



DRAFT

Where do Shawano Lake Boaters Come From?

Data From Periodic Clean Boats, Clean Waters Inspections, 2011-2013

Jay Moynihan

V 04/24/2014

*Your county
extension office*



**uw
Extension**
Cooperative Extension
Shawano County

Jay Moynihan
Community Resource Development
Room 101 Shawano County Courthouse 311 N. Main street Shawano,
Wisconsin 54166 U.S.A. (715) 526 – 6136 jay.moynihan@ces.uwex.edu

Introduction

"Through the *Clean Boats, Clean Waters* program (CBCW), volunteers are trained to organize and conduct a boater education program in their community. Adults and youth teams educate boaters on how and where invasive species are most likely to hitch a ride into water bodies. Volunteers perform boat and trailer checks for invasive species, distribute informational brochures and collect and report any new water body infestations."

<http://www4.uwsp.edu/cnr/uwexplakes/CBCW/default.asp>

In 2011 Shawano County hired an invasive species specialist/coordinator and commenced an AIS program. It operated for three years. It was funded by the WI-DNR. One of the operations in that program was CBCW.

A standardized recording form is used when CBCW personnel talk with a boater. One of the items recorded on the form is the zip code of the residence of the boater. This paper uses that zip code data to illustrate the origin of boaters visiting Shawano Lake, during dates in 2011-2013.

Limitations on the Utility of this Information

1. The data was collected periodically during the boating season. It was not collected every day of the boating season.

Number of data collection days¹ :

2011: 48

2012: 42

2013: 64

Total: 154

2. Only watercraft that were towed by, or carried on a motor vehicle were inspected.

3. CBCW inspections were done at public landings capable of handling towed watercraft. On any given day when inspections were done, they took place at most, at 3 of 7² possible landings³.

4. CBCW inspections were not done at 8 public access/egress point, that were not trailer compatible.

5. CBCW inspection did not occur at any private property shoreline sites.

Prior Related Studies

I am not aware of any prior studies or surveys have been done on the place of residence of Shawano Lake boaters.

¹ "day" refers to the date. It does not refer to a period of hours during a day.

² This number includes the *Huckleberry Harbor* landing in downtown Shawano.

³ CBCW operated at a number lakes in the county 2011-2013. Most CBCW makes heavy use of volunteers from the relevant lake district or association. CBCW on Shawano Lake was done by county government staff and their interns, with no volunteers.

Acknowledgements

I would like to thank Rhonda Sumnicht, UW Extension Shawano County for data entry and Excel runs. I would also like to thank John Motquin, former Shawano County Aquatic Invasives Species Coordinator who ran the CBCW program, The staff of the Land Conservation Department of Shawano County also for their work on CBCW, John's student interns.

Data About Ten Highest Places of Origin (by year)

The top three origin places of boaters survey, during the three year period:

City of Shawano

Green Bay

Appleton

Origin	2011	Appox. % of 2011 Total (1050)
City of Shawano	257	24.5
Green Bay	70	7
Appleton	60	6
Babcock	59	5.5
De Pere	34	3
Kaukanna	29	3
Pulaski	29	3
Elroy	18	2
Combined Locks	14	1.5
Black Creek	13	1

Origin	2012	Appox. % of 2012 Total (1510)
City of Shawano	318	21
Green Bay	213	14
Appleton	81	5
Seymour	71	5
Pulaski	63	4
Bonduel	55	3.5
Cecil	53	3.5
Kaukanna	47	3
Pulcifer	35	2.5
Clintonville	34	2.5

Origin	2013	Appox. % of 2013 Total (1875)
City of Shawano	854	45.5
Green Bay	140	7.5
Appleton	64	3.5
Clintonville	57	3
Bonduel	48	2.5
De Pere	38	2
Cecil	37	2
Gresham	30	1.5
Seymour	19	1
Manitowoc	18	1

