



# POESTEN KILL SITE-SPECIFIC FACTSHEETS

The Factsheets Presented in this section contain the physical, chemical, and biological data collected at each site, during the 2017 and 2019 surveys. Sites are arranged in downstream order; however, sites numbers are not consecutively ordered. Sites were numbered based on initial site reconnaissance.

## DATA TABLE ABBREVIATIONS

### WATER QUALITY UNITS

**Temperature (°C)** – reported as degrees-Celsius

**Conductivity (μS/cm)** – reported in microsiemens per centimeter

**pH** – unitless, measure of the hydrogen ion concentration

**Turbidity (NTU)** – reported in Nephelometric Turbidity Units

**Dissolved oxygen (mg/L)** – reported in milligrams per liter; also known as parts per million (ppm)

### BIOLOGICAL UNITS

**IBI** – Index of Biotic Integrity

**EPT richness** – Ephemeroptera-Plecoptera-Trichoptera species richness

**NCO richness** – Non-Chironomidae and Oligochaeta richness

**HBI** – Hilsenhoff Biotic Index

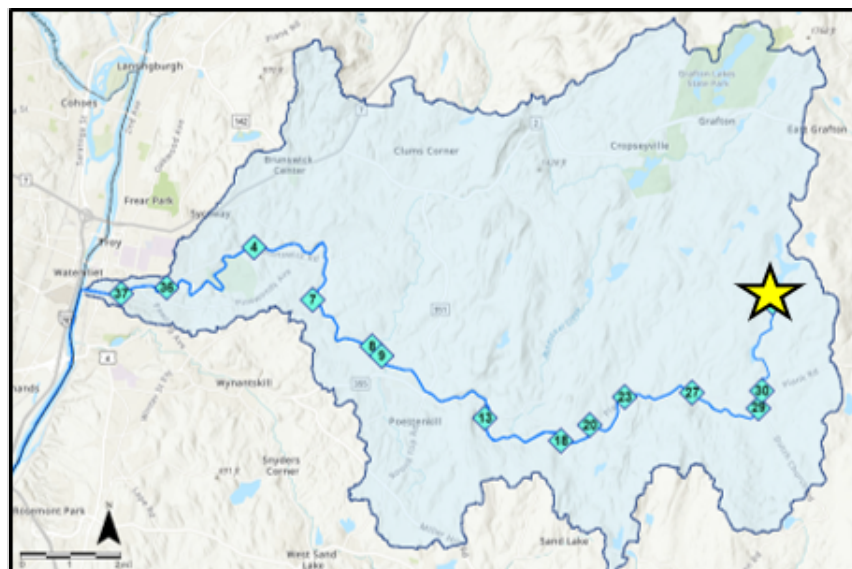
**PMA** – Percent Model Affinity

**NBI-P** – Nutrient Biotic Index for Phosphorus

**BAP** – Biological Assessment Profile



# POESTEN KILL SAMPLING DATA: SITE #31



## SITE DESCRIPTION:

This site marks the beginning of the Poestenkill and is located right below Dyken Pond at Fifty Six Rd. The predominant surrounding land use consists of a mixture of forest, residential homes, and agriculture. The riparian zone of the stream is lined with a mixture of trees and shrubs.

## SITE COORDINATES:

42.71704 N, -73.4278 W

2017 Downstream View



2019 Upstream View



2019 Downstream View



WQ	YEAR	
Measure	2017	2019
Temperature	21.93	19.35
Conductivity	30	24
pH	7.21	8.49
Turbidity	2.5	0
Dissolved oxygen	8.13	8.74

FISH SPP/COUNTS	YEAR	
Species	2017	2019
Bluegill	0	5
Brown Bullhead	1	0
Creek Chub	3	46
Golden Shiner	0	6
Longnose Dace	0	5
Pumpkinseed	14	22

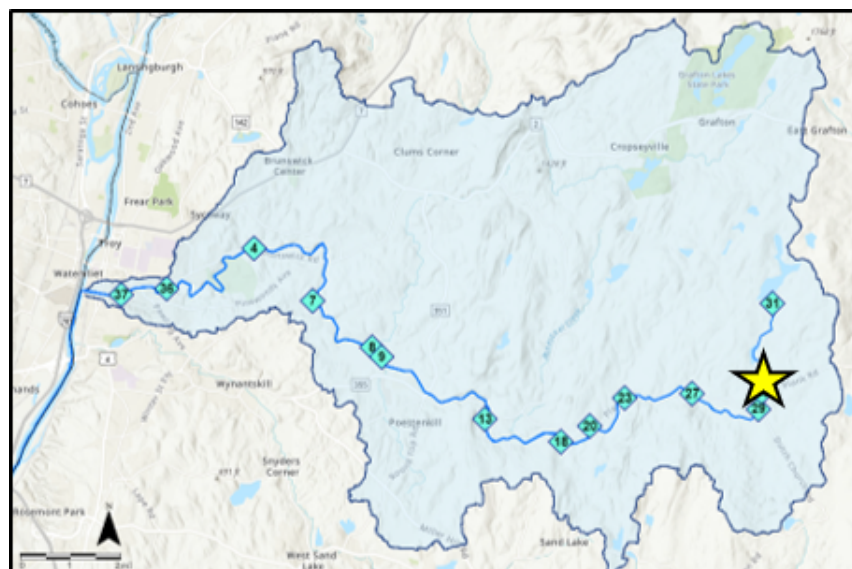
FISH IBI	YEAR	
Measure	2017	2019
Abundance	18	84
Total Species Richness	3	5
Native Species Richness	3	5
Exotic Species Richness	0	0
Benthic Insectivore Species Richness	0	1
Water Column Species Richness	0	0
Terete minnow Species Richness	1	1
% Dominant	77.78	54.76
% White sucker	0.00	0.00
% Generalists	100.0	94.05
% Insectivores	0.00	5.95
% Top carnivore	0.00	0.00
Shannon Diversity	0.65	1.20
IBI Score	28	32
IBI Rating	Poor	Poor

INVERTEBRATES	YEAR	
Measure	2017	2019
Abundance	100	100
Richness	9	6
EPT Richness	3	3
NCO Richness	8	5
Diversity	1.57	0.47
Dominance-3	80	97
HBI	6.23	5.81
PMA	39	31
NBI-P	6.30	5.60
BAP	6.83	6.42
BAP Rating	Slight	Slight





# POESTEN KILL SAMPLING DATA: SITE #30



## SITE DESCRIPTION:

Located on Plank Rd, approximately 450 m north of Site 29. The surrounding land is predominately made up of forest. The riparian zone of the stream is lined with trees.

