



DNR

Fish Collection System

Produced: August 5, 2013

Water: Little Portage Creek

T/R/S: 05S 10W 27

Status: Approved

Primary county: Saint Joseph

Dis. county: Saint Joseph

Survey begin: 07/26/2010

end: 07/26/2010

Special regs:

Purpose: General Survey

Conducted by MSU/LSSU sampling crew to collect data in support of stream classification/water withdrawal assessment tool.

Gear: 2-probe electrofishing wading

Gear type: Stream Shocker

Effort date range: 07/26/2010 10:44 - 07/26/2010 11:27

No. of gear used: 1

Effort qty.: 800 Feet, 2580 Seconds

Area covered: 0.30 acres

Coll. site no.:

Index site no.:

T/R/S:

Depth range:

Temperature range: 70.3

Sample sites:

location: See lat/long in gear set locations.

Water clarity: Clear

Level: High

Conductivity: 196

Electrofishing eff.:

Temp. stratified:

Weather:

Preceding:

Stream length at site: 800 ft.

Avg width:

16 ft.

Avg depth:

ft.

Avg velocity: f/s

Surface:

f/s

Discharge:

cfs

Bottom type:

Stream riffle: % Pool: % Run: %

Analysis:

Data in this survey were collected to support updates of the fish-flow model for Michigan's Water Withdrawal Assessment Tool. For a complete description of the tool, including technical reports and educational materials, visit www.miwwat.org.

Analysis by:

Collection by: MSU (DJT, MJG, RTY)

Id. by:



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All gear combined

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Watershed: Little Portage Creek

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Gear:		
No. used	Gear	Common name
1	Stream Shocker	2-probe electrofishing wading

Species	Number	Percent by number	Weight (lb.)	Percent by weight	Length range (in.)*	Average length (in.)	Percent legal size**
Common carp	1	0.6	6.8	17.2	24-24	24.5	100
Creek chub	25	15.8	0.7	1.7	1-6	3.8	100
Common shiner	2	1.3	0.3	0.8	6-7	7.0	100
White sucker	105	66.5	24.4	61.8	1-16	6.7	100
Golden redhorse	4	2.5	7.0	17.8	3-24	13.0	100
Grass pickerel	4	2.5	0.2	0.5	6-6	6.5	100
Iowa darter	2	1.3	0.0	0.0	1-2	2.0	100
Johnny darter	9	5.7	0.0	0.1	1-2	2.3	100
Largemouth bass	1	0.6	0.0	0.0	1-1	1.5	0
Central mudminnow	3	1.9	0.0	0.1	2-3	3.2	100
Pirate perch	2	1.3	0.0	0.1	2-2	2.5	100
All species totals:	158		39.5				

* Note some fish may be measured to 0.1 inch, others to inch group: e.g., "5" = 5.0 to 5.9 inches; "12" = 12.0 to 12.9 inches; etc.

** Percent legal or acceptable size for angling.



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Species/strain	Inch group	No. caught	Lbs. caught
Common carp	24	1	6.78
Avg. length: 24.5 in.	Sample totals:	1	6.78
Creek chub	1	1	0
	2	7	0.04
	3	5	0.08
	4	8	0.26
	5	3	0.18
	6	1	0.1
Avg. length: 3.8 in.	Sample totals:	25	0.66
Common shiner	6	1	0.12
	7	1	0.2
Avg. length: 7 in.	Sample totals:	2	0.32
White sucker	1	6	0.01
	2	5	0.03
	3	19	0.32
	4	16	0.57
	5	10	0.65
	6	6	0.65
	7	7	1.16
	8	8	1.93
	9	5	1.68
	10	5	2.27
	11	3	1.79
	12	11	8.42
	13	2	1.93
	14	1	1.2
16	1	1.76	
Avg. length: 6.7 in.	Sample totals:	105	24.37
Golden redhorse	3	1	0.02
	6	1	0.11
	17	1	1.88
	24	1	5
Avg. length: 13 in.	Sample totals:	4	7.01
Grass pickerel	6	4	0.21
Avg. length: 6.5 in.	Sample totals:	4	0.21



Species/strain	Inch group	No. caught	Lbs. caught
Iowa darter	1	1	0
	2	1	0
Avg. length: 2 in.	Sample totals:	2	0
Johnny darter	1	2	0
	2	7	0.04
Avg. length: 2.3 in.	Sample totals:	9	0.04
Largemouth bass	1	1	0
	Sample totals:	1	0
Central mudminnow	2	1	0.01
	3	2	0.03
	Sample totals:	3	0.04
Pirate perch	2	2	0.02
	Sample totals:	2	0.02