



[Connection Failure](#)

Lat/Lon: 47.5659/-
91.9410
Datum: NAD83
County: St. Louis



Biological Station Information

Stream Name SOUTH BRANCH PARTRIDGE RIVER
Waterbody Name: South Branch Partridge River
Data Steward Org: MPCA
Station ID: 97LS077
Hydrologic Unit Code (HUC): 04010201
Assessment Unit: 04010201-587
Period of Record: 1997 through 2009
Predominant substrate: boulder
Mean Depth (cm): 21.1
Mean Width (meters): 7
Drainage Area (square miles) 14.0

Land Use

Agricultural 0.2 %
 Forest 93.4 %
 Range 0.6 %
 Urban 0.0 %
 Water 0.5 %
 Wetland 5.3 %
 Other 0.0 %

Projects Associated with this Station

Project	Purpose
Biological Criteria Development	Monitoring sites are targeted across a range of human disturbance, from minimal to severe, to develop regional indices of biological integrity (IBI?s) using attributes of fish and macroinvertebrate communities.
Biological Criteria Development	Sites selected for development of biological criteria.

Station Data Collection Years

[2009](#)

[1997](#)

Site Index of Biological Integrity (IBI)

Category	IBI/Rating
Fish IBI	61
Fish Rating	
Invertebrate IBI	No Visit
Invertebrate Rating	

Chemical Data

Date	Jul 16 2009
Water Temperature °C	
Conductivity □mhos/cm	
Field Turbidity NTU	
Dissolved Oxygen mg/L	
pH	
Flow m ³ /sec	
Nitrogen mg/L	
Total Phosphorus mg/L	
Total Suspended Solids mg/L	
Ammonia mg/L	

Fish Found at this Site

Species	Count	Min. Length (mm)	Max. Length (mm)
Burbot	2	164	186
Johnny Darter	2	44	60
Longnose Dace	5	22	73

Fish Attributes

Attribute	Value
DELTA (abnormalities)	0
Darter species	1
Exotic species	0

Mottled Sculpin	7	21	79
Northern Pike	1	94	94
White Sucker	51	21	66

Fish per 100 m	45.3
Game fish species	1
Gravel spawning species	3
Piscivore species	2
Pollution intolerant species	2
Special concern species	0
Total species	6

Invertebrates Found at Site

Common Name

Sorry, there was no data collected this year.

Invertebrate Attributes

Attribute

Value

Sorry, there was no data collected this year.



Biological Station Information

Stream Name:	WYMAN CREEK
Waterbody Name:	Wyman Creek
Data Steward Org:	MINNESOTA DEPT OF NAT RES
Station ID:	81LS008
Hydrologic Unit Code (HUC):	04010201
Assessment Unit:	04010201-942
Period of Record:	2009 through 2009
Predominant substrate:	
Mean Depth (cm):	
Mean Width (meters):	
Drainage Area (square miles)	0.00
	Agricultural 0.0%
	Forest 0.0%
	Range 0.0 %
Land Use	Urban 0.0 %
	Water 0.0 %
	Wetland 0.0 %
	Other 0.0 %
Lat/Lon	47.53465,-92.11456667

Projects that are associated with this station are as follows

Project	Purpose
Misc.	Sites sampled by outside source and the project is unknown.

Year 2009 Data

Site Index of Biological Integrity

Category	IBI/Rating
Visit Year	2009
Fish IBI	Not Calculated
Fish Rating	
Invertebrate IBI	No Visit
Invertebrate Rating	

Data collected from June 23, 2009

Site Visit Date	23-JUN-09
Water Temperature °C	23.3°
Conductivity µmhos/cm	261
Field Turbidity NTU	
Dissolved Oxygen mg/L	
PH	7.44
Flow m3/sec	
Nitrogen mg/L	< 0.05
Total Phosphorus mg/L	0.036
Total Suspended Solids mg/L	6
Ammonia mg/L	< 0.1
Fish Rating	