## SITE COORDINATES:

42.69155 N, -73.43182 W

2017 Downstream View



2019 Downstream View



WQ	YEAR	
Measure	2017	2019
Temperature	18.15	15.93
Conductivity	52	44
pH	6.23	8.2
Turbidity	0	0
Dissolved oxygen	Not Sampled	8.24

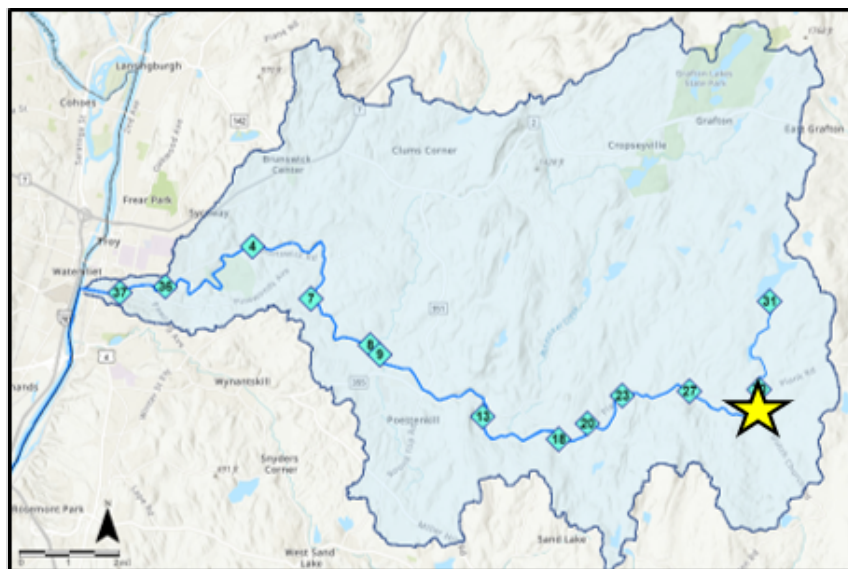
FISH SPP/COUNTS	YEAR	
Species	2017	2019
<u>Blacknose Dace</u>	28	33
Creek Chub	25	36
Golden Shiner	0	1

FISH IBI	YEAR	
Measure	2017	2019
Abundance	53	70
Total Species Richness	2	3
Native Species Richness	2	3
Exotic Species Richness	0	0
Benthic Insectivore Species Richness	0	0
Water Column Species Richness	0	0
Terete Minnow Species Richness	1	1
% Dominant	52.83	51.43
% White sucker	0.00	0.00
% Generalists	100.00	100.00
% Insectivores	0.00	0.00
% Top carnivore	0.00	0.00
Shannon Diversity	0.69	0.75
IBI Score	26	26
IBI Rating	Poor	Poor

INVERTEBRATES	YEAR	
Measure	2017	2019
Abundance	100	100
Richness	17	12
EPT Richness	6	8
NCO Richness	16	11
Diversity	2.138	1.875
Dominance-3	62	75
HBI	4.62	4.89
PMA	53	59
NBI-P	6.919	6.379
BAP	8.602	8.615
BAP Rating	Non	Non



# POESTEN KILL SAMPLING DATA: SITE #29



## SITE DESCRIPTION:

Located on Dutch Church Rd, approximately 300 m east of Plank Rd. The surrounding land is predominately made up of forest and wetland. The riparian zone of the stream is lined with grass fields. There is a bridge that passes over this site.

## SITE COORDINATES:

42.68668 N, -73.43312 W

2017 Upstream View



2019 Downstream View



2019 Upstream View



WQ	YEAR	
Measure	2017	2019
Temperature	18.45	15.95
Conductivity	53	46
pH	6.3	7.8
Turbidity	0.4	1.8
Dissolved oxygen	8.35	8.84

FISH SPP/COUNTS	YEAR	
Species	2017	2019
<u>Blacknose Dace</u>	33	25
Creek Chub	24	21
Pumpkinseed	3	0
White Sucker	0	4

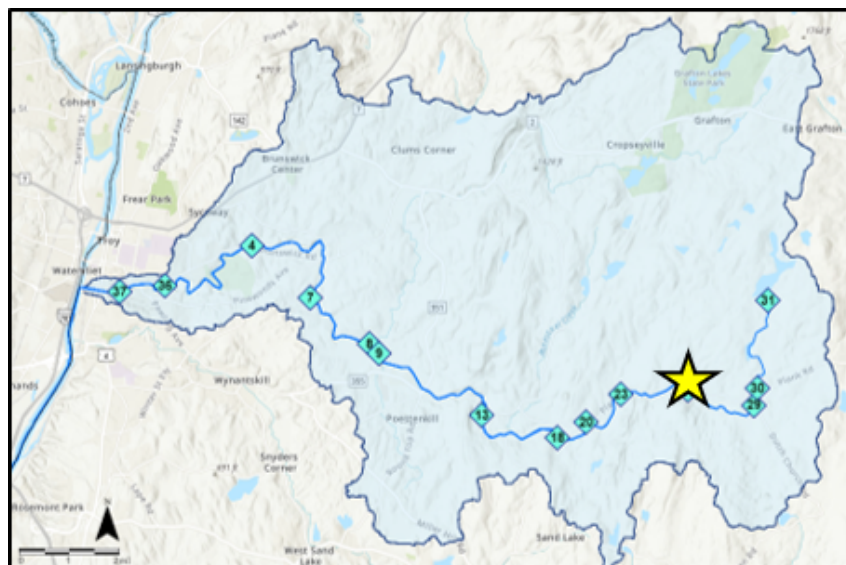
FISH IBI	YEAR	
Measure	2017	2019
Abundance	60	50
Total Species Richness	3	3
Native Species Richness	3	3
Exotic Species Richness	0	0
Benthic Insectivore Species Richness	0	0
Water Column Species Richness	0	0
Terete minnow Species Richness	1	1
% Dominant	55.00	50.00
% White sucker	0.00	8.00
% Generalists	100.00	100.00
% Insectivores	0.00	0.00
% Top carnivore	0.00	0.00
Shannon Diversity	0.84	0.91
IBI Score	24	24
IBI Rating	Very Poor	Very Poor

INVERTEBRATES	YEAR	
Measure	2017	2019
Abundance	100	100
Richness	12	14
EPT Richness	3	10
NCO Richness	11	13
Diversity	1.00	1.64
Dominance-3	89	82
HBI	5.52	5.13
PMA	43	54
NBI-P	6.40	6.32
BAP	7.37	8.69
BAP Rating	Slight	Non





# POESTEN KILL SAMPLING DATA: SITE #27



## SITE DESCRIPTION:

Located on Plank Rd, just west of Dodge City Rd. The surrounding land is predominately made up of forest. The riparian zone of the stream is lined with trees. There is a bridge that passes over the site.

