4.33

Lab Data Summary

Waterbody: **Gold Creek**

Station: **2800-002**

Replicate: **A**

Collection Date: **9/21/2017**

Subsample size: **100**

WAA Lab ID: **720.3-002**

Order	Family	Final Determination	Total #	
AMPHIPODA	Gammaridae	Gammarus sp.	2	
COLEOPTERA	Elmidae	Stenelmis sp.	1	
DIPTERA	Chironomidae	Parametrioconemus sp.	1	
		Rheocricotopus sp.	1	
		Rheotanytarsus sp.	4	
		Tanytarsus sp.	1	
		Thienemannimyia gr. spp.	1	
		Tvetenia bavarica gr.	2	
		Empididae	Undetermined Empididae	1
		Simuliidae	Simulium sp.	9
		Tipulidae	Tipula sp.	1
ISOPODA	Asellidae	Caecidotea sp.	1	
MEGALOPTERA	Corydalidae	Nigronia serricornis	2	
TRICHOPTERA	Hydropsychidae	Ceratopsyche sparna	6	
		Cheumatopsyche sp.	25	
		Hydropsyche betteni	4	
		Philopotamidae	Chimarra aterrima?	37
TRICLADIDA		Undetermined Turbellaria	1	

Similarity Score

Natural:	34
Nutrient Additions:	61
Organic:	42
Complex:	60
Toxic:	40
Siltation:	43
Impoundment:	65

Metric Results

Taxa Richness:	18
EPT Richness:	4
Biotic Index:	4.88
PMA:	31
BAP Score:	5.12

Lab Data Summary

Waterbody: **Neversink River**

Station: **2800-005**

Replicate: **A**

Collection Date: **9/21/2017**

Subsample size: **100**

WAA Lab ID: **720.3-003**

Order	Family	Final Determination	Total #	
COLEOPTERA	Elmidae	Stenelmis sp.	10	
DIPTERA	Chironomidae	Eukiefferiella claripennis gr.	1	
		Rheocricotopus sp.	1	
		Rheotanytarsus sp.	1	
		Tvetenia bavarica gr.	1	
	EPHEMEROPTERA	Simuliidae	Simulium sp.	1
		Baetidae	Plauditus sp.	5
		Ephemerellidae	Ephemerella sp.	40
		Heptageniidae	Epeorus sp.	2
			Leucrocuta sp.	1
			Maccaffertium sp.	9
TRICHOPTERA	Isonychiidae	Maccaffertium vicarium	7	
		Isonychia sp.	1	
	Leptophlebiidae	Undetermined Leptophlebiidae	5	
	Hydropsychidae	Cheumatopsyche sp.	5	
		Hydropsyche sp.	7	
		Philopotamidae	Chimarra aterrima?	1
Chimarra obscura	2			

Similarity Score

Natural:	62
Nutrient Additions:	35
Organic:	38
Complex:	25
Toxic:	30
Siltation:	42
Impoundment:	37

Metric Results

Taxa Richness:	18
EPT Richness:	12
Biotic Index:	2.68
PMA:	65
BAP Score:	7.6

Lab Data Summary

Waterbody: **Neversink River**

Station: **2800-006**

Replicate: **A**

Collection Date: **9/21/2017**

Subsample size: **100**

WAA Lab ID: **720.3-004**

Order	Family	Final Determination	Total #	
COLEOPTERA	Elmidae	Optioservus sp.	9	
DIPTERA	Athericidae	Atherix sp.	1	
	Chironomidae	Cricotopus/Orthocladius Complex	1	
Rheotanytarsus sp.		2		
Tvetenia vitracies		4		
Simuliidae		Simulium sp.	2	
EPHEMEROPTERA	Baetidae	Acentrella sp.	3	
		Baetis sp.	9	
		Plauditus sp.	3	
	Ephemerellidae	Ephemerella sp.	3	
		Serratella sp.	2	
	Heptageniidae	Epeorus sp.	2	
		Maccaffertium vicarium	11	
		Isonychiidae	Isonychia sp.	6
		Leptophlebiidae	Undetermined Leptophlebiidae	1
	ODONATA	Gomphidae	Ophiogomphus sp.	1
PLECOPTERA	Perlidae	Acroneuria abnormis	1	
	Perlodidae	Undetermined Perlodidae	1	
TRICHOPTERA	Brachycentridae	Brachycentrus sp.	1	
		Hydropsychidae	Ceratopsyche morosa	12
	Ceratopsyche sparna		3	
	Cheumatopsyche sp.		15	
	Hydropsyche scalaris		4	
	Philopotamidae	Chimarra aterrima?	1	
		Chimarra obscura	2	

Similarity Score

Natural:	62
Nutrient Additions:	59
Organic:	46
Complex:	46
Toxic:	38
Siltation:	43
Impoundment:	50

Metric Results

Taxa Richness:	25
EPT Richness:	18
Biotic Index:	4.02
PMA:	72
BAP Score:	7.97