

Namakagon Lake Association

2012 I-LIDS Video Review Summary Report

December 17, 2012

This is a summary report from Environmental Sentry Protection, LLC to Namakagon Lake Association for 2012. The information included is based off of operations of 4 I-LIDS automated inspection systems operating at County D, Funnys Bay, Garden Lake, and Lakewoods boat launches to perform video inspection and prevent Aquatic Invasive Species (AIS) introduction into the lake. Except for Lakewoods, all I-LIDS used a recorded message and a speaker to play a message reminding boaters to cleanoff aquatic plants before and after using the launch.

In 2012 there was a significant increase in videos captured due to County D being installed and Garden Lake made operational again. While ESP reviewed 100 videos per month per contract a strong volunteer network on the lake performed an **amazing** job in reviewing most of the videos captured.

Launch	Date In	Date Out	2012 Videos	2012 Viewed	2011 Videos	2011 Viewed	2010 Videos
County D	4/29	10/19	10088	9674	0		
Funnys Bay	4/29	10/11	7794	7727	5689	1663	5943
Lakewoods	4/30	10/19	14741	1813	14334	10076	16889
Garden Lake	6/5	10/19	1889	474	0		
Total			34512	19688	20023	11739	

Violations

There were two suspect violations seen at Funnys Bay and County Road D. Both were reviewed by NLA prior to taking action. The suspect AIS violation on Funnys Bay was not reported to authorities as there was not a consensus of clearly seen weeds in the video. However, the violation on County Road D was very obvious and this was forwarded to the Bayfield County Sheriff's office. Upon investigation the deputy did issue a citation to the boater.

Funnys Bay

Date	Time	Boat Desc.	Registration/Lic.	What was seen	2nd review
5/6	9:30	Green lund	unclear	Weed middle of trailer	Weed - reported

County D

Date	Time	Boat Desc.	Registration/Lic.	What was seen	2nd review
7/12	13:23, 13:30	Aqua and white Crestliner	WS5088HG	Multiple weeds being launched into the lake	Reported to Sheriff. Citation issued.

Onsite Inspectors from Northland College

As part of the 3rd year of a grant from the DNR, Northland College students again were onsite to perform inspections and educate the public. In 2012 they put in 283 hours. The grant provided funding for 300 hours worth of paid inspection. Due to the delay in getting County D launch installed, the grant was extended by the DNR to end in 2014. Northland College has stated they would be available to continue providing staff in 2013.

Volunteer Time

NLA members have donated time in various categories to exceed the match required by the grant.

Video Review Process and Reporting

Video review is performed regularly by our company where we document number of videos reviewed, notable videos, and violations. There is an incentive for every violation identified. This report and associated videos are reviewed weekly by Eric to confirm suspect violations. If there is a probable violation, we contact the sheriff and the lake association as soon as possible to provide notification and related information.

Access to Videos

The videos are available through a link at the lower left of www.lakesentry.net

User: nla

PW: password

Instructions are available by request. eric@lakesentry.net

Adjustments

It seems that the camera at Garden Lake has suffered in quality over the past 6 years and could use a replacement camera.

Conclusions

Overall the boat conditions seen were remarkably clean of weeds or fouling compared to other sites that we review. Numerous cleanoffs at the launches were also seen with many boaters reacting to the recorded messages at the sites. The increased awareness of boaters to arrive clean is due to many factors including this prevention programs. Of course having a boater receive a ticket this year and publishing this in the local paper certainly creates word of mouth in the community.

The prevention of the introduction of Aquatic Invasive Species into Lake Namakagon is of primary importance. While interns from Northland College were onsite to perform inspections, they cannot be there all the time. This is why the I-LIDS presence around the clock and audio messaging is important. The limited number of weeds being seen launched into the lake, interaction with camera, and people seen inspecting their boats at these sites shows that people are more diligent in taking proper steps to clean their boats before and after launching.

Camera catches, checks spread of aquatic invasive species

FOR THE DAILY PRESS | Posted: Friday, July 27, 2012 12:00 am

As an eye on the ground, one device is making it easier to track down boaters refusing to remove vegetation from their boats before launching or taking out of area lakes.

