

Overview of Utah's AIS Program



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Steps to Success

1. Outreach and Education
2. Boat Interception
3. AIS Management



Outreach and Education

FULL YEAR CERTIFICATION



Each time you visit a Utah lake, you'll be asked to complete a Decontamination Certification Form. Or, take our free online course and become certified for the whole year.

BEGIN THE COURSE

DOWNLOAD A SINGLE-USE FORM



OR

DOWNLOAD

DON'T BE A BOATER WHO SPREADS THE STD OF THE SEA

Watercraft decontamination

Before boating
Before launching your boat, it must be mussel-free. It's the law! Mandatory boat inspections are routine at Lake Powell, Deer Creek Reservoir, some state points of entry, roadside stops and other waters. This form serves as an inspection receipt.

Self-decontamination steps
Check each box as you **Clean, Drain & Dry**

- ☐ **Clean** all plants, fish, mussels and mud off your boat.
- ☐ **Drain** all water, even from your ballast tanks, bilge, livewells and motor. (Lower your motor to outdrive to drain it.)
- ☐ **Dry** your boat and equipment for at least 7 days in summer, 18 days in spring or fall, 30 days in winter, or freeze winterized equipment for 3 days.

Professional decontamination
Professional decontamination is another option. Certified specialists use scalding (140°F) water to wash your trailer and boat inside and out plus flush your ballast tanks, bilge, livewells and motor.

Locate professional decontamination units:

- Northern Utah, 801.648.6315
- Central Utah, 435.503.4066
- Northeastern Utah, 435.790.8938
- Southeastern Utah, 435.630.3132
- Southern Utah, 435.691.2427
- Or visit STDoftheSea.com

Visit STDoftheSea.com for more information.
Invasive mussel hotline: 1 800 662-3337

Complete, sign and place this side up on the dashboard of the tow vehicle before launching.

Was boat used in any of the following mussel-affected areas within the past 30 days?

- Utah: Lake Powell or Deer Creek Reservoir
- Colorado, California, Nevada, New Mexico or Arizona
- Waters east of Montana, Wyoming, Colorado and New Mexico
- Mexico or Canada: (Canadian provinces of Quebec, Ontario or Manitoba)
- Other: Waters published on the DWR website at wildlife.utah.gov/rules.

If you answered **NO** to all the above, sign below, then place this form, with the signature side up, on the dashboard of your launch vehicle before launching.

If you answered **YES** to any of the above, you must decontaminate your boat using one of the methods below:

- ☐ **Self-decontamination** (See the front side of this form for instructions.)
- ☐ **Professional decontamination** (See the front side of this form for help in locating decontamination units.)

Under penalty of law, I declare that I have either not used my boat in any water listed above or I that have decontaminated my boat and trailer as outlined on the front side of this form.

Boater signature _____ **Date** _____
Valid only when signed. Providing false information is unlawful. (Admin rule R657-60).

Sections below are for internal use only.

INSPECTION	DECONTAMINATION
<input type="checkbox"/> Hull (inside & outside)	<input type="checkbox"/> Full
<input type="checkbox"/> Through hull fittings	<input type="checkbox"/> Standing water
<input type="checkbox"/> Trailer	<input type="checkbox"/> Plant
<input type="checkbox"/> Transom	
<input type="checkbox"/> Bumpers	
<input type="checkbox"/> Bilge, ballast & live wells	
<input type="checkbox"/> Equipment holds	
<input type="checkbox"/> Miscellaneous equipment	
<input type="checkbox"/> Anchors & lines	
<input type="checkbox"/> Motor flush (lower unit)	

Seal # _____ Date _____ Agent signature _____

THE CULPRIT

INVASIVE MUSSELS

Mussels form dense, destructive colonies that encrust almost any underwater surface. Newly hatched mussels (called veligers) are microscopic. Veligers can easily be transferred to other waters without boat owners even knowing.

