# Appendix C

# Fish Data Sheets

# ENVIROSCIENCE, INC. FISH DATA SHEET

rew: J. Reiss, S. Lockard, B. Smith, L. Ruchlin

e: 9/21 Time of Day: 10:20 Clients: USACE

er/Stream: Mahoning River River Mile: 45.5 Location: Davis Levittsburg Rd.

ple Type: Boat Electrofisher Distance Fished: 500m Time Fished:

l Seconds Fished: 3028 Average Depth of Sample: .5ft – 3ft

erved Flow: normal Number of Species: 15

on Number: SK/S1-082103 G.P.S. Reading:

| ecies | Total Weight | Total Counted | Weight (Grams)/Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| walleye | .415kg ✓ | 1 | 415g / 37cm | | | | | | | | | |
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| | | | | | | | | | | | | |
| all mouth bass | 1.297kg ✓ | 4 | 264g / 25cm | 469g / 32cm | 224g / 26.5cm | 168g / 22cm | 172g / 22cm | | | | | |
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22.78

ved Oxygen: 7.22

ctivity: 327

7.66

slow

~1ft

DATA RECORDER, Name: B Smith

SIGNATURE: [signature]

# EnviroScience Fish Data Sheet

**Station Number:** 1 **Sample ID Number:** S1-092103

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| White Sucker | .524 kg | 1 | 524g / 35cm | | | | | | | | | |
| Rock bass | 1.385 kg | 10 | 225g / 20cm | 211 / 20.5cm | 148g / 18cm | 73g / 13cm | 78g / 14.5cm | L | | | | MAC |
| | | | 172g / 19cm | 163g / 19cm | 98g / 16cm | 157g / 19cm | 60g / 14cm | | | | | |
| Golden Red horse | 8.131 kg | 8 | 874g / 44cm | 958g / 44cm | 583g / 37cm | 791g / 41cm | 765g / 41cm | | | | | |
| | | | 1208 / 48cm | 982g / 42cm | 5.01(lb) / 58cm | | | | | | | |
| Yellow Perch | .194 kg | 2 | 107 / 20cm | 87g / 19cm | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 1 **Sample ID Number:** 81 - 082103

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hog Sucker | .207kg | 1 | 207g / 27cm | | | | | | | | | |
| Carp | 21.22kg | 8 | 3265g / 28cm | 14lbs / 80cm | 6.04lbs / 57cm | 6.02lbs / 59cm | 5.06lbs / 58cm | | | L | L | L |
| | | | 6.03lbs / 58cm | 5.0lbs / 56cm | 4.06lbs / 54cm | | | | | | | |
| Skinny Darter | .003kg | 1 | 3g / 5cm | | | | | | | | | |
| Black Crappie | .042kg | 1 | 42g / 15.5cm | | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 1 **Sample ID Number:** S1-082103

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blue gill sun fish | .113 kg ✓ | 4 | 39g / 12cm | 13g / 8cm | 26g / 9cm | 35g / 12cm | | | | | | |
| Pumpkin seed | .019kg ✓ | 1 | 19g / 10cm | | | | | | | | | |
| of fin niner | ~~.022kg~~ .011 Kg | 2 | ___ / 8cm ✱ | 11g / 7cm ✱ | | | | | | | | |
| lven shiner | .002 Kg | 1 | 2g / 5cm ✱ | | | | | | | | | |

✱ Take home

# EnviroScience Fish Data Sheet

Station Number: 1 Sample ID Number: 51 - 082103

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gizzard shad | .063 kg | 1 | 63g 19cm | | | | | | | | | |
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# ENVIROSCIENCE, INC. FISH DATA SHEET

ld Crew: S. Goebel, J. Bingham, P. Kovalcik, L. Rychlik

( /26 Time of Day: 2:15pm Clients: USACE

er/Stream: Mahoning River River Mile: Location: Warren OH - UPS. 422

ple Type: Boat Electrofish Distance Fished: 500m Time Fished:

l Seconds Fished: 3016 Average Depth of Sample: 3ft

erved Flow: Normal Number of Species: 24

on Number: 6 56-082603 G.P.S. Reading: 1kg 2.203 1bs 2.203

| ecies | Total Weight | Total Counted | Weight (Grams)/Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Golden Redhorse | 1.699kg | Not Tared | 7 1/2 lbs 50cm | 6.4 48 | | | | | | | | |
| Basket = 3 1/8 8oz | 13.8 lbs 3.8 10 lbs 4.54 kg | 13 1 | | | | | | | | | | |
| .128kg 3.5 | | | | | | | | | | | | |
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22.8

ved Oxygen: 7.2

ctivity: 351

7.67

Low

DATA RECORDER, Name: Paul Kovalcik

SIGNATURE: Paul Kovalcik

# EnviroScience Fish Data Sheet

**Station Number:** 6 **Sample ID Number:** _____

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Walleye | .43kg | 2 | 414 / 37 | 16g / 14 | | | | | | | | |
| Smallmouth Bass | 2.489 kg | 10 | 549 / 37 | 200 / 25 | 960 / 41 | 267 / 26 | 116 / 21 | | | | | |
| | | | 214 / 24.5 | 90 / 20.2 | / 17.5 | / 10.5 | 93g / 9.0 | | T | | | |
| Hog Sucker | .634 kg | 5 | 439 / 33.3 | / 21.2 | 111 / 11 | 70g / 18.5 | 14g / 11.1 | | | | | |
| White Sucker | ~~1.652~~ kg 1.660 kg | 3 | 661 / 39.4 | 641 / 39.2 | 358 / 32.3 | | | T | L | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 6 **Sample ID Number:** S6 - 082603

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Silver Redhorse | .217kg | 1 | 217/27 | | | | | | | | | |
| Rock Bass | 1.348kg | 12 | 173/20.5 | 132/18.5 | 168/19 | 141/18.2 | 107/17.3 | L | | | | |
| | | | 122/19 | 194/20.5 | /16.3 | /16 | 198/10.5 | Aw | | | | |
| | | | /12.0 | 113/15.0 | | | | L | | | | |
| Grass Pickerel | .042kg | 2 | 39/19 | # 3g/8.5 | | | | | | | | |
| Pumpkinseed Sunfish | .358 kg | 6 | 136g/17.8 | /13.1 | 118g/13.8 | 12.4 | 93g/13.3 | | | | | |
| | | | 16g/8.2 | | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 6 **Sample ID Number:** S6-052603

