

Lab Data Summary

Waterbody: **Basherkill**

Station: **2800_001** Replicate: **A**

Collection Date: **9/10/2015**

Subsample size: **100**

Order	Family	Final Determination	Total #
COLEOPTERA	Dryopidae	Helichus sp.	1
	Elmidae	Oulimnius latiusculus	2
	Psephenidae	Psephenus herricki	1
DIPTERA	Chironomidae	Micropsectra/Tanytarsus Complex	1
		Thienemanniella sp.	1
		Tvetenia bavarica gr.	1
	Tipulidae	Hexatoma sp.	1
			Pilaria sp.
EPHEMEROPTERA	Baetidae	Acentrella turbida	1
		Baetis tricaudatus	2
	Ephemerellidae	Ephemerella sp.	9
	Heptageniidae	Stenonema modestum	3
	Leptophlebiidae	Paraleptophlebia sp.	2
MEGALOPTERA	Corydalidae	Nigronia serricornis	3
PLECOPTERA	Chloroperlidae	Sweltsa sp.	1
	Leuctridae	Leuctra sp.	2
	Peltoperlidae	Tallaperla sp.	4
	Perlidae	Acroneuria abnormis	11
		Pteronarcys biloba	1
		Pteronarcys proteus	3
TRICHOPTERA	Glossosomatidae	Glossosoma sp.	3
	Hydropsychidae	Cheumatopsyche sp.	1
		Diplectrona sp.	9
		Hydropsyche betteni	18
	Hydropsyche ventura	3	

Similarity Score

Natural:	43
Nutrient Additions:	48
Organic:	34
Complex:	34
Toxic:	33
Siltation:	34
Impoundment:	40

Metric Results

Taxa Richness:	31
EPT Richness:	21
Biotic Index:	2.85
PMA:	45
BAP Score:	8.04

Lab Data Summary

Waterbody: **Basherkill**

Station: **2800_001** Replicate: **A**

Collection Date: **9/10/2015**

Subsample size: **100**

Order	Family	Final Determination	Total #
TRICHOPTERA	Odontoceridae	Psilotreta sp.	1
	Philopotamidae	Chimarra aterrima?	1
		Dolophilodes sp.	9
		Rhyacophilidae	Rhyacophila fuscula
		Rhyacophila minora	2
TRICLADIDA		Undetermined Turbellaria	1

Similarity Score

Natural:	43
Nutrient Additions:	48
Organic:	34
Complex:	34
Toxic:	33
Siltation:	34
Impoundment:	40

Metric Results

Taxa Richness:	31
EPT Richness:	21
Biotic Index:	2.85
PMA:	45
BAP Score:	8.04

Lab Data Summary

Waterbody: **Basherkill**

Station: **2800_008** Replicate: **A**

Collection Date: **9/10/2015**

Subsample size: **100**

Order	Family	Final Determination	Total #
COLEOPTERA	Elmidae	Promoesia tardella	3
		Stenelmis sp.	1
DIPTERA	Chironomidae	Polypedilum flavum	4
		Rheotanytarsus exiguus gr.	28
		Tvetenia vitracies	2
		Simulium sp.	6
EPHEMEROPTERA	Baetidae	Isxaeon anoka	1
	Heptageniidae	Stenonema modestum	3
	Isonychiidae	Isonychia sp.	2
MEGALOPTERA	Corydalidae	Nigronia serricornis	1
MESOGASTROPODA	Hydrobiidae	Undetermined Hydrobiidae	1
TRICHOPTERA	Hydropsychidae	Cheumatopsyche sp.	23
		Hydropsyche betteni	15
		Macrostemum sp.	2
		Chimarra aterrima?	4
		Chimarra obscura	2
TRICLADIDA	Philopotamidae	Undetermined Turbellaria	2

Similarity Score

Natural:	42
Nutrient Additions:	51
Organic:	58
Complex:	55
Toxic:	38
Siltation:	50
Impoundment:	65

Metric Results

Taxa Richness:	17
EPT Richness:	8
Biotic Index:	5.26
PMA:	50
BAP Score:	5.46

Lab Data Summary

Waterbody: **Gold Cr.**

Station: **2800_002** Replicate: **A**

Collection Date: **9/10/2015**

Subsample size: **100**

Order	Family	Final Determination	Total #
AMPHIPODA	Gammaridae	Gammarus sp.	2
COLEOPTERA	Elmidae	Optioservus trivittatus	1
		Promoesia tardella	1
DIPTERA	Chironomidae	Parametrioctonus sp.	1
		Polypedilum flavum	3
		Rheocricotopus sp.	3
		Rheotanytarsus exiguus gr.	7
		Thienemannimyia gr. spp.	2
	Simuliidae	Simulium sp.	3
ISOPODA	Asellidae	Caecidotea sp.	4
MEGALOPTERA	Corydalidae	Nigronia serricornis	1
TRICHOPTERA	Hydropsychidae	Cheumatopsyche sp.	18
		Hydropsyche betteni	26
	Philopotamidae	Chimarra aterrima?	25
VENEROIDEA	Sphaeriidae	Pisidium sp.	3

