

## Survey Report for CadillacMitchell, , Winter, 2007

<b>Waterbody</b>	CadillacMitchell
<b>Year</b>	Winter, 2007
<b>County</b>	
<b>Sites</b>	Cadillac,Mitchell
<b>Survey period</b>	January 19 to March 24
<b>Survey design</b>	
<b>Interview type/mode</b>	roving/open ice, shanty
<b>Count type/mode</b>	aerial, progressive/
<b>Clerk time</b>	
<b>Survey purpose</b>	Characterize general effort and catch aspects of the fishery

### Notes

Survey followed a design. All funding was provided through Fisheries Division. One clerk worked to collect angling (interview and count) data. Both weekend days and 3 randomly selected weekdays were selected for sampling during each week of the survey season. No holidays were sampled. Clerk followed a randomized count and interview schedule. One of two shifts was selected each sample day. CadillacMitchell was divided into 2 sections: . Each section was sampled per day. Starting location within a section and direction of travel were randomized for both counting and interviewing. counts of anglers were made once per day. Survey period for both counts and interviews was January 19 to March 24. Months were estimated separately. Estimates are given in Tables xxx.

Estimated harvest, catch per hour, and fishing pressure for Cadillac, open ice. Two standard errors are given in parentheses.

Species	C/H	January-February	March	Season
<b>HARVEST</b>				
Walleye	0 (0)	0 (0)	0 (0)	0 (0)
Northern pike	0.0086 (0.0070)	82 (65)	34 (58)	116 (87)
Yellow Perch	0.3582 (0.2121)	2,375 (1,140)	2,439 (2,153)	4,814 (2,436)
Bluegill	0.0570 (0.0542)	161 (122)	606 (678)	766 (689)
Pumpkinseed	0.0087 (0.0078)	105 (96)	12 (25)	117 (99)
Rock bass	0.0019 (0.0025)	13 (21)	12 (25)	25 (32)
Black crappie	0.4535 (0.2723)	3,636 (1,461)	2,459 (2,783)	6,096 (3,143)
<b>TOTAL HARVEST</b>	<b>0.8879 (0.4061)</b>	<b>6,372 (1,861)</b>	<b>5,563 (3,584)</b>	<b>11,935 (4,039)</b>
<b>RELEASED</b>				
Northern pike	0.0073 (0.0058)	64 (61)	35 (37)	98 (71)
Largemouth bass	0.0018 (0.0023)	11 (17)	13 (25)	24 (30)
Smallmouth bass	0.0046 (0.0048)	56 (60)	6 (13)	62 (62)
Yellow Perch	0.8101 (0.4869)	5,385 (2,294)	5,504 (5,133)	10,889 (5,622)
Bluegill	0.1205 (0.0902)	831 (574)	789 (944)	1,620 (1,104)
Pumpkinseed	0.0029 (0.0033)	39 (43)	0 (0)	39 (43)
Rock bass	0.0070 (0.0064)	94 (81)	0 (0)	94 (81)
Black crappie	0.1389 (0.0843)	1,384 (796)	483 (566)	1,867 (976)
<b>TOTAL RELEASED</b>	<b>1.0932 (0.5479)</b>	<b>7,864 (2,498)</b>	<b>6,830 (5,250)</b>	<b>14,694 (5,814)</b>
<b>TOTAL CATCH</b>	<b>1.9811 (0.8054)</b>	<b>14,236 (3,115)</b>	<b>12,392 (6,356)</b>	<b>26,628 (7,079)</b>
<b>ANGLER HOURS</b>		<b>9,062 (2,624)</b>	<b>4,379 (3,195)</b>	<b>13,441 (4,134)</b>
<b>ANGLER TRIPS</b>		<b>2,587 (1,032)</b>	<b>755 (685)</b>	<b>3,343 (1,239)</b>

Estimated harvest, catch per hour, and fishing pressure for Cadillac, shanty. Two standard errors are given in parentheses.