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies |
|---|---|---|---|---|---|---|---|---|
| Spotfin Shiner | .058 KY | 9 | 10.3 | 9.6 | 27g / 8.0 | 7.5 | 8g / 3.1 | |
| | | | 5.9 | 5.0 | 6.8 | 23g / 5.2 | | |
| Common Shiner | | | | | | | | |
| River Chub | .465 | 11 | 68 / 12.3 | 12.2 | 18.6 | 16.1 | 15 | |
| | | | 287 / 11.8 | 64 / 12.9 | 11.3 | 8.2 | 9.8 | |
| | | | 44g / 10.5 | | | | | |
| Yellow Perch | .202 | 3 | 104 / 20.5 | 38 / 15 | 40g / 17 | | | |

# EnviroScience Fish Data Sheet

Station Number: 6 Sample ID Number: S6-082603

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| White Crappie | .031kg | 1 | 31 / 14.5 | | | | | | | | | |
| Yellow Bullhead | .687kg | 2 | 448 / 29.6 | 239 / 24 | | | | | | | | |
| L sand Darter tern Sand arter | .001kg | 1 | 1g / 5.5 | | | | | | | | | |
| ded rter | .001kg | 1 | 1g / 4.5 | | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 6 **Sample ID Number:** S6-082603

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Largemouth Bass | .001 kg | 1 | 1g / 5.5 | | | | | | | | | |
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| Bluegill Sunfish | .011 kg | 14 | 9.0 | 10.5 | 8.8 | 12.5 | 8.7 | | | | | |
| | | | 11.3 | 135 / 7.5 | 9.0 | 14.2 | 55g / 8.5 | | | | | |
| | | | 6.0 | 11g / 7.5 | 3g / 7.2 | 7g / 6.5 | | | | | | |
| | | | | | | | | | | | | |
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| Green Sunfish | .078 kg | 3 | 12.5 | 17.2 | 38g / 9.8 | | | | | | | |
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| Striped Shiner | .086 kg | 5 | 7g / 7.5 | 15.0 | * 10.5 | * 9.8 | 47g / 11.5 | | | | | |
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# EnviroScience Fish Data Sheet

**Station Number:** 6 **Sample ID Number:** S6-082603

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bluntnose Minnow | .034 kg | 11 | E 8.1 | 6.5 | 7.5 | 6.8 | 6.6 | | | | | |
| | | | 5.2 | 6.8 | 8.4 | 7.1 | 5.5 | | | | | |
| | | | 29g 5.1 | | | | | | | | | |
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| | | | | | | | | | | | | |
| Common Carp 54.18 lbs | 26.39 kg 57 lb 1 oz (−) 3 lb 8 oz = 26 lb 3 oz | 8 | 59.0 | 65.0 | 26.0 | 57.0 | 61.0 | | L | | | |
| | | | 61.0 | 65.0 | 48.5 | | | E | L | | | |
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# ENVIROSCIENCE, INC. FISH DATA SHEET

ield Crew: S. Goebel, B. Smith, L. Rychlik, J. Krejsa

8/32 Time of Day: 9:30 Clients: [illegible]

iver/Stream: Mahoning River River Mile: 33.2 Location: W. Poole Ave. Niles

ample Type: Boat electrofisher Distance Fished: 500 M Time Fished: 2974.5

otal Seconds Fished: 2971 Average Depth of Sample: 2-4ft

bserved Flow: Normal Number of Species: 15

ation Number: Site 2 082203 G.P.S. Reading:

| Species | Total Weight | Total Counted | Weight (Grams)/Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Smallmouth Bass | 1.537kg | 5 | 448/31 | 357/29.5 | 557/32 | 91/20 | 84/18 | | | | | |
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| White Sucker | 3kg | 6 | 533/36 | 800/42 | 452/32.5 | 621/37 | 720/36 | ≤ | | | | |
| | | | 74/17.5 | | | | | | | | | |
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p: 25.62 DATA RECORDER, Name: Luke Rychlik

olved Oxygen: 6.20

luctivity: 358

7.95 SIGNATURE: [signature]

ty: Poor [illegible] inches

# EnviroScience Fish Data Sheet

**Station Number:** Site 2 **Sample ID Number:** 52-052203

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grass Pickerel | .015kg | 1 | 14/12 | | | | | | | | | |
| [illegible] | .212kg | 7 | 65/10.5 | 39/12.5 | 15/10 | 96/12.5 | 45/12 | | | | L | |
| | | | 6/5.5 | 6/5.5 | | | | | | | | |
| Longnose Dace | .218kg | 4 | 7/9 | 32/12 | 15/8 | 173/23 | | | | | | |
| [illegible] | .305kg | 6 | 46/13 | 60/13 | 65/14 | 62/15 | 56/2 | | | | | |
| | | | 11/[illegible] | | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** Site 2 **Sample ID Number:** S2-082203

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Green Sunfish | .018kg | 1 | 18/10 | | | | | | | | | |
| Rock Bass | .7kg | 5 | 64/14 | 183/20 | 72/15 | 212/20 | 169/19 | | | | L | |
| Blunt Mimow | .004kg | 1 | [illegible]/65 | | | | | | | | | |
| Longear Sunfish | .179kg | 2 | 120/18 | 59/14 | | | | D | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** Site 2 **Sample ID Number:** 52-082203

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Warmouth | .018kg | 1 | 13/[illegible] | | | | | | | | | |
| Spotfin Shiner | .006kg | 1 | 6/9 | | | | | | | | | |
| Brown Bull head | .61kg | 2 | 32[illegible]/26 | 288/26 | | | | | | | | |
| Spotted Sucker | .561kg | 2 | 291/29 | 270#/28 | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** SH-2 **Sample ID Number:** S2-082203

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 7.05 lbs / 60 | [illegible] / 44 | 10.0 / 69 | 8.11 / 57 | 8.11 / 61 | | | | L | |
| Carp | ~~13.49 kg~~ 15.896 kg | 5 | | | | | | | | | | |

# ENVIROSCIENCE, INC. FISH DATA SHEET

ld Crew: J. Krejsa, R. Smith, S. Goebel, C. Rychlik, J. Bingham, M. Calabro

[illegible] Time of Day: 1355 Clients: U.S. Army Corp

er/Stream: Mahoning River Mile: 28.7/28.5 Location: McDonald Steel

ple Type: Boat Electrofisher Distance Fished: 500 m Time Fished:

l Seconds Fished: 3107 Average Depth of Sample:

erved Flow: Normal Number of Species: 9

316 10 oz basket weight

on Number: McDonald Steel Site 3 G.P.S. Reading: N/A

082203

| ecies | Total Weight | Total Counted | Weight (Grams)/Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel Catfish | ~~16161 oz~~ ~~5.65 kg~~ 1.32 kg | 3 | 59.0 | 64.0 | 1320 g / 47.5 | | | | | | | |
| Black Red Horse | .686 kg | 1 | 686 g / 35.5 | | | | | | | | | |

