

Shell Lake's YR 2011

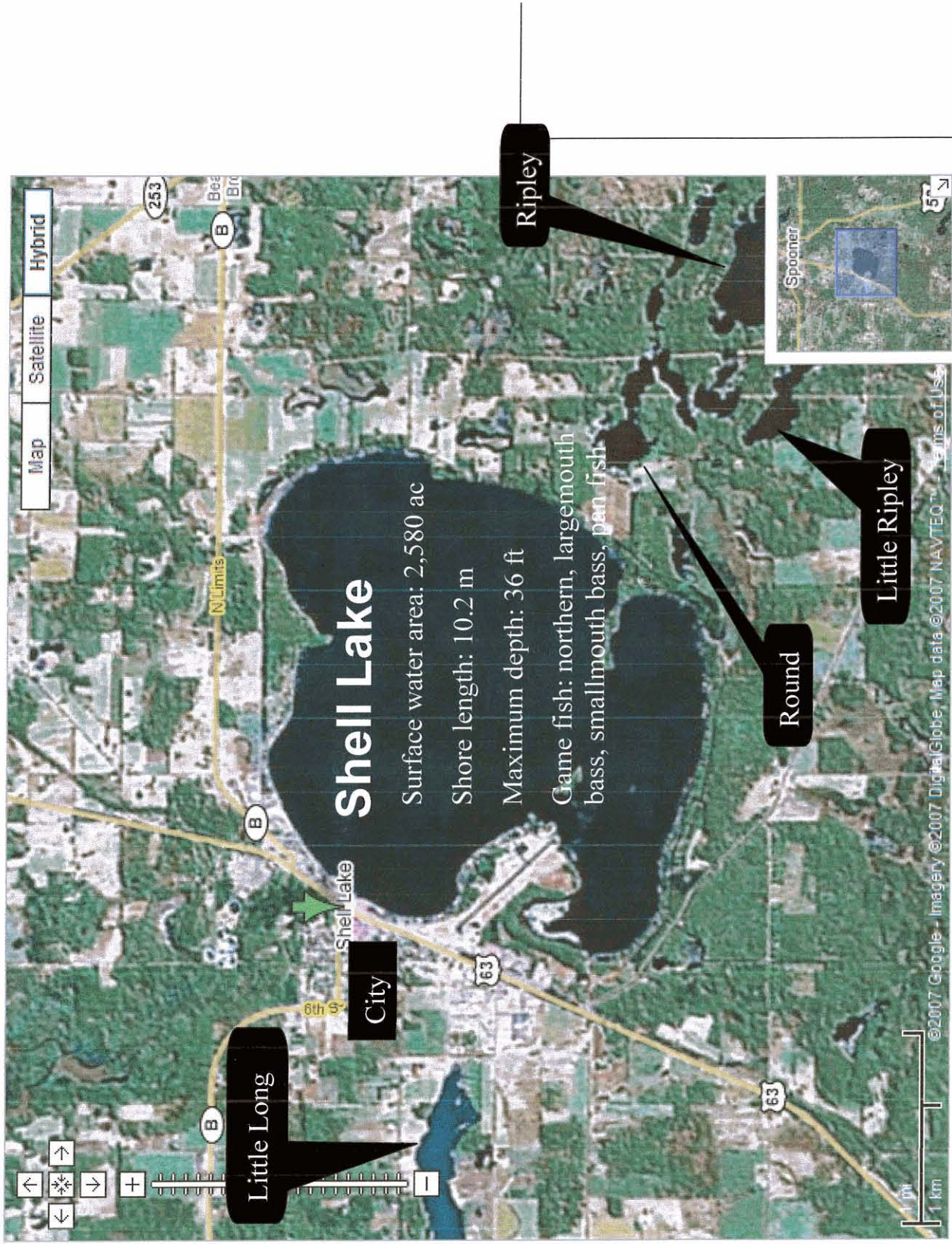
Annual Report

Aquatic Invasive Species

Inspection Program

Inspection Program

- The Shell Lake City Council requires trailered watercraft be launched and retrieved at the Class A access (dock, ramp and other infrastructure) in Memorial Park.
- Inspectors, trained under the *WI Clean Boats - Clean Waters* program, inspect and monitor watercraft, lake access facilities for harmful Aquatic Invasive Species, are on duty 14 hours a day, 7 days a week, through out the summer.
- In YRs 2007, 2008, 2009, 2010, and 2011 the inspectors collected data using a hand-held computer for data collection and analysis.