Thanks in large part to aggressive measures taken by the Namakagon Lake Association (NLA) to curb the spread of aquatic invasive species, as well as a partnership with the Wisconsin Department of Natural Resources and the help of an installed Internet Landing Installed Device Sensor (I-LIDS) monitoring camera system, one boater learned the hard way that these efforts are no joke.

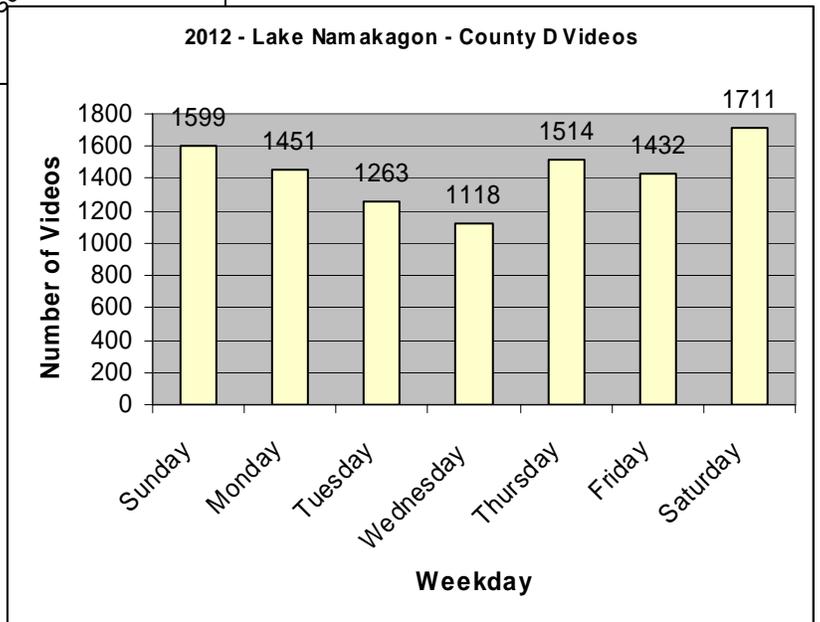
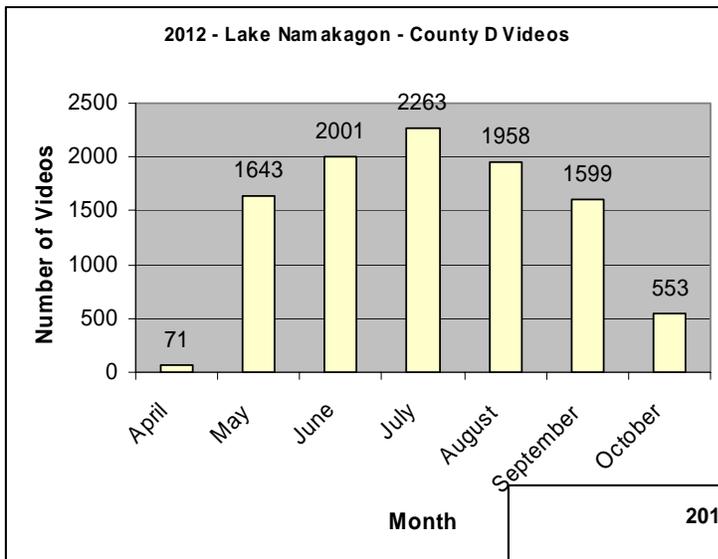
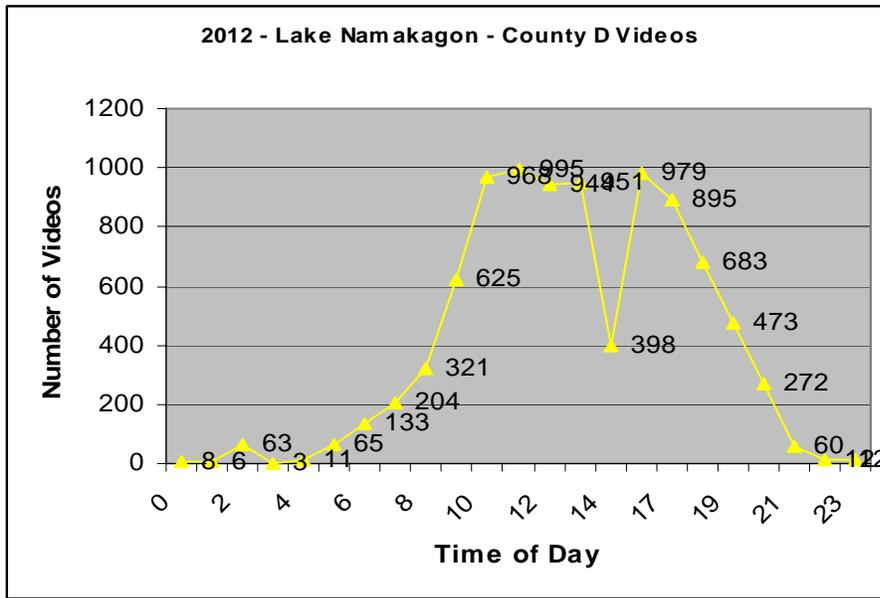
Since 2007, NLA has installed and operated I-LIDS monitoring cameras at the public landings on Namakagon Lake to inspect for Aquatic Invasive Species. On July 12, 2012, with the help of the I-LIDS system, a Wisconsin boater was seen launching a boat at the County D boat launch, showing aquatic plants hanging from the boat trailer. As part of the review process Environmental Sentry Protection, the company that installs the I-LIDS systems each spring and scans a portion of the videos they produce, was notified by the lake association of the suspect violation, confirmed it and forwarded evidence to the Bayfield County Sheriff soon after it took place.