2011 Shawano Lake surveyed boaters by place of origin

Shawano Lake	1050
Abrams	1
WI	1
Addison	2
IL	2
Algoma	4
WI	4
Antigo	4
WI	4
Appleton	60
WI	60
Armstrong	7
WI	7
Babcock	59
WI	59
Beaver Dam	2
WI	2
Belgium	4
WI	4
Black Creek	13
WI	13
Black River Falls	2
WI	2
Bonduel	11
WI	11
Bowler	4
WI	4
Brussels	2
WI	2
Burbank	2
IL	2
Campbellsport	2
WI	2
Casco	2
WI	2
Cecil	6
WI	6
Combined Locks	14
WI	14
Crivitz	3

WI	3
Crystal Lake	2
IL	2
Denmark	3
WI	3
DePere	34
WI	34
East Troy	1
WI	1
Eau Claire	2
WI	2
Elkhart Lake	2
WI	2
Elroy	18
WI	18
Fairwater	2
WI	2
Franksville	2
WI	2
Gillett	19
WI	19
Green Bay	70
WI	70
Greenleaf	3
WI	3
Greenville	4
WI	4
Gresham	6
WI	6
Hortonville	3
WI	3
Iola	3
WI	3
Kaukauna	29
WI	29
Kenosha	1
WI	1
Kewaskum	3
WI	3
Kewaunee	4
WI	4
Krakov	5
WI	5

Lena	1
WI	1
Lester Prairie	3
MN	3
Little Chute	6
WI	6
Little Suamico	2
WI	2
Luxemburg	4
WI	4
Manitowoc	4
WI	4
Marinette	3
WI	3
Marion	12
WI	12
Mayville	2
WI	2
Mc Farland	1
WI	1
Menasha	8
WI	8
Menomonee Falls	3
WI	3
Milwaukee	8
WI	8
Mishicot	6
WI	6
Mosinee	4
WI	4
Neenah	4
WI	4
New Franken	2
WI	2
New London	9
WI	9
Oconto Falls	2
WI	2
Oshkosh	11
WI	11
Plymouth	3
WI	3
Port Washington	2
WI	2

Pulaski	29
WI	29
Ringwood	2
IL	2
Ripon	4
WI	4
Schofield	2
WI	2
Seymour	57
WI	57
Shawano	257
WI	257
Sheboygan	8
WI	8
Sheboygan Falls	1
WI	1
Shiocton	8
WI	8
Slinger	3
WI	3
Sobieski	8
WI	8
Stevens Point	6
WI	6
Suamico	2
WI	2
Sun Prairie	2
WI	2
Tigerton	7
WI	7
Tuscola	2
IL	2
Two Rivers	2
WI	2
Waldo	2
WI	2
Watertown	4
WI	4
West Bend	3
WI	3
Whitelaw	3
WI	3
Winneconne	2
WI	2
(blank)	116

WI	2
(blank)	114

2012 Shawano Lake surveyed boaters by place of origin

Shawano Lake	1510
13413	3
New Hartford	3
NY	3
25560	2
Scott Depot	2
WV	2
48356	2
Highland	2
MI	2
53010	2
Campbellsport	2
WI	2
53013	2
Cedar Grove	2
WI	2
53014	2
Chilton	2
WI	2
53015	3
Cleveland	3
WI	3
53027	1
Hartford	1
WI	1
53037	3
Jackson	3
WI	3
53040	2
Kewaskum	2
WI	2
53044	2
Kohler	2
WI	2
53048	1
Lomira	1
WI	1

53049	2
Malone	2
WI	2
53050	4
Mayville	4
WI	4
53061	1
New Holstein	1
WI	1
53074	4
Port Washington	4
WI	4
53080	2
Saukville	2
WI	2
53081	2
Sheboygan	2
WI	2
53083	3
Sheboygan	3
WI	3
53085	2
Sheboygan Falls	2
WI	2
53095	5
West Bend	5
WI	5
53098	3
Watertown	3
WI	3
53129	3
Greendale	3
WI	3
53132	2
Franklin	2
WI	2
53137	1
Helenville	1
WI	1
53140	1
Kenosha	1
WI	1
53153	1
North Prairie	1
WI	1