Year 2009 Data**Fish that were found at this site**

Species	Count	Min Length(mm)	Max Length(mm)
Black Bullhead	3	80	87
Burbot	3	152	168
Common Shiner	15	43	109
Creek Chub	1	187	187
Johnny Darter	2	53	55
Longnose Dace	2	51	103
Mottled Sculpin	17	54	70
Northern Redbelly Dace	1	42	42
Pearl Dace	10	54	82
White Sucker	1	105	105
Yellow Perch	9	74	167

Year 2009 Data**Fish attributes that were found at this site**

Attribute	Count
DELT (abnormalities)	0
Darter species	1
Exotic species	0
Fish per 100 m	50.8
Game fish species	1
Gravel spawning species	4
Piscivore species	1
Pollution intolerant species	2
Special concern species	0
Total species	11



Connection Failure

Lat/Lon: 47.6086/-
92.4077
Datum: NAD83
County: St. Louis

Biological Station Information

Stream Name **TRIBUTARY TO PIKE RIVER**
Waterbody Name: tributary to Pike River
Data Steward Org: MPCA
Station ID: **05RN029**
Hydrologic Unit Code (HUC): 09030002
Assessment Unit: 09030002-561
Period of Record: 2005 through 2005
Predominant substrate: sand
Mean Depth (cm): 39.3
Mean Width (meters): 1.2
Drainage Area (square miles) 1.9

Land Use

Agricultural 0.0 %
 Forest 97.4 %
 Range 0.0 %
 Urban 0.7 %
 Water 0.0 %
 Wetland 1.5 %
 Other 0.3 %

Projects Associated with this Station

Project	Purpose
Environmental Monitoring and Assessment Program (EMAP)	Monitoring sites are selected randomly within a basin to assess status and trends of riverine surface waters integrating biological, physical, and chemical components.
Environmental Monitoring and Assessment Program (EMAP)	Sites randomly chosen to represent an area.

Site Index of Biological Integrity (IBI)

Category	IBI/Rating
Fish IBI	25
Fish Rating	
Invertebrate IBI	47
Invertebrate Rating	

Chemical Data

Date	Jun 21 2005
Water Temperature °C	19.22
Conductivity □mhos/cm	42.0
Field Turbidity NTU	4.30
Dissolved Oxygen mg/L	2.70
pH	5.40
Flow m ³ /sec	0.06649
Nitrogen mg/L	< 0.05
Total Phosphorus mg/L	0.076
Total Suspended Solids mg/L	28
Ammonia mg/L	0.1

Fish Found at this Site

Species	Count	Min. Length (mm)	Max. Length (mm)
<u>Brook Stickleback</u>	8	42	64
<u>Central Mudminnow</u>	7	43	68
<u>Creek Chub</u>	3	87	159
<u>Finescale Dace</u>	1	63	63
<u>White Sucker</u>	9	54	138

Fish Attributes

Attribute	Value
<u>DELT (abnormalities)</u>	0
<u>Darter species</u>	0
<u>Exotic species</u>	0
<u>Fish per 100 m</u>	17.1
<u>Game fish species</u>	0
<u>Gravel spawning species</u>	1
<u>Piscivore species</u>	0
<u>Pollution intolerant species</u>	0

Special concern species 0
Total species 5

Invertebrates Found at Site

Common Name
 Biting Midges
 Chiggers
 Circular-Seamed Flies
 Common Skimmers
 Crane Flies
 Dixid Midges
 Fingernail Clam
 Green-Eyed Skimmers
 Mayflies
 Midges
 Minute Moss Beetles
 Mosquitoes
 Northern Caddisflies
 Oligochaeta
 Thienemannimyia Gr.
 Water Scavenger Beetles