## SITE COORDINATES:

42.69102 N, -73.45925 W

2017 Upstream View



2017 Downstream View



2019 Downstream View



WQ	YEAR	
Measure	2017	2019
Temperature	17.94	15.66
Conductivity	46	41
pH	6.01	7.52
Turbidity	1.8	0
Dissolved oxygen	9.59	9.69

FISH SPP/COUNT	YEAR	
Species	2017	2019
Blacknose Dace	6	14
Creek Chub	7	9
Longnose Dace	7	2
Pumpkinseed	0	1

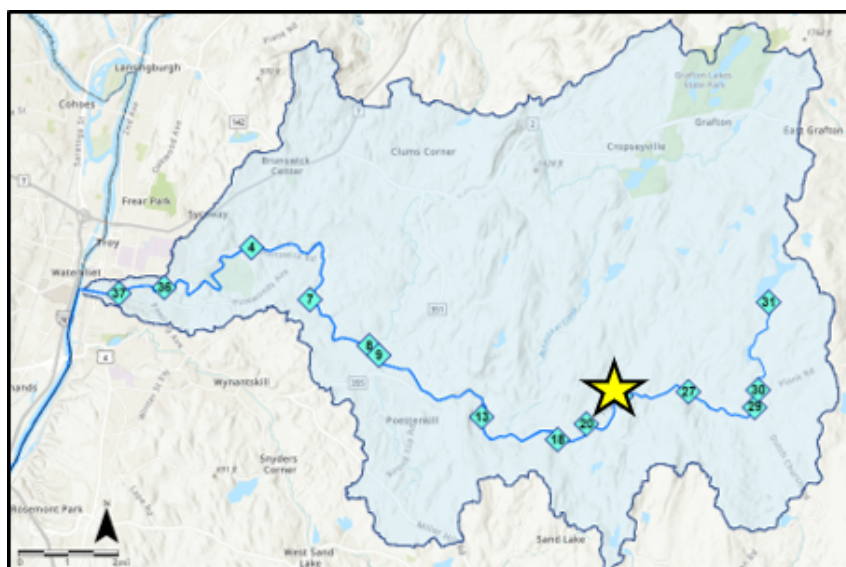
FISH IBI	YEAR	
Measure	2017	2019
Abundance	20	26
Total Species Richness	3	4
Native Species Richness	3	4
Exotic Species Richness	0	0
Benthic Insectivore Species Richness	1	1
Water Column Species Richness	0	0
Terete minnow Species Richness	1	1
% Dominant	35.00	53.85
% White sucker	0.00	0.00
% Generalists	65.00	92.31
% Insectivores	35.00	7.69
% Top carnivore	0.00	0.00
Shannon Diversity	1.09	1.02
IBI Score	30	28
IBI Rating	Poor	Poor

INVERTEBRATES	YEAR	
Measure	2017	2019
Abundance	100	100
Richness	8	13
EPT Richness	6	9
NCO Richness	7	12
Diversity	1.11	1.84
Dominance-3	89	72
HBI	2.82	4.73
PMA	32	75
NBI-P	2.29	5.34
BAP	5.64	9.19
BAP Rating	Slight	Non





# POESTEN KILL SAMPLING DATA: SITE #23



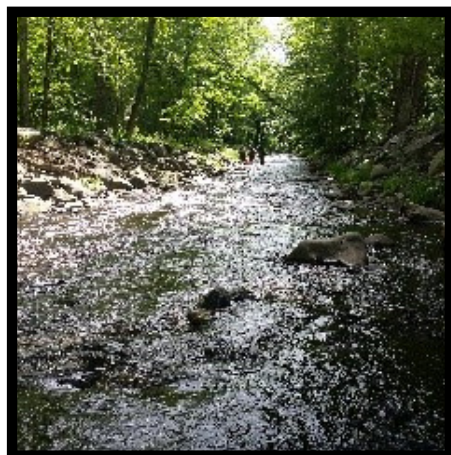
## SITE DESCRIPTION:

Located on Fifty Six Rd, immediately north of the intersection with Plank Rd. The surrounding land is predominately made up of fields and residential homes. The riparian zone of the stream is lined with trees. There is a bridge that passes over the site..

## SITE COORDINATES:

42.68987 N, -73.48589 W

2017 Upstream View



2017 Downstream View



2019 Downstream View



WQ	YEAR	
Measure	2017	2019
Temperature	19.03	14.72
Conductivity	51	35
pH	6.4	7.46
Turbidity	0.6	6
Dissolved oxygen	9.6	10.04

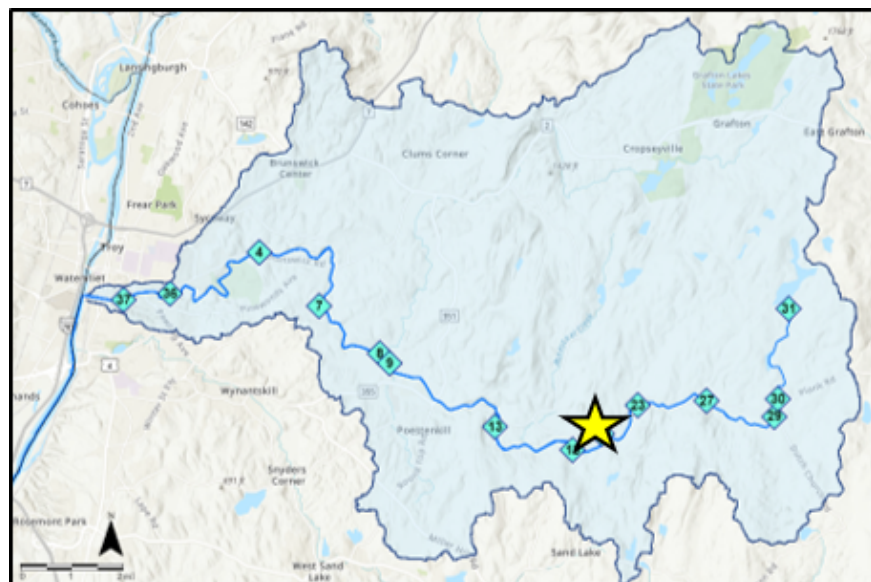
FISH SPP/COUNT	YEAR	
Species	2017	2019
Blacknose Dace	3	11
Brown Trout	0	2
Common shiner	0	4
Golden Shiner	0	1
Longnose Dace	15	2