Submitted to Shell Lake
 Council Jan 2012

Committees Reporting to SL City Council / Lake District Board

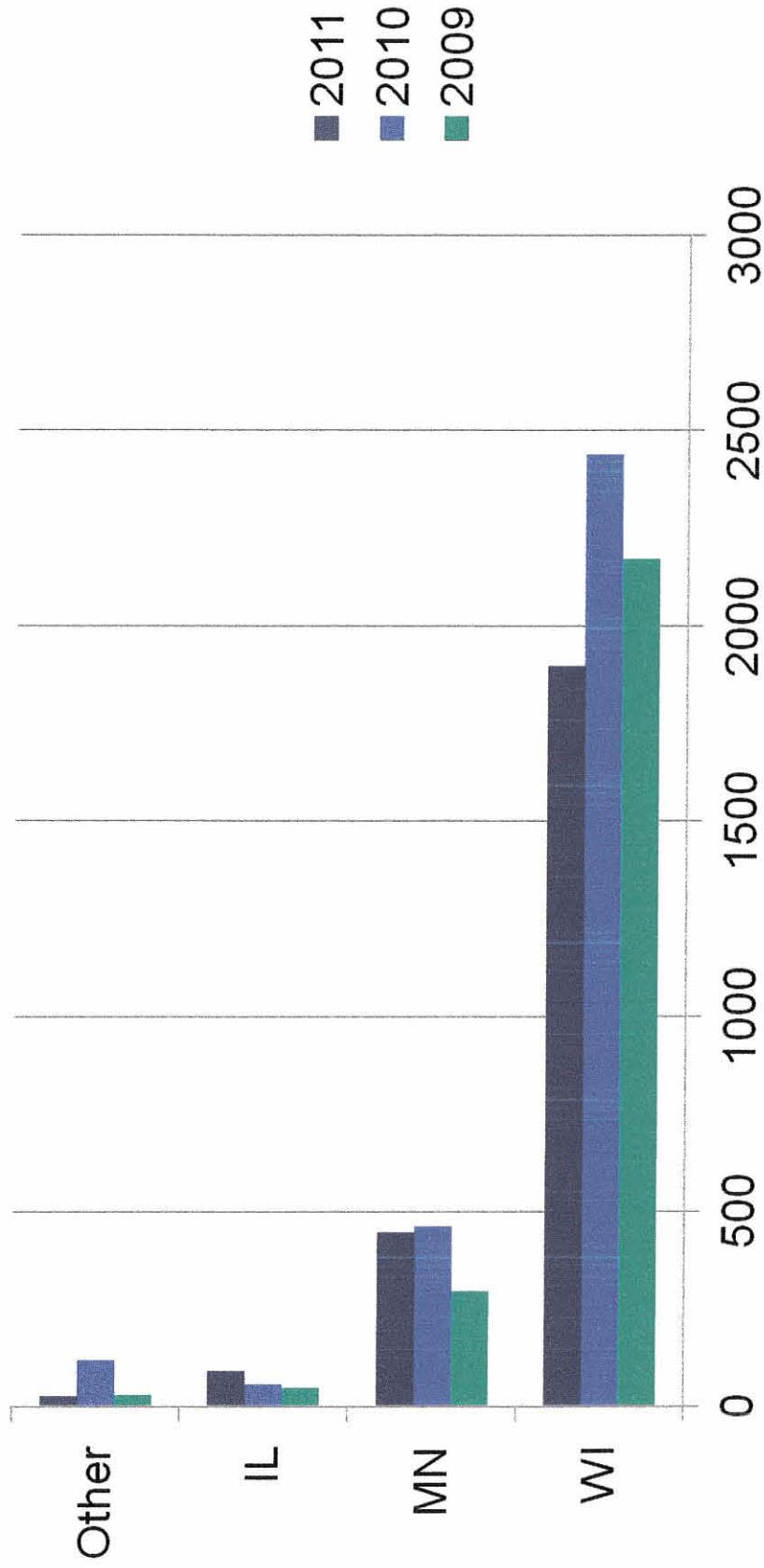
- *Technical Oversight Committee*: DNR, St. Croix Band, Shell Lake Council, Contested case participants, USGS, Voigt Intertribal Task Force, Great Lakes Indian Fish and Wildlife Commission, Yellow River Property Owners, Yellow Lakes and River Association, and Technical Experts
- *Protection Advisory Committee*: Can include *anyone* with property or other interest in the District Up to 6 members – 3 year terms, meets ~ 4 times/year; Linda Ferris, Chair; Andy Oman, V. Chair; Harold Immanuel; Jane Lokken, Secretary; Randy Baker; Linda Ferris; Jane Pederson, Joan Quenan
- *Staff Inspectors*: Coordinator: Joe Mikula; Inspectors: Mackenzie Curtis, Jared McQuade
Alternates: Ryan Mikula, Desiree Hartwig

