

Lab Data Summary

Waterbody: **Basherkill**

Station: **2800_001**

Replicate: **A**

Collection Date: **9/16/2016**

Subsample size: **100**

WAA Lab ID: **720.2-003**

Order	Family	Final Determination	Total #
BASOMMATOPHOR	Ancylidae	Ferrissia sp.	1
COLEOPTERA	Elmidae	Optioservus sp.	2
		Oulimnius latiusculus	1
		Stenelmis sp.	1
	Psephenidae	Psephenus herricki	1
DIPTERA	Chironomidae	Micropsectra/Tanytarsus Complex	2
		Parachaetocladius sp.	1
		Rheotanytarsus sp.	1
		Thienemannimyia gr. spp.	1
		Tvetenia bavarica gr.	2
	Tipulidae	Hexatoma sp.	4
EPHEMEROPTERA	Baetidae	Baetis intercalaris	2
		Baetis tricaudatus	1
	Ephemerellidae	Ephemerella sp.	17
	Heptageniidae	Maccaffertium sp.	1
	Leptophlebiidae	Paraleptophlebia sp.	8
MEGALOPTERA	Corydalidae	Nigronia serricornis	2
ODONATA	Cordulegastridae	Cordulegaster sp.	1
	Gomphidae	Undetermined Gomphidae	2
PLECOPTERA	Chloroperlidae	Sweltsa sp.	1
	Peltoperlidae	Tallaperla sp.	1
	Perlidae	Acroneuria abnormis	10
		Eccoptura xanthenes	2
		Paragnetina immarginata	1
	Pteronarcidae	Pteronarcys proteus	1
TRICHOPTERA	Glossosomatidae	Glossosoma sp.	4
	Goeridae	Goera sp.	2
	Hydropsychidae	Ceratopsyche morosa	1
		Cheumatopsyche sp.	4

Similarity Score

Natural: **46**
 Nutrient Additions: **34**
 Organic: **25**
 Complex: **27**
 Toxic: **28**
 Siltation: **27**
 Impoundment: **30**

Metric Results

Taxa Richness: **34**
 EPT Richness: **20**
 Biotic Index: **3.01**
 PMA: **66**
 BAP Score: **8.93**

Lab Data Summary

Waterbody: **Basherkill**

Station: **2800_001**

Replicate: **A**

Collection Date: **9/16/2016**

Subsample size: **100**

WAA Lab ID: **720.2-003**

Order	Family	Final Determination	Total #
TRICHOPTERA	Hydropsychidae	Diplectrona sp.	6
		Hydropsyche betteni	11
	Leptoceridae	Oecetis sp.	1
	Philopotamidae	Chimarra aterrima?	3
	Polycentropodidae	Polycentropus sp.	1

Similarity Score

Natural: **46**

Nutrient Additions: **34**

Organic: **25**

Complex: **27**

Toxic: **28**

Siltation: **27**

Impoundment: **30**

Metric Results

Taxa Richness: **34**

EPT Richness: **20**

Biotic Index: **3.01**

PMA: **66**

BAP Score: **8.93**

Lab Data Summary

Waterbody: **Gold Cr.**

Station: **2800_002**

Replicate: **A**

Collection Date: **9/16/2016**

Subsample size: **100**

WAA Lab ID: **720.2-004**

Order	Family	Final Determination	Total #	
AMPHIPODA	Gammaridae	Gammarus sp.	5	
COLEOPTERA	Elmidae	Macronychus glabratus	3	
DIPTERA	Chironomidae	Micropsectra/Tanytarsus Complex	1	
		Polypedilum flavum	1	
		Polypedilum illinoense	1	
		Simuliidae	Simulium sp.	31
		MEGALOPTERA	Corydalidae	Nigronia serricornis
TRICHOPTERA	Hydropsychidae	Cheumatopsyche sp.	26	
		Hydropsyche betteni	18	
		Leptoceridae	Oecetis sp.	1
		Philopotamidae	Chimarra aterrima?	8
VENEROIDEA	Sphaeriidae	Musculium sp.	1	

Similarity Score

Natural: **25**
 Nutrient Additions: **51**
 Organic: **46**
 Complex: **47**
 Toxic: **40**
 Siltation: **37**
 Impoundment: **56**