FISH IBI	YEAR	
Measure	2017	2019
Abundance	18	20
Total Species Richness	2	5
Native Species Richness	2	4
Exotic Species Richness	0	1
Benthic Insectivore Species Richness	1	1
Water Column Species Richness	0	0
Terete minnow Species Richness	0	0
% Dominant	83.33	55.00
% White sucker	0.00	0.00
% Generalists	16.67	80.00
% Insectivores	83.33	10.00
% Top carnivore	0.00	10.00
Shannon Diversity	0.45	1.26
IBI Score	32	30
IBI Rating	Poor	Poor

INVERTEBRATES	YEAR	
Measure	2017	2019
Abundance	100	100
Richness	22	15
EPT Richness	13	11
NCO Richness	21	14
Diversity	2.65	1.77
Dominance-3	45	70
HBI	2.33	2.7
PMA	54	45
NBI-P	3.31	1.97
BAP	8.63	7.10
BAP Rating	Non	Slight



# POESTEN KILL SAMPLING DATA: SITE #20



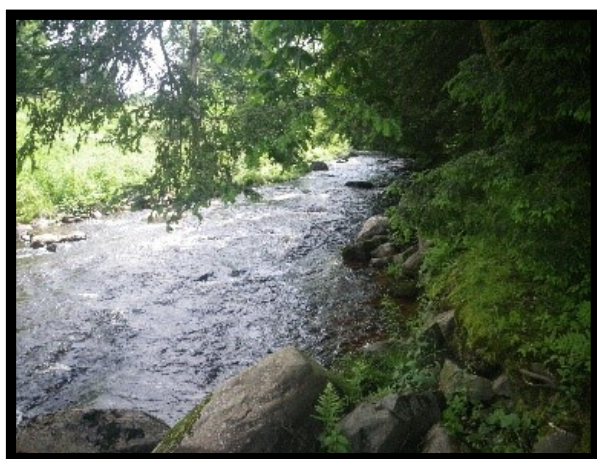
## SITE DESCRIPTION:

Located on Columbia Hill Rd, immediately south of the intersection with Plank Rd. The surrounding land consists of a myriad of forest, fields, agriculture, and residential homes. The riparian zone of the stream is lined with trees. There is a bridge that passes over the site.

## SITE COORDINATES:

42.68181 N, -73.49943 W

2019 Upstream View



2019 Downstream View



WQ	YEAR	
Measure	2017	2019
Temperature	19.32	15.33
Conductivity	128	43
pH	7.13	7.25
Turbidity	1.8	0
Dissolved oxygen	8.96	9.9

FISH SPP/COUNT	YEAR
Species	2019
<u>Blacknose Dace</u>	7
Common shiner	1
Longnose Dace	3

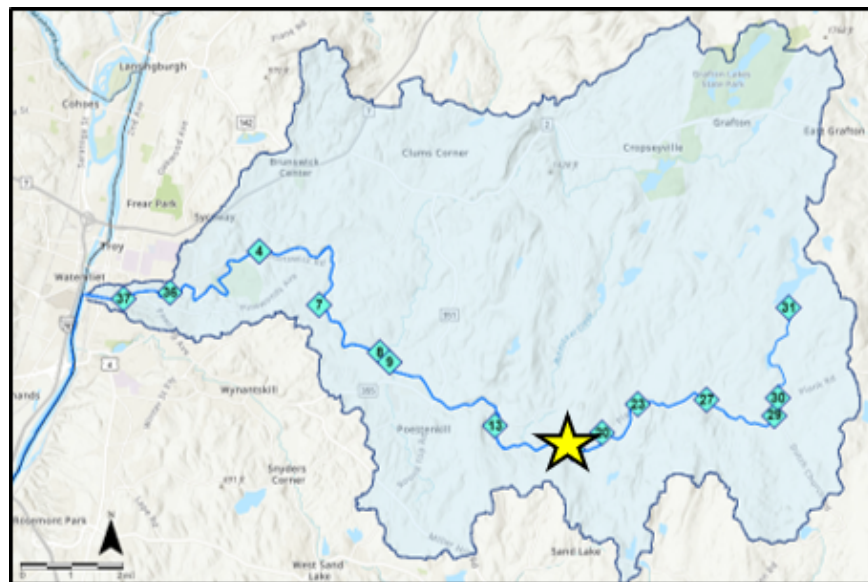
FISH IBI	YEAR
Measure	2019
Abundance	11
Total Species Richness	3
Native Species Richness	3
Exotic Species Richness	0
Benthic Insectivore Species Richness	1
Water Column Species Richness	0
Terete minnow Species Richness	0
% Dominant	63.64
% White sucker	0.00
% Generalists	72.73
% Insectivores	27.27
% Top carnivore	0.00
Shannon Diversity	0.86
IBI Score	26
IBI Rating	Poor

INVERTEBRATES	YEAR
Measure	2019
Abundance	100
Richness	15
EPT Richness	8
NCO Richness	14
Diversity	2.15
Dominance-3	63
HBI	3.94
PMA	79
NBI-P	4.24
BAP	7.96
BAP Rating	Non





# POESTEN KILL SAMPLING DATA: SITE #18



## SITE DESCRIPTION:

Located on Powers Rd, just east of the intersection of Catlin and Plank Rds. The surrounding land is predominately made up of forest and residential homes. The riparian zone is lined with trees. There is a bridge that passes over this site.

## SITE COORDINATES:

42.67720 N, -73.51074 W

2017 Upstream View

2017 Downstream View

2019 Upstream View

2019 Downstream View



WQ	YEAR	
Measure	2017	2019
Temperature	20.21	17.33
Conductivity	56	50
pH	6.72	7.88
Turbidity	1	0
Dissolved oxygen	8.97	9.54

FISH SPP/COUNT	YEAR	
Species	2017	2019
Blacknose Dace	4	0
Brown Trout	1	1
Common shiner	0	3
Creek Chub	3	11
Golden Shiner	0	1
Longnose Dace	3	8
Shiner Spp.	1	0

