

FRESHWATER FISH MANAGEMENT DATABASE REPORT

Disclaimer:

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Survey Data Passaic River:

Survey Date: Monday, September 15, 1975 Reason: Classification

Survey Location:

County: Passaic Site Alternate Name:

Township: Paterson City

Latitude (DMS): 40 54 56

NJDEP Watershed: Passaic River - Upper
Longitude (DMS): 74 10 52

USGS Quad: PATERSON NJ

LOCATION:

Pennington Path - above falls

| Survey I | Details | s: |
|----------|---------|----|
|----------|---------|----|

Crew: Soldwedel Entered by: TLS 09/25/1997

Weather: Air Temperature: C. Survey ID: 607025402

SURVEY NOTES: Slight gradient

| Water Chemistry: | | | | | | | | | |
|-------------------------|--------------|------------|------|----------|---------|------------|--------|-------|------|
| Depth(m) Location Notes | Conductivity | Alkalinity | рН | kNitrate | Total P | Water Temp | Diss O | % Sat | Time |
| | 300 | | 7.60 | | · | 17.8 | 5.9 | | |



Report Version 2.0

| Habitat: | |
|---------------------|---------------------------|
| HABITAT NOTES: | |
| | |
| | |
| AQUATIC VEGETATION: | SUBSTRATE: |
| | Abundance: (%) Substrate: |
| | 0 Muck |
| | |
| | |
| | |



FRESHWATER FISH MANAGEMENT DATABASE REPORT

Passaic River:

Survey Date: Monday, September 15, 1975 Reason: Classification

| Fish Samples | : : | | | | | | | | |
|-------------------|--------------|------------------|-------------------------------------|----------------|-------------|--------------------------|--------|-------------------------|-----|
| SAMPLE# | GEAR: | | | | | Sample | Depth: | 0 m. | |
| 1 | EF - AC stre | eam rig - 2 or 3 | m rig - 2 or 3 paddle | | | | CPUE: | | |
| Sample Location | /Notes: | Age Gr | Age Group Definition Electro | | | | | pplicable) | |
| | | | ung of the yea rmediate. ult. | r. | | rrent type: sed Time: | 0 | Voltage: utput Mode: | |
| Fish Collecte | ed | | | | | | | | |
| Species Name | | Number | Length (mm | n) Weight (kg) | Length (in) | Weight (lb) | Age | Age Class | Sex |
| Alewife | | 4 | 0 | 0.091 | 0.00 | 0.20 | | | |
| Bass, Largemou | th | 4 | 0 | 0.045 | 0.00 | 0.10 | | 0 | |
| Bass, Largemou | th | 2 | 0 | 0.159 | 0.00 | 0.35 | | I | |
| Bullhead, Brown | | 1 | 0 | 0.204 | 0.00 | 0.45 | | Α | |
| Bullhead, Brown | | 1 | 0 | 0.136 | 0.00 | 0.30 | | I | |
| Carp, Common | | 2 | 0 | 6.803 | 0.00 | 15.00 | | Α | |
| Crappie, Black | | 3 | 0 | 0.227 | 0.00 | 0.50 | | >5" | |
| Eel, American | | 3 | 0 | 1.134 | 0.00 | 2.50 | | | |
| Goldfish | | 1 | 0 | 0.227 | 0.00 | 0.50 | | Α | |
| Pickerel, Redfin | | 1 | 0 | 0.045 | 0.00 | 0.10 | | <12" | |
| Shiner, Golden | | 2 | 0 | 0.068 | 0.00 | 0.15 | | | |
| Sucker, White | | 3 | 0 | 0.454 | 0.00 | 1.00 | | <12" | |
| Sucker, White | | 1 | 0 | 0.680 | 0.00 | 1.50 | | >12" | |
| Sunfish, Bluegill | | 4 | 0 | 0.045 | 0.00 | 0.10 | | 0 | |
| Sunfish, Bluegill | | 1 | 0 | 0.159 | 0.00 | 0.35 | | I | |
| Sunfish, Pumpki | nseed | 16 | 0 | 0.317 | 0.00 | 0.70 | | I | |
| Sunfish, Pumpki | nseed | 6 | 0 | 0.317 | 0.00 | 0.70 | | Α | |
| Sunfish, Pumpki | nseed | 3 | 0 | 0.027 | 0.00 | 0.06 | | 0 | |
| Sunfish, Redbrea | ast | 3 | 0 | 0.181 | 0.00 | 0.40 | | >5" | |
| Sunfish, Redbrea | aet | 1 | 0 | 0.045 | 0.00 | 0.10 | | <5" | |



| Species List: | | | Passaic | | 9/15/1975 n Path - above falls | |
|----------------------|--------------|--------------------|---------|---------|-----------------------------------|--|
| Species Name: | Total Number | Young of the Year? | Minimum | Maximum | | |
| Alewife | 4 | | 0 | 0 | | |
| Bass, Largemouth | 6 | | 0 | 0 | | |
| Bullhead, Brown | 2 | | 0 | 0 | | |
| Carp, Common | 2 | | 0 | 0 | | |
| Crappie, Black | 3 | | 0 | 0 | | |
| Eel, American | 3 | | 0 | 0 | | |
| Goldfish | 1 | | 0 | 0 | | |
| Pickerel, Redfin | 1 | | 0 | 0 | | |
| Shiner, Golden | 2 | | 0 | 0 | | |
| Sucker, White | 4 | | 0 | 0 | | |
| Sunfish, Bluegill | 5 | | 0 | 0 | | |
| Sunfish, Pumpkinseed | 25 | | 0 | 0 | | |
| Sunfish, Redbreast | 4 | | 0 | 0 | | |