Shell Lake Inspection Data

(submitted to WiDNR)

	<u>YR 04</u>		<u>YR05</u>		<u>YR 06</u>		<u>YR07</u>		<u>YR08</u>		<u>YR09</u>		<u>YR10</u>		<u>YR11</u>	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Clean Inspections	1437	88	2821	95	3305	99.2	3129	98	3180	99	2452	96.0	2977	96.7	2378	96.6
Boats requiring cleaning	190	12	136	4.5	41	1.0	12	2	34	1	101	3.96	101	3.28	83	3.4
Eurasian water Milfoil confirmed	9	0.6	6	0.6	0	0	0	0	0	0	0	0	0	0	0	0
Total Inspections	1627		2957		3346		3141		3214		2553		3078		2478	

Boat License of Incoming Boats 2009, 2010, and 2011



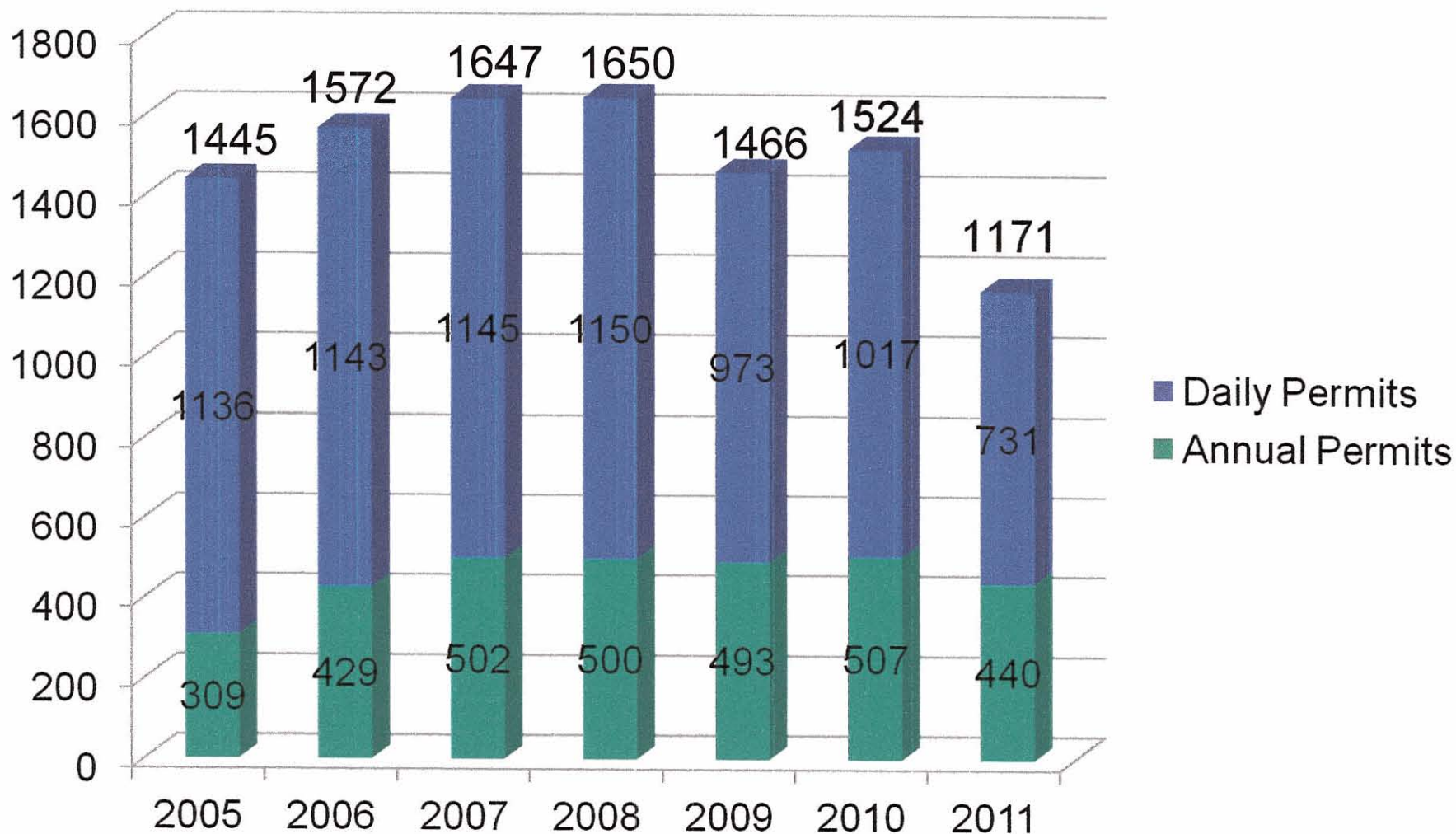
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Inspections and Permits