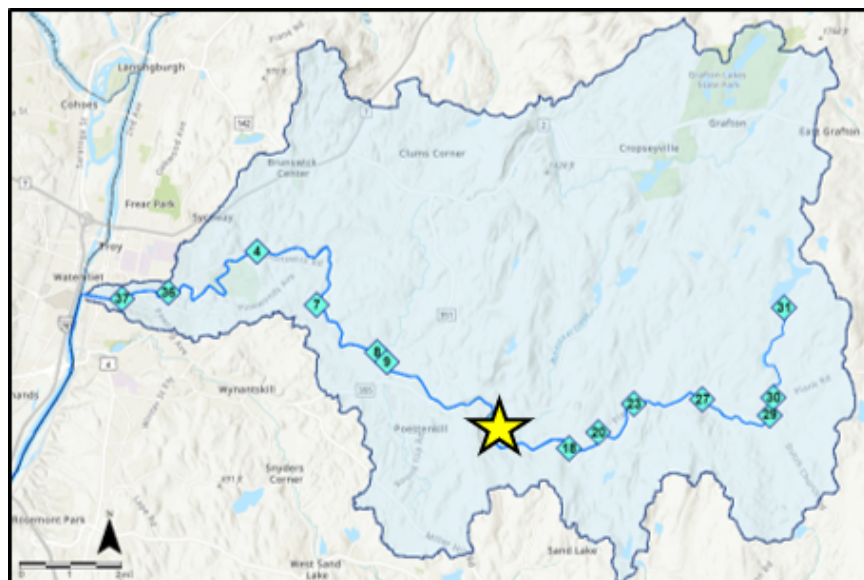
FISH IBI	YEAR	
Measure	2017	2019
Abundance	12	24
Total Species Richness	5	5
Native Species Richness	4	4
Exotic Species Richness	1	1
Benthic Insectivore Species Richness	1	1
Water Column Species Richness	0	0
Terete minnow Species Richness	1	1
% Dominant	33.33	45.83
% White sucker	0.00	0.00
% Generalists	58.33	62.50
% Insectivores	25.00	33.33
% Top carnivore	8.33	4.17
Shannon Diversity	1.47	1.24
IBI Score	34	30
IBI Rating	Poor	Poor

INVERTEBRATES	YEAR	
Measure	2017	2019
Abundance	100	100
Richness	18	14
EPT Richness	13	11
NCO Richness	17	13
Diversity	2.33	1.35
Dominance-3	58	81
HBI	3.36	2.86
PMA	72	40
NBI-P	3.06	1.72
BAP	8.65	6.86
BAP Rating	Non	Slight





# POESTEN KILL SAMPLING DATA: SITE #13



## SITE DESCRIPTION:

Located on Plank Rd, just north of the intersection with Blue Factory Rd. Near the Barberville Falls Nature Preserved. The surrounding land is predominately residential homes. The riparian zone is lined with trees.

## SITE COORDINATES:

42.68382 N, -73.54057 W

2017 Downstream View



2017 Upstream View



WQ	YEAR
Measure	2017
Temperature	20.69
Conductivity	69
pH	6.86
Turbidity	1.1
Dissolved oxygen	8.9

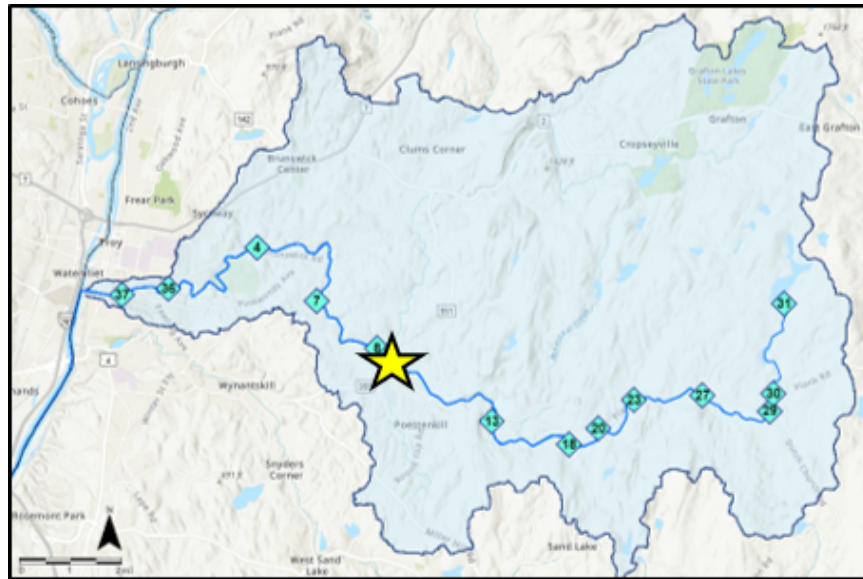
FISH SPP/COUNT	YEAR
Species	2017
<u>Blacknose Dace</u>	3
Creek Chub	1
Longnose Dace	13
Shiner Spp.	1

FISH IBI	YEAR
Measure	2017
Abundance	18
Total Species Richness	4
Native Species Richness	4
Exotic Species Richness	0
Benthic Insectivore Species Richness	1
Water Column Species Richness	0
Terete minnow Species Richness	1
% Dominant	72.22
% White sucker	0.00
% Generalists	22.22
% Insectivores	72.22
% Top carnivore	0.00
Shannon Diversity	0.85
IBI Score	30
IBI Rating	Poor

INVERTEBRATES	YEAR
Measure	2017
Abundance	100
Richness	19
EPT Richness	13
NCO Richness	18
Diversity	2.39
Dominance-3	56
HBI	3.75
PMA	65
NBI-P	3.13
BAP	8.53
BAP Rating	Non



# POESTEN KILL SAMPLING DATA: SITE #9



## SITE DESCRIPTION:

Located on Garfield Rd about 400 m north of Main St and the Poestenkill Fire Department. The surrounding land is predominately agricultural. The riparian zone is lined with trees and shrubs.

## SITE COORDINATES:

42.70163 N, -73.58137 W

2017 Downstream View



2017 Upstream View



2019 - Chain Pickerel



WQ	YEAR	
Measure	2017	2019
Temperature	20.49	17.58
Conductivity	75	86
pH	7.02	7.5
Turbidity	2.2	0
Dissolved oxygen	8.46	9.4

FISH SPP/COUNT	YEAR	
Species	2017	2019
American eel	1	2
Blacknose Dace	9	11
Brown Trout	0	2
Chain Pickerel	0	1
Common shiner	0	21
Creek Chub	5	3
Golden Shiner	0	1
Darter Spp.	2	0
Longnose Dace	14	4
Tessellated Darter	1	2

