



Water: Thornapple River -Cascade Discharge county: Kent
Survey begin: 07/18/2005 end: 07/19/2005 T/R/S: 06N 10W 16
Survey type: Inland Stream Status: Field Work Complete
Primary purpose: General Survey
Note: Grand River assessment.

Gear:		
No. used	Gear	Common name
1	Boom Shocker	Boom Shocker (Mich)

Species		Number	Percent by number	Weight (lb.)	Percent by weight	Length range (in.)*	Average length (in.)	Percent legal size**
Bluegill		12	2.2	1.9	0.3	4-7		58
	BOOMSHK effort 310 Feet 1000 Seconds	1	0.2	0.3	0.1	7-7	7.5	100
	BOOMSHK effort 1100 Feet 2823 Seconds	11	2.0	1.6	0.3	4-6	6.0	55
Bluntnose minnow		37	6.8	0.1	0.0	1-3		100
	BOOMSHK effort 310 Feet 1000 Seconds	32	5.8	0.1	0.0	1-2	1.8	100
	BOOMSHK effort 1100 Feet 2823 Seconds	5	0.9	0.0	0.0	1-3	2.1	100
Bowfin		1	0.2	4.0	0.7	22-22		100
	BOOMSHK effort 1100 Feet 2823 Seconds	1	0.2	4.0	0.7	22-22	22.5	100
Blackside darter		2	0.4	0.0	0.0	1-1		100
	BOOMSHK effort 310 Feet 1000 Seconds	2	0.4	0.0	0.0	1-1	1.5	100
Common carp		10	1.8	72.6	12.4	18-32		100
	BOOMSHK effort 0.33 Miles 900 Seconds	1	0.2	15.1	2.6	32-32	32.5	100
	BOOMSHK effort 1100 Feet 2823 Seconds	9	1.6	57.5	9.8	18-26	23.8	100
Channel catfish		8	1.5	15.4	2.6	16-19		100
	BOOMSHK effort 0.33 Miles 900 Seconds	4	0.7	7.5	1.3	16-19	18.3	100
	BOOMSHK effort 1100 Feet 2823 Seconds	4	0.7	7.8	1.3	16-19	18.5	100
White sucker		20	3.6	4.0	0.7	1-16		100
	BOOMSHK effort 310 Feet 1000 Seconds	17	3.1	0.1	0.0	1-2	2.0	100
	BOOMSHK effort 1100 Feet 2823 Seconds	3	0.5	3.9	0.7	13-16	14.8	100
Golden redhorse		178	32.5	197.7	33.8	7-18		100
	BOOMSHK effort 0.33 Miles 900 Seconds	89	16.2	111.6	19.1	8-18	14.9	100
	BOOMSHK effort 310 Feet 1000 Seconds	21	3.8	18.1	3.1	7-17	12.7	100
	BOOMSHK effort 1100 Feet 2823 Seconds	68	12.4	68.0	11.6	7-16	13.9	100
Greater redhorse		9	1.6	27.4	4.7	13-23		100
	BOOMSHK effort 0.33 Miles 900 Seconds	5	0.9	12.9	2.2	13-21	19.1	100