Upon request, the sheriff's office reviewed the video, obtained contact information from the video, including the registration number of the boat, and informed the boat's owner of the evidence. Agreeing there was a violation of Wisconsin State AIS Illegal to Transport laws, the boater was issued a \$225 citation. The officer noted that the quality of the videos was "really very good".

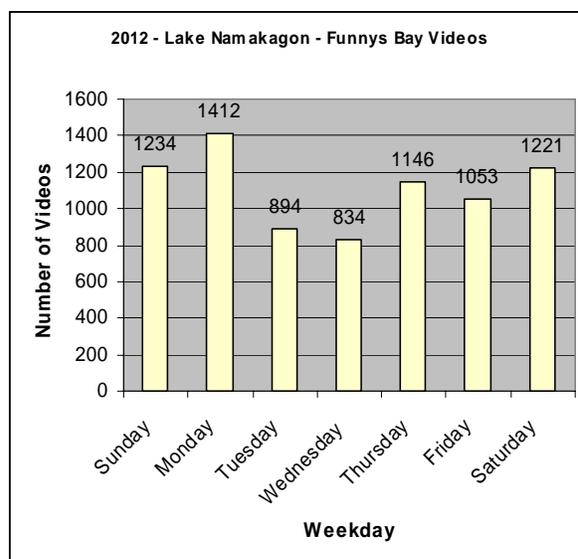
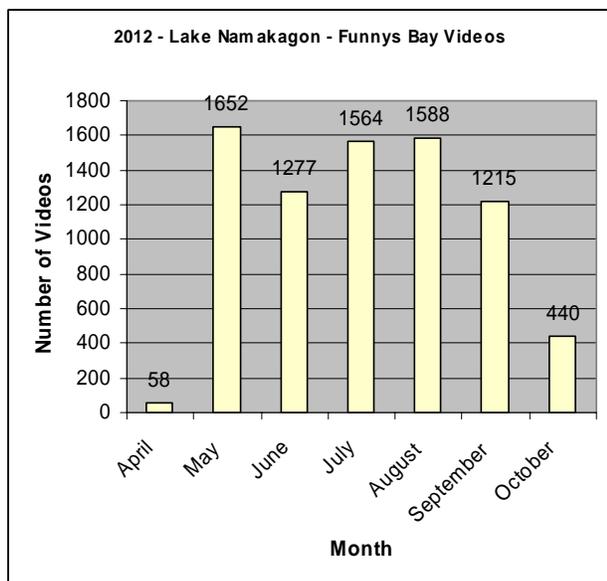
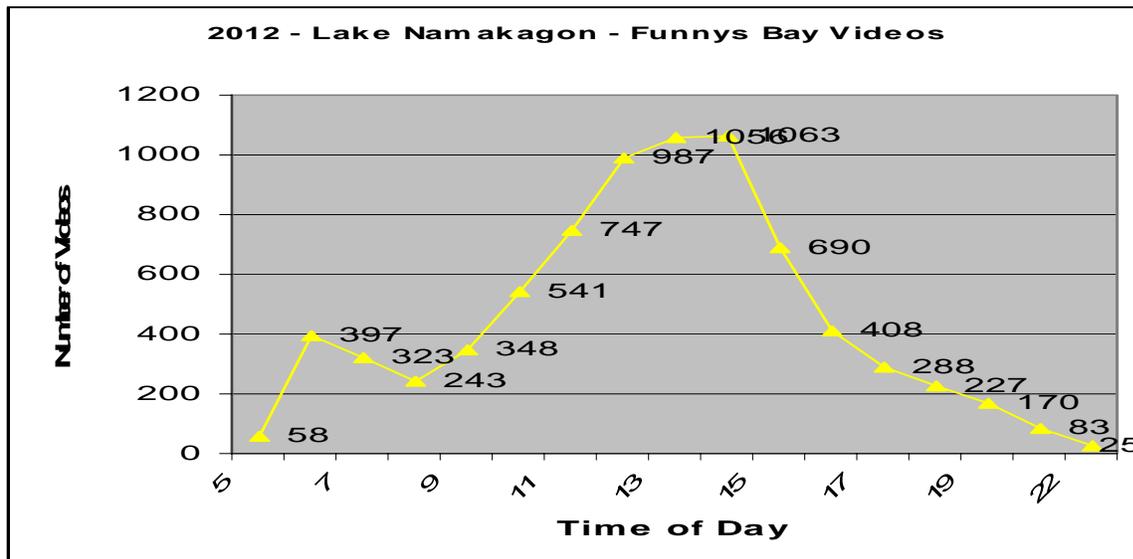
Eric Lindberg of Environmental Sentry Protection said he feels the fight against the spread of AIS is one that can be won. "This is a result of people unifying around a worthy cause to protect lake resources and mitigate risks to the environment. With Zebra mussels being transported on plants, it's critical to clean off all plants before launching your boat."

The I-LIDS system utilizes advanced sensors that tell it when a boater has entered the launch area and turns on video monitoring of the bottom of the boat to identify whether there are aquatics present on the trailer or boat. It also captures clean off activity by the user. Authorized users are allowed to login to the Website to gather statistical information on the landing activities or to playback video of the launch to ensure that no invasives were present on the vehicles using the launch zone.