Similarity Score

Natural:	32
Nutrient Additions:	63
Organic:	58
Complex:	58
Toxic:	41
Siltation:	41
Impoundment:	61

Metric Results

Taxa Richness:	15
EPT Richness:	3
Biotic Index:	5.54
PMA:	38
BAP Score:	4.59

Lab Data Summary

Waterbody: **Neversink R.**

Station: **2800_005** Replicate: **A**

Collection Date: **9/10/2015**

Subsample size: **100**

Order	Family	Final Determination	Total #
AMPHIPODA	Gammaridae	Gammarus sp.	1
Basommatophora	Physidae	Physa sp.	1
COLEOPTERA	Elmidae	Optioservus sp.	1
		Promoresia tardella	1
		Stenelmis sp.	3
	Psephenidae	Psephenus herricki	1
DIPTERA	Athericidae	Atherix sp.	1
	Chironomidae	Polypedilum flavum	2
		Tvetenia vitracies	1
	Simuliidae	Simulium sp.	6
EPHEMEROPTERA	Baetidae	Baetis intercalaris	2
		Heterocloeon curiosum	4
	Ephemerellidae	Ephemerella sp.	4
		Serratella deficiens	9
	Heptageniidae	Leucrocuta sp.	1
		Stenonema sp.	7
	Isonychiidae	Isonychia sp.	2
Odonata	Gomphidae	Ophiogomphus mainensis	2
PLECOPTERA	Perlidae	Acroneuria sp.	1
		Paragnetina immarginata	2
TRICHOPTERA	Helicopsychidae	Helicopsyche borealis	30
	Hydropsychidae	Cheumatopsyche sp.	4
		Hydropsyche morosa	5
		Hydropsyche scalaris	1
		Hydropsyche sparna	1

Similarity Score

Natural:	55
Nutrient Additions:	35
Organic:	30
Complex:	27
Toxic:	27
Siltation:	36
Impoundment:	37

Metric Results

Taxa Richness:	29
EPT Richness:	16
Biotic Index:	3.52
PMA:	61
BAP Score:	8.44

Lab Data Summary

Waterbody: **Neversink R.**

Station: **2800_005** Replicate: **A**

Collection Date: **9/10/2015**

Subsample size: **100**

Order	Family	Final Determination	Total #
TRICHOPTERA	Philopotamidae	Chimarra aterrima?	1
		Chimarra obscura	3
TRICLADIDA		Undetermined Turbellaria	1
VENEROIDEA	Sphaeriidae	Pisidium sp.	2

Similarity Score

Natural:	55
Nutrient Additions:	35
Organic:	30
Complex:	27
Toxic:	27
Siltation:	36
Impoundment:	37

Metric Results

Taxa Richness:	29
EPT Richness:	16
Biotic Index:	3.52
PMA:	61
BAP Score:	8.44

Lab Data Summary

Waterbody: **Neversink R.**

Station: **2800_006** Replicate: **A**

Collection Date: **9/10/2015**

Subsample size: **100**

Order	Family	Final Determination	Total #
COLEOPTERA	Elmidae	Stenelmis sp.	1
	Psephenidae	Psephenus herricki	1
DIPTERA	Chironomidae	Cardiocladius obscurus	1
		Cricotopus/Orthocladius Complex	3
		Polypedilum aviceps	1
		Potthastia gaedii gr.	1
	Simuliidae	Simulium sp.	12
EPHEMEROPTERA	Baetidae	Baetis intercalaris	8
		Baetis pluto	4
		Plauditus sp.	13
	Ephemerellidae	Ephemerella sp.	4
		Serratella deficiens	1
	Heptageniidae	Leucrocuta sp.	1
		Stenonema sp.	2
	Isonychiidae	Isonychia sp.	1
Leptophlebiidae	Paraleptophlebia sp.	1	
Odonata	Gomphidae	Ophiogomphus mainensis	1
PLECOPTERA	Perlidae	Acroneuria sp.	1
		Paragnetina immarginata	2
TRICHOPTERA	Helicopsychidae	Helicopsyche borealis	25
	Hydropsychidae	Cheumatopsyche sp.	2
		Hydropsyche morosa	7
		Hydropsyche sparna	3
	Philopotamidae	Chimarra aterrима?	1
		Chimarra obscura	2

Similarity Score

Natural:	52
Nutrient Additions:	48
Organic:	24
Complex:	26
Toxic:	32
Siltation:	34
Impoundment:	37

Metric Results

Taxa Richness:	26
EPT Richness:	17
Biotic Index:	4.01
PMA:	66
BAP Score:	8.35

Lab Data Summary

Waterbody: **Neversink R.**

Station: **2800_006** Replicate: **A**

Collection Date: **9/10/2015**

Subsample size: **100**

Order	Family	Final Determination	Total #
TRICLADIDA		Undetermined Turbellaria	1

Similarity Score

Natural:	52
Nutrient Additions:	48
Organic:	24
Complex:	26
Toxic:	32
Siltation:	34
Impoundment:	37

Metric Results

Taxa Richness:	26
EPT Richness:	17
Biotic Index:	4.01
PMA:	66
BAP Score:	8.35