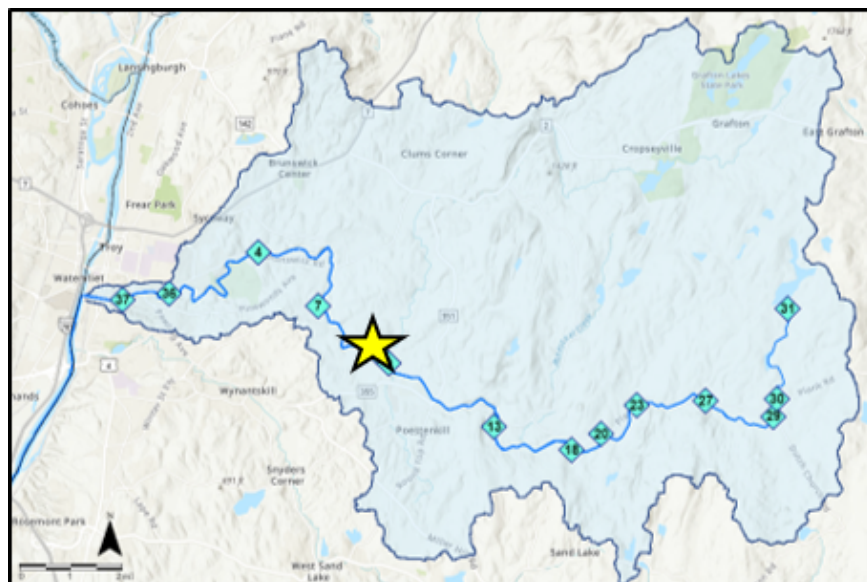
FISH IBI	YEAR	
Measure	2017	2019
Abundance	32	47
Total Species Richness	6	9
Native Species Richness	6	8
Exotic Species Richness	0	1
Benthic Insectivore Species Richness	3	2
Water Column Species Richness	0	0
Terete minnow Species Richness	1	1
% Dominant	43.75	44.68
% White sucker	0.00	0.00
% Generalists	43.75	76.60
% Insectivores	53.13	12.77
% Top carnivore	3.13	10.64
Shannon Diversity	1.39	1.65
IBI Score	38	34
IBI Rating	Fair	Poor

INVERTEBRATES	YEAR	
Measure	2017	2019
Abundance	100	100
Richness	11	11
EPT Richness	8	7
NCO Richness	10	10
Diversity	1.93	1.70
Dominance-3	60	75
HBI	3.22	4.07
PMA	36	51
NBI-P	4.00	2.62
BAP	6.65	6.39
BAP Rating	Slight	Slight





# POESTEN KILL SAMPLING DATA: SITE #8



## SITE DESCRIPTION:

This site is located at the Quacken Kill Public Fishing Access on Garfield Rd. Sampling occurred in Poesten Kill, immediately downstream of the confluence with Quacken Kill. The surrounding land is predominately agricultural. The riparian zone is lined with shrubs and trees.

## SITE COORDINATES:

442.70457 N, -73.58498 W

2017 Downstream View



2017 Upstream View



2017 - American Eel



WQ	YEAR	
Measure	2017	2019
Temperature	19.06	18.29
Conductivity	119	118
pH	7.05	7.83
Turbidity	1.1	0.2
Dissolved oxygen	8.94	9.37

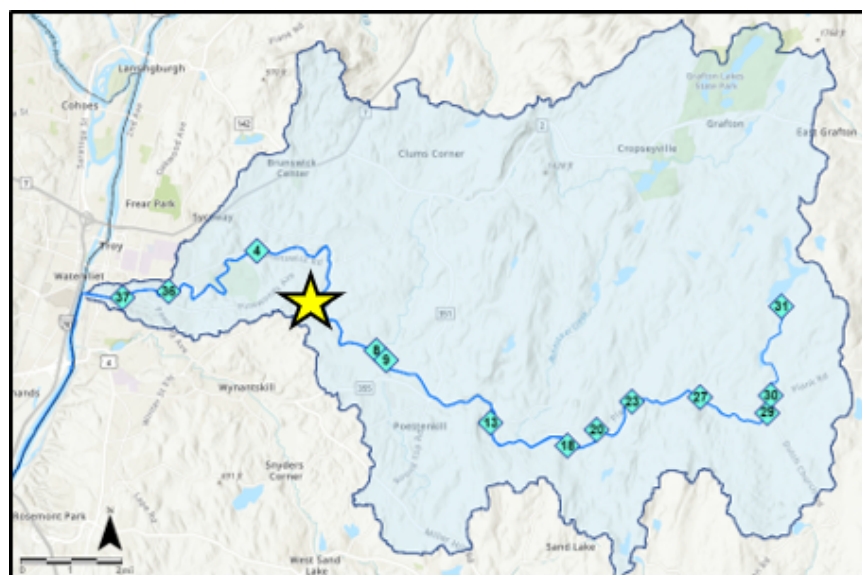
FISH SPP/COUNT	YEAR	
Species	2017	2019
American eel	2	0
Blacknose Dace	20	32
Brown Trout	0	10
Common shiner	3	0
Creek Chub	21	27
Longnose Dace	1	7
Pumpkinseed	3	0
Shiner Spp.	1	0
Tessellated Darter	11	3
White Sucker	6	0

FISH IBI	YEAR	
Measure	2017	2019
Abundance	68	79
Total Species Richness	9	5
Native Species Richness	9	4
Exotic Species Richness	0	1
Benthic Insectivore Species Richness	2	2
Water Column Species Richness	0	0
Terete minnow Species Richness	1	1
% Dominant	30.88	40.51
% White sucker	8.82	0.00
% Generalists	77.94	74.68
% Insectivores	17.65	12.66
% Top carnivore	2.94	12.66
Shannon Diversity	1.73	1.33
IBI Score	32	32
IBI Rating	Poor	Poor

INVERTEBRATES	YEAR	
Measure	2017	2019
Abundance	100	100
Richness	15	17
EPT Richness	9	12
NCO Richness	14	16
Diversity	2.07	2.08
Dominance-3	64	63
HBI	3.94	4.11
PMA	70	63
NBI-P	4.36	4.53
BAP	7.88	8.14
BAP Rating	Non	Non



# POESTEN KILL SAMPLING DATA: SITE #7



## SITE DESCRIPTION:

Located on Creek Rd, approximately 0.5 miles south of Brunswick Rd at a Public Fishing Access location. The surrounding land is predominately made up of agriculture and residential homes. This site has a very wide stream width and is shallow. The riparian zone of the stream is lined with trees.