32.45

ved Oxygen: 6.0

ctivity: 423

3.04

DATA RECORDER, Name: Sonia Goebel

SIGNATURE: Sonia N. Goebel

# EnviroScience Fish Data Sheet

**Station Number:** 3 **Sample ID Number:** 8 08 2203

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bluegill Sunfish | ~~.4 kg~~ .381 kg | 6 | 11g / 8.5 | 192g / 19.5 | 142 / 17.8 | / 8.0 | 19g / 8.6 | | | T | | |
| | | | 17g / 9.8 | | | | | | | | | |
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| | | | | | | | | | | | | |
| Green Sunfish | .147 kg | 2 | 84g / 15.0 | 65g / 14.5 | | | | | | | | |
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| Pumpkinseed Sunfish | .391 kg | 7 | 44g / 13.0 | 63g / 14.0 | 42g / 12.5 | 42g / 12.5 | 57g / 13.5 | | | | T | |
| | | | 90g / 15.0 | 56g / 13.0 | | | | | | | | |
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| Largemouth Bass | ~~.072 kg~~ .036 kg | 2 | / 9.8 | 36g / 11.5 | | | | | T | | | |
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# EnviroScience Fish Data Sheet

**Station Number:** 3 **Sample ID Number:** S3-082203

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Spotfin Shiner | .012kg | 1 | *12g / 9.6 | | | | | | | | | |
| Longear Sunfish | .225kg | 2 | *12g / 17.0 | 10.3g / 16.5 | | | | | | | | |
| Common Carp | 22.3kg | 8 | 58.5 | 54.5 | 57.0 | 61.0 | 53.0 | SW | | | E | |
| | | | 48.0 | 61.0 | 60.0 | | | | | | | |
| 3.8 basket | 52lb 120z | basket | | | | | | | | | | |

# ENVIROSCIENCE, INC. FISH DATA SHEET

d Crew: S. [illegible], L. [illegible], J. [illegible], K. [illegible], P. [illegible]

e: 8/27/2003 Time of Day: 10:30 Clients: USACE

er/Stream: Mahoning River Mile: 19.2 Location: Down Youngstown WWTP

ple Type: Boat Electrofishing Distance Fished: 500m Time Fished:

l Seconds Fished: 3004 Average Depth of Sample: 3-5ft

erved Flow: Normal Number of Species: 13 (+1 hybrid)

on Number: 4 082503 G.P.S. Reading:

| ecies | Total Weight | Total Counted | Weight (Grams)/Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Walleye Black Spotted Dorsal | Basket Weight ≈3.5 oz 3.3125 lb ~~1.248 kg~~ 2.752 | 3 | 4 lbs 7 oz / 58 cm | 642g / 47cm | 96 / 18.3 | | | | | | | |
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| Largemouth Bass | .511 kg | 1 | 511g / 31.5 | | | | | L | | | | |
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24.32 DATA RECORDER, Name: Paul Kovalcik

ed Oxygen: 6.25

tivity: 453

7.69 SIGNATURE: [signature]

# EnviroScience Fish Data Sheet

Station Number: 4 Sample ID Number: S4-082503

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Smallmouth Bass | .449 kg | 2 | 229 / 26 | 220 / 25.5 | | | | | | | | |
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| Black Crappie | .170 kg | 1 | 170 / 23.2 | | | | | | | | | |
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| Yellow Bullhead | .195 kg | 1 | 195 / 22 | | | | | | | | | |
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| River Chub | .052 kg | 1 | 52 / 15.5 | | | | | | | | | |
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# EnviroScience Fish Data Sheet

Station Number: 4 Sample ID Number: 54 - 082503

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bluegill Sunfish | .227kg | 5 | 52 / 13.5 | 50 / 13.3 | 34 / 11.8 | 31 / 11.5 | 60 / 13.8 | AW | | | | |
| Pumpkinseed Sunfish | .55kg | 7 | 84 / 15.5 | 117 / 16.2 | 104 / 16.5 | 130 / 16.5 | 61 / 13.6 | D | | | D/F | |
| | | | 14 / 8.5 | 40 / 11.8 | | | | | | | | |
| Pumpkinseed x Green Sunfish | .069kg | 1 | 69 / 13.5 | | | | | | | | | |
| Green Sunfish | .191kg | 3 | 38 / 11.3 | 112 / 17 | 41 / 11.6 | | | D. | | | | |
| Goldfish | .311kg | 1 | 311 / 25 | | | | | L | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 4 **Sample ID Number:** S4 - 082503

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carp[1] Mirror Carp[2] | ① 2.32 Kg ② 9.957 Kg | 2 | 5' 2oz / 52.5 | 4' 5oz / 52 | | | | | | | | |
| Spotfin Ubuchnt * In Jar | .001 kg | 2 | 0.5 / 3.5 | 0.5 / 3.5 | | | | | | | | |
| Gizzard Shad | ~~1.14 kg~~ .380 Kg | 3 | 27 | 25 | 380 / 21.4 | | | | | | | |

2.7 x3.5926 = 9.7

1.447
1.252

# ENVIROSCIENCE, INC. FISH DATA SHEET

d Crew: S. Goebel, L. Ryalik, K. Wolfe, J. Bingham, P. Kovalchik

e: 8/25 Time of Day: 3:00pm Clients: USACE

er/Stream: Manning River Mile: 12 Location: Dwis Lowellsville WWTP

ple Type: Boat Electrofishing Distance Fished: 500m Time Fished:

l Seconds Fished: 3020 Average Depth of Sample: 2-3 ft

erved Flow: Good / Normal Number of Species: 22

on Number: 5 55-082503 G.P.S. Reading:

| ecies | Total Weight | Total Counted | Weight (Grams)/Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel Catfish | ~~6.51 kg~~ ~~5.438~~ 7.140 kg | 7 | 995/46 | 461/36 | 3 lbs 12.2 / 55 | 1092/49.5 | 1442/53.5 | | | d | | L |
| | | | 812/45 | 436/37 | | | | Fungus E | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Flat Head Catfish | .240 kg | 1 | 240/30 | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

