

NATURE FORWARD (formerly Audubon Naturalist Society) - WATER QUALITY MONITORING PROGRAM													BENTHIC MACROINVERTEBRATE DATA for 2 new sites in Prince George's County												
SPRING - SUMMER - FALL 2022 SPRING - SUMMER - FALL 2023 SPRING - SUMMER - FALL 2024				SPRING - SUMMER - FALL 2024										SPRING - SUMMER - FALL 2024											
				04/02/22 SLUGO CREEK		07/10/22 SLUGO CREEK		10/30/22 SLUGO CREEK		04/16/23 SLUGO CREEK		07/23/23 SLUGO CREEK		10/22/23 SLUGO CREEK		04/07/24 SLUGO CREEK		07/21/24 SLUGO CREEK		10/27/24 SLUGO CREEK					
				COUNT		COUNT		COUNT		COUNT		COUNT		COUNT		COUNT		COUNT		COUNT					
PHYLUM	ORDER (or suborder)	FAMILY	GENUS	COMMON NAME	COUNT	COUNT	COUNT	COUNT	COUNT	COUNT	COUNT	COUNT	COUNT	COUNT	COUNT	COUNT	COUNT	COUNT	COUNT	COUNT					
Annelida	Hirudinea	Eprobodellidae		Leeches (cylindrical)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Annelida	Hirudinea	Glossiphoniidae		Leeches (flat, wide at end)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Annelida	Oligochaeta	Lumbriculidae		Aquatic worms	3	4	4	-	1	3	1	2	1	8	3	1	11	5	7	3					
Platyhelminthes	Tricladida	Dugesidae		Planarians, flatworms	6	2	28	9	53	71	1	4	18	3	3	2	3	15	-	23					
Mollusca	Bivalvia	Corbiculidae		Asian clams	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-					
Mollusca	Gastropoda	Ancylidae		Limpets	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-					
Mollusca	Gastropoda	Physidae		Pouch snails	-	-	-	-	-	-	-	-	-	-	-	-	4	-	1	-					
Arthropoda	Amphipoda	Gammaridae		Scuds	2	-	-	-	-	-	-	-	-	3	-	1	2	3	-	-					
Arthropoda	Isopoda	Asellidae		Aquatic sowbugs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2					
Arthropoda	Decapoda	Cambaridae		Crayfish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-					
Arthropoda	Coleoptera	Dryopidae		Long-toed water beetles (adults)	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-					
Arthropoda	Coleoptera	Elmidae	genus not identified	Riffle beetles (adults)	-	-	1	-	-	-	-	-	-	-	-	1	-	1	-	-					
Arthropoda	Coleoptera	Stenelmis		Riffle beetles (adults)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Arthropoda	Diptera	Chironomidae		Midges	34	-	-	10	2	2	20	1	2	61	7	-	17	10	7	56					
Arthropoda	Diptera	Simuliidae		Black flies	4	1	-	20	2	2	-	-	-	1	1	20	-	10	-	1					
Arthropoda	Diptera	Tipulidae	genus not identified	Crane flies	1	-	-	-	1	3	-	-	-	-	-	3	-	3	1	-					
Arthropoda	Diptera	Tipulidae	Antocha	Crane flies	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1					
Arthropoda	Diptera	Tipulidae	Dicranota	Crane flies	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Arthropoda	Diptera	Tipulidae	Tipula	Crane flies	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2					
Arthropoda	Trichoptera	Hydropsychidae		Common netspinner caddisflies	14	17	28	17	26	-	1	78	34	7	61	42	5	49	8	74					
Arthropoda	Trichoptera	Leptoceridae		Longhorned case maker caddis	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	26					
Arthropoda	Trichoptera	Philopotamidae		Fingernet caddisflies	32	35	39	7	9	18	6	8	9	6	1	33	5	5	14	4					
Arthropoda	Trichoptera	Polycentropodidae		Trumpetnet caddisflies	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	26					
Arthropoda	Trichoptera	Uenoidae		Uenoid case maker caddisflies	1	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-					
Arthropoda	Ephemeroptera	Baetidae	genus not identified	Small minnow mayflies	-	43	2	-	-	3	1	11	-	4	-	12	52	5	-	-					
Arthropoda	Ephemeroptera	Baetidae	Acentrella	Small minnow mayflies	-	-	-	7	-	-	-	-	-	-	-	-	-	1	17	1					
Arthropoda	Ephemeroptera	Baetidae	Baetis	Small minnow mayflies	-	-	-	31	3	-	-	-	-	-	27	-	-	6	1	5					
Arthropoda	Ephemeroptera	Heptageniidae	genus not identified	Flatheaded mayflies	-	-	-	-	-	-	-	-	-	1	1	2	3	5	4	1					
Arthropoda	Ephemeroptera	Heptageniidae	Maccaffertium	Flatheaded mayflies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1					
Arthropoda	Odonata/Aeschnoptera	Aeshnidae		Darner dragonflies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3					
Arthropoda	Odonata/Zygoptera	Calopterygidae		Broadwinged damselflies	3	-	-	-	-	-	-	-	-	1	1	3	-	-	-	-					
Arthropoda	Odonata/Zygoptera	Coenagrionidae		Narrowwinged damselflies	1	-	-	1	-	-	-	-	-	8	-	-	-	2	-	-					
Arthropoda	Megaloptera	Corydalidae	Corydalis	Dobsonflies	-	-	-	1	-	1	-	-	-	-	1	-	-	1	-	2					
Arthropoda	Megaloptera	Corydalidae	Nigronia	Fishflies	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-					
Arthropoda	Hemiptera	Gerridae		Water striders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2					
Arthropoda	Hemiptera	Velidae		Short-legged striders	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	1					
					103	103	101	107	97	103	30	105	64	107	110	102	102	102	83	96	104				
					103	103	101	107	97	103	30	105	64	107	110	102	102	102	83	96	104				
NF IBi score / Health rating					1.57 / Poor	1.86 / Poor	1.00 / Poor	2.43 / Fair	1.29 / Poor	1.29 / Poor	1.00 / Poor	1.57 / Poor	1.00 / Poor	2.14 / Fair	2.71 / Fair	2.14 / Fair	2.71 / Fair	2.43 / Fair	2.14 / Fair	2.71 / Fair					
pH					7.6+	7.6+	8.1	8.0	7.6	7.7	8.3	8.0	8.2	7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.6+				
Ambient air temperature					10.0° C	27.0° C	17.0° C	27.2° C	24.5° C	16.0° C	16.0° C	31.0° C	13.0° C	26.0° C	32.0° C	14.0° C	10.0° C	23.0° C	15.0° C	12.0° C					
Average water temperature					11.0° C	22.8° C	10.7° C	20.0° C	23.0° C	13.0° C	13.0° C	25.0° C	11.3° C	18.0° C	25.3° C	13.6° C	12.5° C	20.3° C	11.8° C	9.3° C					
Sites																									
1. Sligo Creek near the Peppo ROW in Takoma Park (38.97534, -76.98604)																									
2. Northwest Branch at Riggs Road at the Adelphi Mill Rec Center (38.992694, -76.972954)																									
Notes																									
The collections are subsampled to record 100 specimens (or slightly more based on counting all specimens in the subsampling tray's cell where the 100th specimen is reached).																									
The stream health rating is based on the benthic macroinvertebrate survey.																									
In Fall 2022, we began using a high range pH test kit for Sligo Creek for more accurate readings																									
(our standard test kits have an upper limit of 7.6).																									
All macroinvertebrates are returned to the streams.																									