## SITE COORDINATES:

42.71778 N, -73.60834 W

2019 Downstream View



2019 Upstream View



WQ	YEAR	
Measure	2017	2019
Temperature	20.87	18.99
Conductivity	105	110
pH	7.19	7.7
Turbidity	3.3	0.1
Dissolved oxygen	9.1	9.24

FISH SPP/COUNT	YEAR	
Species	2017	2019
<u>Blacknose Dace</u>	6	14
Brown Trout	0	1
Common shiner	0	5
Creek Chub	1	7
Longnose Dace	2	7
Pumpkinseed	1	0
<u>Spotfin Shiner</u>	0	12
Tessellated Darter	30	13
White Sucker	3	0

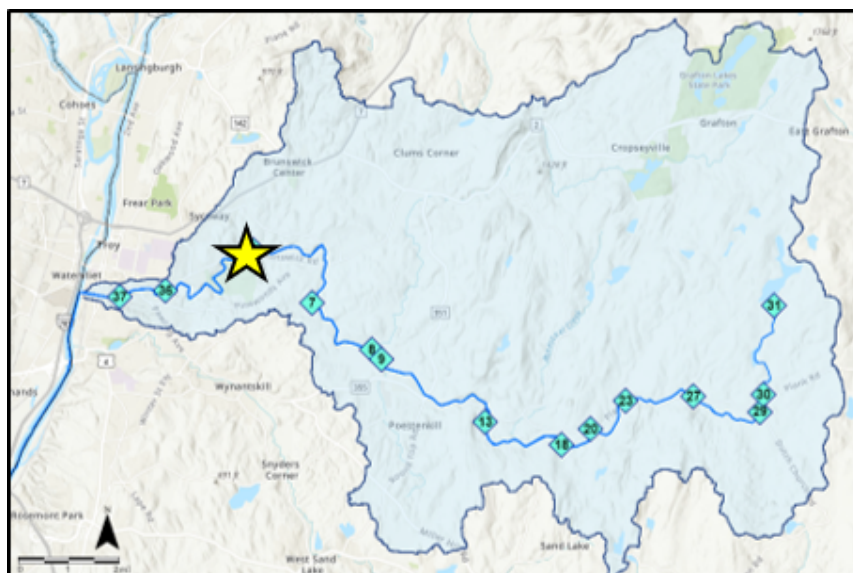
FISH IBI	YEAR	
Measure	2017	2019
Abundance	43	59
Total Species Richness	6	7
Native Species Richness	6	6
Exotic Species Richness	0	1
Benthic Insectivore Species Richness	2	2
Water Column Species Richness	0	1
Terete minnow Species Richness	1	2
% Dominant	69.77	23.73
% White sucker	6.98	0.00
% Generalists	25.58	44.07
% Insectivores	74.42	45.90
% Top carnivore	0.00	1.69
Shannon Diversity	1.02	1.78
IBI Score	32	40
IBI Rating	Poor	Fair

INVERTEBRATES	YEAR	
Measure	2017	2019
Abundance	100	100
Richness	10	18
EPT Richness	7	11
NCO Richness	10	17
Diversity	1.88	2.33
Dominance-3	70	57
HBI	3.29	5.09
PMA	28	87
NBI-P	3.98	4.91
BAP	6.16	8.36
BAP Rating	Slight	Non





# POESTEN KILL SAMPLING DATA: SITE #4



## SITE DESCRIPTION:

Located north of the intersection of Brunswick Rd (Rte 2) and Shippey Lane. The surrounding land is predominately made up of forest and residential homes. The riparian zone is lined with trees.

## SITE COORDINATES:

42.73293 N, -73.63136 W

2017 Downstream View



2017 Upstream View



2019 - Brownhead Bull



WQ	YEAR	
Measure	2017	2019
Temperature	21.49	19.07
Conductivity	110	116
pH	7.73	7.88
Turbidity	4.8	0
Dissolved oxygen	9.04	9.46

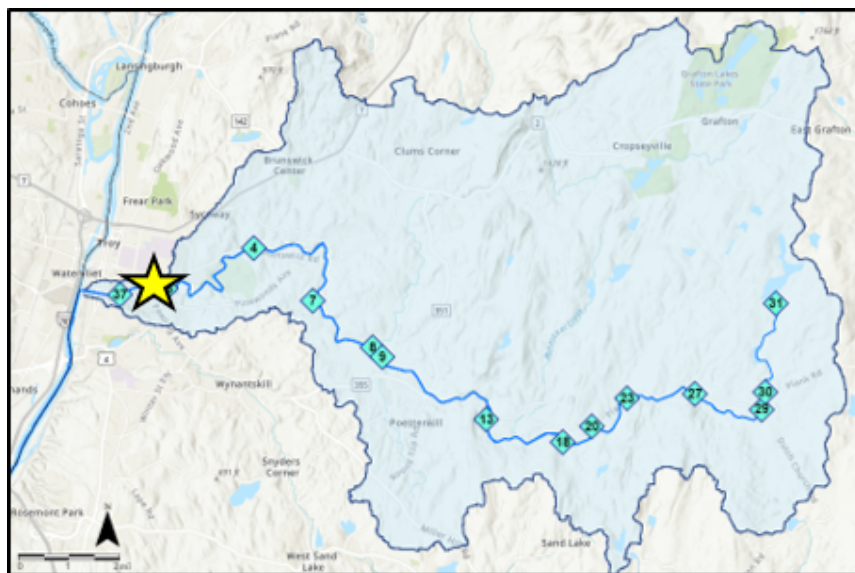
FISH SPP/COUNT	YEAR	
Species	2017	2019
American eel	1	0
Blacknose Dace	39	1
Brown Bullhead	0	1
Common shiner	0	2
Creek Chub	12	4
Longnose Dace	16	27
Pumpkinseed	2	0
Spotfin Shiner	1	1
Tessellated Darter	4	0
White Sucker	1	0
Yellow Perch	1	0

FISH IBI	YEAR	
Measure	2017	2019
Abundance	77	36
Total Species Richness	9	6
Native Species Richness	9	6
Exotic Species Richness	0	0
Benthic Insectivore Species Richness	2	1
Water Column Species Richness	1	1
Terete minnow Species Richness	1	2
% Dominant	50.65	75.00
% White sucker	1.30	0.00
% Generalists	70.13	22.22
% Insectivores	26.97	76.00
% Top carnivore	2.60	0.00
Shannon Diversity	1.43	0.92
IBI Score	34	34
IBI Rating	Poor	Poor

INVERTEBRATES	YEAR	
Measure	2017	2019
Abundance	100	100
Richness	14	14
EPT Richness	8	11
NCO Richness	13	13
Diversity	1.89	2.06
Dominance-3	67	61
HBI	3.91	5.27
PMA	39	75
NBI-P	6.32	5.62
BAP	8.28	9.35
BAP Rating	Non	Non



# POESTEN KILL SAMPLING DATA: SITE #36



## SITE DESCRIPTION:

Located immediately north of the Elmwood Hill Cemetery, located off of Pinewoods Ave. Access to the site occurred from the northern edge of the cemetery. The surrounding land is predominately forest. The riparian zone is lined with shrubs and trees. This site sits below a cemetery.