Species	C/H	January-February	March	Season
<b>HARVEST</b>				
Walleye	0 (0)	0 (0)	0 (0)	0 (0)
Northern pike	0.0068 (0.0139)	11 (22)	0 (0)	11 (22)
Yellow Perch	0.0921 (0.0951)	63 (90)	83 (105)	146 (138)
Bluegill	0.0213 (0.0339)	24 (48)	10 (19)	34 (52)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)
Black crappie	0.1088 (0.1739)	172 (266)	0 (0)	172 (266)
<b>TOTAL HARVEST</b>	<b>0.2290 (0.2141)</b>	<b>270 (286)</b>	<b>92 (106)</b>	<b>362 (305)</b>
<b>RELEASED</b>				
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)
Largemouth bass	0 (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0.0868 (0.0961)	81 (116)	56 (80)	137 (141)
Bluegill	0.0431 (0.0747)	68 (115)	0 (0)	68 (115)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)
Rock bass	0.0076 (0.0155)	12 (24)	0 (0)	12 (24)
Black crappie	0.0746 (0.1006)	118 (152)	0 (0)	118 (152)
<b>TOTAL RELEASED</b>	<b>0.2121 (0.1736)</b>	<b>280 (224)</b>	<b>56 (80)</b>	<b>336 (238)</b>
<b>TOTAL CATCH</b>	<b>0.4411 (0.3034)</b>	<b>550 (363)</b>	<b>148 (133)</b>	<b>698 (387)</b>
<b>ANGLER HOURS</b>		<b>1,419 (621)</b>	<b>163 (170)</b>	<b>1,583 (644)</b>
<b>ANGLER TRIPS</b>		<b>307 (140)</b>	<b>35 (37)</b>	<b>343 (145)</b>

Estimated harvest, catch per hour, and fishing pressure for Mitchell, open ice. Two standard errors are given in parentheses.

Species	C/H	January-February	March	Season
<b>HARVEST</b>				
Walleye	0.0002 (0.0004)	3 (6)	0 (0)	3 (6)
Northern pike	0.0186 (0.0118)	241 (134)	47 (55)	288 (145)
Yellow Perch	0.0755 (0.0494)	845 (549)	322 (277)	1,167 (615)
Bluegill	0.0665 (0.0550)	289 (236)	739 (713)	1,029 (751)
Pumpkinseed	0.0208 (0.0172)	218 (180)	103 (150)	321 (235)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)
Black crappie	0.2663 (0.1651)	1,861 (1,058)	2,256 (1,685)	4,117 (1,989)
<b>TOTAL HARVEST</b>	<b>0.4479 (0.2261)</b>	<b>3,458 (1,236)</b>	<b>3,467 (1,857)</b>	<b>6,924 (2,231)</b>
<b>RELEASED</b>				
Northern pike	0.0270 (0.0167)	273 (152)	144 (130)	418 (200)
Largemouth bass	0 (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0.4818 (0.2984)	5,673 (3,202)	1,776 (1,630)	7,449 (3,593)
Bluegill	0.1803 (0.1429)	1,656 (1,078)	1,131 (1,595)	2,787 (1,925)
Pumpkinseed	0.0009 (0.0011)	13 (17)	0 (0)	13 (17)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)
Black crappie	0.2658 (0.1933)	1,783 (1,314)	2,326 (2,157)	4,109 (2,526)
<b>TOTAL RELEASED</b>	<b>0.9558 (0.4841)</b>	<b>9,399 (3,628)</b>	<b>5,378 (3,141)</b>	<b>14,777 (4,799)</b>
<b>TOTAL CATCH</b>	<b>1.4036 (0.6441)</b>	<b>12,856 (3,833)</b>	<b>8,845 (3,649)</b>	<b>21,701 (5,293)</b>
<b>ANGLER HOURS</b>		<b>11,856 (5,475)</b>	<b>3,605 (2,478)</b>	<b>15,461 (6,010)</b>
<b>ANGLER TRIPS</b>		<b>3,489 (2,395)</b>	<b>1,030 (840)</b>	<b>4,519 (2,538)</b>

Estimated harvest, catch per hour, and fishing pressure for Mitchell, shanty. Two standard errors are given in parentheses.

Species	C/H	January-February	March	Season
<b>HARVEST</b>				
Walleye	0 (0)	0 (0)	0 (0)	0 (0)
Northern pike	0 (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)
Bluegill	0.0398 (0.0807)	48 (97)	0 (0)	48 (97)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)
Black crappie	0.0207 (0.0419)	0 (0)	25 (50)	25 (50)
<b>TOTAL HARVEST</b>	<b>0.0605 (0.0918)</b>	<b>48 (97)</b>	<b>25 (50)</b>	<b>73 (109)</b>
<b>RELEASED</b>				
Northern pike	0.0190 (0.0275)	23 (33)	0 (0)	23 (33)
Largemouth bass	0 (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0 (0)	0 (0)	0 (0)	0 (0)
Bluegill	0 (0)	0 (0)	0 (0)	0 (0)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)
Black crappie	0 (0)	0 (0)	0 (0)	0 (0)
<b>TOTAL RELEASED</b>	<b>0.0190 (0.0275)</b>	<b>23 (33)</b>	<b>0 (0)</b>	<b>23 (33)</b>
<b>TOTAL CATCH</b>	<b>0.0795 (0.0971)</b>	<b>71 (102)</b>	<b>25 (50)</b>	<b>96 (114)</b>
<b>ANGLER HOURS</b>		<b>1,038 (376)</b>	<b>176 (117)</b>	<b>1,213 (394)</b>
<b>ANGLER TRIPS</b>		<b>304 (111)</b>	<b>51 (34)</b>	<b>355 (116)</b>