		<u>YR 06</u>	<u>YR 07</u>	<u>YR 08</u>	<u>YR 09</u>	<u>YR 10</u>	<u>YR 11</u>
Launch Inspections logged:							
	▪ Daily permits	989	1,731	969	990	1,063	765
	▪ Annual permits	2,357	1,398	2,245	1,563	2,015	1,713
	▪ Total Inspections	3,346	3,129	3,214	2,553	3,078	2478
Permits Issued:							
	▪ Daily	1,143	1,145	1,040	973	1,017	731
	▪ Annual	429	502	507	493	507	440
		<u>YR 06</u>	<u>YR 07</u>	<u>YR 08</u>	<u>YR 09</u>	<u>YR 10</u>	<u>YR 11</u>

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Number of Permits Sold



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Lake Protection Fee Structure

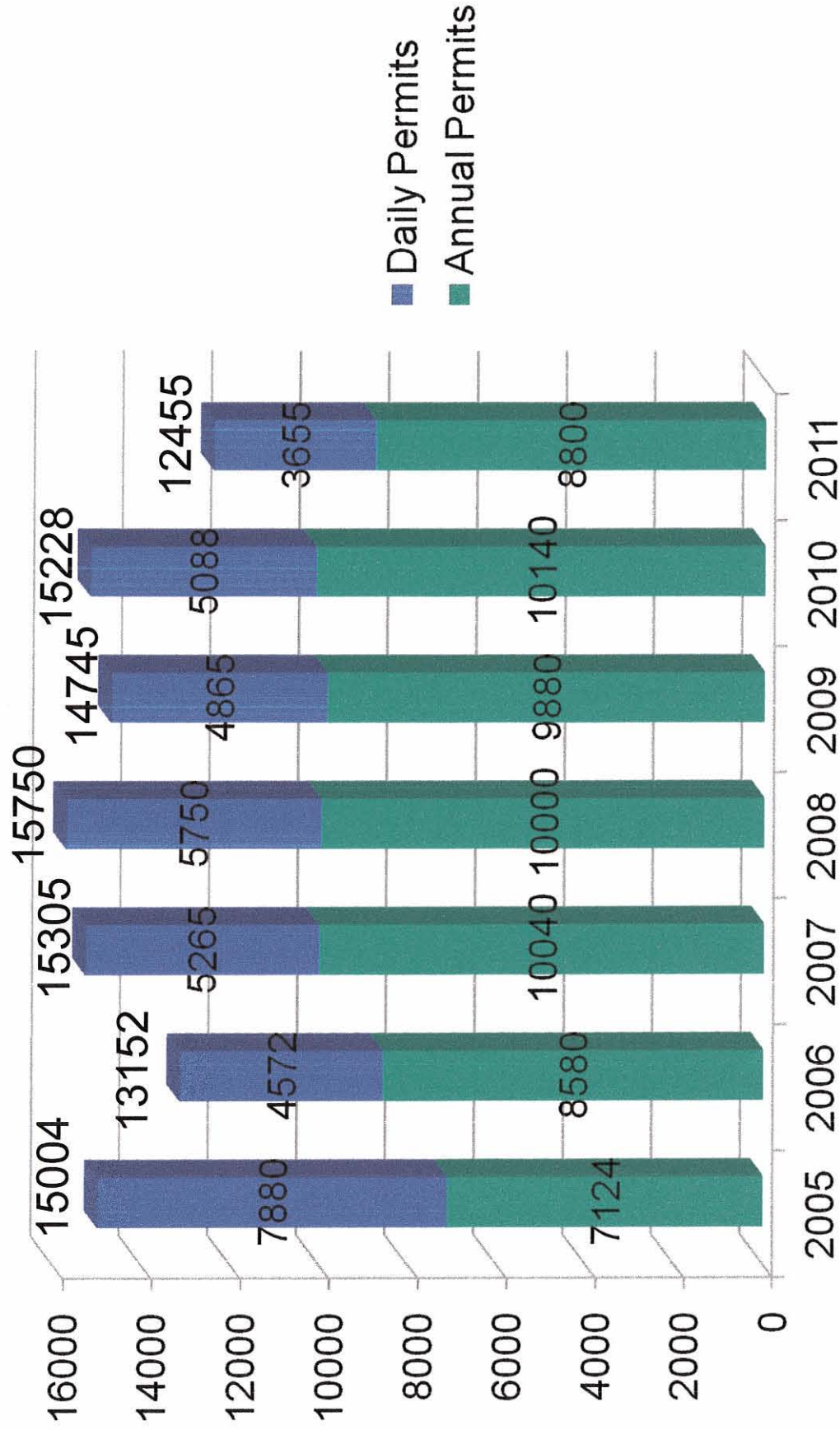
	<u>YR 2005</u>	<u>YR 2006</u>	<u>YR 2007</u>	<u>YR 2008</u> <u>(note 1)</u>	<u>YR 2009</u>	<u>YR 2010</u>	<u>YR 2011</u>
All launches (note 2)							
– Daily	\$7	\$4	\$5	\$5	\$5	\$5	\$5
– Annual	\$30	\$20	\$20	\$20	\$20	\$20	\$20
SL property owners:							
– Daily	\$5						
	<u>YR 2005</u>	<u>YR 2006</u>	<u>YR 2007</u>	<u>YR 2008</u> <u>(note 1)</u>	<u>YR 2009</u>	<u>YR 2010</u>	<u>YR 2011</u>