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Survey Data Passaic River:

Survey Date: Tuesday, October 6, 2015 Reason: Northern Pike Assessment

Survey Location:

County: Essex Site Alternate Name:

Township: Fairfield Boro Latitude (DMS): 40 53 49.2

NJDEP Watershed: Passaic River - Upper

Longitude (DMS): 74 16 44.4

USGS Quad: PATERSON NJ

LOCATION:

Camp Lane, 3109 m upstream

Survey Details:

Crew: M. Boriek, R. Preston, C. Groghan Entered by: CW 11/13/2015

Weather: Sunny Air Temperature: 21 C. Survey ID: -245994277

| Water Chemistry: | | | | | | | | |
|-------------------------|--------------|------------|-------------|---------|------------|--------|-------|-------|
| Depth(m) Location Notes | Conductivity | Alkalinity | pH kNitrate | Total P | Water Temp | Diss O | % Sat | Time |
| 0 | 484.8 | | 7.38 | | 14.3 | 5.42 | | 14:30 |



Report Version 2.0

| Habitat: | | |
|---------------------|----------------|------------|
| HABITAT NOTES: | | |
| | | |
| | | |
| AQUATIC VEGETATION: | SUBSTRATE: | |
| | Abundance: (%) | Substrate: |
| | 20 | Cobble |
| | 20 | Pebble |
| | 20 | Sand |
| | 40 | Silt |



FRESHWATER FISH MANAGEMENT DATABASE REPORT

Passaic River:

Survey Date: Tuesday, October 6, 2015 Reason: Northern Pike Assessment

| Fish Samples | 5: | | | | | | | | |
|----------------------------|-----------------|-------------|----------------|-------------|--|-------------|-------|--------------|-----|
| SAMPLE# | GEAR: | | | | | Sample | Depth | : 0 m. | |
| 1 | EF - 14 ft. Smi | th-Root Boa | nt (DC) | | | | CPUE | i: | |
| Sample Location | n/Notes: | Age Gr | oup Definition | | Electrofishing Setttings (if applicable) | | | | |
| Camp Lane, 3109 m upstream | | | | | Cur | rent type: | | Voltage: | |
| | | | | | Elaps | sed Time: | 56 C | Output Mode: | |
| Fish Collecte | ed | , | | | | | | | |
| Species Name | | Number | Length (mm) | Weight (kg) | Length (in) | Weight (lb) | Age | Age Class | Sex |
| Bullhead, Brown | | 2 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Carp, Common | | 3 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Perch, Yellow | | 6 | 0 | 0.000 | 0.00 | 0.00 | | | |
| | | 2 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Pike, Northern | | | 0 | 0.000 | 0.00 | 0.00 | | | |



| Species List: | | | Passaic | | 10/6/2015 np Lane, 3109 m upstream | | |
|-----------------|--------------|--------------------|---------|---------|---------------------------------------|--|--|
| Species Name: | Total Number | Young of the Year? | Minimum | Maximum | | | |
| Bullhead, Brown | 2 | | 0 | 0 | | | |
| Carp, Common | 3 | | 0 | 0 | | | |
| Perch, Yellow | 6 | | 0 | 0 | | | |
| Pike, Northern | 2 | | 0 | 0 | | | |
| Sucker, White | 10 | | 0 | 0 | | | |



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Survey Data Passaic River:

Survey Date: Tuesday, October 6, 2015 Reason: Northern Pike Assessment

Survey Location:

County: Morris Site Alternate Name:

Township: Florham Park Boro

Latitude (DMS): 40 46 40.8

NJDEP Watershed: Passaic River - Upper

Longitude (DMS): 74 22 4.8

USGS Quad: CALDWELL NJ

LOCATION:

Columbia Turnpike (Route 510), 1897 m downstream

Survey Details:

Crew: M. Boriek, R. Preston, C. Groghan Entered by: CW 11/13/2015

Weather: Sunny Air Temperature: 21 C. Survey ID: 1447433854

| Water Chemistry: | | | | | | | | |
|-------------------------|--------------|------------|-------------|---------|------------|--------|-------|-------|
| Depth(m) Location Notes | Conductivity | Alkalinity | pH kNitrate | Total P | Water Temp | Diss O | % Sat | Time |
| 0 | 464.7 | | 7.49 | | 12.6 | 6.12 | | 11:30 |



Report Version 2.0

| Habitat: | | |
|---------------------|----------------|------------|
| HABITAT NOTES: | | |
| | | |
| | | |
| AQUATIC VEGETATION: | SUBSTRATE: | |
| | Abundance: (%) | Substrate: |
| | 25 | Pebble |
| | 25 | Sand |
| | 50 | Silt |
| | | |