26.92

ed Oxygen: 7.78

tivity: 515

7.89

DATA RECORDER, Name: Ken Wolfe [signature]

SIGNATURE: [signature]

# EnviroScience Fish Data Sheet

**Station Number:** 5 **Sample ID Number:** SS-082503

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Smallmouth Bass | 1.505kg | 4 | 874/38.2 | 270/27 | 335/30.2 | 80/10.8 | | | | | | |
| Yellow Perch | .123kg | 1 | 123/21.5 | | | | | | | | | |
| Green Sunfish | .071kg | 1 | 71.9/15 | | | | | | | | | |
| Largemouth Bass | .148kg | 1 | 148/24 | | | | | | | | | |

# EnviroScience Fish Data Sheet

Station Number: 5 Sample ID Number: S5-082503

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Northern Hog Sucker | .284 kg | 1 | 284/28.5 | | | | | d | | | | |
| Black Crappie | .274 kg | 3 | 152/22 | 99/19.5 | 23/13.0 | | | | | | | |
| White Sucker | 3.104 kg | 6 | 639/37.3 | 463/34 | 503/36 | 576/36.5 | 529/35.5 | | | | L | |
| | | | 394/33 | | | | | F | | | | |
| Silver Red Horse | .642 kg | 1 | 642/37 | | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 5 **Sample ID Number:** S5-082503

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logperch Darter | ~~.39 kg~~ .075 kg | 4 | 13 | 14 | 60g / 11.5 | 15 / 11.5 | | | | | | |
| River Chub | .034 kg | 1 | 3.4g / 14.1 | | | | | | | | | |
| Rock Bass | .17 kg | 2 | 98 / 17.2 | 72 / 15.3 | | | | | L | | | |
| Ice Gill | ~~2.143 kg~~ .582 kg | 9 | 13.5 | 18.0 | 18.3 | 19.0 | 358 / 15.8 | | | | | |
| | | | 15.0 | 131 / 11.5 | 47 / 12.8 | 46 / 13.1 | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 5 **Sample ID Number:** 55 - 032503

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies |
|---|---|---|---|---|---|---|---|---|
| Pumpkinseed | ~~.34 kg~~ .219 | 3 | 15 | 155 / 15.5 | 64 / 14.4 | | | Leeches |
| Golden shiner | .005 kg | 1 | 5 / 8.3 | | | | | |
| Gold fish | ~~.20 kg~~ .283 KG | 1 | 283 / 24 | | | | | L |
| Carp | 13.22 lbs | 6 | 5 lb 1 oz / 52 | 2 lb 14 oz / 44 | 10 lb 2 oz / 54.8 | 4 lb 4 oz / 54.5 | 3 lb 14 oz / 47 | |
| | | | 2 lb 15 oz / 47 | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 5 **Sample ID Number:** S5-082503

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Greenside Darter | .001 kg | 1 | 1 / 5.5 | | | | | | | | | |
| Sand Shiner | ~~.006 kg~~ .003 Kg | 2 | * 6 | 3.09 / 5.5 ** | | | | | | | | |
| Suntnose Minnow | .002 kg | 1 | 8.0 / 6.0 * | | | | | | | | | |
| [illegible] Shiner | ~~.0[illegible] kg~~ .008 Kg | 2 | * 8.5 | * 8.0 / 7.2 | | | | | | | | |

# ENVIROSCIENCE, INC. FISH DATA SHEET

d Crew: J. Kiejsa, L. Richlick, G. Zimmerman, M. Ashton

e: 10/1/03 Time of Day: 10:00 am Clients: USACE

er/Stream: Mahoning River Mile: 95.5 Location: Leutsburg

ple Type: Boat Shocking Distance Fished: 500m Time Fished:

l Seconds Fished: 3245 Average Depth of Sample: 2-3 ft

erved Flow: Above Normal Number of Species: 20 @ 148 total

on Number: (1) - downstream Leutsburg Dam G.P.S. Reading:

51-100703

| ecies | Total Weight | Total Counted | Weight (Grams)/Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rock Bass | | 𝍸 𝍸 𝍸 𝍸 𝍸 | 19.7 | 17.3 | 15.2 | 10.0 | 18.5 | | | | | |
| tared | 2081 g | | 14.9 | 17.0 | 12.8 | 12.2 | 14.8 | | | | | |
| 1 of 2 | +11 | | 1038 / 17.0 | 20 | 15 | 18 | 16 | | | | | |
| | ~~2092~~ | 26 | 523 / 14 | 15 | 12 | 220 / 18 | 14 | | | | L | |
| | 2.095 kg | 25 | 15 | 17 | 11 | 11 | 303 / 8.5 | | | | | |
| Hogsuckers | 1591 g | 𝍸 | 504 / 38.9 | 363 / 35.0 | 429 / 36.3 | 295 / 32 | | | | | | |
| | 1.591 kg | | | | | | | | | | | |
| | | 4 | | | | | | | | | | |

13.28 °C DATA RECORDER, Name: Matt Ashton

ed Oxygen: 6.0 F

tivity: .317

7.58 SIGNATURE: [signature]

15 ft/s

0.5 m

# EnviroScience Fish Data Sheet

**Station Number:** S1-100703 **Sample ID Number:** S1-100703

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies |
|---|---|---|---|---|---|---|---|---|
| White Sucker | 1789 g | IIII | 340/31.5 | 345/31 | 344/32 | 760/40 | | L |
| | | (4) | | | | | | |
| Smallmouth Bass | first 6<br>623 g<br>176 g<br>129 g<br>1038 g<br>total<br>3.077 KG | ~~IIII~~ ~~IIII~~<br>III | 633/20.7 | 316/25 | 187/22.3 | /21.2 | /20.1 | |
| | | | 1038/13 | 727/38 | 558/37 | 117/20 | 88/17 | |
| | | | 141/22 | /20 | 106/9 | | | |
| | | 13 | | | | | | |
| rock bass | 22 g<br>.022 KG | II | 12/8.7 | 10/8 | | | | |
| | | 2 | | | | | | |
| river redhorse | 918 g<br>.918 KG | I | 918/43.7 | | | | | |
| | | 1 | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 51 **Sample ID Number:** 51-100703