THE DAMAGE

Mussel infestations in Utah lakes can:

- DESTROY FISHERIES**
- POLLUTE SHORELINE AND BEACHES**
- DAMAGE BOATS AND EQUIPMENT**
- COST MILLIONS TO CONTROL**

THE INFESTATION

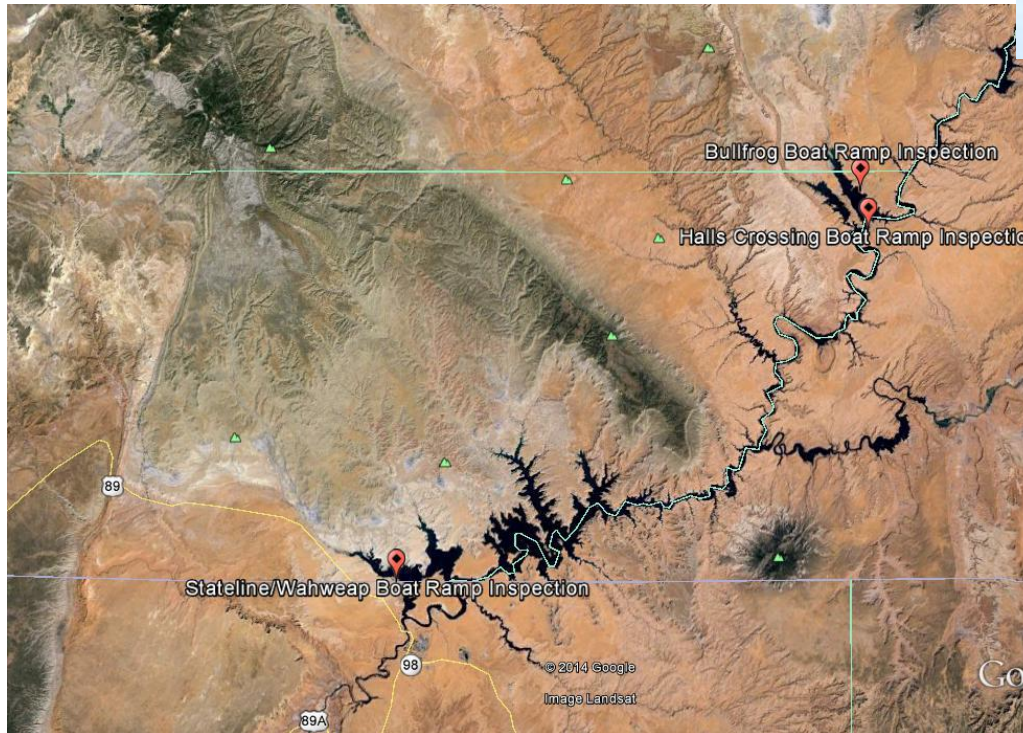
Mussels have already infested these nearby lakes:

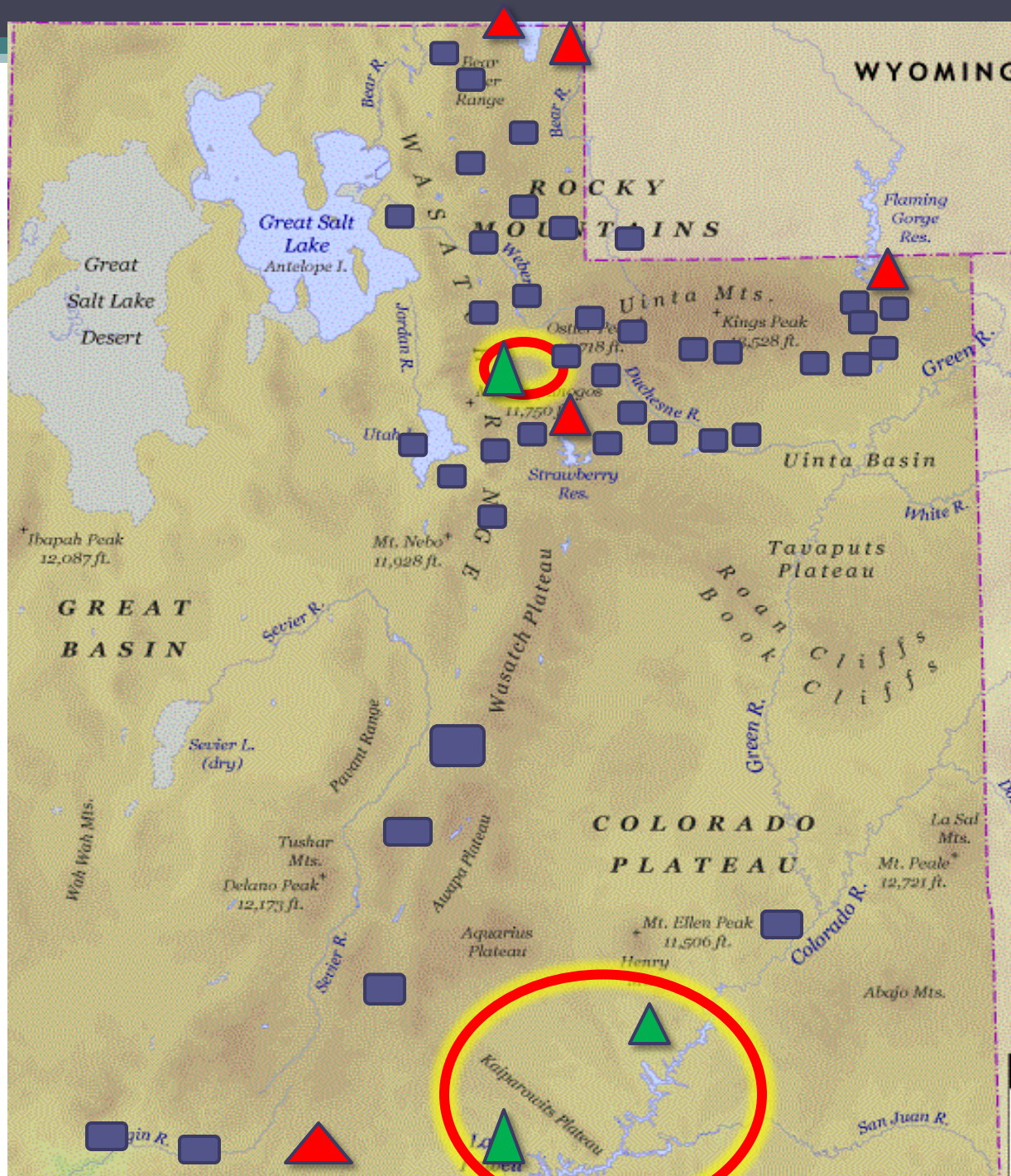
- 1 Lake Powell
- 2 Lake Mead, NV
- 3 Lake Havasu, AZ

And hundreds in the U.S.

Boat Interception

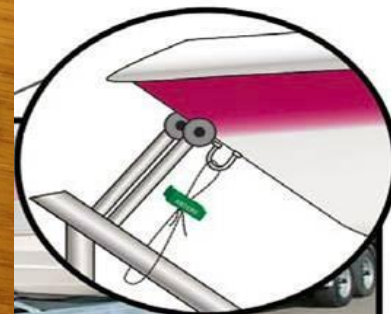
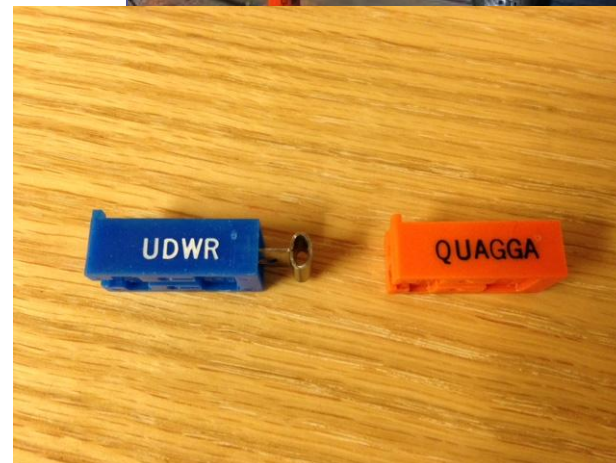
- Lake Powell – Infested!
- Deer Creek – Suspect