Invertebrate Attributes

Attribute	Value
<u>EPT Taxa</u>	1
<u>Ephemeroptera Taxa</u>	1
<u>Hilsenhoffs Biotic Index (HBI)</u>	5.7
<u>Intolerant Families</u>	2
<u>Percent Pollution Tolerant</u>	3
<u>Percent Chironomidae</u>	69.5
<u>Percent Diptera</u>	71.3
<u>Percent Dominant Taxa</u>	69.5
<u>Percent Dominant Two Taxa</u>	91.1
<u>Percent Filterers</u>	0.9
<u>Percent Gatherer</u>	92.3
<u>Percent Hydropsychidae</u>	0
<u>Percent Scraper</u>	0
<u>Plecoptera Families</u>	0
<u>Total Families</u>	11
<u>Trichoptera Families</u>	0



Connection Failure

Lat/Lon: 47.6468/-
91.5792
Datum: NAD83
County: Lake

Biological Station Information

Stream Name **STONY RIVER**
 Waterbody Name: Stony River
 Data Steward Org: MPCA
 Station ID: **05RN024**
 Hydrologic Unit Code (HUC): 09030001
 Assessment Unit: 09030001-515
 Period of Record: 2005 through 2005
 Predominant substrate: rubble/cobble
 Mean Depth (cm): 29.9
 Mean Width (meters): 11.1
 Drainage Area (square miles) 73.6

Land Use

Agricultural 0.0 %
 Forest 64.9 %
 Range 0.3 %
 Urban 0.3 %
 Water 2.7 %
 Wetland 31.7 %
 Other 0.0 %

Projects Associated with this Station

Project	Purpose
Environmental Monitoring and Assessment Program (EMAP)	Monitoring sites are selected randomly within a basin to assess status and trends of riverine surface waters integrating biological, physical, and chemical components.
Environmental Monitoring and Assessment Program (EMAP)	Sites randomly chosen to represent an area.

Site Index of Biological Integrity (IBI)

Category	IBI/Rating
Fish IBI	86
Fish Rating	
Invertebrate IBI	45
Invertebrate Rating	

Chemical Data

Date	Jul 19 2005
Water Temperature °C	25.51
Conductivity \square mhos/cm	52.0
Field Turbidity NTU	1.03
Dissolved Oxygen mg/L	6.20
pH	7.12
Flow m ³ /sec	0.24700
Nitrogen mg/L	0.08
Total Phosphorus mg/L	0.027
Total Suspended Solids mg/L	< 1
Ammonia mg/L	0.05

Fish Found at this Site

Species	Count	Min. Length (mm)	Max. Length (mm)
<u>Blacknose Shiner</u>	1	41	41
<u>Burbot</u>	85	56	275
<u>Central Mudminnow</u>	1	89	89
<u>Fathead Minnow</u>	6	26	75
<u>Golden Shiner</u>	2	80	85
<u>Johnny Darter</u>	8	50	62
<u>Logperch</u>	4	94	104
<u>Longnose Dace</u>	177	25	95

Fish Attributes

Attribute	Value
<u>DELT (abnormalities)</u>	0
<u>Darter species</u>	2
<u>Exotic species</u>	0
<u>Fish per 100 m</u>	110.6
<u>Game fish species</u>	1
<u>Gravel spawning species</u>	4
<u>Piscivore species</u>	1
<u>Pollution intolerant species</u>	5

Mimic Shiner	6	33	36	Special concern species	0
Mottled Sculpin	19	25	92	Total species	14
Spottail Shiner	19	25	33		
Tadpole Madtom	7	76	104		
White Sucker	21	30	94		
Yellow Perch	31	36	53		

Invertebrates Found at Site

Common Name
Balloon Flies
Black Flies
Broad-Winged Damselflies
Caddisflies
Clubtails
Common Stoneflies
Dobsonflies
Electric Light Bugs
Finger-Net Caddisflies
Fingernail Clam
Gastropods
Long-Horn Caddisflies
Mayflies
Micro-Caddisflies
Midges
Minute Moss Beetles
Narrow-Winged Damselflies
Net-Spinning Caddisflies
Northern Caddisflies
Predaceous Diving Beetles
Riffle Beetles
Thienemannimyia Gr.
Trumpet-Net Caddisflies

