

**So How Did It Go..?**

**Mandatory Boat Inspections on  
Lake George**



# Aquatic Invaders and Lake George

- Currently five known invasive species in Lake George
  - Eurasian Milfoil
  - Zebra Mussels
  - Asian Clams
  - Curly-leaf Pondweed
  - Spiny Waterflea

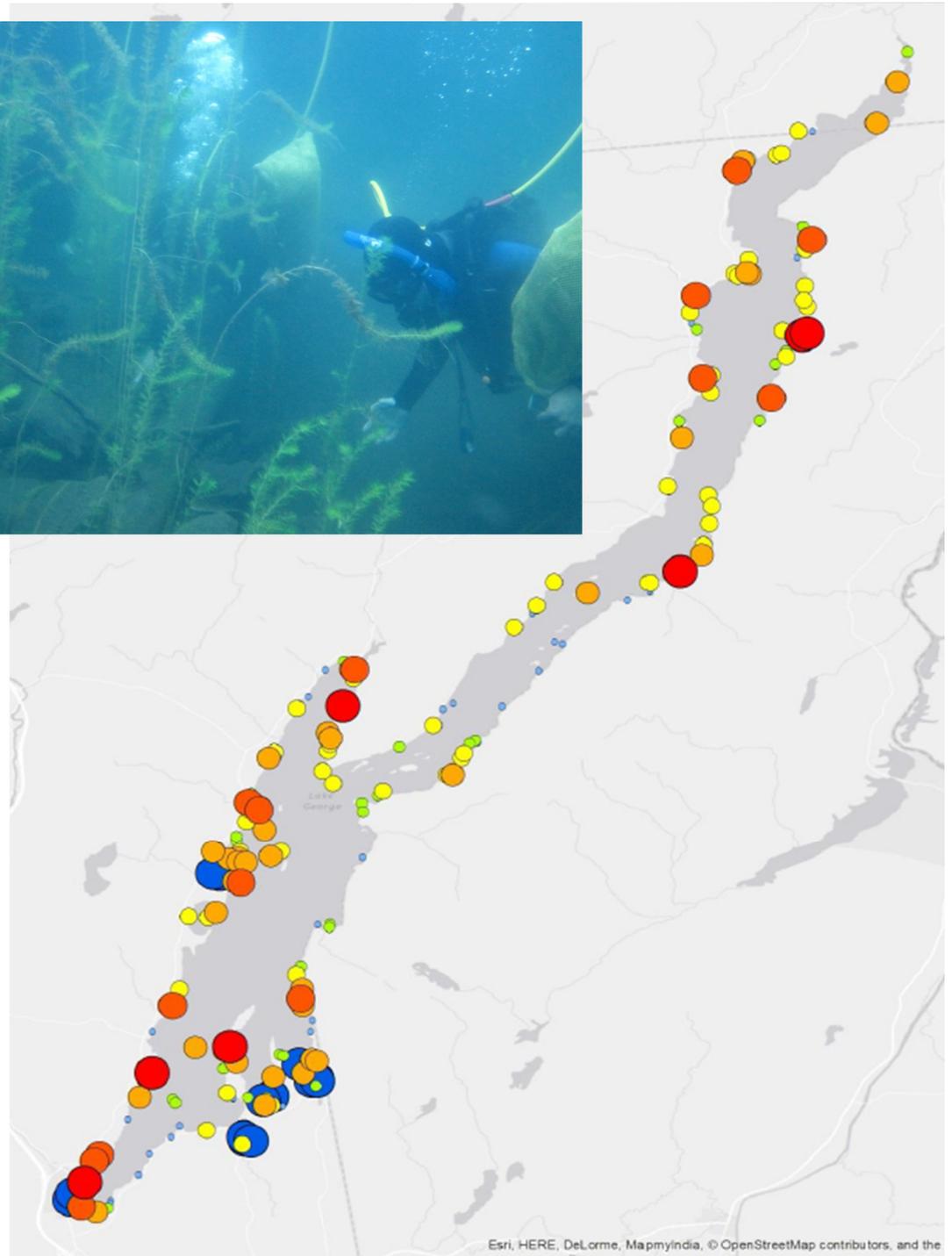
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\$7.3 million dollars spent on management to date



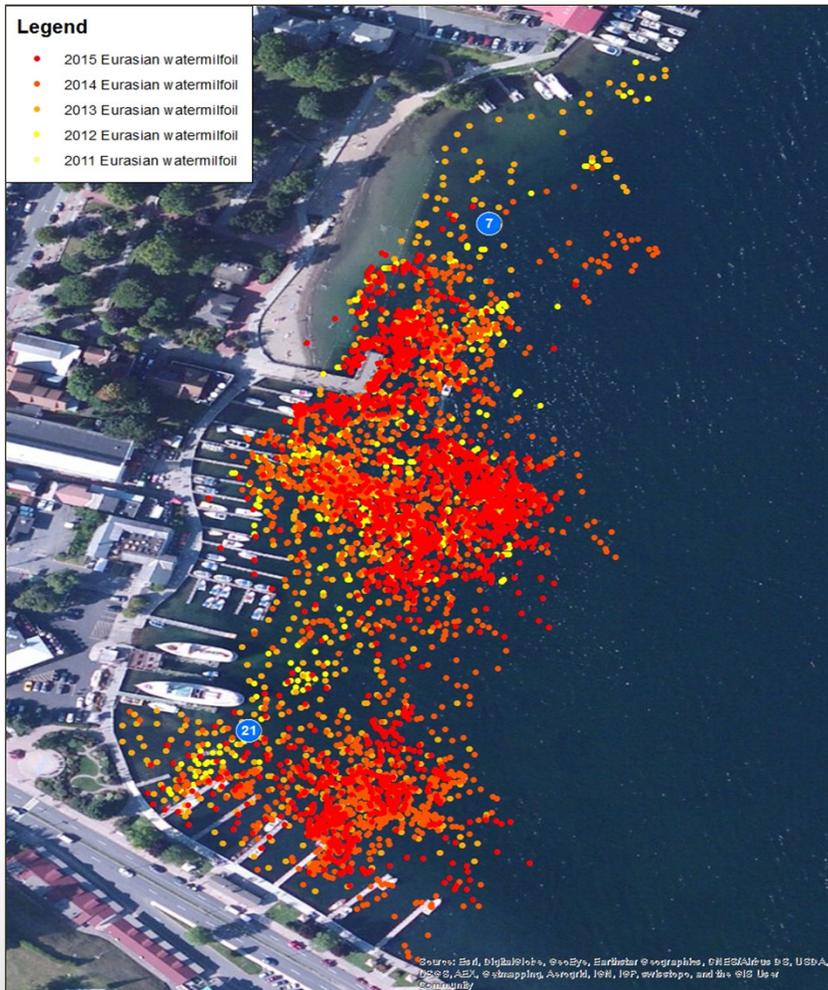
# Eurasian watermilfoil control

- \$400,000 spent in 2015
- 4,000 bags removed
- 100,000 pounds total (equals 3 school buses weight)
- EPF, LGPC, LGA, Fund, DOS
- Next Year??