Estimated harvest, catch per hour, and fishing pressure for Cadillac. Two standard errors are given in parentheses.

Species	C/H	January-February	March	Season
<b>HARVEST</b>				
Walleye	0 (0)	0 (0)	0 (0)	0 (0)
Northern pike	0.0084 (0.0064)	93 (68)	34 (58)	126 (90)
Yellow Perch	0.3302 (0.1867)	2,439 (1,144)	2,521 (2,155)	4,960 (2,440)
Bluegill	0.0532 (0.0483)	185 (131)	615 (679)	800 (691)
Pumpkinseed	0.0078 (0.0069)	105 (96)	12 (25)	117 (99)
Rock bass	0.0017 (0.0022)	13 (21)	12 (25)	25 (32)
Black crappie	0.4172 (0.2400)	3,809 (1,485)	2,459 (2,783)	6,268 (3,155)
<b>TOTAL HARVEST</b>	<b>0.8185 (0.3531)</b>	<b>6,642 (1,883)</b>	<b>5,655 (3,586)</b>	<b>12,297 (4,050)</b>
<b>RELEASED</b>				
Northern pike	0.0065 (0.0051)	64 (61)	35 (37)	98 (71)
Largemouth bass	0.0016 (0.0021)	11 (17)	13 (25)	24 (30)
Smallmouth bass	0.0042 (0.0043)	56 (60)	6 (13)	62 (62)
Yellow Perch	0.7339 (0.4265)	5,466 (2,297)	5,560 (5,133)	11,026 (5,624)
Bluegill	0.1124 (0.0803)	899 (585)	789 (944)	1,688 (1,110)
Pumpkinseed	0.0026 (0.0030)	39 (43)	0 (0)	39 (43)
Rock bass	0.0071 (0.0060)	106 (84)	0 (0)	106 (84)
Black crappie	0.1321 (0.0754)	1,502 (810)	483 (566)	1,985 (988)
<b>TOTAL RELEASED</b>	<b>1.0004 (0.4771)</b>	<b>8,144 (2,508)</b>	<b>6,886 (5,250)</b>	<b>15,029 (5,818)</b>
<b>TOTAL CATCH</b>	<b>1.8189 (0.6923)</b>	<b>14,786 (3,136)</b>	<b>12,540 (6,358)</b>	<b>27,326 (7,089)</b>
<b>ANGLER HOURS</b>		<b>10,481 (2,697)</b>	<b>4,543 (3,199)</b>	<b>15,023 (4,184)</b>
<b>ANGLER TRIPS</b>		<b>2,895 (1,042)</b>	<b>790 (686)</b>	<b>3,685 (1,247)</b>

Estimated harvest, catch per hour, and fishing pressure for Mitchell. Two standard errors are given in parentheses.