First Layer: Exit Inspections at Lake Powell & Deer Creek

- No standing water or attached mussels leaving the area!
- Decontamination of select boats
- Tagging of all boats!
- Boater education



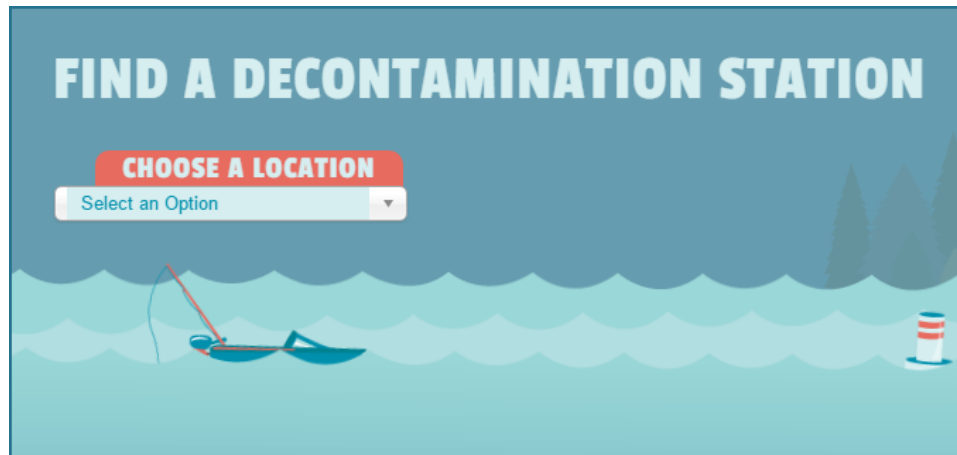
Second Layer: Statewide Boat Inspection Stations

- **I-15 POE**
 - **Lake Powell – Big Water/Kanab, Hanksville**
 - Bear Lake – Garden City, Laketown
 - Strawberry Reservoir – Daniels POE
 - Flaming Gorge – Hwy 191
-
- All watercraft required to stop



Third Layer: Statewide Inspection & Decontamination

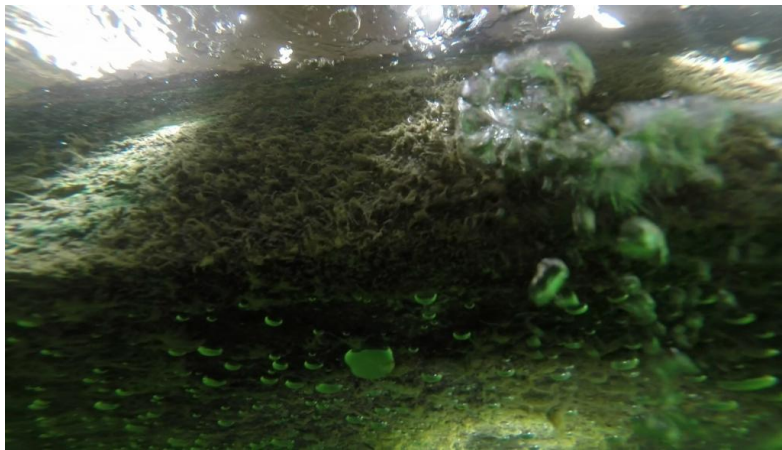
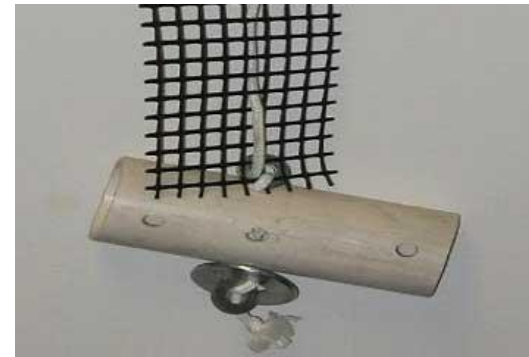
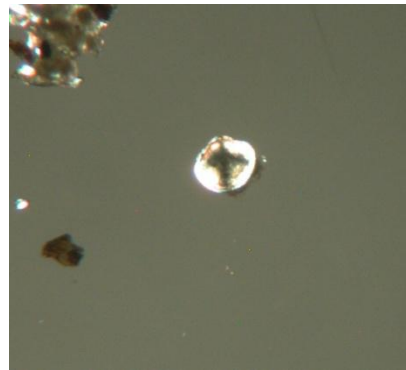
- 55 Mobile Decontamination Units