Fish Collection System

Produced: March 30, 2007

Species	Number	Percent by number	Weight (lb.)	Percent by weight	Length range (in.)*	Average length (in.)	Percent legal size**
Greater redhorse	9	1.6	27.4	4.7	13-23		100
BOOMSHK effort 310 Feet 1000 Seconds	2	0.4	6.1	1.0	18-22	20.5	100
BOOMSHK effort 1100 Feet 2823 Seconds	2	0.4	8.3	1.4	22-23	23.0	100
Johnny darter	13	2.4	0.0	0.0	1-1		100
BOOMSHK effort 310 Feet 1000 Seconds	13	2.4	0.0	0.0	1-1	1.5	100
Largemouth bass	6	1.1	5.2	0.9	2-15		33
BOOMSHK effort 310 Feet 1000 Seconds	2	0.4	0.0	0.0	2-3	3.0	0
BOOMSHK effort 1100 Feet 2823 Seconds	4	0.7	5.1	0.9	10-15	13.3	50
Logperch	5	0.9	0.1	0.0	1-5		100
BOOMSHK effort 0.33 Miles 900 Seconds	1	0.2	0.0	0.0	4-4	4.5	100
BOOMSHK effort 310 Feet 1000 Seconds	2	0.4	0.0	0.0	1-3	2.5	100
BOOMSHK effort 1100 Feet 2823 Seconds	2	0.4	0.1	0.0	4-5	5.0	100
Mimic shiner	25	4.6	0.0	0.0	1-2		100
BOOMSHK effort 310 Feet 1000 Seconds	25	4.6	0.0	0.0	1-2	1.6	100
Northern hog sucker	15	2.7	16.2	2.8	5-16		100
BOOMSHK effort 0.33 Miles 900 Seconds	4	0.7	4.8	0.8	12-16	14.0	100
BOOMSHK effort 310 Feet 1000 Seconds	9	1.6	8.9	1.5	5-15	12.7	100
BOOMSHK effort 1100 Feet 2823 Seconds	2	0.4	2.5	0.4	14-14	14.5	100
Northern pike	1	0.2	5.8	1.0	29-29		100
BOOMSHK effort 1100 Feet 2823 Seconds	1	0.2	5.8	1.0	29-29	29.5	100
River redhorse	31	5.7	100.0	17.1	11-26		100
BOOMSHK effort 0.33 Miles 900 Seconds	24	4.4	83.9	14.3	19-26	21.5	100
BOOMSHK effort 310 Feet 1000 Seconds	4	0.7	9.1	1.5	11-20	18.0	100
BOOMSHK effort 1100 Feet 2823 Seconds	3	0.5	7.0	1.2	18-19	18.8	100
Rock bass	30	5.5	6.9	1.2	4-8		70
BOOMSHK effort 0.33 Miles 900 Seconds	2	0.4	0.6	0.1	5-8	7.0	50
BOOMSHK effort 310 Feet 1000 Seconds	12	2.2	3.3	0.6	5-8	7.1	83
BOOMSHK effort 1100 Feet 2823 Seconds	16	2.9	3.1	0.5	4-8	6.2	63
Rosyface shiner	2	0.4	0.0	0.0	1-2		100
BOOMSHK effort 310 Feet 1000 Seconds	2	0.4	0.0	0.0	1-2	2.0	100
Sand shiner	12	2.2	0.0	0.0	1-2		100
BOOMSHK effort 310 Feet 1000 Seconds	12	2.2	0.0	0.0	1-2	1.9	100



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Spotfin shiner	13	2.4	0.1	0.0	2-3		100
BOOMSHK effort 310 Feet 1000 Seconds	1	0.2	0.0	0.0	3-3	3.5	100
BOOMSHK effort 1100 Feet 2823 Seconds	12	2.2	0.1	0.0	2-3	3.0	100
Shorthead redhorse	64	11.7	74.3	12.7	7-17		100
BOOMSHK effort 0.33 Miles 900 Seconds	36	6.6	40.8	7.0	11-17	14.0	100
BOOMSHK effort 310 Feet 1000 Seconds	20	3.6	25.7	4.4	9-16	14.5	100
BOOMSHK effort 1100 Feet 2823 Seconds	8	1.5	7.8	1.3	7-15	12.8	100
Silver redhorse	7	1.3	20.5	3.5	19-21		100
BOOMSHK effort 1100 Feet 2823 Seconds	7	1.3	20.5	3.5	19-21	20.9	100
Smallmouth bass	41	7.5	25.5	4.4	2-16		12
BOOMSHK effort 0.33 Miles 900 Seconds	13	2.4	12.9	2.2	10-16	12.2	23
BOOMSHK effort 310 Feet 1000 Seconds	9	1.6	5.2	0.9	2-15	8.7	11
BOOMSHK effort 1100 Feet 2823 Seconds	19	3.5	7.4	1.3	2-14	8.1	5
Walleye	3	0.5	7.1	1.2	17-21		100
BOOMSHK effort 0.33 Miles 900 Seconds	1	0.2	3.3	0.6	21-21	21.5	100
BOOMSHK effort 1100 Feet 2823 Seconds	2	0.4	3.8	0.6	17-18	18.0	100
Yellow bullhead	3	0.5	0.5	0.1	5-8		33
BOOMSHK effort 0.33 Miles 900 Seconds	1	0.2	0.3	0.1	8-8	8.5	100
BOOMSHK effort 1100 Feet 2823 Seconds	2	0.4	0.2	0.0	5-6	6.0	0
All species totals:	548		585.3				

* 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.