FRESHWATER FISH MANAGEMENT DATABASE REPORT

Passaic River:

Survey Date: Tuesday, October 6, 2015 Reason: Northern Pike Assessment

| ish Samples | 5 : | | | | | | | | |
|--|-------------------|-----------|----------------|---------------|-------------|-----------------|-----------|--------------|-----|
| SAMPLE# | GEAR: | | | | | Sample | Depth: | : 0 m. | |
| 1 | EF - 14 ft. Smith | -Root Boa | at (DC) | | | | CPUE | : | |
| Sample Location | /Notes: | Age Gı | oup Definition | | Electrof | fishing Setttin | ıgs (if a | ipplicable) | |
| Columbia Turnpike (Route 510), 1897 m downstream | | | | | Curr | ent type: | | Voltage: | |
| | | | | | Elaps | ed Time: | 52 C | Output Mode: | |
| Fish Collecte | ed | | | | | | | | |
| Species Name | | Number | Length (mm |) Weight (kg) | Length (in) | Weight (lb) | Age | Age Class | Sex |
| Carp, Common | | 50 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Crappie, Black | | 1 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Perch, Yellow | | 75 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Pike, Northern | | 1 | 777 | 1.904 | 30.59 | 4.20 | | | |
| i ikc, ivoitiiciii | | 1 | 641 | 1.116 | 25.24 | 2.46 | | | |
| Pike, Northern | | | ~ | 1.264 | 24.29 | 2.79 | | | |
| | | 1 | 617 | 1.204 | 21.20 | - | | | |



| Species List: | | | Passaic Columbia Turnpike | | 10/6/2015 7 m downstream |
|----------------|--------------|--------------------|------------------------------|---------|-----------------------------|
| Species Name: | Total Number | Young of the Year? | Minimum | Maximum | |
| Carp, Common | 50 | | 0 | 0 | |
| Crappie, Black | 1 | | 0 | 0 | |
| Perch, Yellow | 75 | | 0 | 0 | |
| Pike, Northern | 3 | | 617 | 777 | |
| Shiner, Golden | 65 | | 0 | 0 | |



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Survey Data Passaic River:

Survey Date: Thursday, October 22, 2015 Reason: Northern Pike Assessment

Survey Location:

County: Bergen Site Alternate Name:

Township: Elmwood Park Boro

Latitude (DMS): 40 55 14.8

NJDEP Watershed: Passaic River - Upper

Longitude (DMS): 74 7 46.1

USGS Quad: PATERSON NJ

LOCATION:

River Road Boat Ramp, 3021 m upstream

Survey Details:

Crew: M. Boriek, R. Preston, C. Groghan Entered by: CW 11/13/2015

Weather: Partly cloudy Air Temperature: 23 C. Survey ID: -1367865521

SURVEY NOTES:

Boat angler returning to ramp from downstream caught 2 SMBs, 1 LMB, 2 Northern Pike (one was 28") at Route 46 bridge.

| Water Chemistry: | | | | | | | | |
|-------------------------|--------------|------------|-------------|---------|------------|--------|-------|-------|
| Depth(m) Location Notes | Conductivity | Alkalinity | pH kNitrate | Total P | Water Temp | Diss O | % Sat | Time |
| 0 | 673 | 0 | 7.97 | | 14.4 | 12.1 | | 11:30 |



Report Version 2.0

| Habitat: | | |
|---------------------|----------------|------------|
| HABITAT NOTES: | | |
| | | |
| | | |
| AQUATIC VEGETATION: | SUBSTRATE: | |
| | Abundance: (%) | Substrate: |
| | 10 | Pebble |
| | 10 | Sand |
| | 80 | Silt |
| | | |



FRESHWATER FISH MANAGEMENT DATABASE REPORT

Passaic River:

Survey Date: Thursday, October 22, 2015 Reason: Northern Pike Assessment

| SAMPLE # | GEAR: | | | | | | Sample | Depth: | 0 m | |
|---|---------------------|------------------------|----------------------|-------------|------|-----------|----------------|--------------------------|------------|-----|
| 1 | EF - 14 ft. Smith-R | . Smith-Root Boat (DC) | | | | | | CPUE | | |
| Sample Location/Not | es: | Age Gr | Age Group Definition | | | Electro | ishing Setttir | ıgs (if a | pplicable) | |
| River Road Boat Ran upstream. Boat angl from downstream cau | | | | | | ent type: | 130 C | Voltage: Output Mode: | | |
| Fish Collected | | | | | | | | | | |
| Species Name | | Number | Length (mm) | Weight (kg) | Leng | jth (in) | Weight (lb) | Age | Age Class | Sex |
| Bass, Largemouth | | 7 | 0 | 0.000 | 0. | .00 | 0.00 | | | |
| Bass, Smallmouth | | 10 | 0 | 0.000 | 0. | .00 | 0.00 | | | |
| Bullhead, Brown | | 25 | 0 | 0.000 | 0. | 00 | 0.00 | | | |
| Carp, Common | | 4 | 0 | 0.000 | 0. | 00 | 0.00 | | | |
| Chub, Creek | | 27 | 0 | 0.000 | 0. | 00 | 0.00 | | | |
| Eel, American | | 15 | 0 | 0.000 | 0. | 00 | 0.00 | | | |
| Perch, Yellow | | 35 | 0 | 0.000 | 0. | 00 | 0.00 | | | |
| Sunfish, Bluegill | | 1 | 0 | 0.000 | 0. | 00 | 0.00 | | | |
| | d | | 0 | 0.000 | | 00 | 0.00 | | | |