Invertebrate Attributes

Attribute	Value
EPT Taxa	11
Ephemeroptera Taxa	5
Hilsenhoffs Biotic Index (HBI)	5.9
Intolerant Families	4
Percent Pollution Tolerant	10.3
Percent Chironomidae	55.5
Percent Diptera	58.7
Percent Dominant Taxa	55.5
Percent Dominant Two Taxa	63.7
Percent Filterers	11.7
Percent Gatherer	75.4
Percent Hydropsychidae	1.4
Percent Scraper	5
Plecoptera Families	0
Total Families	23
Trichoptera Families	6



Connection Failure

Lat/Lon: 47.6552/-
91.6005
Datum: NAD83
County: Lake

Biological Station Information

Stream Name **STONY RIVER**
 Waterbody Name: Stony River
 Data Steward Org: MPCA
 Station ID: **05RN074**
 Hydrologic Unit Code (HUC): 09030001
 Assessment Unit: 09030001-515
 Period of Record: 2005 through 2005
 Predominant substrate:
 Mean Depth (cm):
 Mean Width (meters):
 Drainage Area (square miles) 150.8

Land Use

Agricultural 0.0 %
 Forest 68.7 %
 Range 0.2 %
 Urban 0.5 %
 Water 4.0 %
 Wetland 26.5 %
 Other 0.0 %

Projects Associated with this Station

Project	Purpose
Biological Criteria Development	Monitoring sites are targeted across a range of human disturbance, from minimal to severe, to develop regional indices of biological integrity (IBI?s) using attributes of fish and macroinvertebrate communities.
Biological Criteria Development	Sites selected for development of biological criteria.

Site Index of Biological Integrity (IBI)

Category	IBI/Rating
Fish IBI	77
Fish Rating	
Invertebrate IBI	44
Invertebrate Rating	

Chemical Data

Date	Sep 07 2005
Water Temperature °C	18.90
Conductivity μ mhos/cm	140.0
Field Turbidity NTU	2.00
Dissolved Oxygen mg/L	8.40
pH	7.50
Flow m ³ /sec	
Nitrogen mg/L	< 0.05
Total Phosphorus mg/L	0.021
Total Suspended Solids mg/L	2.8
Ammonia mg/L	< 0.05

Fish Found at this Site

Species	Count	Min. Length (mm)	Max. Length (mm)
<u>Blacknose Shiner</u>	123	25	63
<u>Burbot</u>	3	176	309
<u>Common Shiner</u>	23	41	46
<u>Golden Shiner</u>	84	25	104
<u>Johnny Darter</u>	2	26	60
<u>Logperch</u>	3	89	91
<u>Mimic Shiner</u>	29	25	55
<u>Northern Pike</u>	12	106	466

Fish Attributes

Attribute	Value
<u>DELT (abnormalities)</u>	0
<u>Darter species</u>	2
<u>Exotic species</u>	0
<u>Fish per 100 m</u>	79.6
<u>Game fish species</u>	4
<u>Gravel spawning species</u>	5
<u>Piscivore species</u>	4
<u>Pollution intolerant species</u>	4

<u>Rock Bass</u>	2	42	114
<u>Spottail Shiner</u>	11	44	51
<u>Tadpole Madtom</u>	7	28	86
<u>Walleye</u>	2	109	253
<u>White Sucker</u>	4	119	313
<u>Yellow Perch</u>	93	46	286