- Building permanent stations throughout the state
 - 2016 – Deer Creek, Jordanelle, Utah Lake, Willard Bay
 - 2018 -- ??

AIS Monitoring

- Plankton samples
- Dive surveys
- Substrate samplers



Rapid Response Plans

- Flaming Gorge Reservoir
- Starvation, Steinaker, Red Fleet Reservoirs

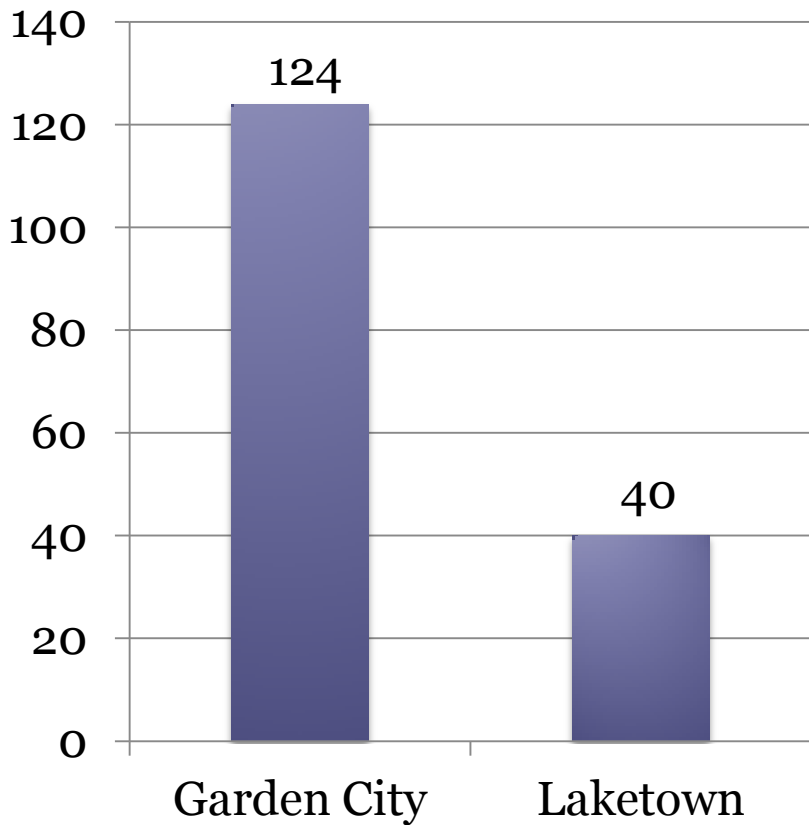


Bear Lake AIS Prevention Efforts

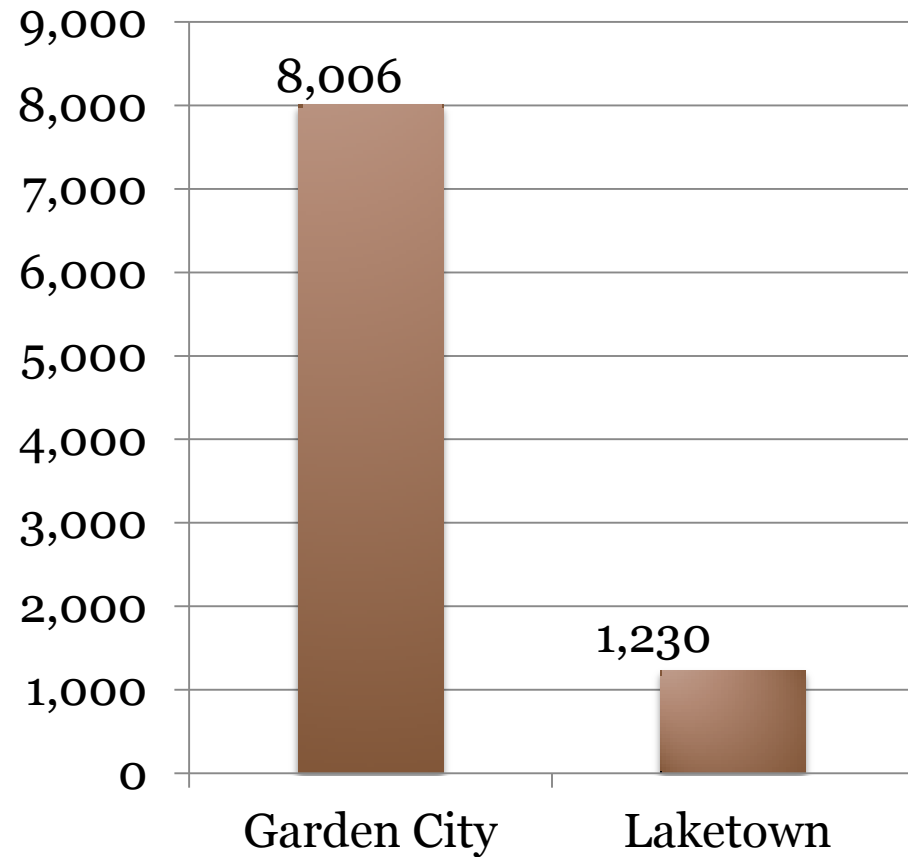


2015 Season Statistics

Decontaminations

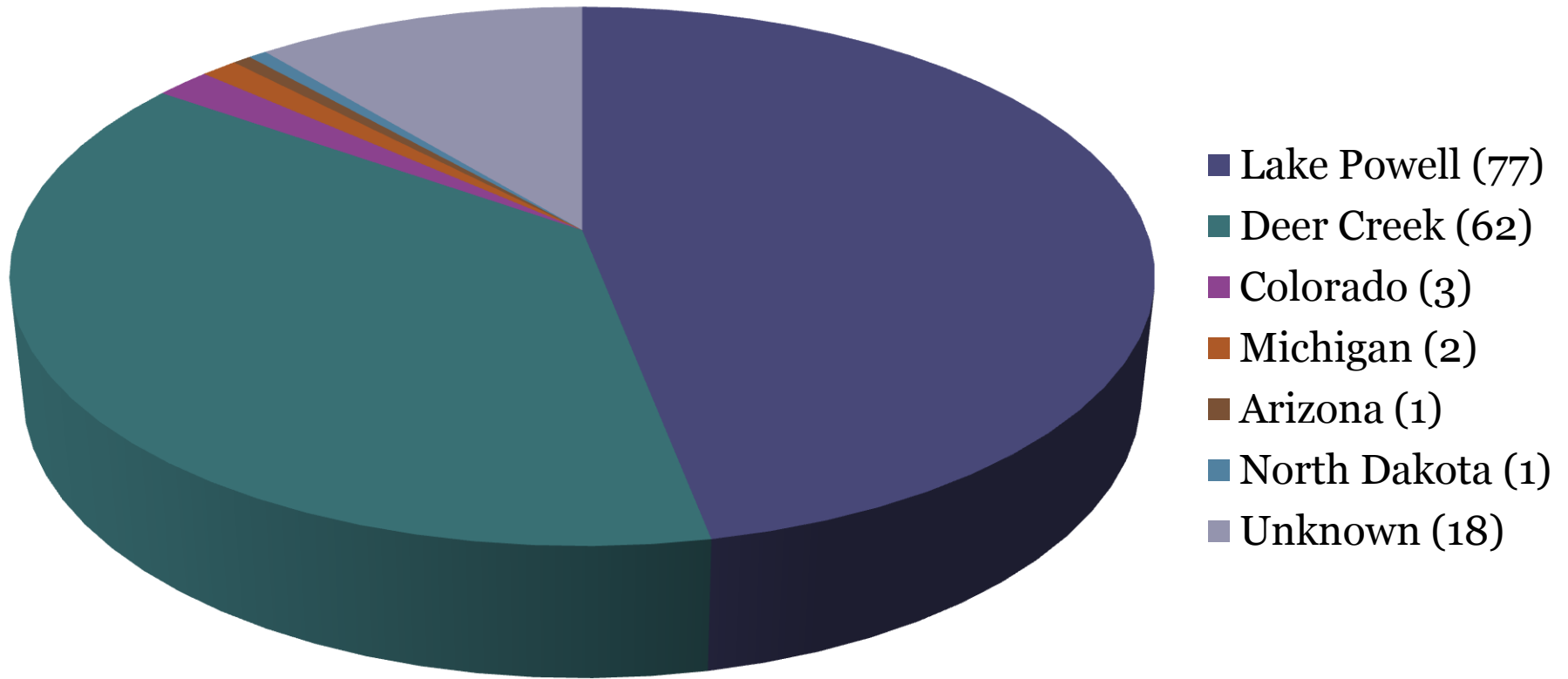


Watercraft Interdictions



2015 Season Statistics

Origin of Contaminated Watercraft



Bear Lake Future AIS Efforts