53154	2
Oak Creek	2
WI	2
53172	2
Milwaukee	2
WI	2
53185	1
Waterford	1
WI	1
53186	2
Waukesha	2
WI	2
53188	1
Waukesha	1
WI	1
53217	2
Milwaukee	2
WI	2
53220	4
Milwaukee	4
WI	4
53221	1
Milwaukee	1
WI	1
53225	2
Wauwatosa	2
WI	2
53228	3
Milwaukee	3
WI	3
53235	1
Milwaukee	1
WI	1
53546	3
Janesville	3
WI	3
53551	2
Lake Mills	2
WI	2
53813	1
Lancaster	1
WI	1
53916	2
Beaver Dam	2
WI	2

53922	2
Burnett	2
WI	2
53925	2
Columbus	2
WI	2
54101	7
Abrams	7
WI	7
54103	2
Armstrong Creek	2
WI	2
54106	29
Black Creek	29
WI	29
54107	55
Bonduel	55
WI	55
54110	3
Brillion	3
WI	3
54111	53
Cecil	53
WI	53
54112	3
Coleman	3
WI	3
54113	2
Combined Locks	2
WI	2
54115	24
DePere	24
WI	24
54124	35
Pulcifer	35
WI	35
54128	4
Gresham	4
WI	4
54129	3
Hilbert	3
WI	3
54130	47
Kaukauna	47
WI	47

54135	5
Keshena	5
WI	5
54137	15
Krakow	15
WI	15
54139	5
Lena	5
WI	5
54140	2
Little Chute	2
WI	2
54141	7
Little Suamico	7
WI	7
54152	2
Nichols	2
WI	2
54154	13
Oconto Falls	13
WI	13
54155	22
Oneida	22
WI	22
54157	5
Peshtigo	5
WI	5
54162	63
Pulaski	63
WI	63
54165	71
Seymour	71
WI	71
54166	318
Shawano	318
WI	318
54169	2
Sherwood	2
WI	2
54170	12
Shiocton	12
WI	12
54171	12
Sobieski	12
WI	12

54173	4
Suamico	4
WI	4
54174	2
Suring	2
WI	2
54177	2
Wausaukee	2
WI	2
54180	2
Wrightstown	2
WI	2
54201	2
Algoma	2
WI	2
54208	2
Denmark	2
WI	2
54214	1
Francis Creek	1
WI	1
54217	2
Luxemburg	2
WI	2
54220	10
Manitowoc	10
WI	10
54227	1
Maribel	1
WI	1
54228	3
Mishicot	3
WI	3
54229	3
New Franken	3
WI	3
54230	3
Reedsville	3
WI	3
54241	1
Two Rivers	1
WI	1
54247	7
Whitelaw	7
WI	7

54301	2
Green Bay	2
WI	2
54302	20
Green Bay	20
WI	20
54303	35
Green Bay	35
WI	35
54304	28
Green Bay	28
WI	28
54307	2
Green Bay	2
WI	2
54311	25
Green Bay	25
WI	25
54313	99
Green Bay	99
WI	99
54315	2
Green Bay	2
WI	2
54321	1
(blank)	1
(blank)	1
54401	3
Wausau	3
WI	3
54403	3
Wausau	3
WI	3
54406	4
Amherst	4
WI	4
54409	4
Antigo	4
WI	4
54414	2
Biramwood	2
WI	2
54415	1
Blenker	1
WI	1

54416	5
Bowler	5
WI	5
54476	4
Schofield	4
WI	4
54482	3
Stevens Point	3
WI	3
54486	8
Tigerton	8
WI	8
54487	1
Tomahawk	1
WI	1
54499	3
Wittenberg	3
WI	3
54738	1
Eleva	1
WI	1
54901	4
Oshkosh	4
WI	4
54902	3
Oshkosh	3
WI	3
54911	6
Appleton	6
WI	6
54913	31
Appleton	31
WI	31
54914	7
Appleton	7
WI	7
54915	37
Appleton	37
WI	37
54923	2
Berlin	2
(blank)	2
54924	2
(blank)	2
(blank)	2