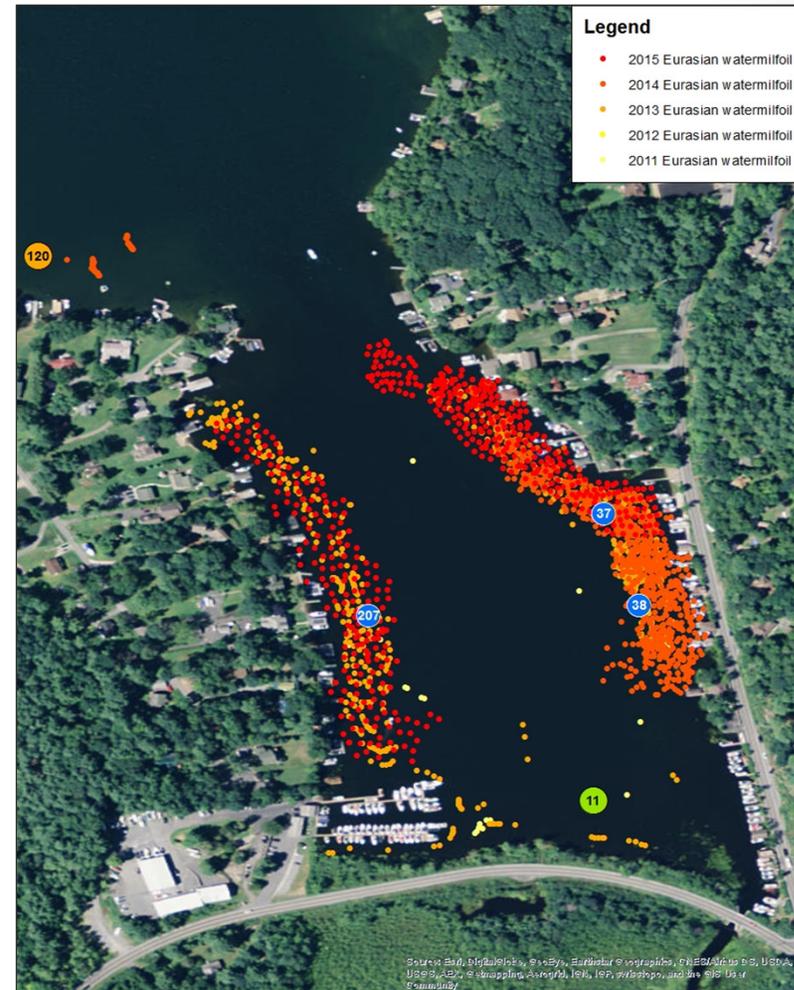


# A Massive Effort, But Winning...

## Village of LG



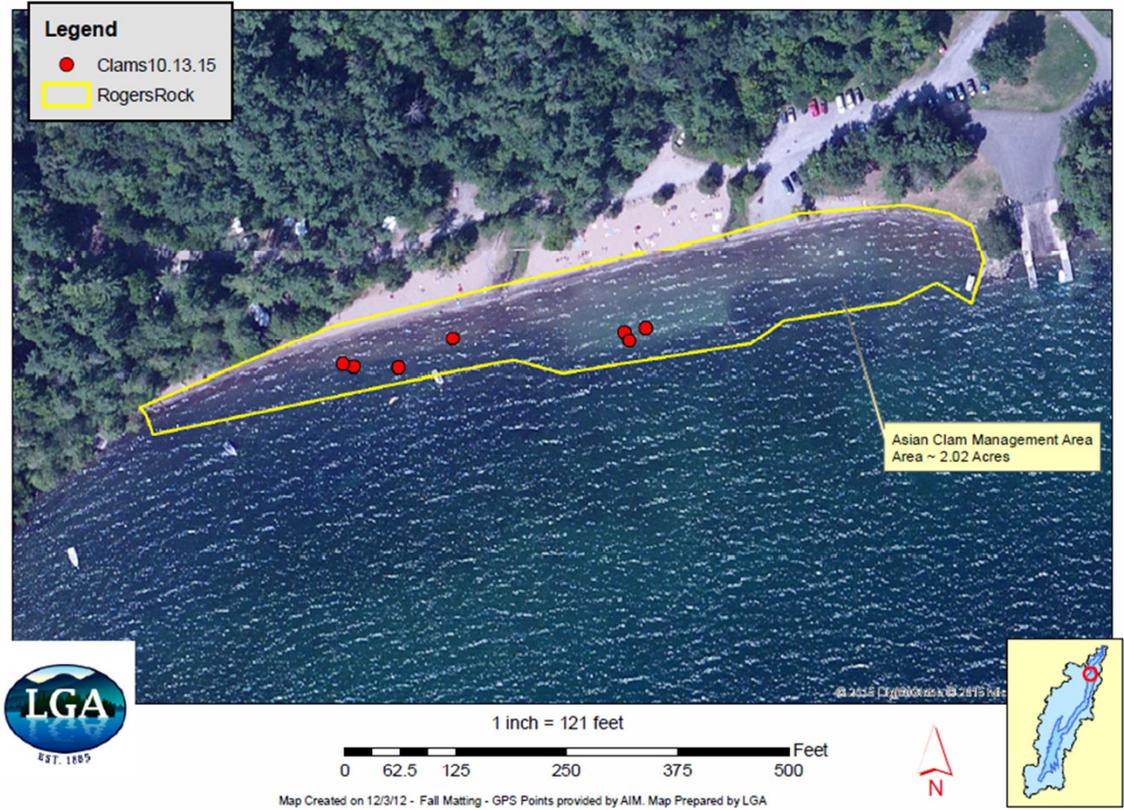
## Warner Bay, Queensbury



# Asian Clam



## Asian Clam Rogers Rock - Potential Matting Area Fall 2015



# What's out there?



5349039

STATE  
OF THE  
LAKE

## INVASIVE SPECIES

Invasive impacts on water  
quality could cause a  
property value drop up to  
**20%**

NUMBER OF INVASIVE AND  
NON-NATIVE SPECIES IN  
NEIGHBORING BODIES OF WATER

184

ST. LAWRENCE RIVER

87

LAKE  
CHAMPLAIN

49

GREAT LAKES

5

LAKE  
GEORGE

HUDSON RIVER

91

Estimated annual costs of  
damages from invasive species  
in the United States exceed

**\$120 billion**

INVASIVES HEADED THIS WAY

quagga mussels

*Dreissena striiformis bugensis*

from the Great Lakes—called zebra mussels  
on steroids—where they are causing billions of  
dollars in damage every year

hydrilla

*Hydrilla verticillata*

in Cayuga Lake Inlet, Central NY, rhymes with godzilla,  
and has monstrous effects on invaded waters



Trallered boats are a primary vector for  
the introduction and spread of aquatic  
invasive species

# AIS Prevention for Lake George



LAKE GEORGE PARK COMMISSION

Lake George Aquatic Invasive Species  
Prevention Plan  
and  
Draft Generic Environmental Impact Statement



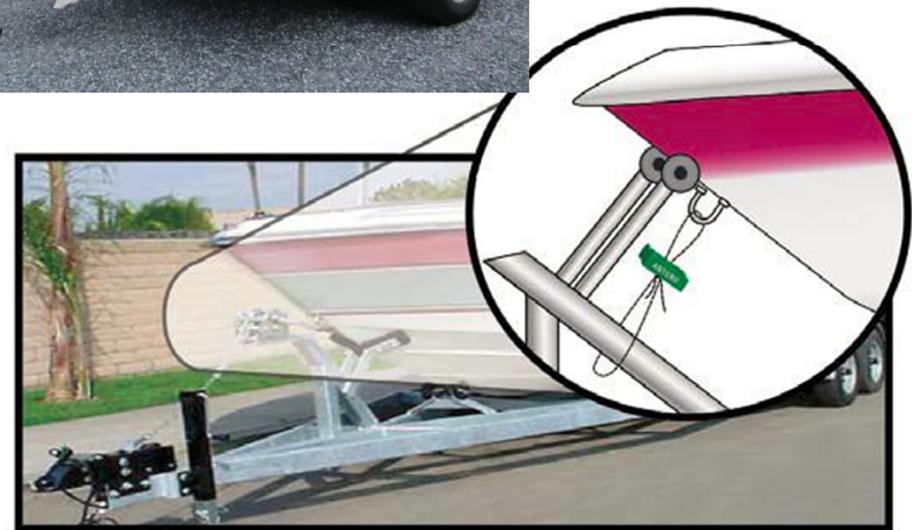
April 2013

Lake George Park Commission  
P.O. Box 749, 75 Fort George Road, Lake George, NY 12845  
518-668-9347 [www.lgpc.state.ny.us](http://www.lgpc.state.ny.us)

Bruce Young, Chairman  
David Wick, Executive Director

# Boat Inspections – the Process

- All trailered boats must be inspected prior to launch, and are then sealed to the trailer as shown at right
- Clean, Drained, Dry standard. If not CDD, then decontaminated with high pressure hot water
- Upon exit from the lake, boat is re-sealed to trailer
- Upon next return to Lake George, if seal is intact, inspection is not necessary
- If seal is not present (i.e. launched at another lake), new inspection is required
- **NO COST TO BOATER**