Note 1: A citizens recommendation: Maintain current fee structure (YR 2007) in YR 2010. Establish a rapid reaction containment process and Note 2: In YR 2005, property owners had separate fee structure, shown under SL property owners.

Suspect Watercraft Analysis 2011 Data

- Note: These questions were presented to each person launching a watercraft to help the inspectors identify suspect watercraft. (Total inspections equals 2478)
- Q: Was the watercraft used in the past 5 days?
 - No
 - **Yes** **1076**
 - Unknown
 - Total
- Q: Did the watercraft come from a different body of water in the past 5 days?
 - No
 - **Yes** **386**
 - Unknown
 - Total
- Q: Did the watercraft require cleaning?
 - No
 - **Yes** **83**
 - Unknown
 - Total

Permit Revenue

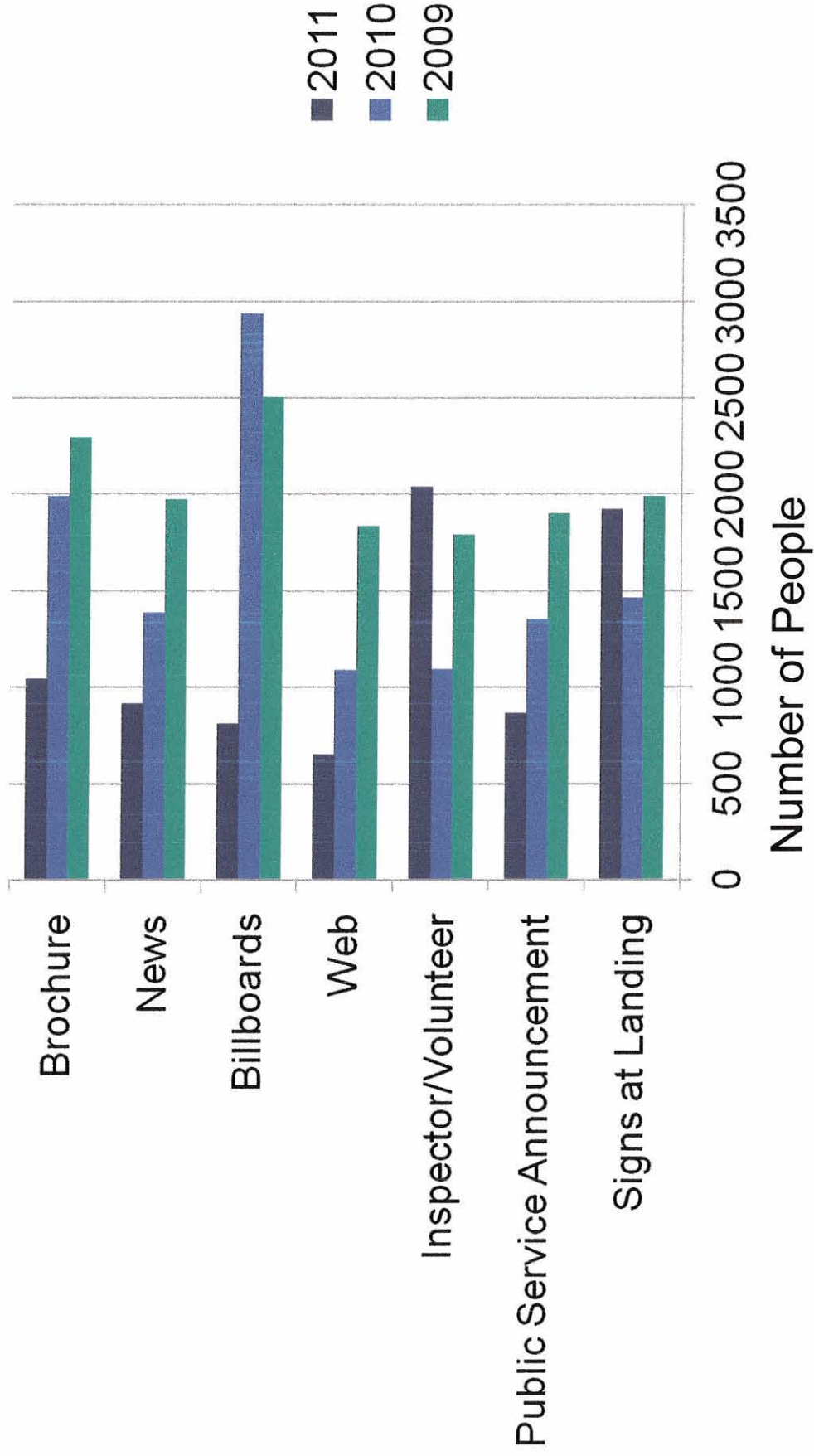


Answers to Questions at the Landing 2011

Question	Yes	No
Are you aware of the law against launching your boat with vegetation on it?	2425 (98.6%)	32 (1.4%)
Did you keep any fish the last time you were fishing?	572 (76.8%)	173 (23.2%)
Did you check for vegetation and remove any that was there after using your watercraft last?	2174 (88.4%)	283 (11.5%)
Did you drain the water out of your watercraft?	2349 (95.4%)	112 (4.6%)
The last time you used live bait did you dispose of it properly?	601 (89.6%)	70 (10.4%)
Did you wash your boat or has it been dry for 5 days?	1377 (56.1%)	1076 (43.9%)

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Source of Invasive Species Information Among Boaters



