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INVASIVE SPECIES OF IDAHO

Invasive Species Program Areas

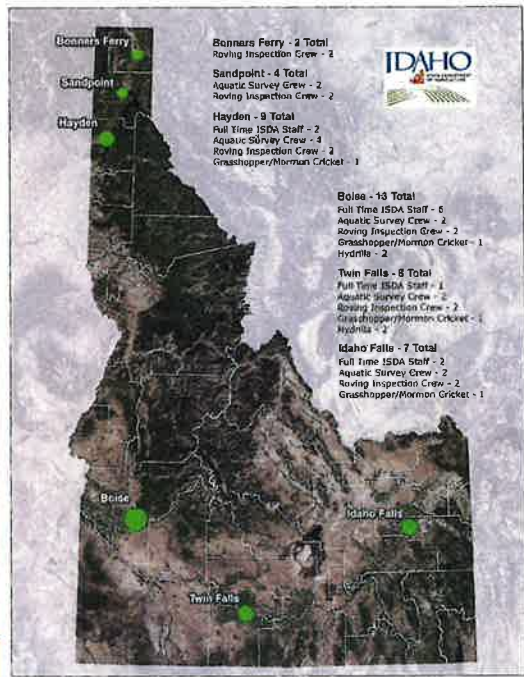
- Prevention
 - Watercraft Inspection
- Early Detection Monitoring
 - Plankton tow
 - Adult surveys
- Management and Control
 - Active control programs
 - Rapid response planning
- Education and Outreach
 - Public campaigns
 - Partnerships

The slide has a background image of a boat launch. On the left, a small box contains the text 'INVASIVE SPECIES OF IDAHO'. The title 'Invasive Species Program Areas' is centered at the top. Below the title is a bulleted list of program areas. On the right side of the slide is a photograph of a boat launch area. It features a sign on a wooden post that reads 'STATE LAW' in a yellow box, 'TRANSPORTATION OF INVASIVE SPECIES PROHIBITED' in a blue box, and 'WATERCRAFT MUST HAVE STICKER TO LAUNCH' in a smaller white box. To the right of this sign is a blue signpost with two signs: 'WELCOME TO THE UNITED STATES OF AMERICA' and 'Welcome to IDAHO'.

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2019 Invasive Species/Noxious Weeds Field Staff

- 2019 increase in seasonal field staff in multiple program areas
 - Aquatic survey, roving crew, hydrilla, grasshopper/ Mormon cricket
- Crews often worked in multiple programs per day or week
- 6 Geographic areas
 - Bonners Ferry, Sandpoint, Hayden, Boise, Twin Falls, Idaho Falls

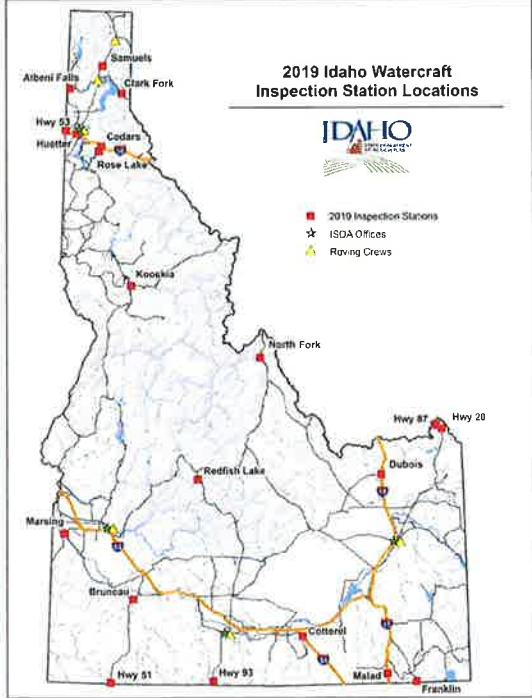


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INVASIVE SPECIES OF IDAHO

2019 Inspection Station

- 11th Year of the inspection program
 - 118,350 in 2019
 - over 715,000 from 2009-2019
- 45 Mussel fouled watercraft
 - 18 Destined to Idaho
- 20 Inspection stations
 - 19 Cooperator stations
- 6 Roving inspection crews
- Extended season duration
- Extended night operations
 - 18 Hour (6AM-midnight)
 - Malad (I-15 N), Culars (I-90W), Jackpot (HWY 93 N)
 - 24 Hour
 - Cotterel (I-84W)
- Law enforcement support
 - Local County
 - Idaho State Police