54926	1
Big Falls	1
WI	1
54928	3
Caroline	3
WI	3
54929	34
Clintonville	34
WI	34
54935	1
Fond Du Lac	1
WI	1
54942	10
Greenville	10
WI	10
54944	9
Hortonville	9
WI	9
54949	6
Manawa	6
WI	6
54950	6
Marion	6
WI	6
54952	7
Menasha	7
WI	7
54956	21
Neenah	21
WI	21
54961	7
New London	7
WI	7
54981	2
Waupaca	2
WI	2
54983	5
Weyauwega	5
WI	5
60007	3
Elk Grove Village	3
IL	3
60081	2
Spring Grove	2
IL	2

60099	3
Zion	3
IL	3
60265	1
(blank)	1
(blank)	1
60513	2
Brookfield	2
IL	2
60546	1
Riverside	1
IL	1
61354	2
Peru	2
IL	2
61542	2
Lewistown	2
IL	2
75160	2
Terrell	2
TX	2
76179	3
Fort Worth	3
TX	3
Illinois	3
(blank)	3
IL	3
Iowa	1
(blank)	1
IA	1
(blank)	65
(blank)	65
(blank)	65

**2013 Shawano Lake surveyed boaters by
place of origin**

Shawano Lake	1875
46322	3
Highland	3
IN	3
49801	2
Iron Mountain	2
MI	2
52806	1
Davenport	1
IA	1
53005	2
Brookfield	2
WI	2
53014	4
Chilton	4
WI	4
53040	2
Kewaskum	2
WI	2
53048	1
Lomira	1
WI	1
53050	6
Mayville	6
WI	6
53070	4
Oostburg	4
WI	4
53072	2
Pewaukee	2
WI	2
53073	1
Plymouth	1
WI	1
53081	7
Sheboygan	7
WI	7
53083	6
Sheboygan	6
WI	6
53090	3
West Bend	3
WI	3

53092	3
Mequon	3
WI	3
53093	1
Waldo	1
WI	1
53094	6
Watertown	6
WI	6
53118	2
Dousman	2
WI	2
53142	1
Kenosha	1
WI	1
53146	2
New Berlin	2
WI	2
53150	1
Muskego	1
WI	1
53172	2
Milwaukee	2
WI	2
53178	1
Sullivan	1
WI	1
53201	2
Milwaukee	2
WI	2
53209	2
Milwaukee	2
WI	2
53211	4
Milwaukee	4
WI	4
53214	1
Milwaukee	1
WI	1
53219	2
Milwaukee	2
WI	2
53225	1
Milwaukee	1
WI	1

53226	1
Milwaukee	1
WI	1
53227	1
Milwaukee	1
WI	1
53405	2
Racine	2
WI	2
53525	5
Clinton	5
WI	5
53529	2
Dane	2
WI	2
53546	2
Janesville	2
WI	2
53551	4
Lake Mills	4
WI	4
53559	3
Marshall	3
WI	3
54101	15
Abrams	15
WI	15
54102	2
Amberg	2
WI	2
54106	19
Black Creek	19
WI	19
54107	48
Bonduel	48
WI	48
54110	4
Brillion	4
WI	4
54111	37
Cecil	37
WI	37
54113	2
Combined Locks	2
WI	2

54115	38
DePere	38
WI	38
54122	1
(blank)	1
(blank)	1
54124	16
Gillett	16
WI	16
54126	2
Greenleaf	2
(blank)	2
54128	30
Gresham	30
(blank)	30
54129	4
Hilbert	4
(blank)	4
54130	11
Kaukauna	11
(blank)	11
54131	2
Freedom	2
(blank)	2
54135	14
Keshena	14
(blank)	14
54136	1
Kimberly	1
(blank)	1
54137	6
Krakow	6
(blank)	6
54140	2
Little Chute	2
(blank)	2
54141	3
Little Suamico	3
(blank)	3
54142	2
(blank)	2
(blank)	2
54147	2
(blank)	2
(blank)	2