Metric Results

Taxa Richness: **12**
 EPT Richness: **4**
 Biotic Index: **5.34**
 PMA: **26**
 BAP Score: **3.68**

Lab Data Summary

Waterbody: **Neversink R.**

Station: **2800_005**

Replicate: **A**

Collection Date: **9/23/2016**

Subsample size: **100**

WAA Lab ID: **720.2-001**

Order	Family	Final Determination	Total #	
COLEOPTERA	Elmidae	Optioservus sp.	3	
		Stenelmis sp.	8	
	Psephenidae	Psephenus herricki	1	
DIPTERA	Chironomidae	Tvetenia vitracies	1	
	Empididae	Hemerodromia sp.	1	
EPHEMEROPTERA	Baetidae	Baetis intercalaris	1	
		Baetis pluto	4	
	Ephemerellidae	Ephemerella sp.	6	
		Serratella deficiens	4	
	Heptageniidae	Epeorus vitreus	1	
		Leucrocuta sp.	1	
		Maccaffertium sp.	8	
		Isonychiidae	Isonychia sp.	2
		Leptophlebiidae	Paraleptophlebia sp.	2
	HOPLONEMERTEA	Tetrastemmatidae	Prostoma graecense	1
Odonata	Gomphidae	Ophiogomphus mainensis	1	
PLECOPTERA	Perlidae	Acroneuria abnormis	2	
		Paragnetina immarginata	2	
	Perlodidae	Undetermined Perlodidae	1	
TRICHOPTERA	Helicopsychidae	Helicopsyche borealis	36	
	Hydropsychidae	Ceratopsyche morosa	3	
		Ceratopsyche slossonae	1	
		Ceratopsyche sparna	2	
		Cheumatopsyche sp.	5	
	Lepidostomatidae	Lepidostoma sp.	2	
	Rhyacophilidae	Rhyacophila fuscula	1	

Similarity Score

Natural: **54**
 Nutrient Additions: **36**
 Organic: **34**
 Complex: **25**
 Toxic: **24**
 Siltation: **36**
 Impoundment: **30**

Metric Results

Taxa Richness: **26**
 EPT Richness: **19**
 Biotic Index: **3.28**
 PMA: **58**
 BAP Score: **8.34**

Lab Data Summary

Waterbody: **Neversink R.**

Station: **2800_006**

Replicate: **A**

Collection Date: **9/16/2016**

Subsample size: **100**

WAA Lab ID: **720.2-002**

Order	Family	Final Determination	Total #	
COLEOPTERA	Elmidae	Optioservus sp.	1	
		Promoresia tardella	1	
		Stenelmis sp.	7	
DIPTERA	Psephenidae	Psephenus herricki	3	
	Simuliidae	Simulium sp.	3	
EPHEMEROPTERA	Baetidae	Baetis flavistriga	2	
		Baetis pluto	2	
	Ephemerellidae	Serratella deficiens	8	
	Heptageniidae	Leucrocuta sp.	1	
		Maccaffertium sp.	6	
	Isonychiidae	Isonychia sp.	4	
	Leptophlebiidae	Paraleptophlebia sp.	2	
	HOPLONEMERTEA	Tetrastemmatidae	Prostoma graecense	2
	MEGALOPTERA	Corydalidae	Corydalus cornutus	1
	ODONATA	Gomphidae	Undetermined Gomphidae	1
TRICHOPTERA	Apataniidae	Apatania sp.	1	
	Helicopsychidae	Helicopsyche borealis	40	
		Ceratopsyche morosa	3	
		Ceratopsyche sparna	1	
		Cheumatopsyche sp.	5	
	Hydropsyche scalaris	1		
	Hydroptilidae	Hydroptila sp.	1	
Polycentropodidae	Neureclipsis sp.	1		
VENEROIDEA	Sphaeriidae	Pisidium sp.	3	

Similarity Score

Natural: **47**
 Nutrient Additions: **34**
 Organic: **28**
 Complex: **24**
 Toxic: **21**
 Siltation: **32**
 Impoundment: **32**

Metric Results

Taxa Richness: **24**
 EPT Richness: **15**
 Biotic Index: **3.62**
 PMA: **55**
 BAP Score: **8**