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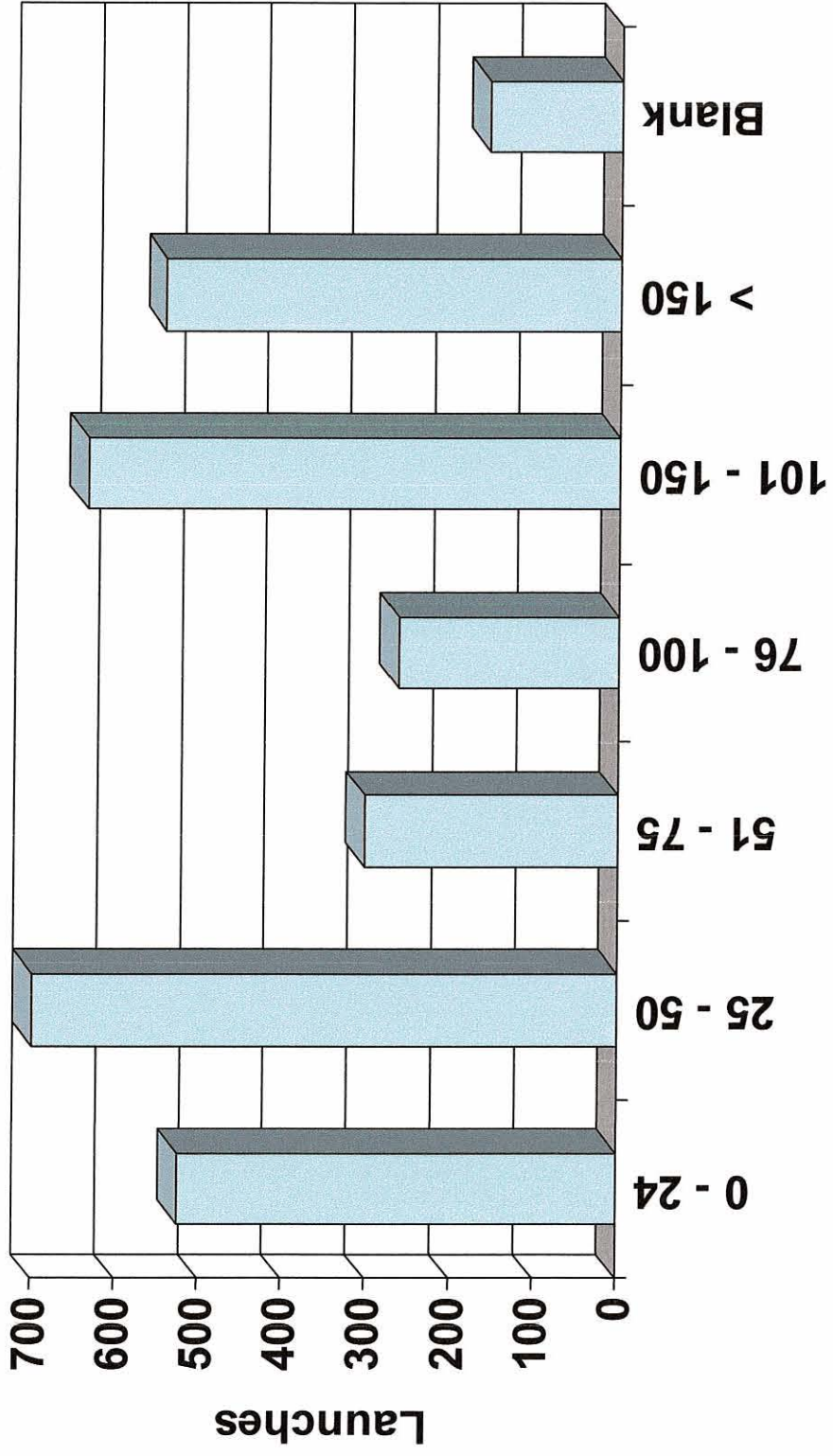
Type of Watercraft Launched

	<u>YR 2005</u>	<u>YR 2006</u>	<u>YR 2007</u>
Fishing	2,305	2,014	1,812
Pontoon	197	286	314
PWC	99	174	175
Sail	23	39	41
Ski/Pleasure	274	756	686
Kayak/Canoe	1	0	2
Unknown	64	77	99
	<u>YR 2005</u>	<u>YR 2006</u>	<u>YR 2007</u>