| Species List: | | | Passaic River Ro | | 10/22/2015 , 3021 m upstream | |
|----------------------|--------------|--------------------|---------------------|---------|---------------------------------|--|
| Species Name: | Total Number | Young of the Year? | Minimum | Maximum | | |
| Bass, Largemouth | 7 | | 0 | 0 | | |
| Bass, Smallmouth | 10 | | 0 | 0 | | |
| Bullhead, Brown | 25 | | 0 | 0 | | |
| Carp, Common | 4 | | 0 | 0 | | |
| Chub, Creek | 27 | | 0 | 0 | | |
| Eel, American | 15 | | 0 | 0 | | |
| Perch, Yellow | 35 | | 0 | 0 | | |
| Sunfish, Bluegill | 1 | | 0 | 0 | | |
| Sunfish, Pumpkinseed | 1 | | 0 | 0 | | |
| | | | | | | |



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Survey Data Passaic River:

Survey Date: Tuesday, October 11, 2016 Reason: Northern Pike Assessment

Survey Location:

County: Morris Site Alternate Name:

Township: Florham Park Boro

Latitude (DMS): 40 46 40.8

NJDEP Watershed: Passaic River - Upper

Longitude (DMS): 74 22 4.8

USGS Quad: MORRISTOWN

LOCATION:

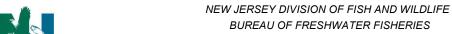
Columbia Turnpike (Route 510)

Survey Details:

Crew: M. Boriek, C. Sedor, S. Catton Entered by: CW 11/21/2016

Weather: Sunny Air Temperature: 18 C. Survey ID: 7424336

| Water Chemistry: | | | | | | | | |
|-------------------------|--------------|------------|-------------|---------|------------|--------|-------|-------|
| Depth(m) Location Notes | Conductivity | Alkalinity | pH kNitrate | Total P | Water Temp | Diss O | % Sat | Time |
| 0 | 400.9 | 79 | 7.80 | | 10.9 | 8.73 | | 11:25 |



Report Version 2.0



| Habitat: | |
|---------------------|------------|
| HABITAT NOTES: | |
| | |
| | |
| AQUATIC VEGETATION: | SUBSTRATE: |
| | |
| | |
| | |
| | |



FRESHWATER FISH MANAGEMENT DATABASE REPORT

Passaic River:

Survey Date: Tuesday, October 11, 2016 Reason: Northern Pike Assessment

| ish Samples | 3: | | | | | | | | |
|-------------------|-----------------|--|----------------|-------------|--|-----------------|-----------|------------|-----|
| SAMPLE# | GEAR: | | | | | Sample | Depth: | 0 m. | |
| 1 | EF - 14.5 ft. S | mith-root Bo | at (DC) | | | | CPUE | | |
| Sample Location | /Notes: | Age Gr | oup Definition | | Electro | fishing Setttin | ıgs (if a | pplicable) | |
| Columbia Turnpi | ke (Route 510) | O = Young of Year I = Intermediate A = Adult | | | Current type: Voltage: Elapsed Time: 2314 Output Mode: | | | | |
| Fish Collecte | ed | | | | · | | | | |
| Species Name | | Number | Length (mm) | Weight (kg) | Length (in) | Weight (lb) | Age | Age Class | Sex |
| Bass, Largemou | th | 5 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Bullhead, Brown | | 10 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Carp, Common | | 35 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Catfish, Channel | | 1 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Crappie, Black | | 15 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Eel, American | | 5 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Perch, Yellow | | 50 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Pike, Northern | | 1 | 837 | 4.190 | 32.95 | 9.24 | | | |
| Pike, Northern | | 1 | 619 | 1.348 | 24.37 | 2.97 | - | | |
| Pike, Northern | | 1 | 599 | 1.064 | 23.58 | 2.35 | | | |
| Pike, Northern | | 1 | 558 | 0.956 | 21.97 | 2.11 | | | |
| Shiner, Commor | 1 | 100 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Sucker, White | | 35 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Sunfish, Bluegill | | 17 | 0 | 0.000 | 0.00 | 0.00 | | | |



| Species List: | | | Passaic | | 10/11/2016 Turnpike (Route 510 | |
|-------------------|--------------|--------------------|---------|---------|-----------------------------------|--|
| Species Name: | Total Number | Young of the Year? | Minimum | Maximum | | |
| Bass, Largemouth | 5 | | 0 | 0 | | |
| Bullhead, Brown | 10 | | 0 | 0 | | |
| Carp, Common | 35 | | 0 | 0 | | |
| Catfish, Channel | 1 | | 0 | 0 | | |
| Crappie, Black | 15 | | 0 | 0 | | |
| Eel, American | 5 | | 0 | 0 | | |
| Perch, Yellow | 50 | | 0 | 0 | | |
| Pike, Northern | 4 | | 558 | 837 | | |
| Shiner, Common | 100 | | 0 | 0 | | |
| Sucker, White | 35 | | 0 | 0 | | |
| Sunfish, Bluegill | 17 | | 0 | 0 | | |