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies |
|---|---|---|---|---|---|---|---|---|
| Spotfin Shiner | 24g<br>.024 Kg | 1111<br>4 | 12/10.5 | 7 | 8 | 12/8 | | |
| hannel catfish<br>$\frac{1}{3.8125} = \frac{.454}{x}$<br>1.7309kg<br>1731g | 2948g<br>2.948 Kg | 11<br>2 | 3161/54 | 1217g/47 | | | | |
| pottled Sucker | 1441g<br>2.092 Kg | ~~1111~~<br>5 | 723/41 | 527/25 | 499/34 | 195/20 | 148/23 | |
| thead catfish | 357g<br>.357 Kg | 1<br>1 | 357/31 | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 51 **Sample ID Number:** 51-100703

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Largemouth Bass | 249g | 1 | 239/26 | 10/6.5 | | | | | | | | |
| | .249 KB | changed * 2 | | | | | | | | | | |
| Yellow Perch | 128g | 11 | /20 | 128/14 | | | | | | | | |
| | .128 KB | 2 | | | | | | | | | | |
| ock Bass | 11g | 1 | 11/8 | / | | | | | | | | |
| | .011 KB | 1 | | | | | | | | | | |
| mouth | 119g | 111 | /13.5 | /10 | 119/10 | | | | | | | |
| | .119 KB | 3 | | | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** S-1 **Sample ID Number:** S-1-100703

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grass Pike | 26g | 11 | 16 | 26/7 | | | | | | | | |
| | .026 KG | | | | | | | | | | | |
| | | 2 | | | | | | | | | | |
| Carp | Basket # 3#9oz | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ | 6#10oz/56 | 9#20oz/63 | 4#13/51 | 9#8/64 | /55 | E,L | | | | |
| | | | /55 | /54 | 24#/54 | /57 | /60 | | | | | |
| | 116 31 163 | | /49 | /56 | 23#20oz/52 | /55 | /52 | | E | | | |
| | | | 53 | 23#6oz/56 | /57 | #13 14oz/58 | 12" 11oz/71 | | E | E | | |
| | 52.797 KG | 20 | | | | | | | | | | |
| River Chub | 55g | 1 | 55/15 | | | | | | | | | |
| | .055 KG | | | | | | | | | | | |
| | | 1 | | | | | | | | | | |
| Stiffin Shiner | 14g | ~~IIII~~ III | 7 | 8 | 8 | 7 | 7 | | | | | |
| | | | 13/6 | 1/51 | | | | | | | | |
| | .014 KG | | | | | | | | | | | |
| | | 8 | | | | | | | | | | |

148

# EnviroScience Fish Data Sheet

**Station Number:** S1 **Sample ID Number:** S1-100703

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Black Crappie | 1147g<br>1.147 KB | ~~IIII~~ ~~IIII~~ II<br>12 | /17 | /18 | /13 | /17 | /17 | | | | | |
| | | | /20 | 725/28 | /22 | /20 | /19 | | | | | |
| | | | /12 | 422/12 | | | | | | | | |
| Bluegill | | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~<br>25 | /16 | /11 | /9 | /14 | 11/ | | | | | |
| | | | /13 | /12 | /12 | /11 | /11 | | | | | |
| | | | 425/10 | /10 | /11 | /7 | /16 | | | | | |
| | | | /8 | /6.5 | /9 | /8 | /6 | | | | | |
| | | | /6 | /5 | /6 | /6 | /6.35 | | | | | |
| luegill | 828g<br>.825 KB | ~~IIII~~ IIII<br>3.4<br>.9 changed | /7 | /7 | /8 | /6 | /6 | | | | | |
| | | | /7 | /7 | 292/6 | 97/16 | | | | | E | |
| mpkinseed<br>unfish | 192g<br>.192 KB | III<br>3 | 107/14.5 | /12 | 85/12 | | | | | | | |

# ENVIROSCIENCE, INC. FISH DATA SHEET

Crew: J. Kresso, G. Zimmerman, M. Ashton, L. Rzelik

63 Time of Day: 1:45 Clients: USACE

/Stream: Mahoning River Mile: 44.3 Location: Leetsburg

le Type: Boat Distance Fished: 500 m Time Fished:

Seconds Fished: 3400 Average Depth of Sample: 2-3 ft

ved Flow: Normal / High Number of Species: 18 @ 105°

Number: (10) - downstream of Rock Dam G.P.S. Reading:

SH100703

| ies | Total Weight | Total Counted | Weight (Grams)/Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| olden Redhorse 3#8oz | | 1 | 9#2oz / 62 | | | | | | | | | |
| = .454 / x 4.14kg | | | | | | | | | | | | |
| | 4.14kg | 1 | | | | | | | | | | |
| allmouth Bass | 1529g | ~~IIII~~ ~~IIII~~ III | 355 / 28 | 106 / 20 | 110 / 19 | 160 / 22 | 179 / 23 | | | | | |
| | | | 176 / 24 | 100 / 20 | 24 / 12 | 66 / 16 | 155 / 23 | | | | | |
| | 1.529 KG | | 38 / 14 | 26 / 11 | 34 / 14 | | | | | | | |
| | | 13 | | | | | | | | | | |

12.78 DATA RECORDER, Name: Matt Ashton

Oxygen: 6.05

ity: .325

7.66 SIGNATURE: M. Ashton

# EnviroScience Fish Data Sheet

**Station Number:** S-6 **Sample ID Number:** S6100703

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies |
|---|---|---|---|---|---|---|---|---|
| Gizzard Shad | .203 KG<br>203g | 1 | 203/27 | | | | | |
| White Sucker | 2319g<br>2.319 KG | IIII<br>5 | 403/33 | 515/36 | 574/37 | 298/29 | 529/35 | |
| Smallmouth Bass | 515 KG<br>515g | 1<br>1 | 515/33 | | | | | |
| Yellow Perch | 356g<br>.356 KG | III<br>4 | 156/22 | 155/22 | 8/9 | 37/145 | | |

# EnviroScience Fish Data Sheet

Station Number: 5-6 Sample ID Number: S6100703

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies |
|---|---|---|---|---|---|---|---|---|
| Walleye | .112 kg<br>112 g | 11<br>2 | 71/20 | 41/17 | | | | |
| Northern Hog Sucker | .207 kg<br>207 g | 1<br>1 | 207/35 | | | | | |
| Black Bass | 1939 g<br>1.939 kg | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ I<br>21 | 18 | 19.5 | 16 | 535/13 | 15 | |
| | | | 23 | 15.5 | 18 | 15.5 | 672/12 | |
| | | | 12 | 14 | 15 | 409/20 | 14 | |
| | | | 13 | 14 | 16 | 12 | 6 | |
| | | | 323/5 | | | | | |
| Black Crappie | 91 g<br>.091 kg | 11<br>2 | 15 | 91/15 | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** S-6 **Sample ID Number:** S6100703