<u>Special concern species</u>	0
<u>Total species</u>	14

Invertebrates Found at Site

Common Name
Alderflies
Amphipods
Backswimmers
Balloon Flies
Caddisflies
Chiggers
Clubtails
Common Stoneflies
Dobsonflies
Electric Light Bugs
Finger-Net Caddisflies
Fingernail Clam
Flatworms
Gastropods
Hirudinea
Long-Horn Caddisflies
Mayflies
Micro-Caddisflies
Midges
Narrow-Winged Damselflies
Net-Spinning Caddisflies
Northern Caddisflies
Oligochaeta
Riffle Beetles
Thienemannimyia Gr.
Water Boatman

Invertebrate Attributes

Attribute	Value
<u>EPT Taxa</u>	11
<u>Ephemeroptera Taxa</u>	5
<u>Hilsenhoffs Biotic Index (HBI)</u>	5.2
<u>Intolerant Families</u>	1
<u>Percent Pollution Tolerant</u>	26.1
<u>Percent Chironomidae</u>	17.2
<u>Percent Diptera</u>	17.5
<u>Percent Dominant Taxa</u>	18.8
<u>Percent Dominant Two Taxa</u>	36
<u>Percent Filterers</u>	17.8
<u>Percent Gatherer</u>	50.2
<u>Percent Hydropsychidae</u>	11.9
<u>Percent Scraper</u>	25.4
<u>Plecoptera Families</u>	0
<u>Total Families</u>	27
<u>Trichoptera Families</u>	6



[Connection Failure](#)

Lat/Lon: 47.6602/-
92.3125
Datum: NAD83
County: St. Louis

Biological Station Information

Stream Name **PIKE RIVER**
 Waterbody Name: Pike River
 Data Steward Org: MPCA
 Station ID: **05RN077**
 Hydrologic Unit Code (HUC): 09030002
 Assessment Unit: 09030002-503
 Period of Record: 2005 through 2005
 Predominant substrate: sand
 Mean Depth (cm): 59.7
 Mean Width (meters): 21.5
 Drainage Area (square miles) 114.4

Land Use

Agricultural 0.3 %
 Forest 84.0 %
 Range 2.2 %
 Urban 2.0 %
 Water 1.7 %
 Wetland 7.4 %
 Other 2.3 %

Projects Associated with this Station

Project	Purpose
Biological Criteria Development	Monitoring sites are targeted across a range of human disturbance, from minimal to severe, to develop regional indices of biological integrity (IBI?s) using attributes of fish and macroinvertebrate communities.
Biological Criteria Development	Sites selected for development of biological criteria.

Station Data Collection Years

[2005 \(2nd visit\)](#)

[2005](#)

Site Index of Biological Integrity (IBI)

Category	IBI/Rating
Fish IBI	64
Fish Rating	
Invertebrate IBI	23
Invertebrate Rating	

Chemical Data

Date	Jul 06 2005
Water Temperature °C	
Conductivity □mhos/cm	
Field Turbidity NTU	7.80
Dissolved Oxygen mg/L	6.30
pH	
Flow m ³ /sec	1.79128
Nitrogen mg/L	< 0.05
Total Phosphorus mg/L	0.042
Total Suspended Solids mg/L	1.2
Ammonia mg/L	< 0.05

Fish Found at this Site

Species	Count	Min. Length (mm)	Max. Length (mm)
Blacknose Shiner	2	39	43
Burbot	13	65	221
Central Mudminnow	24	25	113
Common Shiner	9	76	105

Fish Attributes

Attribute	Value
DELT (abnormalities)	1
Darter species	1
Exotic species	0
Fish per 100 m	39

Golden Shiner	37	47	85
Johnny Darter	5	40	58
Northern Pike	14	80	453
Rock Bass	13	51	185
Spottail Shiner	19	51	85
White Sucker	52	25	436
Yellow Perch	10	27	169

Game fish species	3
Gravel spawning species	3
Piscivore species	3
Pollution intolerant species	2
Special concern species	0
Total species	11