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Survey Data Passaic River:

Survey Date: Tuesday, October 11, 2016 Reason: Northern Pike Assessment

Survey Location:

County: Essex Site Alternate Name:

Township: Fairfield Boro

Latitude (DMS): 40 53 49.2

NJDEP Watershed: Passaic River - Upper

Longitude (DMS): 74 16 44.4

USGS Quad: POMPTON PLAINS NJ

LOCATION:

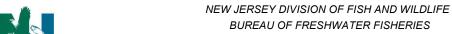
Camp Lane Boat Ramp

Survey Details:

Crew: M. Boriek, C. Sedor, S. Catton Entered by: CW 11/21/2016

Weather: Sunny Air Temperature: 18 C. Survey ID: 738899362

| Water Chemistry: | | | | | | | | |
|-------------------------|--------------|------------|-------------|---------|------------|--------|-------|-------|
| Depth(m) Location Notes | Conductivity | Alkalinity | pH kNitrate | Total P | Water Temp | Diss O | % Sat | Time |
| 0 | 853 | 139 | 7.63 | | 14.3 | 7.39 | | 14:32 |



Report Version 2.0



| Habitat: | |
|---------------------|------------|
| HABITAT NOTES: | |
| | |
| | |
| AQUATIC VEGETATION: | SUBSTRATE: |
| | |
| | |
| | |
| | |



FRESHWATER FISH MANAGEMENT DATABASE REPORT

Passaic River:

Survey Date: Tuesday, October 11, 2016 Reason: Northern Pike Assessment

| ish Samples | S: | | | | | | | | |
|-----------------|-----------------|--------------|--|-------------|-------------|----------------------------|-----------|--------------------------|-----|
| SAMPLE# | GEAR: | | | | | Sample | Depth | : 0 m. | |
| 1 | EF - 14.5 ft. S | mith-root Bo | at (DC) | | | | CPUE | | |
| Sample Location | n/Notes: | Age Gı | oup Definition | | Electro | fishing Setttin | ıgs (if a | ipplicable) | |
| Camp Lane Boa | t Ramp | I = Inte | O = Young of Year I = Intermediate A = Adult | | | rent type: sed Time: 52 | 252 C | Voltage: Output Mode: | |
| Fish Collecte | ed | 1 | | | ' | | | | |
| Species Name | | Number | Length (mm) | Weight (kg) | Length (in) | Weight (lb) | Age | Age Class | Sex |
| Bass, Largemou | th | 3 | 0 | | 0.00 | | | | |
| Bullhead, Brown | | 5 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Carp, Common | | 10 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Perch, Yellow | | 35 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Pickerel, Chain | | 1 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Pike, Northern | | 1 | 921 | 6.522 | 36.26 | 14.38 | | | |
| Pike, Northern | | 1 | 760 | 2.782 | 29.92 | 6.13 | | | |
| Pike, Northern | | 1 | 650 | 1.364 | 25.59 | 3.01 | | | |
| Pike, Northern | | 1 | 608 | 1.054 | 23.94 | 2.32 | | | |
| Pike, Northern | | 1 | 543 | 0.906 | 21.38 | 2.00 | | | |
| Pike, Northern | | 1 | 449 | 0.458 | 17.68 | 1.01 | | | |
| Pike, Northern | | 1 | 434 | 0.054 | 17.09 | 0.12 | | | |
| Pike, Northern | | 1 | 370 | 0.266 | 14.57 | 0.59 | | | |
| Sucker, White | | 10 | 0 | 0.000 | 0.00 | 0.00 | | | |
| , | | 17 | 0 | 0.000 | 0.00 | 0.00 | | | |



| Species List: | | | Passaid | | 10/11/2016 np Lane Boat Ramp |
|-------------------|--------------|--------------------|---------|---------|---------------------------------|
| Species Name: | Total Number | Young of the Year? | Minimum | Maximum | |
| Bass, Largemouth | 3 | | 0 | 0 | |
| Bullhead, Brown | 5 | | 0 | 0 | |
| Carp, Common | 10 | | 0 | 0 | |
| Perch, Yellow | 35 | | 0 | 0 | |
| Pickerel, Chain | 1 | | 0 | 0 | |
| Pike, Northern | 8 | | 370 | 921 | |
| Sucker, White | 10 | | 0 | 0 | |
| Sunfish, Bluegill | 17 | | 0 | 0 | |
| | | | | | |



FRESHWATER FISH MANAGEMENT DATABASE REPORT

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Survey Data Passaic River:

Survey Date: Wednesday, October 12, 2016 Reason: Northern Pike Assessment

Survey Location:

County: Bergen Site Alternate Name:

Township: Elmwood Park Boro

Latitude (DMS): 40 55 14.8

NJDEP Watershed: Passaic River - Upper

Longitude (DMS): 74 7 46.1

USGS Quad: HACKENSACK NJ

LOCATION:

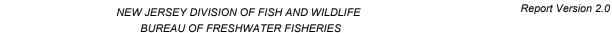
River Road Boat Ramp

Survey Details:

Crew: M. Boriek, C. Sedor, S. Catton Entered by: CW 11/21/2016

Weather: Sunny Air Temperature: 16 C. Survey ID: -1949509119

| Water Chemistry: | | | | | | | | |
|-------------------------|--------------|------------|-------------|---------|------------|--------|-------|-------|
| Depth(m) Location Notes | Conductivity | Alkalinity | pH kNitrate | Total P | Water Temp | Diss O | % Sat | Time |
| 0 | 695 | 106 | 8.13 | | 15.4 | 10.42 | | 12:13 |





| Habitat: | |
|---------------------|------------|
| HABITAT NOTES: | |
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| AQUATIC VEGETATION: | SUBSTRATE: |
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FRESHWATER FISH MANAGEMENT DATABASE REPORT

Passaic River:

Survey Date: Wednesday, October 12, 2016 Reason: Northern Pike Assessment

| SAMPLE# | GEAR: | | | | | Sample | e Depth | : 0 m | |
|---|-------------------------------|--------------|--------------------------------|-------------|----------|--|---------|--------------------------|-----|
| 1 | EF - 14.5 ft. Sr | nith-root Bo | at (DC) | | | | CPUE | i: | |
| Sample Locatio | n/Notes: | Age Gr | oup Definition | | Ele | Electrofishing Setttings (if applicable) | | | |
| River Road Boa Angel Fish obse | t Ramp erved, not captured | | ung of Year rmediate ult | | | Current type: lapsed Time: 2 | 2655 C | Voltage: Output Mode: | |
| Fish Collect | ed | | | | | | | | |
| Species Name | | Number | Length (mm) | Weight (kg) | Length (| (in) Weight (lb) | Age | Age Class | Sex |
| Bass, Smallmo | uth | 4 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Bullhead, Browr | 1 | 20 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Dullileau, biowi | | 13 | 0 | 0.000 | 0.00 | 0.00 | | | |
| | | 2 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Carp, Common | | | | | 0.00 | 0.00 | | | |
| Carp, Common Crappie, Black | | 3 | 0 | 0.000 | | | | | |
| Carp, Common Crappie, Black Eel, American | | 3 5 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Carp, Common Crappie, Black Eel, American Perch, Yellow Sucker, White | | | | | 0.00 | 0.00 0.00 | | | |



| Species List: | | | Passaid | | 10/12/2016 er Road Boat Ramp |
|-------------------|--------------|--------------------|---------|---------|---------------------------------|
| Species Name: | Total Number | Young of the Year? | Minimum | Maximum | |
| Bass, Smallmouth | 4 | | 0 | 0 | |
| Bullhead, Brown | 20 | | 0 | 0 | |
| Carp, Common | 13 | | 0 | 0 | |
| Crappie, Black | 2 | | 0 | 0 | |
| Eel, American | 3 | | 0 | 0 | |
| Perch, Yellow | 5 | | 0 | 0 | |
| Sucker, White | 7 | | 0 | 0 | |
| Sunfish, Bluegill | 6 | | 0 | 0 | |
| | | | | | |



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Survey Data Passaic River:

Survey Date: Thursday, September 28, 2017 Reason: Northern Pike Assessment

Survey Location:

County: Morris Site Alternate Name:

Township: Florham Park Boro

Latitude (DMS): 40 46 40.6

NJDEP Watershed: Passaic River - Upper

Longitude (DMS): 74 22 4.5

USGS Quad: MORRISTOWN

LOCATION:

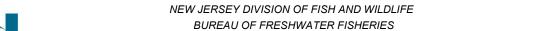
Columbia Turnpike (Route 510)

Survey Details:

Crew: Boriek, Catton, Sedor Entered by: CW 12/08/2017

Weather: Sunny Air Temperature: 23 C. Survey ID: -1310821453

| Water Chemistry: | | | | | | | |
|-------------------------|--------------|-----------------------|-----------|------------|--------|-------|------|
| Depth(m) Location Notes | Conductivity | Alkalinity pH kNitrat | e Total P | Water Temp | Diss O | % Sat | Time |
| 0 | 847 | 7.47 | | 21.6 | 5.49 | | 1145 |





FRESHWATER FISH MANAGEMENT DATABASE REPORT

Report Version 2.0

| Habitat: | |
|---------------------|------------|
| HABITAT NOTES: | |
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| AQUATIC VEGETATION: | SUBSTRATE: |
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FRESHWATER FISH MANAGEMENT DATABASE REPORT

Passaic River:

Survey Date: Thursday, September 28, 2017 Reason: Northern Pike Assessment

| Fish Samples | S: | | | | | | | | |
|-------------------|-----------------|--------------|--------------------------------|---------------|-------------|--------------------------|-----------|--------------------------|-----|
| SAMPLE# | GEAR: | | | | | Sample | Depth: | 0 m. | |
| 1 | EF - 14.5 ft. S | mith-root Bo | at (DC) | | CPUE: | | | | |
| Sample Location | /Notes: | Age Gr | oup Definition | | Electro | fishing Setttir | ngs (if a | pplicable) | |
| Columbia Turnpi | ke (Route 510) | | ung of Year rmediate ult | | | rent type: ed Time: 2 | .945 C | Voltage: Output Mode: | |
| Fish Collecte | ed | , | | | | | | | |
| Species Name | | Number | Length (mm) |) Weight (kg) | Length (in) | Weight (lb) | Age | Age Class | Sex |
| Bullhead, Brown | | 10 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Carp, Common | | 45 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Crappie, Black | | 17 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Eel, American | | 5 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Perch, White | | 15 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Perch, Yellow | | 25 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Pike, Northern | | 1 | 545 | 0.642 | 21.46 | 1.42 | | | |
| Pike, Northern | | 1 | 327 | 0.220 | 12.87 | 0.49 | | | |
| Shiner, Commor | ı | 500 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Sunfish, Bluegill | | 10 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Sunfish, Green | | 2 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Sunfish, Pumpki | nseed | 20 | 0 | 0.000 | 0.00 | 0.00 | | | |
| Sunfish, Redbre | ast | 25 | 0 | 0.000 | 0.00 | 0.00 | | | |



| Species List: | | | Passaic | | 9/28/2017 urnpike (Route 510) | |
|----------------------|--------------|--------------------|---------|---------|----------------------------------|--|
| Species Name: | Total Number | Young of the Year? | Minimum | Maximum | | |
| Bullhead, Brown | 10 | | 0 | 0 | | |
| Carp, Common | 45 | | 0 | 0 | | |
| Crappie, Black | 17 | | 0 | 0 | | |
| Eel, American | 5 | | 0 | 0 | | |
| Perch, White | 15 | | 0 | 0 | | |
| Perch, Yellow | 25 | | 0 | 0 | | |
| Pike, Northern | 2 | | 327 | 545 | | |
| Shiner, Common | 500 | | 0 | 0 | | |
| Sunfish, Bluegill | 10 | | 0 | 0 | | |
| Sunfish, Green | 2 | | 0 | 0 | | |
| Sunfish, Pumpkinseed | 20 | | 0 | 0 | | |
| Sunfish, Redbreast | 25 | | 0 | 0 | | |
| | | | | | | |



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Survey Data Passaic River:

Survey Date: Thursday, September 28, 2017 Reason: Northern Pike Assessment

Survey Location:

County: Essex Site Alternate Name:

Township: Fairfield Boro

Latitude (DMS): 40 53 52.062

NJDEP Watershed: Passaic River - Upper

Longitude (DMS): 74 16 46.963

USGS Quad: POMPTON PLAINS NJ

LOCATION:

Camp Lane, Boat Ramp

Survey Details:

Crew: Boriek, Catton, Sedor Entered by: CW 12/08/2017

Weather: Sunny Air Temperature: 23 C. Survey ID: -420537034

| Water Chemistry: | | | | | | | | | |
|-------------------------|--------------|------------|------|----------|---------|------------|--------|-------|------|
| Depth(m) Location Notes | Conductivity | Alkalinity | рН | kNitrate | Total P | Water Temp | Diss O | % Sat | Time |
| 0 | 1108 | 121.5 | 7.51 | | | 23.5 | 6.34 | | 1510 |



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| Habitat: | |
|---------------------|------------|
| HABITAT NOTES: | |
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| | |
| AQUATIC VEGETATION: | SUBSTRATE: |
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FRESHWATER FISH MANAGEMENT DATABASE REPORT

Passaic River:

Survey Date: Thursday, September 28, 2017 Reason: Northern Pike Assessment

| Fish Samples | : : | | | | | | | | | |
|---|------------------|-------------------|--|----------------|------------|--|--------------|-----------|------------|-----|
| SAMPLE# | GEAR: | | | | | | Sample | Depth: | 0 m | |
| 1 | EF - 14.5 ft. Sm | ith-root Bo | at (DC) | | CPUE: | | | | : | |
| Sample Location/Notes: | | | Age Group Definition Electrofish | | | | ing Setttin | ngs (if a | pplicable) | |
| Camp Lane, Boat Ramp | | | O = Young of Year I = Intermediate A = Adult | | | Current type: Voltage: Elapsed Time: 6439 Output Mode: | | | | |
| Fish Collecte | ed | ' | | | <u> </u> | | | | | |
| Species Name | | Number | Length (mm) | Weight (kg) | Lengt | th (in) W | eight (lb) | Age | Age Class | Sex |
| Bass, Largemou | th | 3 | 0 | 0.000 | 0.0 | 00 | 0.00 | | | |
| Bullhead, Brown | | 7 | 0 | 0.000 | 0.0 | 00 | 0.00 | | | |
| Perch, White | | 25 | 0 | 0.000 | 0.0 | 00 | 0.00 | | | |
| Perch, Yellow | | 15 | 0 | 0.000 | 0.0 | 00 | 0.00 | | | |
| , | | г | 0 | 0.000 | 0.0 | 20 | 0.00 | | | |
| • | | 5 | 0 | 0.000 | 0.0 | JU | 0.00 | | | |
| Pickerel, Redfin | | 1 | 624 | 1.548 | 24. | | 3.41 | | | |
| Pickerel, Redfin Pike, Northern | | 1 1 | | | | 57 | | | | |
| Pickerel, Redfin Pike, Northern Pike, Northern | | 1 1 | 624 | 1.548 | 24. | 57 67 | 3.41 | | | |
| Pickerel, Redfin Pike, Northern Pike, Northern Pike, Northern Sunfish, Bluegill | | 1 1 1 20 | 624 525 | 1.548 0.722 | 24. 20. | 57 67 84 | 3.41 1.59 | | | |