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies |
|---|---|---|---|---|---|---|---|---|
| Bluntnose Minnow | 46g<br>.046 kg | ~~IIII~~<br>~~IIII~~<br>IIII<br>14 | 8 | 8 | 8 | 8 | 5 | |
| | | | 5 | 5 | 4 | 6 | 4 | |
| | | | 5.5 | 5 | 4.4 / 5.5 | 2 / 6 | | |
| Spottfin Shiner | .095 kg<br>95g | ~~IIII~~<br>~~IIII~~<br>~~IIII~~<br>IIII<br>19 | 10 | 7 | 5 | 4 | 7.5 | |
| | | | 10 | 5 | 6 | 6 | 10 | |
| | | | 10 | 4 | 5 | 7 | 7 | |
| | | | 5 | 5 | 5.5 | 9.5 / 7 | | |
| River Chub<br>voucher | 261g<br>.261 kg | ~~IIII~~<br>II<br>7 | 17 | 7.5 / 13.5 | 15 | 10 | 14 | |
| | | | 17 | 18.3 / 12 | | | | |
| Pike | 171g<br>.171 kg | IIII<br>4 | 24 | 15 | 15 | 17.1 / 12 | | |

# EnviroScience Fish Data Sheet

**Station Number:** S-6 **Sample ID Number:** S6-100703

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pumpkinseed x Longeran Sunfish | 46g .046 kg | 1 / 1 | 46 / 12 | | | | | | | | | |
| Bluegill | 22g .022 kg | 11 / 2 | 10 | 22 / 3 | | | | | | | | |
| mpkinseed Sunfish | 296g .296 kg | IIII / 5 | 15 | 11 | 14 | 12 | 296 / 11.5 | | | | | |
| arp $\frac{.454}{x}$ | 17.25 lbs 7.83 kg | 11 / 2 | 13.1# / 71 | 4.3# / 48 | | | | | | | | |

# ENVIROSCIENCE, INC. FISH DATA SHEET

l Crew: J. Kreisz, G. Zimmerman, L. Rychlick, M. Ahlton, M. Brown

Time of Day: 1 AM Clients: USACE

r/Stream: Mahoning R. River Mile: 33.2 Location: DS W Park Ave, RR tracks

ple Type: Boat electrofishing Distance Fished: 500m Time Fished:

Seconds Fished: 3097 Average Depth of Sample:

rved Flow: Normal / high Number of Species: 19 @ 99

n Number: West Park Rd G.P.S. Reading:

52100803

| cies | Total Weight | Total Counted | Weight (Grams)/Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Northern Pike | 3.21kg | 1 | 71 #3 / 79 | | | | | | | | | |
| $\frac{1}{625} = \frac{.454}{x}$ | | 1 | | | | | | | | | | |
| Channel Catfish | 1609g | 11 | 847 / 42 | 762 / 41 | | | | | | | | |
| | 1.609 kg | 2 | | | | | | | | | | |

13.42 °C DATA RECORDER, Name:

l Oxygen:

vity: 0.345

6.31 SIGNATURE: G. F.

7.84

[illegible]

# EnviroScience Fish Data Sheet

Station Number: S-2 West Fork RR  Sample ID Number: S-2100803

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Smallmouth Blackbass | 1662 g<br>1.662 KG | 4 | 655/35 | 537/35 | 459/33 | 11/10 | | | | | | |
| Muskellunge | 3.29 KG | 1 | 7.4/82 | | | | | | | | | |
| Walleye | 1712 g<br>1.712 KG | 3 | 605/39 | 353/33 | 755/43 | | | | | | | |
| White Sucker | 336 g<br>.336 kg | 1 | 336/31 | | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 5-2 West Park Rd. **Sample ID Number:** 52160803

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies |
|---|---|---|---|---|---|---|---|---|
| Largemouth Bluegills | 649 g .649 kg | 4 | 345/30 | 8/7 | 22/11 | 224/24.5 | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Bluegill Sunfish | .314 kg | 21 | 13/9.5 | 11/7 | /11 | 41/9 | 22/13 | |
| | | | 3/3 | 26/15 | 28/17 | 19/11 | 25/14 | |
| | | | 15/10.5 | 14/10 | 20/13 | 19/10 | 18/11 | |
| | | | 29/16 | 21.5/10.5 | 20.5/10 | 11/7 | 11/8 | |
| | | | 7/6.5 | | | | | |
| Gizzard Shad | 84 g .084 kg | 1 | 34/21 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Pumpkin Seed / Bluegill Hybrid | .005 kg 5 g | 1 | 5/6.5 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

# EnviroScience Fish Data Sheet

S-2

**Station Number:** West Park Road **Sample ID Number:** S2100803

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies |
|---|---|---|---|---|---|---|---|---|
| Black Crappie | 2147g (2.147 kg) | 17 | 352/30 | 17 | 21.5 | 21 | 21 | |
| | | | 700/13 | 13.5 | 14.5 | 19 | 20 | |
| | | | 16 | 17.5 | 23 | 19 | 16.5 | |
| | | | 1095/25 | 19 | | | | |
| Green Sunfish | 26g (.0026 kg) | 1 | 26/6.5 | | | | | |
| Pumpkinseed Sunfish | 66g (.066 kg) | 3 | 56/12 | 7 | 10/4.5 | | | |
| Longear Sunfish | 95g (.095 kg) | 1 | 95/16 | | | | | |

# EnviroScience Fish Data Sheet

Station Number: S2 West Bank Road  Sample ID Number: S2 100803

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brook Silverside | 11g .011 kg | 8 | 6 | 6 | 6 | 5.5 | 5 | | | | | |
| | | | 6 | 6.5 | 11/7 | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Central Striped Shiner | 15g .015 kg | 1 | 15/11 | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Blunnose Minnow | 21g .021 kg | 17 | 7 | 4/5 | 4 | 4 | 4 | | | | | |
| | | | 5 | 7 | 4 | 7 | 3.5 | | | | | |
| | | | 3.5 | 3.5 | 4 | 4 | 5 | | | | | |
| | | | 4.5 | 17/4 | | | | | | | | |
| | | | | | | | | | | | | |
| Potfin Shiner | 47g .047 kg | 9 | 8 | 9 | 8 | 8 | 8 | | | | | |
| | | | 9.5 | 7 | 8.5 | 47/6 | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