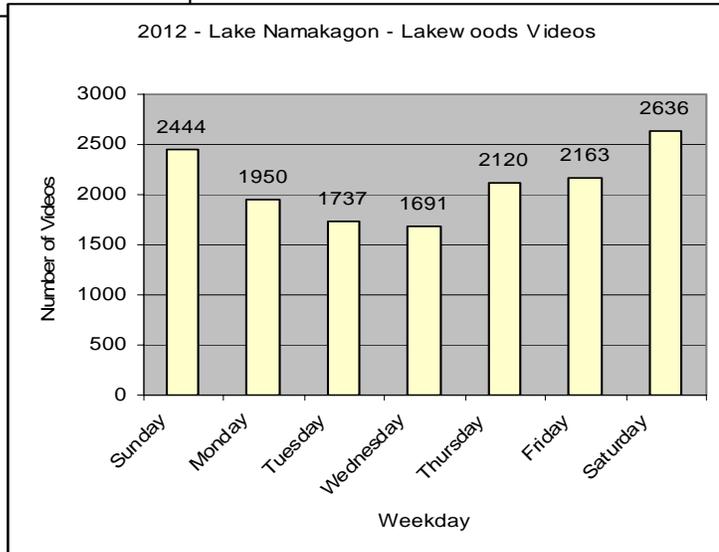
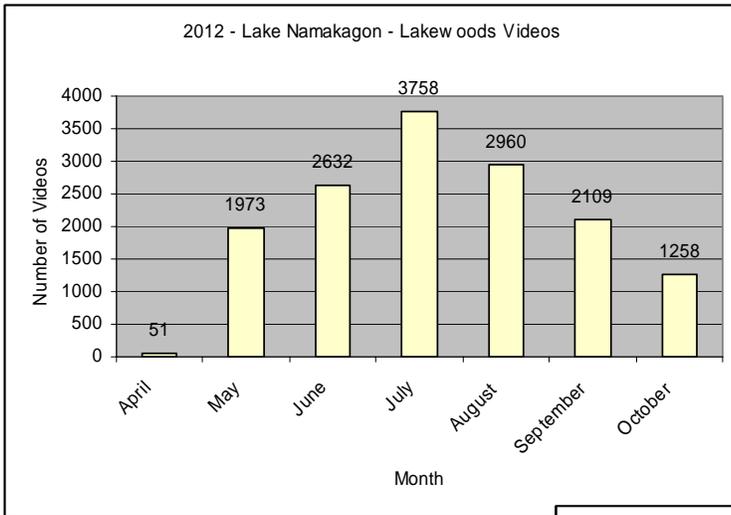
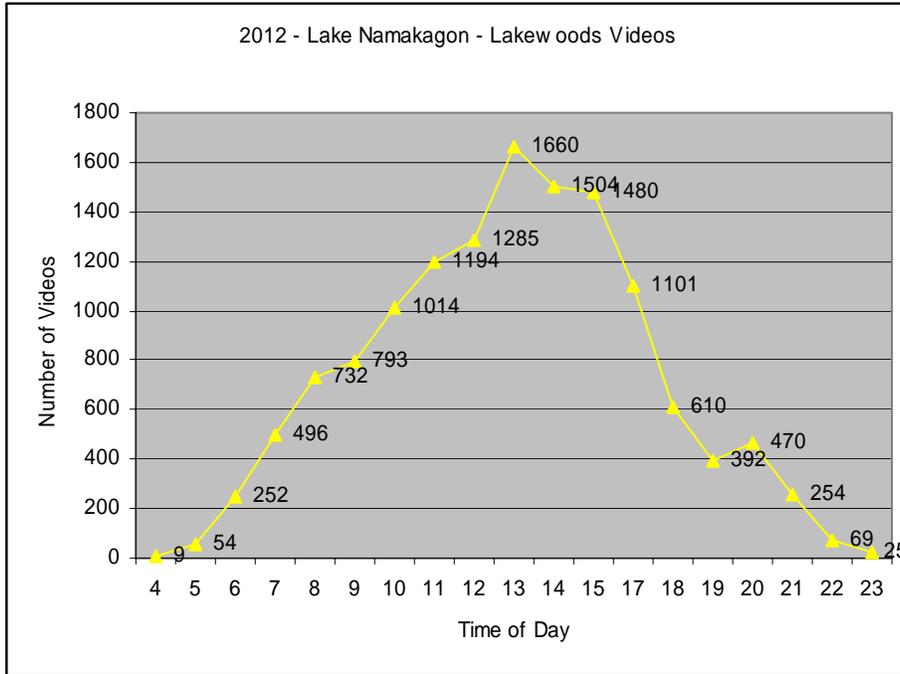
County D