54150	4
Neopit	4
(blank)	4
54155	11
Oneida	11
(blank)	11
54159	1
Porterfield	1
(blank)	1
54160	2
Potter	2
(blank)	2
54161	8
Pound	8
(blank)	8
54162	33
Pulaski	33
(blank)	33
54165	19
Seymour	19
(blank)	19
54166	854
Shawano	854
WI	2
(blank)	852
54169	1
Sherwood	1
(blank)	1
54170	6
Shiocton	6
(blank)	6
54171	15
Sobieski	15
(blank)	15
54173	2
Suamico	2
(blank)	2
54174	4
Suring	4
(blank)	4
54177	5
Wausaukee	5
(blank)	5
54193	2
(blank)	2

(blank)	2
54201	3
Algoma	3
(blank)	3
54208	3
Denmark	3
(blank)	3
54216	3
Kewaunee	3
(blank)	3
54217	9
Luxemburg	9
(blank)	9
54220	18
Manitowoc	18
(blank)	18
54228	6
Mishicot	6
(blank)	6
54235	3
Sturgeon Bay	3
(blank)	3
54301	37
Green Bay	37
(blank)	37
54302	9
Green Bay	9
(blank)	9
54303	18
Green Bay	18
(blank)	18
54304	8
Green Bay	8
(blank)	8
54311	26
Green Bay	26
(blank)	26
54312	2
Green Bay	2
(blank)	2
54313	40
Green Bay	40
(blank)	40
54401	1
Wausau	1

(blank)	1
54403	3
Wausau	3
(blank)	3
54409	2
Antigo	2
(blank)	2
54414	1
Birnamwood	1
(blank)	1
54416	7
Bowler	7
(blank)	7
54423	2
Custer	2
(blank)	2
54424	2
Deerbrook	2
(blank)	2
54442	2
Irma	2
(blank)	2
54445	2
Lily	2
(blank)	2
54452	5
Merrill	5
(blank)	5
54455	5
Mosinee	5
(blank)	5
54467	2
Plover	2
(blank)	2
54474	1
Rothschild	1
(blank)	1
54476	1
Schofield	1
(blank)	1
54486	3
Tigerton	3
(blank)	3
54510	3
(blank)	3

(blank)	3
54520	2
Crandon	2
(blank)	2
54555	2
Phillips	2
(blank)	2
54611	1
Alma Center	1
(blank)	1
54901	7
Oshkosh	7
(blank)	7
54911	20
Appleton	20
(blank)	20
54913	18
Appleton	18
(blank)	18
54914	13
Appleton	13
(blank)	13
54915	11
Appleton	11
(blank)	11
54928	5
Caroline	5
(blank)	5
54929	57
Clintonville	57
(blank)	57
54940	2
Fremont	2
(blank)	2
54942	4
Greenville	4
(blank)	4
54944	8
Hortonville	8
(blank)	8
54945	10
Iola	10
(blank)	10
54949	9
Manawa	9

(blank)	9
54950	18
Marion	18
(blank)	18
54951	2
Appleton	2
(blank)	2
54952	9
Menasha	9
(blank)	9
54956	3
Neenah	3
(blank)	3
54961	9
New London	9
(blank)	9
54962	2
Ogdensburg	2
(blank)	2
54971	2
Ripon	2
(blank)	2

54982	2
Wautoma	2
(blank)	2
60096	1
Winthrop Harbor	1
IL	1
60140	2
Hampshire	2
IL	2
60465	3
Palos Hills	3
IL	3
60646	3
Chicago	3
IL	3
(blank)	100
(blank)	100
South Dakota	4
(blank)	96

Appendix

The appendix of this report contains original data entry file (MS-Excel format), which may be obtained by emailing the author.