# EnviroScience Fish Data Sheet

5-2

**Station Number:** West Park Road **Sample ID Number:** S2100803

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 55 | 49 | 16.3# / 40 | | | | 10 | | | |
| Carp | | 111 | | | | | | | | | | |
| * basket weight 3.3 lbs | 5.90 KG | | | | | | | | | | | |
| | | 3 | | | | | | | | | | |

# ENVIROSCIENCE, INC. FISH DATA SHEET

l Crew: Matt Ashton, Matt Brown, Luke Rhodes, Greg Zimmerman

Time of Day: 1:00 AM Clients: USACE

r/Stream: [illegible] River Mile: 28.71.5 Location: Warren, MH - McDonald Steel

ple Type: Boat electrofishing Distance Fished: 500 m Time Fished:

l Seconds Fished: 3131.5 Average Depth of Sample:

rved Flow: Normal / High Number of Species: 20 @ 69

on Number: Site 3 / McDonald Steel G.P.S. Reading:

| ecies | Total Weight | Total Counted | Weight (Grams)/Length (cm) | | | | | Anomalies | | |
|---|---|---|---|---|---|---|---|---|---|---|
| hannel Catfish | 1484g<br>1.484 kg | 1 | 1484 / 500 | | | | | | | |
| Fathead Catfish<br>7.375 = 4.54 / V | 3.35 kg | 1 | 7# 602 / 68 | | | | | | | |

: 13.7°C DATA RECOR

lved Oxygen: 6.4

ctivity: 341

7.8 SIGNATURE:

y:

# EnviroScience Fish Data Sheet

**Station Number:** Site 3 **Sample ID Number:** 5310003

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Silver Redhorse | 519<br>.519 KG | 1 | 519 / 35 | | | | | | | | | |
| Spotted Sucker | 932<br>.932 KG | 1 | 932 / 43 | | | | | | | | | |
| White Sucker | 1267 g<br>1.267 KG | 11 | 684 / 38.5 | 583 / 34 | | | | | | | | |
| Golden Redhorse | 708 g<br>.708 KG | 1 | 708 / 41 | | | | | | | | | |

# EnviroScience Fish Data Sheet

Station Number: S-3 Sample ID Number: 53100803

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brown Bullhead | 132g .132Kg | 1 | 132 / 24.5 | | | | | | | | | |
| | | 1 | | | | | | | | | | |
| Sizzard | 124g .124Kg | | 124 / 27 | | | | | | | | | |
| | | 1 | | | | | | | | | | |
| Black Crappie | 131g .131Kg | | 131 / 23 | | | | | | | | | |
| | | 1 | | | | | | | | | | |
| Bluegill | .674Kg 674g | ~~IIII~~ II | 17 | 17 | 15.5 | 15 | 17 | | | | | L |
| | | | 14 | 674 / 11 | | | | L | | | | |
| | | 7 | | | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** S-3 **Sample ID Number:** S3100803

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pumpkinseed Sunfish | 1061g (1.061 Kg) | 19 | 15.5 | 15 | 13.5 | 17 | 15 | | | | | |
| | | | 13 | 15 | 13 | 12 | 13 | | | | | |
| | | | 639/11 | 13 | 12 | 13 | 13 | | | | | |
| | | | 14 | 13.5 | 422/15 | | | | | | | |
| Pumpkinseed x Longear Sunfish | 323g (.323 Kg) | 4 | 16 | 14 | 15 | 323/14 | | | | | | |
| Largemouth Bass | 22g (.022 Kg) | 1 | 22/11.5 | | | | | | | | | |
| Bagill x Green Sunfish | 77g (.077 Kg) | 1 | 77/15 | | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 53 **Sample ID Number:** S3100803

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Yellow Perch | 31g .031 Kg | 4 | 9 | 7.5 | 9.5 | 31/8 | | | | | | |
| Brook Silversides | 3g .003 Kg | 2 | 7 | 3/7.5 | | | | | | | | |
| Bluntnose Minnows | 4g .004 Kg | 5 | 4 | 4.5 | 4 | 3/4.5 | 1/4.5 | | | | | |
| Redstripe Minnow | 3g .003 Kg | 4 | 3 | 3.5 | 4 | 3/3.5 | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 53 **Sample ID Number:** 53100803

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Spotfin Shiner | 5g .005 kg | 111 | 1/6 | 4/6 | 1/4.5 | | | | | | | |
| | | 3 | | | | | | | | | | |
| Carp | | | 8.5 lbs / 68 | 8 lbs / 67 | 4.4 lbs / 59 | 10.1 lbs / 64 | 5.9 lbs / 54 | | | e | | |
| | | | 8.5 lbs / 57 | 4.1 lbs / 52 | 4.7 lbs / 54 | 13.8 lbs / 74 | | | L | | | |
| Basket .9 | 14.53 kg 28.852 kg | 9 | | | | | | | | | | |
| 1/1 lbs = .454/x | | | | | | | | | | | | |

# ENVIROSCIENCE, INC. FISH DATA SHEET

d Crew: J. Kreiss G. Zimmerman L. Rudolick M. Ashton

/1/03 Time of Day: 2:30 Clients: U.S. Army Corps of Engineers

er/Stream: Mahoning River River Mile: 19.3/.2 Location: 100 m DWS 62 Bridge in Youngstown

ple Type: Pulsed-DC Electrofish Distance Fished: 500m Time Fished: 1 hour

l Seconds Fished: 3022 Average Depth of Sample: > 3m

erved Flow: High Number of Species: 14 @ 36

on Number: SY - 100903 G.P.S. Reading:

| ecies | Total Weight | Total Counted | Weight (Grams)/Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Smallmouth Bass | 556g* .556 kg | 2 | ~~298~~ 27 | 258 26 | | | | | | | | |
| Valleye | 633g .633 kg | 1 | 633 41 | | | | | | | | | |

14.8°C

ved Oxygen: 6.32

ctivity: .360

7.85

st > 3ft/s

2.5 m

DATA RECORDER, Name:

SIGNATURE: [signature]