Pontoon and PWC are growing in popularity

Horse Power Range

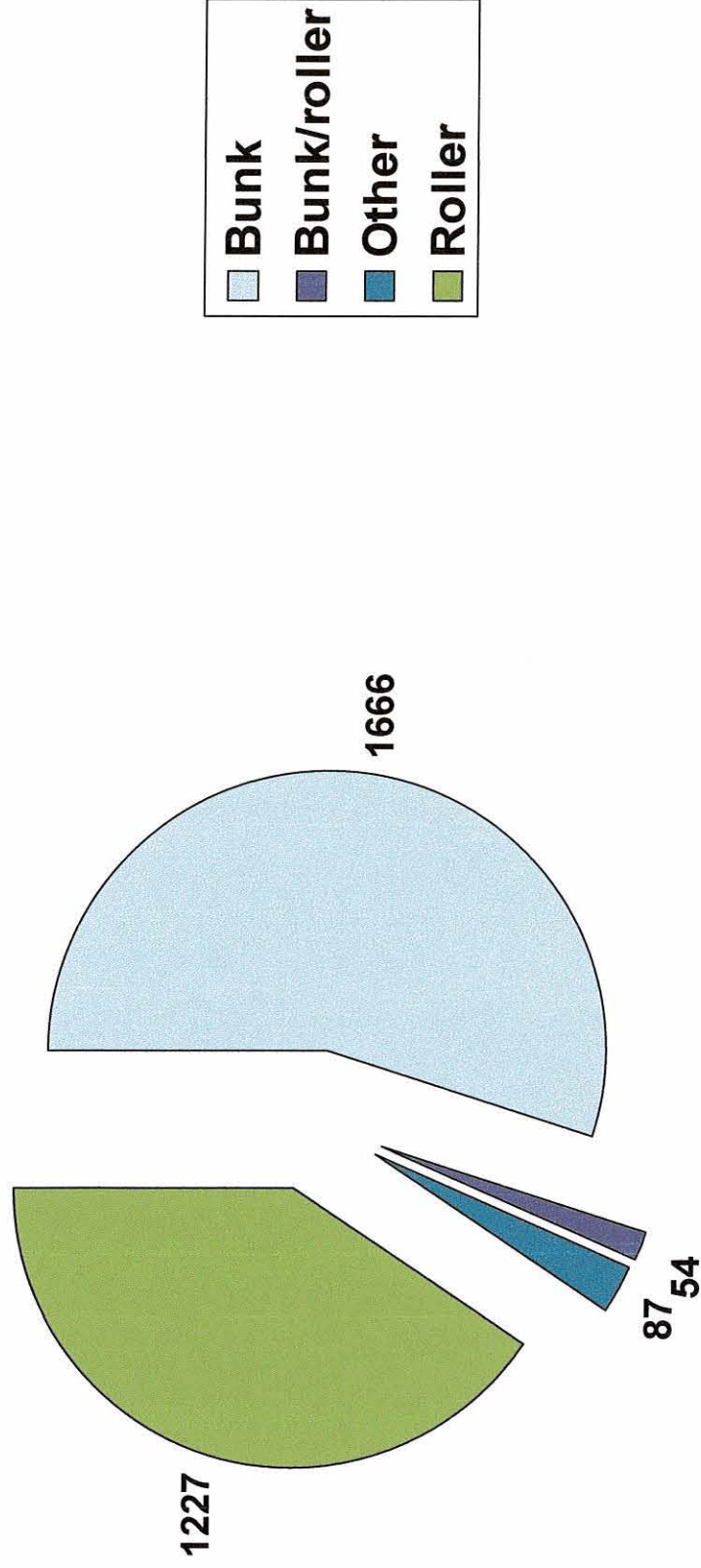
YR 2007



Horse Power Range

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Type of Trailer (2007)



Budget and Actual For AIS Inspection Program

	YR 2005 <u>Actual</u>	YR 2006 <u>Actual</u>	YR 2007 <u>Actual</u>	YR 2008 <u>Actual</u>	YR 2009 <u>Actual</u>	YR 2010 <u>Actual</u>	YR 2011 <u>Actual</u>
Expense	25,000	27,400	31,500	18,330	20,600	20,900	22,800
- DNR Grant	11,750	12,950	15,000	12,500	15,400	15,600	17,100
- City	13,250	14,450	16,500	5,830	5,200	5,300	5,700

Notes:

1. City contribution is paid for mostly by launch fees and volunteer labor.
2. Budget includes launch inspections, aquatic plant survey, purple loosestrife inventory and control, and lake testing for zebra mussel veligers & spiny water fleas.
3. All dollars are used to implement a Rapid Response Plan as part of our lake protection campaign and maintain the launch site.

Observations

- The AIS program has been operational for 10 years and seems to gain greater public acceptance each year. Remarkably, there has been no Eurasian Water Milfoil detected on watercraft in the past 6 years.
- The public is becoming more aware of AIS and the potential damage it can cause in the lake.
- Using a hand held computer (PALM), for data collection, analysis and transfer is easily done once a form has been developed.
- The project provided an element of public education by distributing an information brochure and map of the lake.

Milestones

- **YR 2002**
 - Organized volunteers and began education program supporting Clean Boats/Clean Lakes program
- **YR 2003**
 - Created a part time position of inspector / supervisor at the launch area
 - Built the educational kiosk next to the launch ramp.
 - 1300 watercraft inspected
- **YR 2004**
 - AIS Control Grant #1 received from WiDNR (Feb – Dec)
 - Hired a part time supervisor / inspector (May - Sep)
 - Used volunteers for watercraft inspection (May – Sep)
 - 1636 watercraft inspected