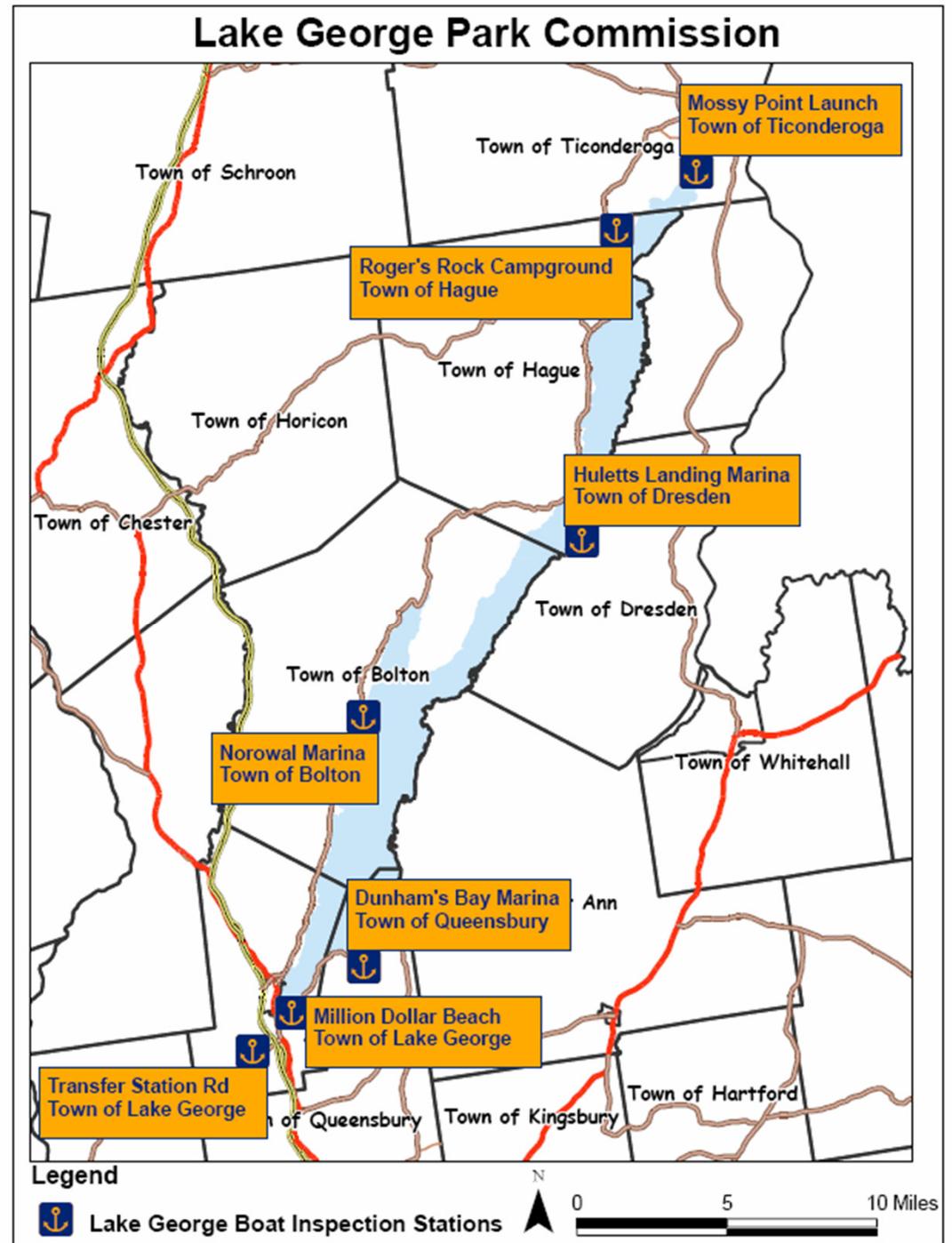
# Decontamination if Required



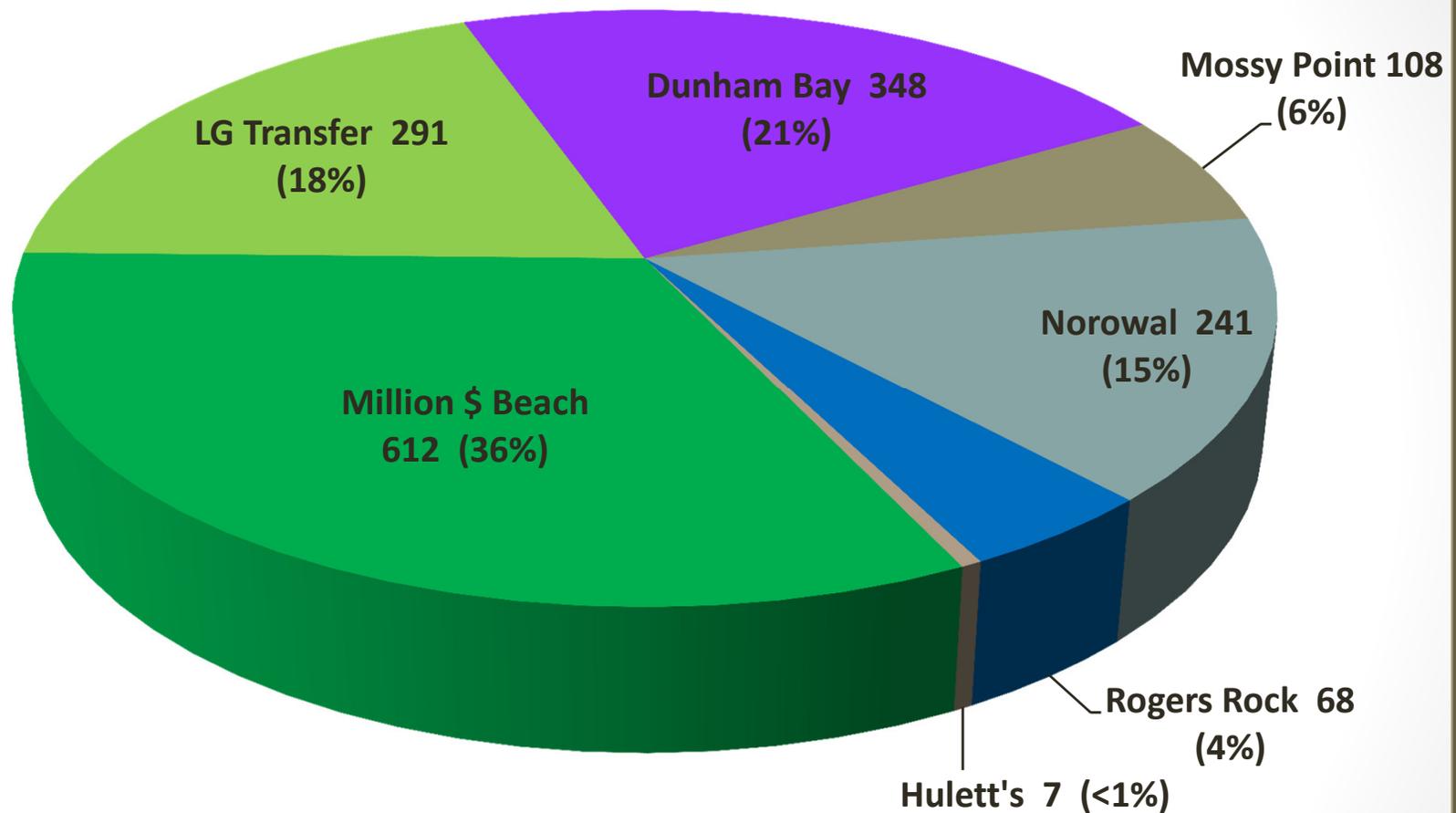
# This is, and will always be, a program about managing risk



- Seven regional inspection stations around Lake George
- 55 inspectors, hired through temp staffing company, overseen by Commission
- Dawn through dusk operation, staffing varies by season



## 2015 Decontaminations by Site (Total 1,675)



75% of Decontaminations are boats coming to the southern stations

2014 Average Decontamination Rate: 12%

2015 Average Decontamination Rate: 16%

# What are the Costs?

## One-Time Up Front (300k)

- Equipment (trailered decontamination units)
- Infrastructure upgrades to inspection sites