# EnviroScience Fish Data Sheet

**Station Number:** 5-4 **Sample ID Number:** 54100903

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel Catfish | 4469g<br>4.469 kg | 3 | 1559 / 51 | 1353 / 48 | 1557 / 51 | | | | L | | | |
| Pumpkinseed Sunfish | 1105g<br>1.105 kg | 11 | 120 / 17 | 11 | 16 | 17 | 10 | | | | | |
| | | | 580 / 18 | 17 | 189 / 14 | 13 | 136 / 15 | | | | | |
| | | | 100 / 13 | | | | | | | | | |
| Brown Bullhead | 370g<br>.370 kg | 1 | 370 / 29 | | | | | | | | | |
| Yellow perch | .057 kg<br>57g | 1 | 57 / 17 | | | | | | | | | |

# EnviroScience Fish Data Sheet

Station Number: 54 Sample ID Number: 54100903

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Green Y. Bluegill Sunfish | 107g .107 kg | 1 | 107/17 | | | | | | | | | |
| Green Sunfish | 150g .158 kg | 3 | 13 | 70/11 | 50/15.5 | | | | | | | |
| Bluegill Sunfish | 20g .020 kg | 1 | 20/11 | | | | | | | | | |
| ockBass | .200 200g | 1 | 200/20 | | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** S4 **Sample ID Number:** S4100903

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Spotfin Shiner | 7g (.007 kg) | 1 | 7/9 | | | | | | | | | |
| Carp | ~~22.1kg~~ 21.476 kg | 8 | 8.2 lbs/69 | 5.4 lbs/52 | 3.4/46 | 3.8/50 | 4.7/55 | | E | | | |
| | | | 5.8/51 | 13/71 | 4.4/49 | | | e | | D (lost eye) | | |
| White Crappie | 64g (.064 kg) | 1 | 64/20 | | | | | | | | | |
| Muskie | 454kg | 1 | 10 lbs/48" | | | | | | | | | |

# ENVIROSCIENCE, INC. FISH DATA SHEET

Crew: J. Kotsa, L. [illegible], C. [illegible], M. [illegible]

[illegible] Time of Day: [illegible] Clients: USACE

/Stream: Mahoning River Mile: 120/115 Location: Lowell Mile [illegible]

le Type: [illegible] Distance Fished: Time Fished:

Seconds Fished: 3521 Average Depth of Sample:

ved Flow: Normal/High Number of Species: 21@ 97

Number: 55-[illegible] G.P.S. Reading:

| ies | Total Weight | Total Counted | Weight (Grams)/Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel Catfish | 7742g | | 1280/48 | 1030/52 | 945/45 | 1134/50 | 764/43 | L | L | L | | |
| | | | 792/49 | 1589/53 | | | | | | | | |
| | 7.742 kg | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | 7 | | | | | | | | | | |
| Walleye | 515g | | 515/40 | | | | | | | | | |
| | | | | | | | | | | | | |
| | .515 kg | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | 1 | | | | | | | | | | |

[illegible] 15.85 DATA RECORDER, Name: [illegible]

Oxygen: 6.32

rity: 0.292 mS/L

[illegible] 7.35 SIGNATURE: [signature]

# EnviroScience Fish Data Sheet

**Station Number:** S-5 **Sample ID Number:** S5100903

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies |
|---|---|---|---|---|---|---|---|---|
| White Sucker | 3000 g (3.00 kg) | 6 | 753/40 | 464/35 | 585/38 | 236/27 | 473/33 | |
| | | | 489/35 | | | | | |
| Golden Redhorse | 928 g (.928 kg) | 1 | 928/41 | | | | | E |
| Rock Bass | 1082 g (1.082 kg) | 12 | 20 | 19 | 337/15 | 14 | 15 | |
| | | | 15 | 322/18 | 89/16 | 24/10 | 53/14 | |
| | | | 180/20 | 77/16 | | | | |
| Bluegill | 114 g (.114 kg) | 2 | 62/14 | 52/13 | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 55 **Sample ID Number:** 55100903

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies |
|---|---|---|---|---|---|---|---|---|
| River Chub | 34 g (.034 kg) | 1 | 34/14 | | | | | |
| Spotfin Shiner | 89 g (.089 kg) | 25 | 8 | 6.5 | 6 | 8 | 8 | |
| | | | 8 | 7 | 7 | 20/4 | | |
| | | | 8 | 7 | 8 | 7 | 8 | |
| | | | 7 | 7.5 | 8 | 7 | 6 | |
| | | | 7 | 7 | 8 | 7 | 61/7 | |
| Carp | 11.26 kg | 6 | 8.2#/61 | 2.8#/44 | 4.7#/48 | 2.6#/46 | | |
| | | | 4.6#/52 | 3.0#/43 | | | | |
| Smallmouth Bass | 2231 g (2.231 kg) | 8 | 423/20 | 720/37 | 272/26 | 490/31 | 1161/24 | |
| | | | 42/15 | 96/20 | 33/14 | | | |

# EnviroScience Fish Data Sheet

**Station Number:** 5.5 **Sample ID Number:** 55160903

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Northern Hog Sucker | 435 g (.435 kg) | 1 | 435/31 | | | | | | | | | |
| Large mouth Bass | 579 g (.579 kg) | 1 | 579/34 | | | | | | | | | |
| Brown Bullhead | 143 g (.143 kg) | 2 | 160/22 | 17/9 | | | | | | | | |
| Green Sunfish | 117 g (.117 kg) | 2 | 47/12 | 70/14 | | | | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** S-5 **Sample ID Number:** S5 100903

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bluntnose Minnow | 2 g .002 | 2 | 4 | 2/4 | | | | | | | | |
| Rainbow Darter | 2 g .002 | 1 | 2/6 | | | | | | | | | |
| Silver Shiner | .005 5 g | 1 | 5/8.5 | | | | | | | | | |
| Spotfin Shiner #2 | .040 kg 40 g | 15 | 7 | 6 | 8 | 7 | 8 | | | | | |
| | | | 9 | 6 | 5 | 5 | 6 | | | | | |
| | | | 7 | 6 | 7 | 4 | 12/6 | | | | | |

# EnviroScience Fish Data Sheet

**Station Number:** S5 **Sample ID Number:** S5100903

| Species | Total Weight | Total Numbers | Weight (grams) / Length (cm) | | | | | Anomalies | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stone Roller | 3g .0034kg | 1 | 3/5.0 | | | | | | | | | |
| Northern Pike | .052kg 52g | 1 | 52/38 | | | | | | | | | |
| Rock Side Darter | .0034kg 3g | 1 | 3/8 | | | | | | | | | |
| | | | | | | | | | | | | |