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INVASIVE SPECIES OF IDAHO

Inspection Station Cooperators

- Bear Lake Regional Commission
 - Garden City & Laketown Canyon (Utah)
- Bonner Soil & Water Conservation District
 - Albeni Falls, Samuels & Clark Fork
- Bruneau River Soil & Water Conservation District
 - Bruneau & Marsing
- City of Dubois
 - I-15 S Dubois
- City of Kooskia
 - HWY 12 W Kooskia
- Franklin Soil & Water Conservation District
 - Franklin
- Fremont County
 - HWY 87 & HWY 20
- Kootenai-Shoshone Soil & Water Conservation District
 - I-90W Cedars, I-90E Huetter, Rose Lake, HWY 53
- Lemhi County
 - HWY 93 North Fork
- Mid-Snake Resource Conservation & Development Council (Twin Falls County Weed)
 - HWY 93 Jackpot
- Oneida Soil & Water Conservation District
 - I-15 N Malad
- Shoshone-Paiute Tribe
 - Duck Valley
- West Cassia Soil & Water Conservation District
 - I-84 W Cotterell



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INVASIVE SPECIES OF IDAHO

AIS Roving Inspection Crew

- Watercraft inspection & boater education
- Primarily at high use boat launches and boating events
 - Races, expos, regattas, peak holiday weekends, etc.
- Thursday-Sunday work week
- Motorized and non-motorized users
 - Headwater launches (i.e. Boundary Creek)
- 6 regional inspection crews
 - Boise
 - Twin Falls*
 - Idaho Falls
 - Hayden
 - Sandpoint*
 - Bonners Ferry*

*New station for 2019


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INVASIVE SPECIES OF IDAHO

2019 Law Enforcement

- 1st year all stations have LE support
- Boater compliance and safety
- Focus during hours of high traffic
- Inspectors contact county dispatch as needed

- Idaho State Police
- Bonner County Sheriff
- Cassia County Sheriff
- Clark County Sheriff
- Fremont County Sheriff
- Idaho County Sheriff
- Kootenai County Sheriff
- Lemhi County Sheriff
- Oneida County Sheriff
- Owyhee County Sheriff
- Twin Falls County Sheriff

















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INVASIVE SPECIES OF IDAHO

Idaho Transportation Department Port of Entry (POE)

- Commercially Hauled Vessels are inspected for mussels at POE
- ISDA receives oversize load permits for water related equipment
- Customs & Border Protection also inspecting
 - Notify ISDA staff if mussels are found






Port Of Entry (POE) Locations

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INVASIVE SPECIES OF IDAHO

Watercraft Inspection Training (WIT)

- Facilitated 18 WIT sessions statewide in 2019
- Participation from local cooperators and stakeholders
- 2 Day course
 - Day 1- Biology, impact, boat anatomy 101, inspection protocol, data
 - Day 2- Hands-on marine technician boat anatomy 201, hotwash operations




K. Holzer

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INVASIVE SPECIES OF IDAHO

Where are mussels on watercraft?

- Hull, thru-hull fitting, chines
- Outdrive, transducer, pitot tube
- Anchor, rope and chain
- Sea strainer
- External water pump, live wells, internal plumbing
- Anywhere that contacts water!