Species	C/H	January-February	March	Season
<b>HARVEST</b>				
Walleye	0.0002 (0.0003)	3 (6)	0 (0)	3 (6)
Northern pike	0.0173 (0.0107)	241 (134)	47 (55)	288 (145)
Yellow Perch	0.0700 (0.0447)	845 (549)	322 (277)	1,167 (615)
Bluegill	0.0646 (0.0511)	338 (255)	739 (713)	1,077 (757)
Pumpkinseed	0.0192 (0.0157)	218 (180)	103 (150)	321 (235)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)
Black crappie	0.2484 (0.1493)	1,861 (1,058)	2,281 (1,685)	4,142 (1,990)
<b>TOTAL HARVEST</b>	<b>0.4197 (0.2023)</b>	<b>3,506 (1,240)</b>	<b>3,492 (1,858)</b>	<b>6,998 (2,234)</b>
<b>RELEASED</b>				
Northern pike	0.0264 (0.0155)	297 (155)	144 (130)	441 (203)
Largemouth bass	0 (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0.4467 (0.2692)	5,673 (3,202)	1,776 (1,630)	7,449 (3,593)
Bluegill	0.1671 (0.1303)	1,656 (1,078)	1,131 (1,595)	2,787 (1,925)
Pumpkinseed	0.0008 (0.0010)	13 (17)	0 (0)	13 (17)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)
Black crappie	0.2465 (0.1757)	1,783 (1,314)	2,326 (2,157)	4,109 (2,526)
<b>TOTAL RELEASED</b>	<b>0.8876 (0.4308)</b>	<b>9,422 (3,629)</b>	<b>5,378 (3,141)</b>	<b>14,800 (4,799)</b>
<b>TOTAL CATCH</b>	<b>1.3073 (0.5690)</b>	<b>12,928 (3,835)</b>	<b>8,870 (3,649)</b>	<b>21,798 (5,294)</b>
<b>ANGLER HOURS</b>		<b>12,894 (5,488)</b>	<b>3,781 (2,481)</b>	<b>16,674 (6,022)</b>
<b>ANGLER TRIPS</b>		<b>3,793 (2,397)</b>	<b>1,081 (841)</b>	<b>4,874 (2,541)</b>

Estimated harvest, catch per hour, and fishing pressure for Open ice, two lakes. Two standard errors are given in parentheses.

Species	C/H	January-February	March	Season
<b>HARVEST</b>				
Walleye	0.0001 (0.0002)	3 (6)	0 (0)	3 (6)
Northern pike	0.0140 (0.0068)	323 (149)	81 (80)	403 (169)
Yellow Perch	0.2070 (0.1014)	3,221 (1,266)	2,761 (2,171)	5,981 (2,513)
Bluegill	0.0621 (0.0386)	450 (266)	1,345 (984)	1,795 (1,019)
Pumpkinseed	0.0152 (0.0096)	323 (204)	115 (152)	438 (255)
Rock bass	0.0009 (0.0011)	13 (21)	12 (25)	25 (32)
Black crappie	0.3534 (0.1566)	5,498 (1,804)	4,715 (3,253)	10,213 (3,720)
<b>TOTAL HARVEST</b>	<b>0.6525 (0.2294)</b>	<b>9,830 (2,234)</b>	<b>9,029 (4,037)</b>	<b>18,859 (4,614)</b>
<b>RELEASED</b>				
Northern pike	0.0179 (0.0086)	337 (164)	179 (136)	516 (212)
Largemouth bass	0.0008 (0.0011)	11 (17)	13 (25)	24 (30)
Smallmouth bass	0.0022 (0.0022)	56 (60)	6 (13)	62 (62)
Yellow Perch	0.6345 (0.2810)	11,058 (3,939)	7,280 (5,385)	18,338 (6,672)
Bluegill	0.1525 (0.0859)	2,486 (1,221)	1,921 (1,853)	4,407 (2,220)
Pumpkinseed	0.0018 (0.0017)	52 (46)	0 (0)	52 (46)
Rock bass	0.0033 (0.0029)	94 (81)	0 (0)	94 (81)
Black crappie	0.2068 (0.1073)	3,168 (1,537)	2,809 (2,230)	5,977 (2,708)
<b>TOTAL RELEASED</b>	<b>1.0197 (0.3664)</b>	<b>17,263 (4,405)</b>	<b>12,208 (6,118)</b>	<b>29,470 (7,539)</b>
<b>TOTAL CATCH</b>	<b>1.6722 (0.5212)</b>	<b>27,093 (4,939)</b>	<b>21,237 (7,329)</b>	<b>48,329 (8,838)</b>
<b>ANGLER HOURS</b>		<b>20,917 (6,071)</b>	<b>7,984 (4,043)</b>	<b>28,902 (7,294)</b>
<b>ANGLER TRIPS</b>		<b>6,076 (2,608)</b>	<b>1,785 (1,084)</b>	<b>7,862 (2,824)</b>



Estimated harvest, catch per hour, and fishing pressure for shanty, two lakes. Two standard errors are given in parentheses.