## SITE COORDINATES:

42.72135 N, -73.66551 W

2017 Largemouth Bass



2019 Upstream View



2019 Rock Bass



WQ	YEAR	
Measure	2017	2019
Temperature	21.26	17.8
Conductivity	123	134
pH	7.94	7.84
Turbidity	3.7	0
Dissolved oxygen	9.79	9.71

FISH SPP/COUNT	YEAR	
Species	2017	2019
American eel	1	0
Blacknose Dace	0	4
Bluegill	5	1
Common shiner	0	7
Creek Chub	1	7
Largemouth Bass	1	0
Longnose Dace	0	2
Pumpkinseed	4	0
Rock Bass	3	9
Spotfin Shiner	2	2
Tessellated Darter	3	4
White Sucker	0	1
Yellow Perch	1	0

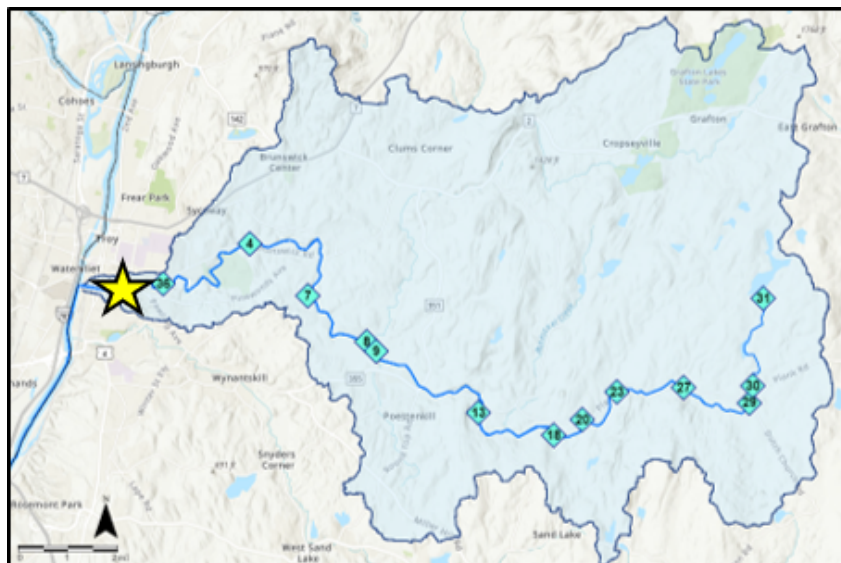
FISH IBI	YEAR	
Measure	2017	2019
Abundance	21	37
Total Species Richness	9	9
Native Species Richness	9	9
Exotic Species Richness	0	0
Benthic Insectivore Species Richness	1	2
Water Column Species Richness	1	1
Terete minnow Species Richness	1	2
% Dominant	23.81	24.32
% White sucker	0.00	2.70
% Generalists	47.62	54.05
% Insectivores	16.29	18.22
% Top carnivore	28.57	24.32
Shannon Diversity	2.02	1.96
IBI Score	34	38
IBI Rating	Poor	Fair

INVERTEBRATES	YEAR	
Measure	2017	2019
Abundance	100	100
Richness	17	13
EPT Richness	12	7
NCO Richness	16	12
Diversity	2.23	1.72
Dominance-3	60	79
HBI	3.99	5.19
PMA	45	51
NBI-P	4.87	6.47
BAP	7.56	8.25
BAP Rating	Non	Non





# POESTEN KILL SAMPLING DATA: SITE #37



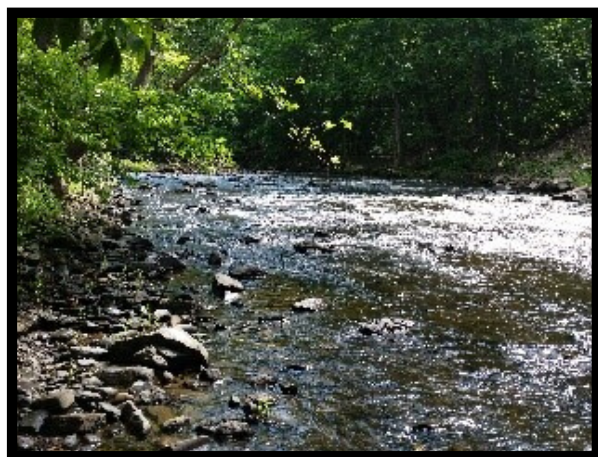
## SITE DESCRIPTION:

Located at end of Hill St, immediately northwest of Poesten Kill Gorge Park. The surrounding land is predominately made up of residential homes. This site marks the furthest downstream site closest to the Hudson River. The surrounding banks slope down at a very steep angle making this site difficult to access.

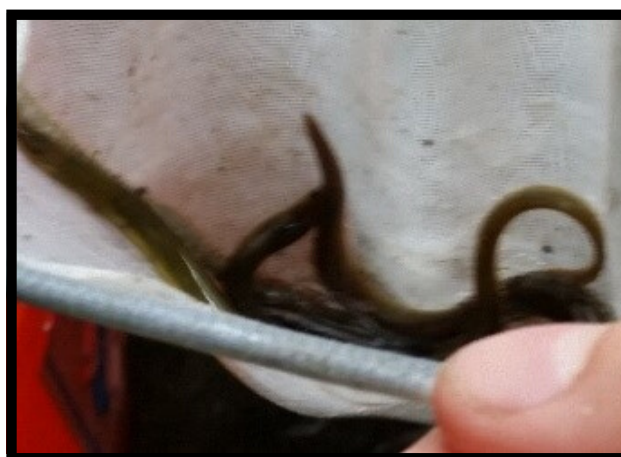
## SITE COORDINATES:

42.71952 N, -73.68353 W

2017 Upstream View



2019 American Eel



WQ	YEAR	
Measure	2017	2019
Temperature	20.33	18.14
Conductivity	156	139
pH	7.65	7.86
Turbidity	2.1	0.9
Dissolved oxygen	9.42	9.66

FISH SPP/COUNT	YEAR	
Species	2017	2019
American eel	24	12
Rock Bass	0	1

FISH IBI	YEAR	
Measure	2017	2019
Abundance	24	13
Total Species Richness	1	2
Native Species Richness	1	2
Exotic Species Richness	0	0
Benthic Insectivore Species Richness	0	0
Water Column Species Richness	0	0
Terete minnow Species Richness	0	0
% Dominant	100.00	92.31
% White sucker	0.00	0.00
% Generalists	0.00	0.00
% Insectivores	0.00	0.00
% Top carnivore	100.00	100.00
Shannon Diversity	0.00	0.27
IBI Score	32	32
IBI Rating	Poor	Poor

INVERTEBRATES	YEAR	
Measure	2017	2019
Abundance	100	100
Richness	17	11
EPT Richness	14	9
NCO Richness	16	10
Diversity	2.34	1.46
Dominance-3	55	85
HBI	3.9	5.33
PMA	40	51
NBI-P	4.19	5.88
BAP	7.62	8.27
BAP Rating	Non	Non