- Alternate location for Garden City Inspection Station location
- Rapid Response Plan development – 2017
- Coordinated efforts with ID

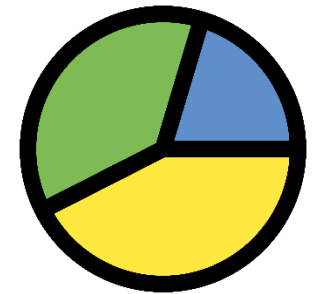
Looking Ahead

- Rule Changes
 - Plug rule (WAWFA)
 - Mandatory dry time for mussel boats
 - All mussel-encrusted boats must be cleaned and decontaminated at owner's expense
- Utah AIS Program Rebuild
 - More focus at Powell
 - Integration of private business
 - More coordination with surrounding states



A Comprehensive Effort

- Effective Outreach and Education
- Multiple layers of protection, starting at the mussel-affected waters, and ending at the destination waters
- Frequent Early Detection Monitoring
- Standardized Data Collection
- Partnership Building



Partners

- Division of State Parks and Recreation
- USFWS
- USFS
- USBOR
- NPS
- BLM
- Emery Water Conservancy Districts
- Provo River Watershed Council
- FFSL
- Central Utah Water Conservancy District
- Weber Basin WCD
- PacifiCorp
- Uintah WCD

- Many moreand more in the future.



Thank You

New Developments 2016 AIS Season

- Local Boater Program at Lake Powell
 - Sticker for “local” boats
 - Allows techs to focus inspections on high-risk boats traveling out of area
 - Full decontamination required if launched anywhere else