## Annual (530k in 2015)

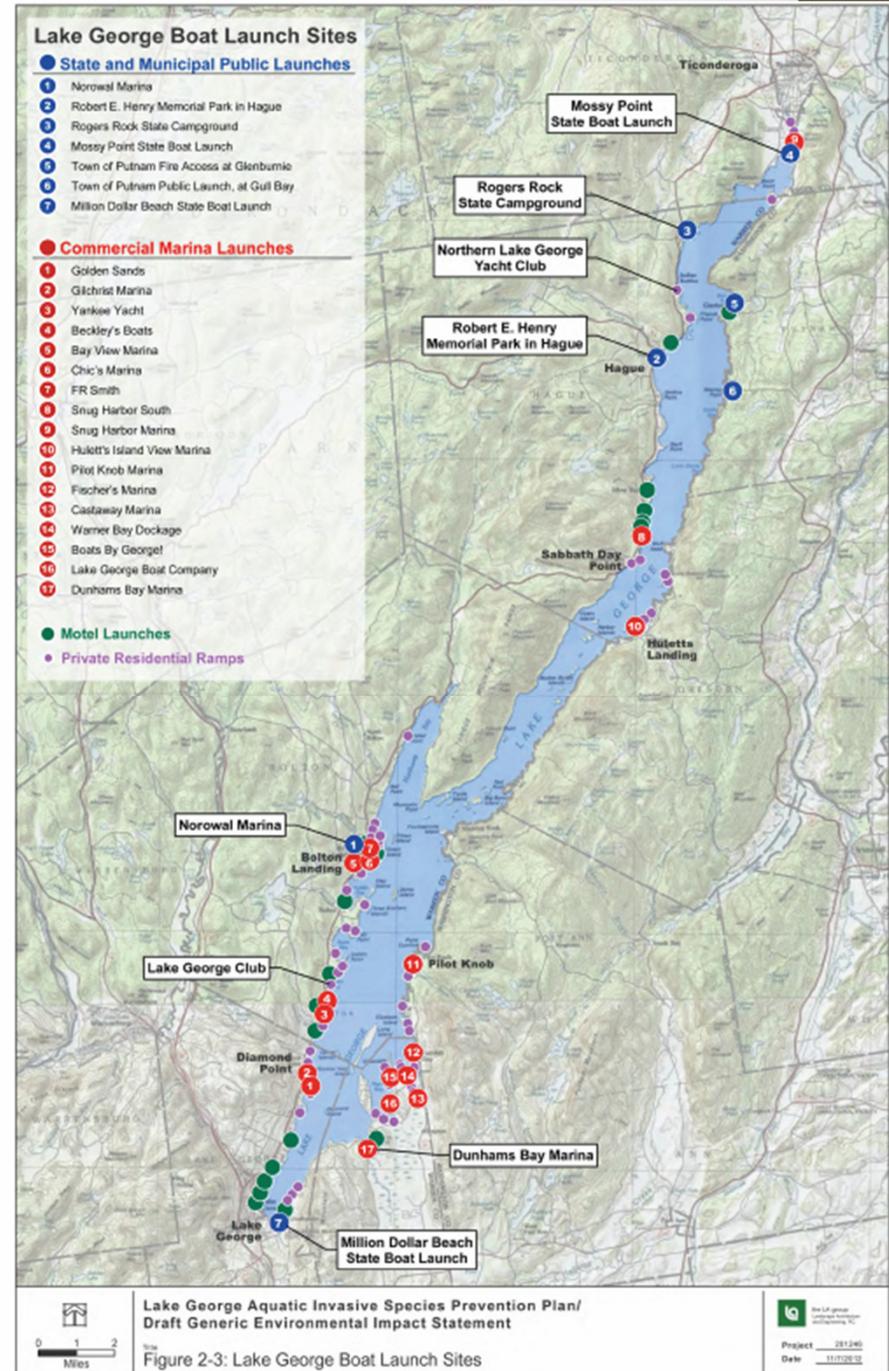
- Seasonal Staffing
- Materials, equipment repairs



# Launch Management

**86 Trailered Launches on Lake George**  
**All private launches have executed launch agreements with the Commission under this program**

- State and Municipal (11)
  - LGPC Staff
  - After-hours Access via Passive Surveillance
  
- Marina & Motel (40)
  - Register
  - Staff or Secure Launch
  
- Homeowners & HOA's (35)
  - Register
  - Launch landowner boats
  - Certification of C-D-D
  
- Quick Launch & Haulers
  - MOU: chain of custody



# Public and Private Launch Compliance Checks (2015)

- From April 15<sup>th</sup> to November 1st, the Patrol has conducted more than 9,000 launch checks.
- Activity has been seen at the launches at over 600 of these checks.
- Patrol has made more than 400 times while seeing activity.



# Two Years at a Glance

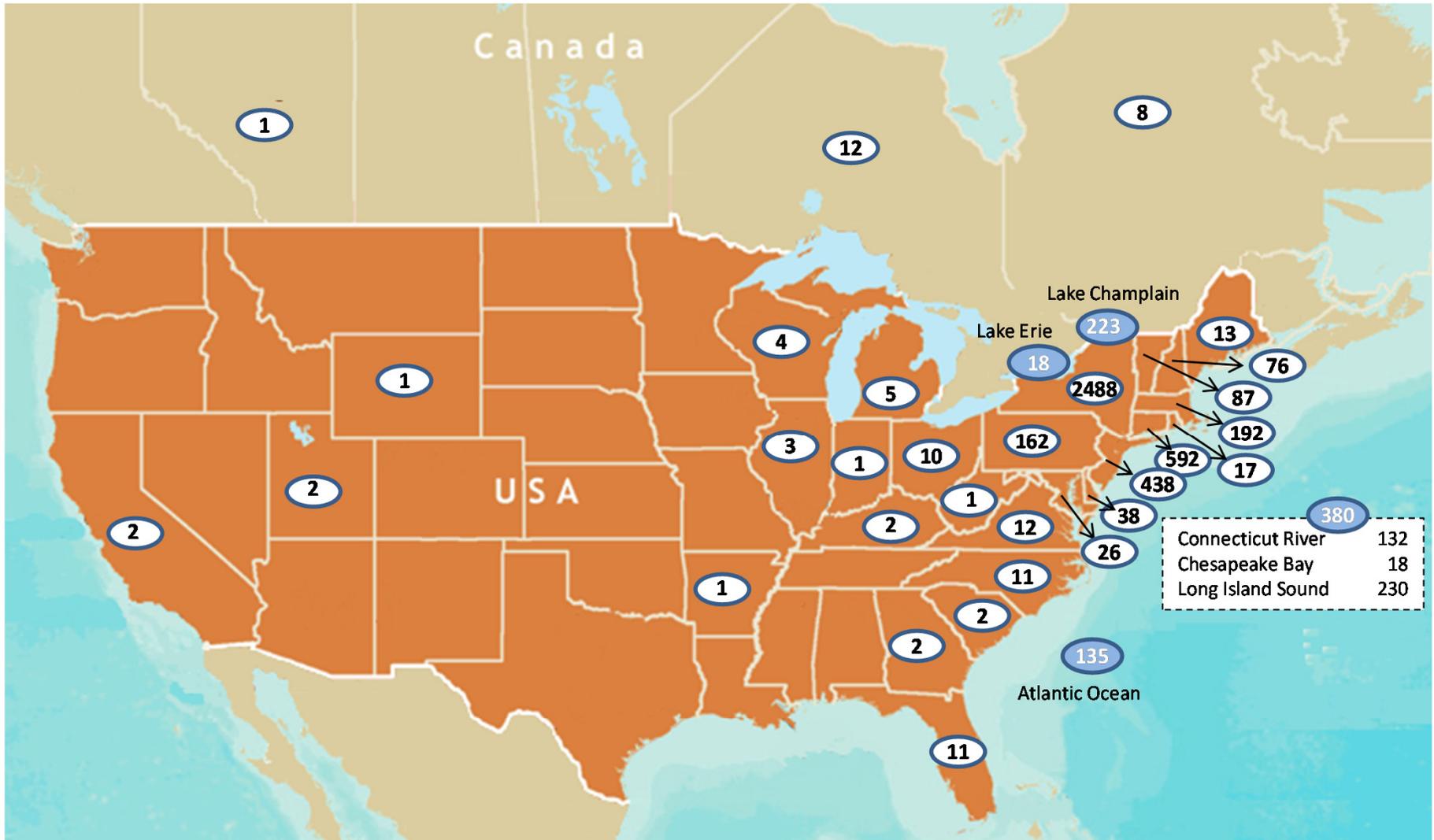
Item	2014	2015	Comment
Total Boater Contacts	18,096	27,484	52% <u>increase</u>
Annual Program Cost	\$668,000	\$530,000	21% <u>decrease</u>
Visible AIS confirmed	144	106	Hundreds with visible plant material
Overall Decontamination rate	12% (1,264)	16% (1,675)	Not Clean, Drained and Dry

Siena Research Institute poll:

96% note that boat inspection program is “very important” or “important”