Invertebrates Found at Site

Common Name
Alderflies
Amphipods
Backswimmers
Balloon Flies
Broad-Winged Damselflies
Caddisflies
Chiggers
Circular-Seamed Flies
Clubtails
Crane Flies
Crawling Water Beetles
Darners
Electric Light Bugs
Fingernail Clam
Gastropods
Grass Moths
Hirudinea
Long-Horn Caddisflies
Mayflies
Micro-Caddisflies
Midges
Mosquitoes
Narrow-Winged Damselflies
Northern Caddisflies
Oligochaeta
Predaceous Diving Beetles
Riffle Beetles
Thienemannimyia Gr.
Water Boatman

Invertebrate Attributes

Attribute	Value
EPT Taxa	9
Ephemeroptera Taxa	6
Hilsenhoffs Biotic Index (HBI)	5.1
Intolerant Families	1
Percent Pollution Tolerant	4.7
Percent Chironomidae	30.9
Percent Diptera	33.6
Percent Dominant Taxa	30.9
Percent Dominant Two Taxa	47.2
Percent Filterers	3.3
Percent Gatherer	77.4
Percent Hydropsychidae	0
Percent Scraper	10.6
Plecoptera Families	0
Total Families	31
Trichoptera Families	3



Connection Failure

Lat/Lon: 47.6602/-
92.3125
Datum: NAD83
County: St. Louis

Biological Station Information

Stream Name: PIKE RIVER
Waterbody Name: Pike River
Data Steward Org: MPCA
Station ID: 05RN077
Hydrologic Unit Code (HUC): 09030002
Assessment Unit: 09030002-503
Period of Record: 2005 through 2005
Predominant substrate: sand
Mean Depth (cm): 59.7
Mean Width (meters): 21.5
Drainage Area (square miles): 114.4

Land Use

Agricultural	0.3 %
Forest	84.0 %
Range	2.2 %
Urban	2.0 %
Water	1.7 %
Wetland	7.4 %
Other	2.3 %

Projects Associated with this Station

Project	Purpose
Biological Criteria Development	Monitoring sites are targeted across a range of human disturbance, from minimal to severe, to develop regional indices of biological integrity (IBI's) using attributes of fish and macroinvertebrate communities.
Biological Criteria Development	Sites selected for development of biological criteria.

Station Data Collection Years

2005 (2nd visit)

2005

Site Index of Biological Integrity (IBI)

Category	IBI/Rating
Fish IBI	60
Fish Rating	
Invertebrate IBI	No Visit
Invertebrate Rating	

Chemical Data

Date	Value
Jul 20 2005	
Water Temperature °C	27.00
Conductivity μ mhos/cm	270.0
Field Turbidity NTU	5.55
Dissolved Oxygen mg/L	6.80
pH	7.70
Flow m ³ /sec	0.47696
Nitrogen mg/L	< 0.05
Total Phosphorus mg/L	0.045
Total Suspended Solids mg/L	2.4
Ammonia mg/L	< 0.05

Fish Found at this Site

Species	Count	Min. Length (mm)	Max. Length (mm)
Burbot	12	54	203
Central Mudminnow	43	30	126
Creek Chub	2	27	33
Golden Shiner	3	65	80

Fish Attributes

Attribute	Value
DELT (abnormalities)	0
Darter species	1
Exotic species	0
Fish per 100 m	17.5

<u>Johnny Darter</u>	19	35	60	<u>Game fish species</u>	2
<u>Northern Pike</u>	2	100	232	<u>Gravel spawning species</u>	2
<u>Rock Bass</u>	1	59	59	<u>Piscivore species</u>	3
<u>Spottail Shiner</u>	6	25	61	<u>Pollution intolerant species</u>	1
<u>White Sucker</u>	1	153	153	<u>Special concern species</u>	0
				<u>Total species</u>	9

Invertebrates Found at Site

Common Name

Sorry, there was no data collected this year.

Invertebrate Attributes

Attribute

Value

Sorry, there was no data collected this year.