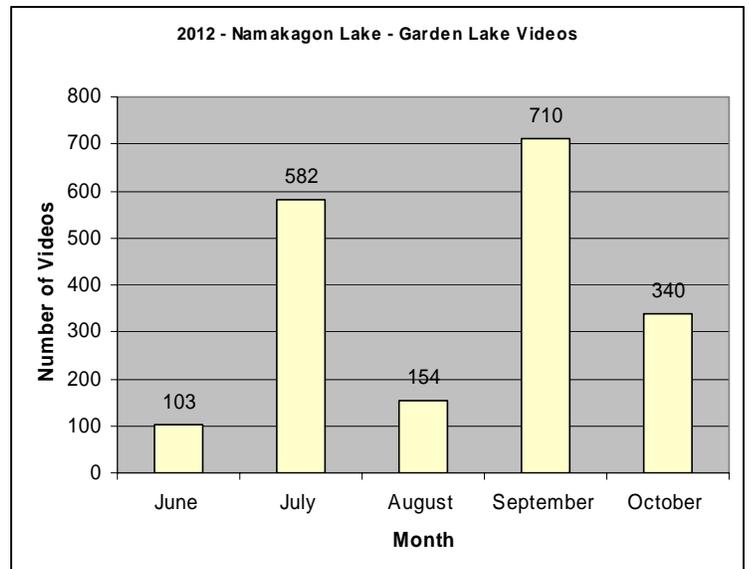
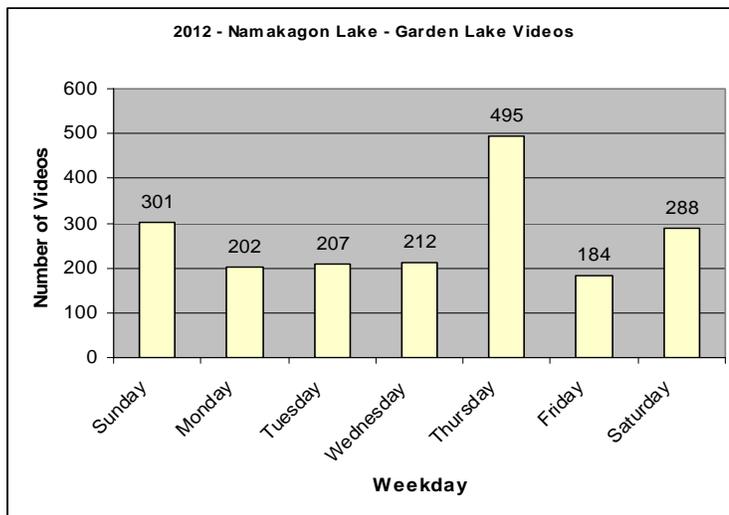
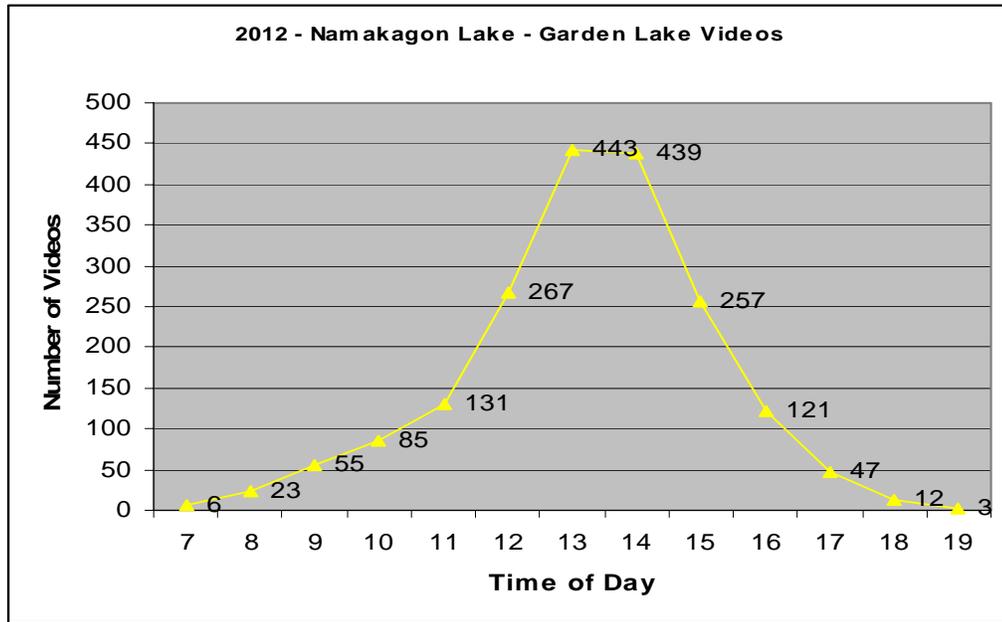
Funnys Bay



Lakewoods



Garden Lake



Namekagon Lake -- County Highway D Access

Location:

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[Boater Travel](#)
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Boats Inspected