92% support permanent implementation

## Previous Destinations: Watercraft entering Lake George -2015



**Key:**



Boats came from 420 different waterbodies so far in 2015

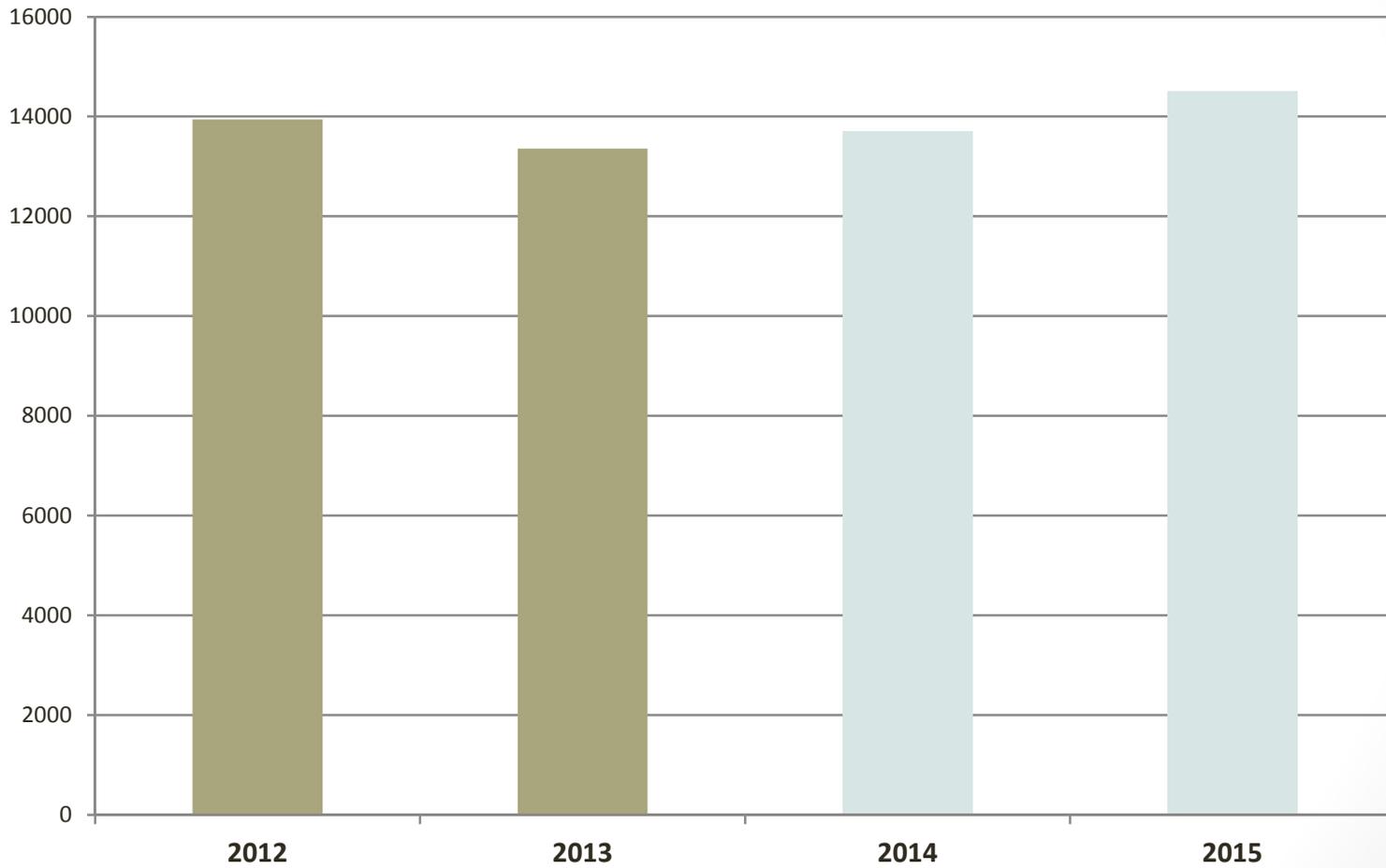
# What was the impact to the boating public?

- Travel time to inspection site:
  - 0-10 minutes
- Inspection time:
  - 5 minute average
- Decon time (if needed):
  - 9 minute average
- **No cost to boater**

Big Question: Will this program drive boaters away from Lake George?..