| Species List: | | | Passaic | | 9/28/2017 Lane, Boat Ramp |
|----------------------|--------------|--------------------|---------|---------|------------------------------|
| Species Name: | Total Number | Young of the Year? | Minimum | Maximum | |
| Bass, Largemouth | 3 | | 0 | 0 | |
| Bullhead, Brown | 7 | | 0 | 0 | |
| Perch, White | 25 | | 0 | 0 | |
| Perch, Yellow | 15 | | 0 | 0 | |
| Pickerel, Redfin | 5 | | 0 | 0 | |
| Pike, Northern | 3 | | 377 | 624 | |
| Sunfish, Bluegill | 20 | | 0 | 0 | |
| Sunfish, Pumpkinseed | 25 | | 0 | 0 | |
| | | | | | |



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Survey Data Passaic River:

Survey Date: Thursday, October 19, 2017 Reason: Northern Pike Assessment

Survey Location:

County: Passaic Site Alternate Name:

Township: Hawthorne Boro

Latitude (DMS): 40 56 27.8

NJDEP Watershed: Passaic River - Upper

Longitude (DMS): 74 9 1.5

USGS Quad: HACKENSACK NJ

LOCATION:

Warganaw Road, Waganaw Athletic Fields

Survey Details:

Crew: Boriek, Sedor, Powers Entered by: CW 12/08/2017

Weather: Sunny Air Temperature: 16 C. Survey ID: -128934374

| Water Chemistry: | | | | | | | | |
|-------------------------|--------------|------------|-------------|---------|------------|--------|-------|------|
| Depth(m) Location Notes | Conductivity | Alkalinity | pH kNitrate | Total P | Water Temp | Diss O | % Sat | Time |
| 0 | 82.5 | 106 | 7.69 | | 15.4 | 7.51 | | 1130 |



| Habitat: | |
|---------------------|------------|
| HABITAT NOTES: | |
| | |
| | |
| AQUATIC VEGETATION: | SUBSTRATE: |
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FRESHWATER FISH MANAGEMENT DATABASE REPORT

Passaic River:

Survey Date: Thursday, October 19, 2017 Reason: Northern Pike Assessment

| Fish Samples: | | | | | | | | | |
|---|------------------------------------|--|-------------|------|--|-----------------------------------|----------|-----------|----------|
| SAMPLE # GEAR: | | | | | | Sample | Depth | : 0 m | ١. |
| 1 EF - 14.5 ft. S | EF - 14.5 ft. Smith-root Boat (DC) | | | | | | CPUE | | |
| Sample Location/Notes: | es: Age Group Definition Elect | | | | Electrof | fishing Setttings (if applicable) | | | |
| Warganaw Road, Waganaw Athletic Fields | | O = Young of Year I = Intermediate A = Adult | | | Current type: Voltage: Elapsed Time: 3641 Output Mode: | | | | |
| Fish Collected | Number | Law math (manna) | Maint (lan) | | th (in) | M ainh4 (lb) | A | Ana Class | 0 |
| Species Name | Number | Length (mm) | 0.000 | Leng | <u> </u> | | Age | Age Class | Sex |
| Bass, Largemouth | 3 | 0 | | | | 0.00 | | | |
| Bass, Rock | 1 | 0 | 0.000 | 0.0 | | 0.00 | | | |
| Bass, Smallmouth | 2 | 0 | 0.000 | 0.0 |)0 | 0.00 | | | |
| Carp, Common | 65 | 0 | 0.000 | 0.0 | 00 | 0.00 | | | |
| Eel, American | 6 | 0 | 0.000 | 0.0 | 00 | 0.00 | | | |
| | 2 | 0 | 0.000 | 0.0 | 00 | 0.00 | - | | |
| Pike, Northern | 1 | 624 | 1.566 | 24. | 57 | 3.45 | | | |
| | | | | 0.0 | 10 | 0.00 | | | |
| Pike, Northern Pike, Northern Sucker, White | 7 | 0 | 0.000 | 0.0 | ,0 | 0.00 | | | |



| Species List: | | Passaic Wargana | 10/19/2017 maw Athletic Fields | | |
|--------------------|--------------|--------------------|-----------------------------------|---------|--|
| Species Name: | Total Number | Young of the Year? | Minimum | Maximum | |
| Bass, Largemouth | 3 | | 0 | 0 | |
| Bass, Rock | 1 | | 0 | 0 | |
| Bass, Smallmouth | 2 | | 0 | 0 | |
| Carp, Common | 65 | | 0 | 0 | |
| Eel, American | 6 | | 0 | 0 | |
| Pike, Northern | 3 | | 0 | 624 | |
| Sucker, White | 7 | | 0 | 0 | |
| Sunfish, Redbreast | 20 | | 0 | 0 | |
| | | | | | |