Species	C/H	January-February	March	Season
<b>HARVEST</b>				
Walleye	0 (0)	0 (0)	0 (0)	0 (0)
Northern pike	0.0039 (0.0078)	11 (22)	0 (0)	11 (22)
Yellow Perch	0.0521 (0.0514)	63 (90)	83 (105)	146 (138)
Bluegill	0.0293 (0.0400)	72 (108)	10 (19)	82 (110)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)
Rock bass	0 (0)	0 (0)	0 (0)	0 (0)
Black crappie	0.0705 (0.0987)	172 (266)	25 (50)	197 (271)
<b>TOTAL HARVEST</b>	<b>0.1559 (0.1233)</b>	<b>319 (302)</b>	<b>117 (118)</b>	<b>436 (324)</b>
<b>RELEASED</b>				
Northern pike	0.0083 (0.0118)	23 (33)	0 (0)	23 (33)
Largemouth bass	0 (0)	0 (0)	0 (0)	0 (0)
Smallmouth bass	0 (0)	0 (0)	0 (0)	0 (0)
Yellow Perch	0.0491 (0.0523)	81 (116)	56 (80)	137 (141)
Bluegill	0.0244 (0.0417)	68 (115)	0 (0)	68 (115)
Pumpkinseed	0 (0)	0 (0)	0 (0)	0 (0)
Rock bass	0.0043 (0.0087)	12 (24)	0 (0)	12 (24)
Black crappie	0.0422 (0.0555)	118 (152)	0 (0)	118 (152)
<b>TOTAL RELEASED</b>	<b>0.1283 (0.0928)</b>	<b>303 (227)</b>	<b>56 (80)</b>	<b>359 (241)</b>
<b>TOTAL CATCH</b>	<b>0.2842 (0.1634)</b>	<b>621 (377)</b>	<b>173 (142)</b>	<b>794 (403)</b>
<b>ANGLER HOURS</b>		<b>2,457 (726)</b>	<b>339 (206)</b>	<b>2,796 (755)</b>
<b>ANGLER TRIPS</b>		<b>611 (179)</b>	<b>87 (51)</b>	<b>698 (186)</b>

Estimated harvest, catch per hour, and fishing pressure for Cadillac and Mitchell, combined. Two standard errors are given in parentheses.

Species	C/H	January-February	March	Season
<b>HARVEST</b>				
Walleye	0.0001 (0.0002)	3 (6)	0 (0)	3 (6)
Northern pike	0.0131 (0.0062)	333 (150)	81 (80)	414 (170)
Yellow Perch	0.1933 (0.0911)	3,284 (1,269)	2,843 (2,173)	6,127 (2,517)
Bluegill	0.0592 (0.0351)	522 (287)	1,355 (984)	1,877 (1,025)
Pumpkinseed	0.0138 (0.0086)	323 (204)	115 (152)	438 (255)
Rock bass	0.0008 (0.0010)	13 (21)	12 (25)	25 (32)
Black crappie	0.3284 (0.1401)	5,670 (1,824)	4,740 (3,254)	10,410 (3,730)
<b>TOTAL HARVEST</b>	<b>0.6087 (0.2028)</b>	<b>10,148 (2,255)</b>	<b>9,146 (4,038)</b>	<b>19,295 (4,625)</b>
<b>RELEASED</b>				
Northern pike	0.0170 (0.0078)	360 (167)	179 (136)	539 (215)
Largemouth bass	0.0008 (0.0010)	11 (17)	13 (25)	24 (30)
Smallmouth bass	0.0020 (0.0020)	56 (60)	6 (13)	62 (62)
Yellow Perch	0.5829 (0.2500)	11,139 (3,940)	7,336 (5,386)	18,475 (6,673)
Bluegill	0.1412 (0.0774)	2,555 (1,227)	1,921 (1,853)	4,475 (2,222)
Pumpkinseed	0.0016 (0.0015)	52 (46)	0 (0)	52 (46)
Rock bass	0.0034 (0.0028)	106 (84)	0 (0)	106 (84)
Black crappie	0.1923 (0.0964)	3,286 (1,544)	2,809 (2,230)	6,095 (2,712)
<b>TOTAL RELEASED</b>	<b>0.9411 (0.3225)</b>	<b>17,565 (4,411)</b>	<b>12,264 (6,118)</b>	<b>29,829 (7,543)</b>
<b>TOTAL CATCH</b>	<b>1.5498 (0.4544)</b>	<b>27,714 (4,954)</b>	<b>21,410 (7,331)</b>	<b>49,124 (8,848)</b>
<b>ANGLER HOURS</b>		<b>23,374 (6,115)</b>	<b>8,323 (4,048)</b>	<b>31,698 (7,333)</b>
<b>ANGLER TRIPS</b>		<b>6,687 (2,614)</b>	<b>1,872 (1,085)</b>	<b>8,559 (2,830)</b>