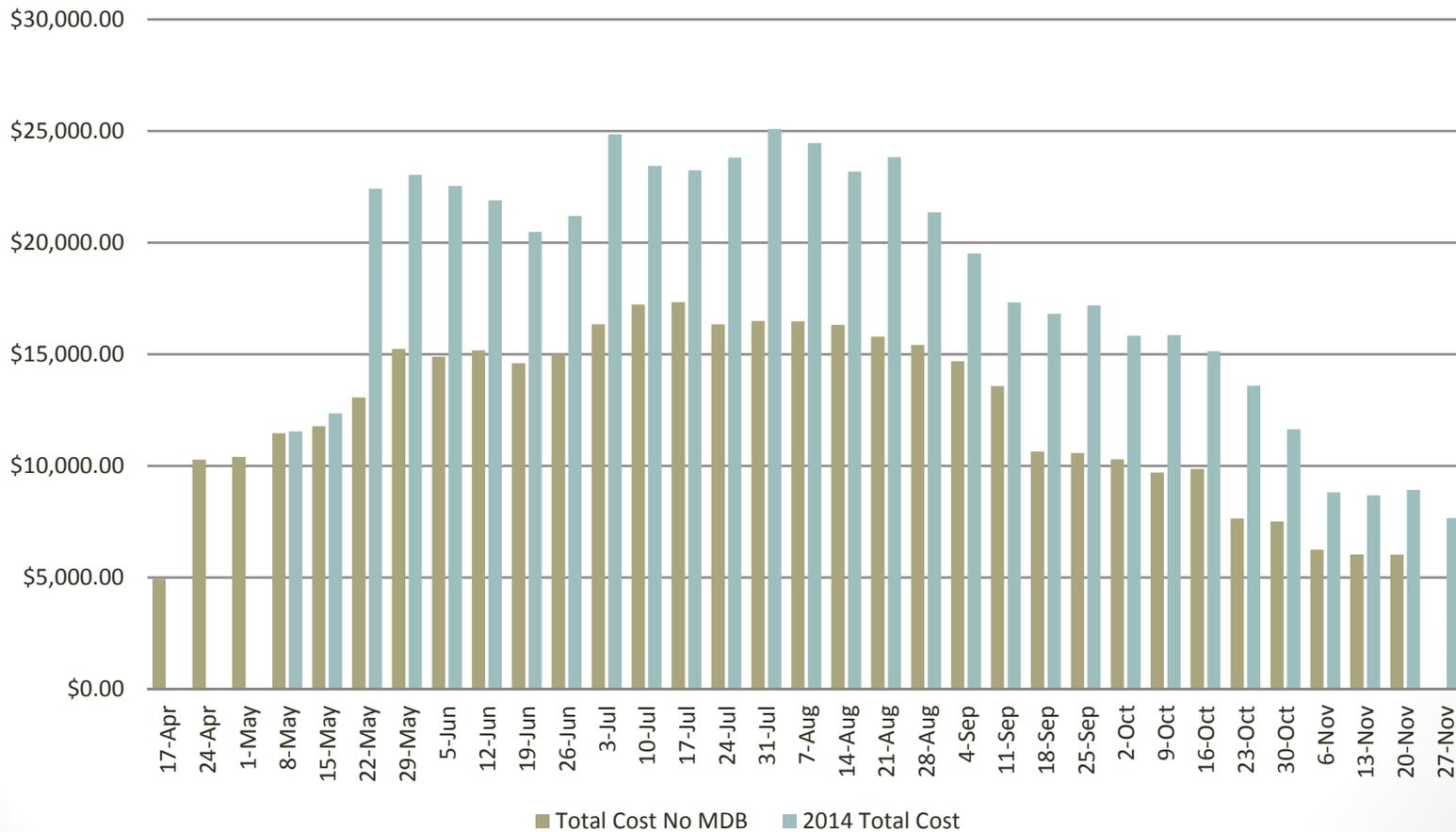


# LGPC Boat Registrations



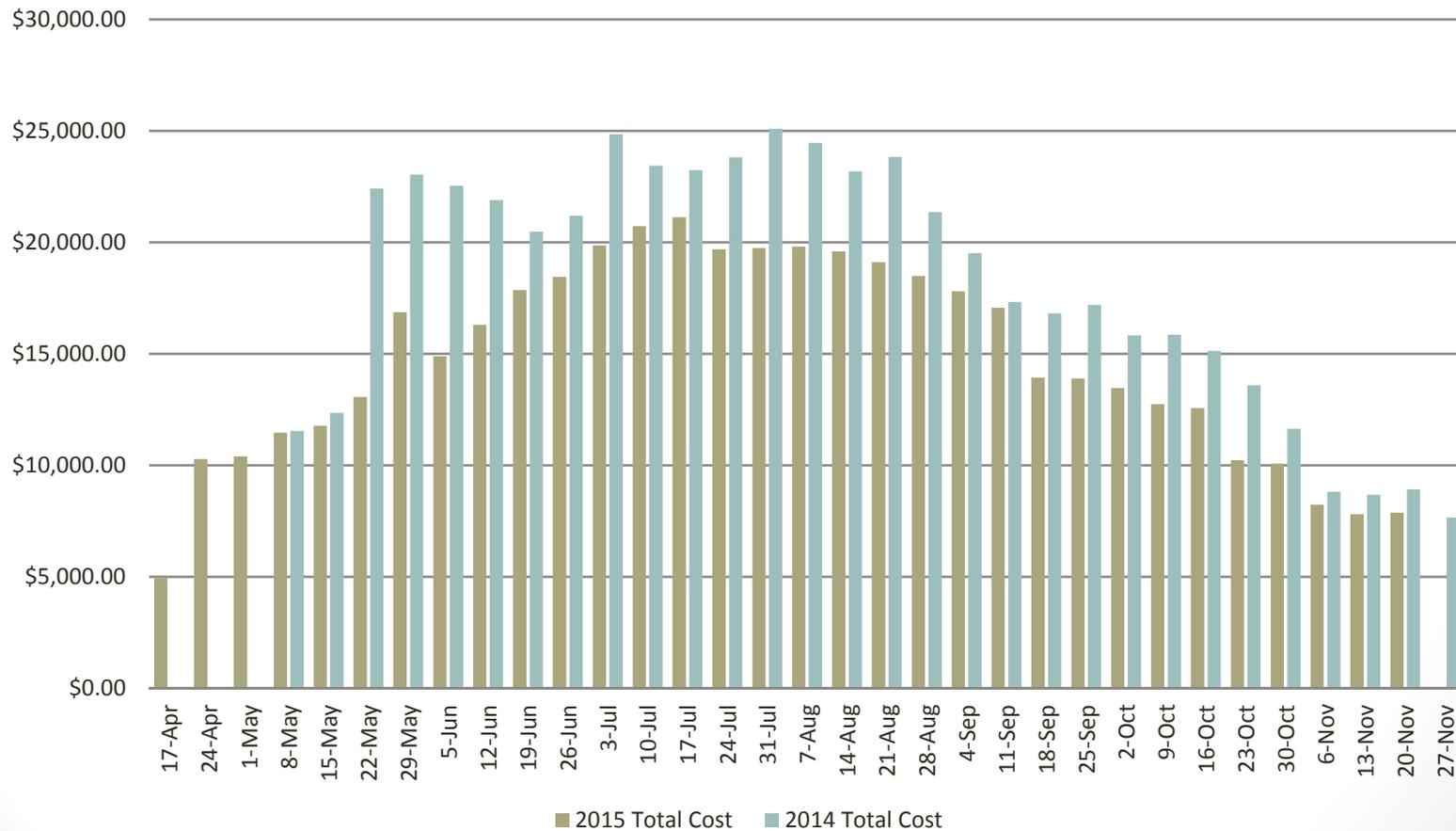
# 2014 v 2015 Weekly Staff Cost w/o MDB

## 2014 v 2015 Weekly Cost w/o MDB



# 2014 v 2015 Weekly Staff Costs w/MDB

## 2014 v 2015 Weekly Cost w/MDB



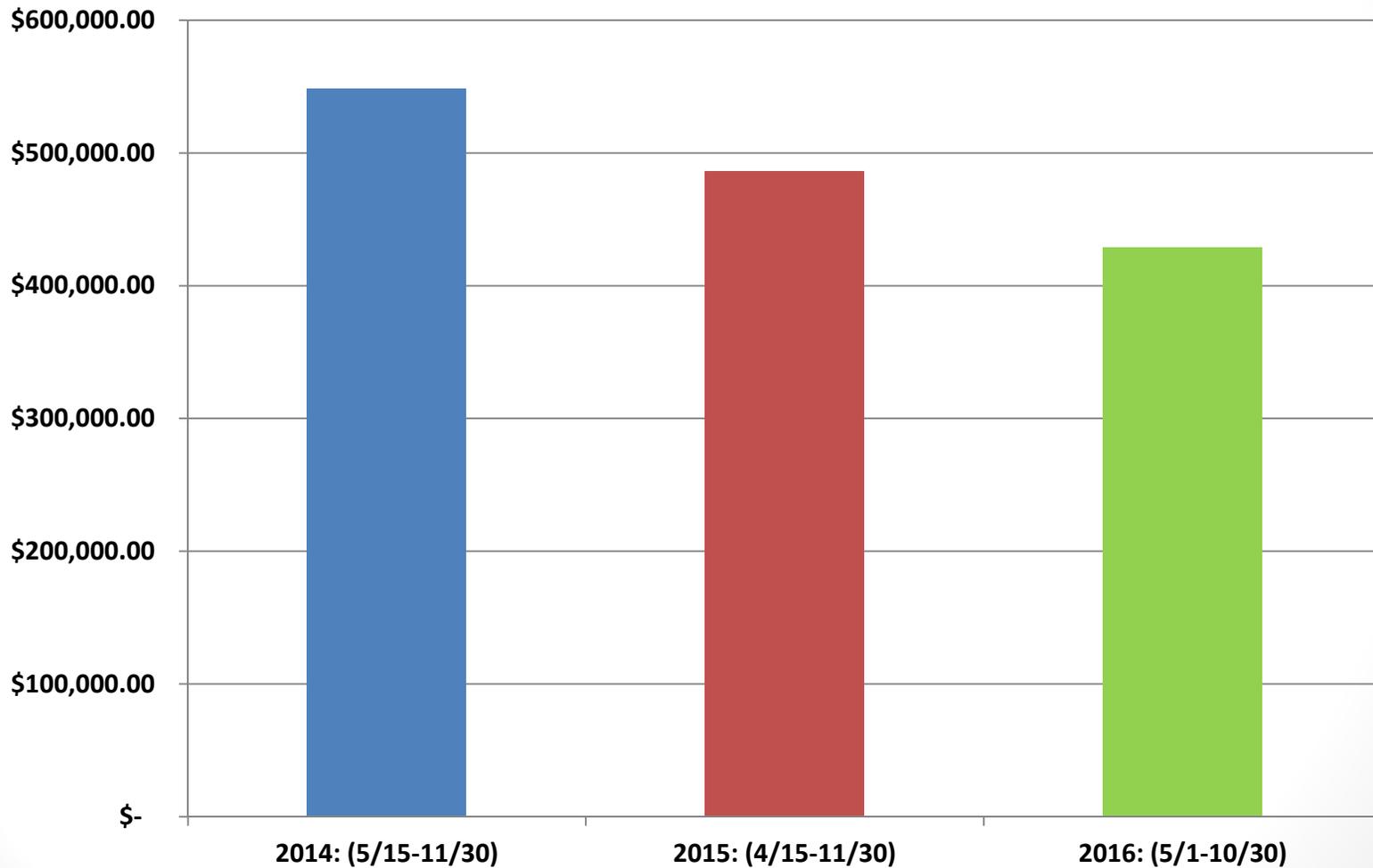
# Staff Costs by Year

	Transfer	Dunham's	Mossy Pt.	Roger's Rock	Norowal	MDB	Hulett's	Total
<b>2014</b>	\$ 93,000	\$ 112,000	\$ 126,000	\$ 87,000	\$ 130,000	\$ ----	\$ 2,000	\$ 550,000.00
<b>2015</b>	\$ 60,000	\$ 78,000	\$ 97,000	\$ 80,000	\$ 95,000	\$ 76,000	\$ 5,000	\$ 491,000.00
<b>2016 est.</b>	\$ 37,000	\$ 75,000	\$ 85,000	\$ 70,000	\$ 82,000	\$ 88,000	\$ 5,000	\$ 442,000.00