Year	Boats Inspected
2004	8
2005	20
2007	18
2009	48
2010	308
2011	440
2012	250

People Contacted

Year	People Contacted
2004	18
2005	42
2007	44
2009	86
2010	682
2011	920
2012	452

Hours Spent

Year	Hours Spent
2004	13
2005	41
2007	21
2009	38
2010	288
2011	312
2012	258

Last Revised: Friday, June 29, 2012

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dhrr.wi.gov/lakes/invasives

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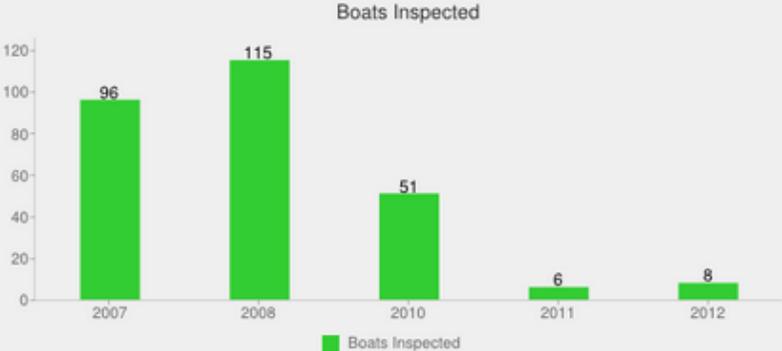
Business Licenses & Regulations Recreation Education

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Location:

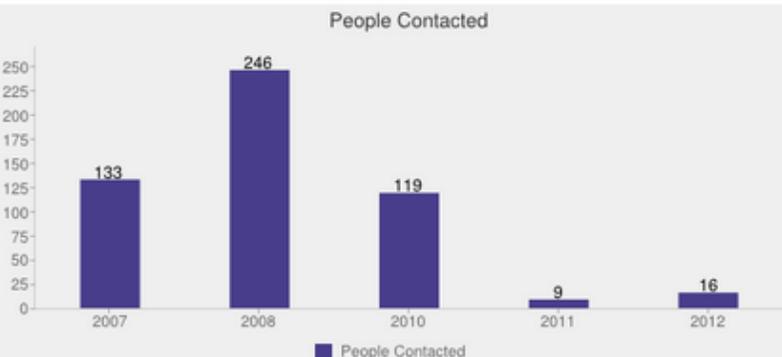
Watercraft Inspection Efforts **Boater Statistics** **Boater Travel** **Projects** **Down**

Boats Inspected



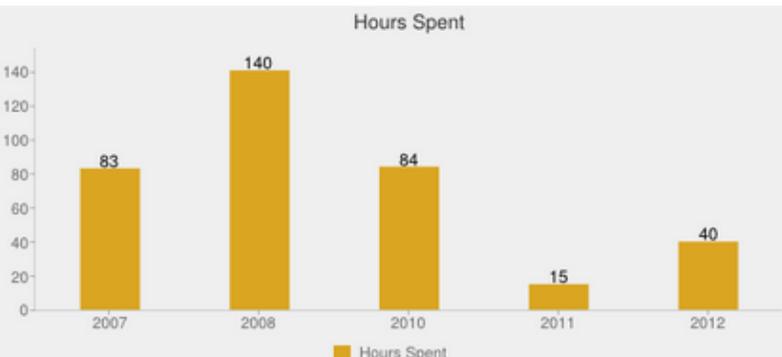
Year	Boats Inspected
2007	96
2008	115
2010	51
2011	6
2012	8

People Contacted



Year	People Contacted
2007	133
2008	246
2010	119
2011	9
2012	16

Hours Spent



Year	Hours Spent
2007	83
2008	140
2010	84
2011	15
2012	40

Last Revised: Friday, June 29, 2012

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dhrr.wi.gov/lakes/invasives/Watercrafts

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Location:

Watercraft Inspection Efforts **Boater Statistics** **Boater Travel** **Projects** **Download**

Boats Inspected

Year	Boats Inspected
2008	11
2010	4
2011	5

Boats Inspected

People Contacted

Year	People Contacted
2008	34
2010	6
2011	10

People Contacted

Hours Spent

Year	Hours Spent
2008	6
2011	8

Hours Spent

Last Revised: Friday, June 29, 2012

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