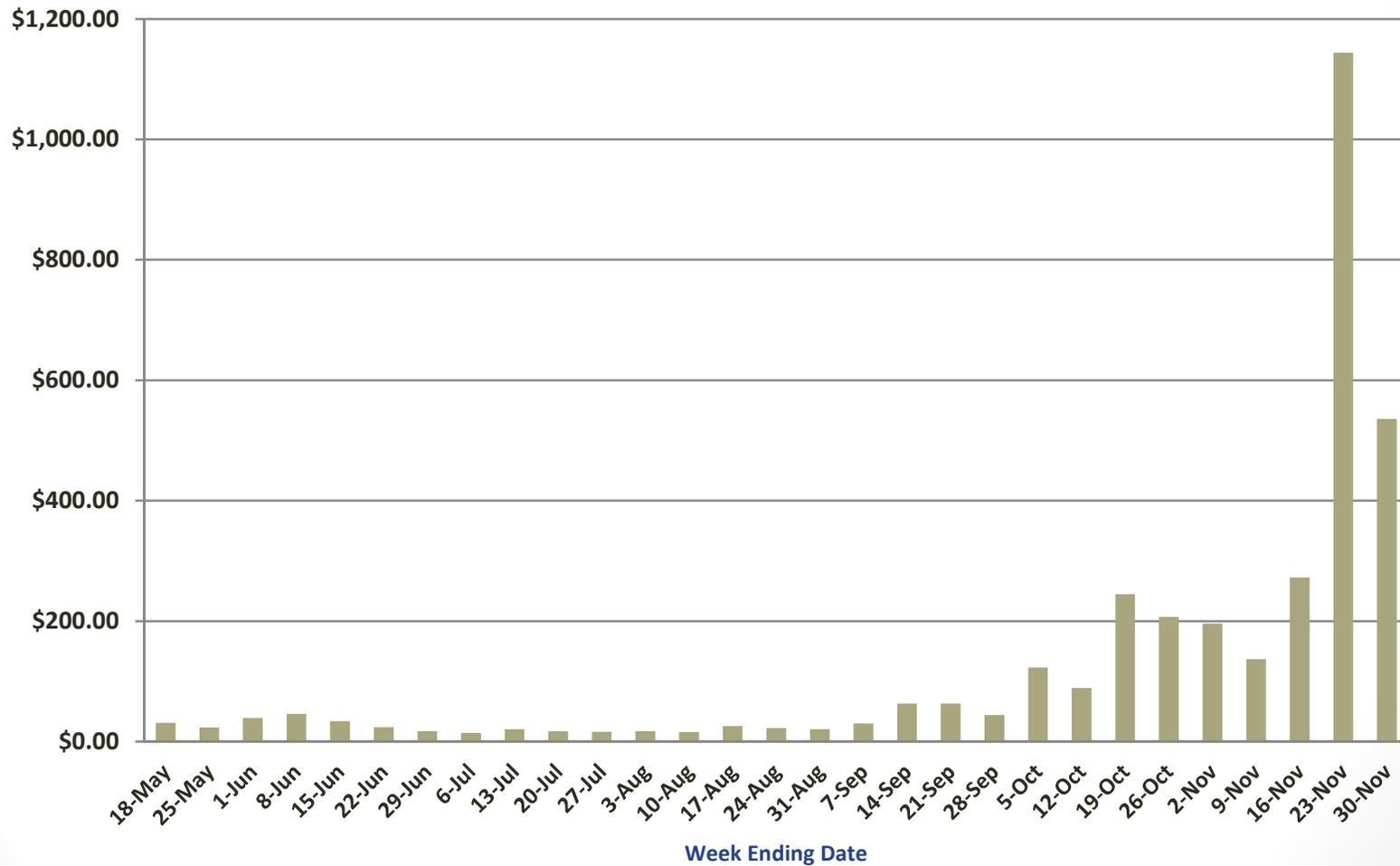
Through program refinement and site efficiencies, if implemented, 2016 inspection staff costs are projected to be approximately 30% less than original projections for inspection program.

**Total program costs** (staffing, equipment, materials) of future years are projected to be approximately \$500,000 annually (28% less than original projections).

# Total Staffing Cost by Year



# Cost Per Inspection



# Funding

- This program exists through the financial support of the NYS Environmental Protection Fund, local municipalities and nonprofit organizations as a cost-share between local and state.

- **State**

- NYS EPF: \$350,000

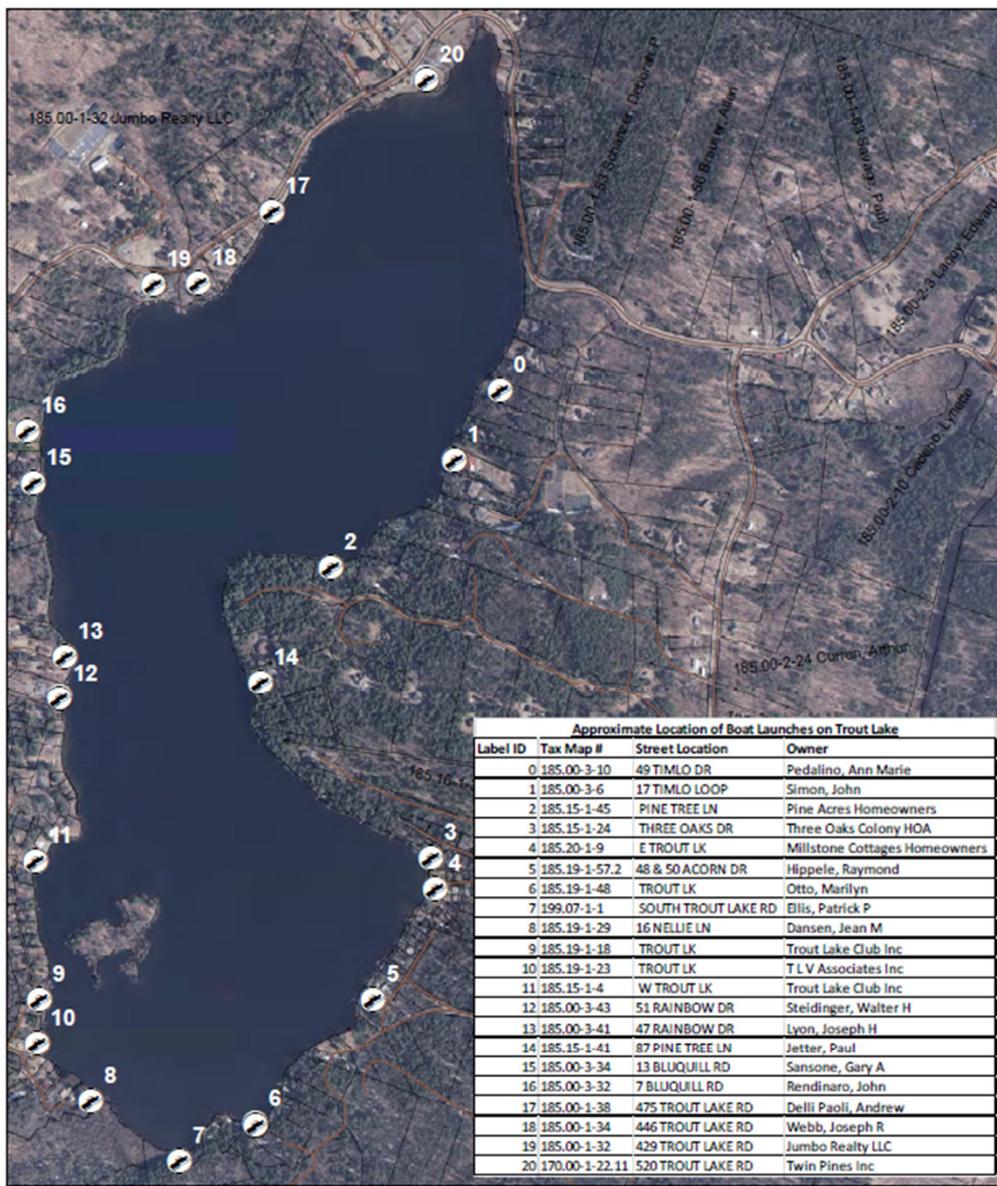
- **Local**

- **Warren County: \$150,000**
- Village of Lake George: \$50,000
- Town of Lake George: 30,000
- Town of Bolton: \$30,000
- Town of Queensbury: \$30,000
- Fund for Lake George: \$43,000
- Lake George Association: \$30,000
- Town of Putnam (launch staffing): \$27,000
- Town of Hague (launch staffing): \$14,000

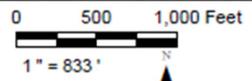
- **2016 County Request... \$100,000 (33% reduction)**

*“Our S.A.V.E. Committee commends the Park Commission for implementing the highly successful boat inspection program and pledges to fund up to 50% of the costs over the next three years.”*

*Mayor Robert M. Blais  
Chairman – Sept 21, 2015*



Approximate Location of Boat Launches on Trout Lake			
Label ID	Tax Map #	Street Location	Owner
0	185.00-3-10	49 TIMLO DR	Pedalino, Ann Marie
1	185.00-3-6	17 TIMLO LOOP	Simon, John
2	185.15-1-45	PINE TREE LN	Pine Acres Homeowners
3	185.15-1-24	THREE OAKS DR	Three Oaks Colony HOA
4	185.20-1-9	E TROUT LK	Millstone Cottages Homeowners
5	185.19-1-57.2	48 & 50 ACORN DR	Hippele, Raymond
6	185.19-1-48	TROUT LK	Otto, Marilyn
7	199.07-1-1	SOUTH TROUT LAKE RD	Ellis, Patrick P
8	185.19-1-29	16 NELLIE LN	Dansen, Jean M
9	185.19-1-18	TROUT LK	Trout Lake Club Inc
10	185.19-1-23	TROUT LK	T L V Associates Inc
11	185.15-1-4	W TROUT LK	Trout Lake Club Inc
12	185.00-3-43	51 RAINBOW DR	Steidinger, Walter H
13	185.00-3-41	47 RAINBOW DR	Lyon, Joseph H
14	185.15-1-41	87 PINE TREE LN	Jetter, Paul
15	185.00-3-34	13 BLUQUILL RD	Sansone, Gary A
16	185.00-3-32	7 BLUQUILL RD	Rendinaro, John
17	185.00-1-38	475 TROUT LAKE RD	Delli Paoli, Andrew
18	185.00-1-34	446 TROUT LAKE RD	Webb, Joseph R
19	185.00-1-32	429 TROUT LAKE RD	Jumbo Realty LLC
20	170.00-1-22.11	520 TROUT LAKE RD	Twin Pines Inc

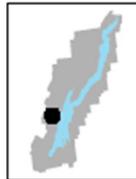


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 This map and information is provided as is. We make no warranties or guarantees, expressed or implied. The user assumes all risks and responsibility for determining whether this map is sufficient for purposes intended. The data is deemed reliable but not guaranteed.

### Trailer Boat Launches Trout Lake, Town of Bolton

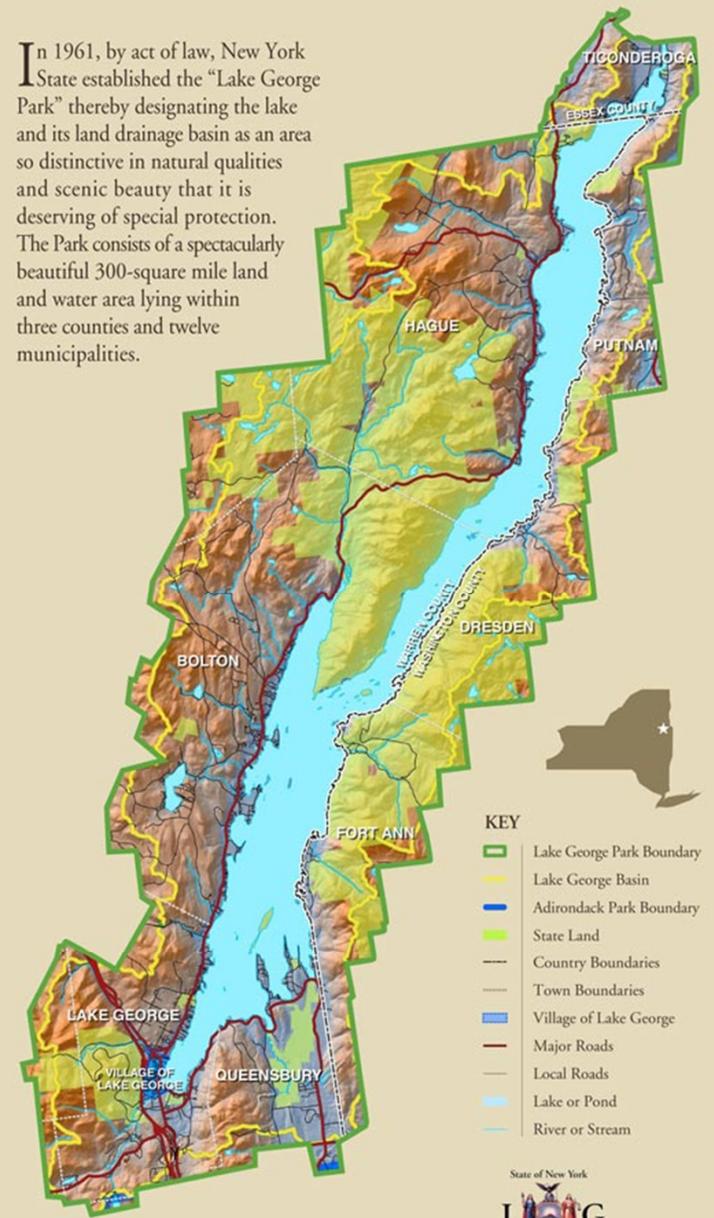
#### Legend

- Boat Launch Ramp



# LAKE GEORGE PARK

In 1961, by act of law, New York State established the "Lake George Park" thereby designating the lake and its land drainage basin as an area so distinctive in natural qualities and scenic beauty that it is deserving of special protection. The Park consists of a spectacularly beautiful 300-square mile land and water area lying within three counties and twelve municipalities.



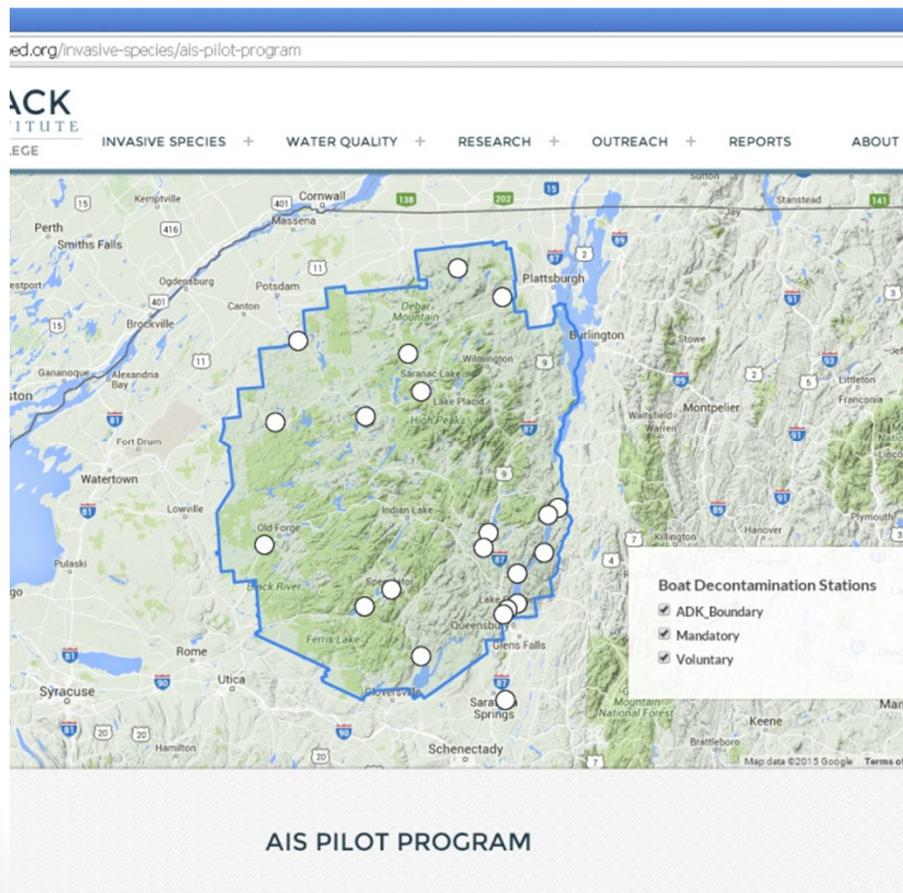
- KEY**
- Lake George Park Boundary
  - Lake George Basin
  - Adirondack Park Boundary
  - State Land
  - Country Boundaries
  - Town Boundaries
  - Village of Lake George
  - Major Roads
  - Local Roads
  - Lake or Pond
  - River or Stream



This map was produced by Heritage Associates, Burlington, NY

# Beginning of a Broader Effort...

## Adirondack Park-wide program



- Others interested...
- Candlewood Lake, CT
- Greenwood Lake, NJ
- State of Maryland DNR

# LakeGeorgeBoatInspections.com



# Long Term...?

- Commission voted to pursue permanent regulations
- Continue to refine program every year for service, efficiency and cost
- **Funding is the single largest challenge to long-term success**



***Thank You Supervisors!***

*Without You, This Program Simply Would Not Exist*



*Photo courtesy Carl Heilman*