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INVASIVE SPECIES OF IDAHO

High Risk vs Standard Inspection

- Mussel Infested waterbody in previous 30 days
- Standing water
- Large and complex
- Dirty or vegetation attached
- Unknown origin or history
 - Recently purchased/ commercially hauled

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INVASIVE SPECIES OF IDAHO

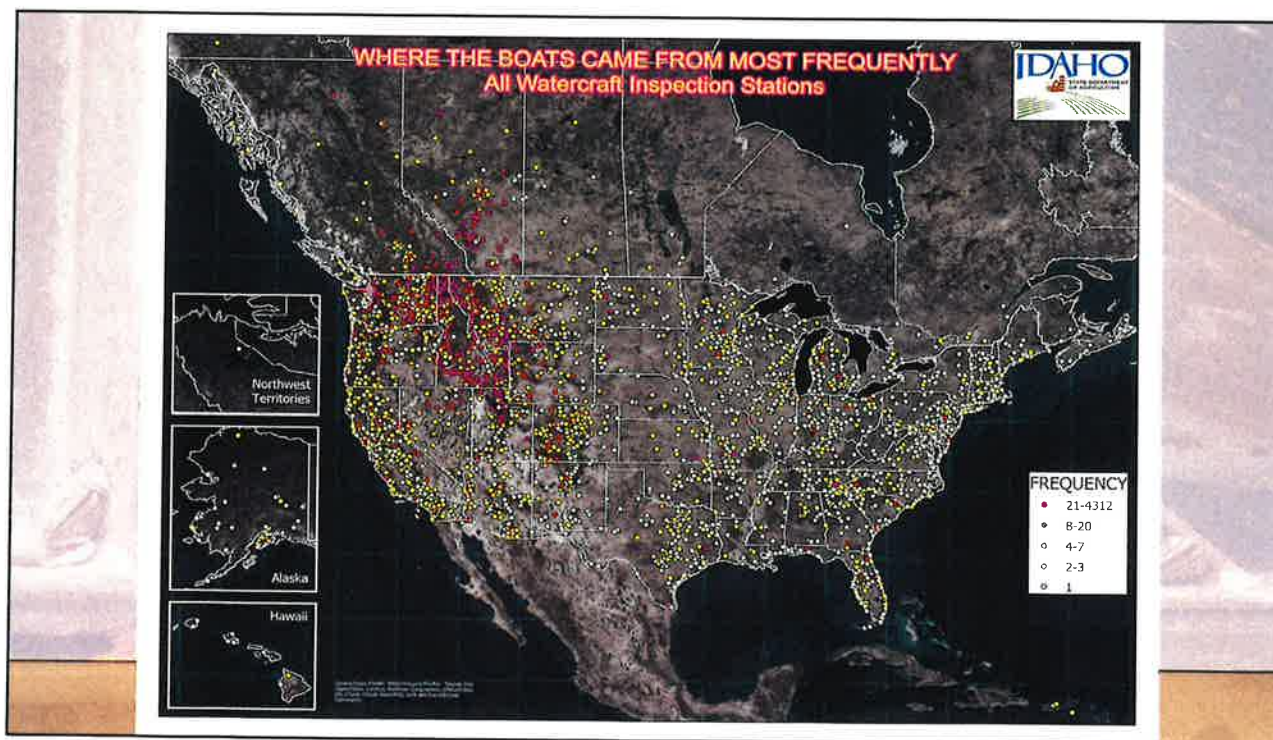
Foul Watercraft Protocol

- Inspectors perform field tests to determine mussel viability
 - Viable mussels: Wet, moist, intact. Close when agitated. Hesitate forced opening. Sink in water. Open and begin siphon in water
 - Dead mussels: Dry, brittle, crumbling. Stay open when agitated, Easily forced opened or crumbles. Float in water. Will not siphon in water
- Viable QZM mussels. (2019-0)
 - ISDA will impound and decontaminate
 - Decontamination is more thorough and intensive than a Hot Wash
 - Law enforcement will be contacted
- Dead QZM mussels. (2019-45)
 - Inspectors perform hotwash
 - ISDA will notify destination states and/or provinces
 - Information documented with data unit and high risk inspection form

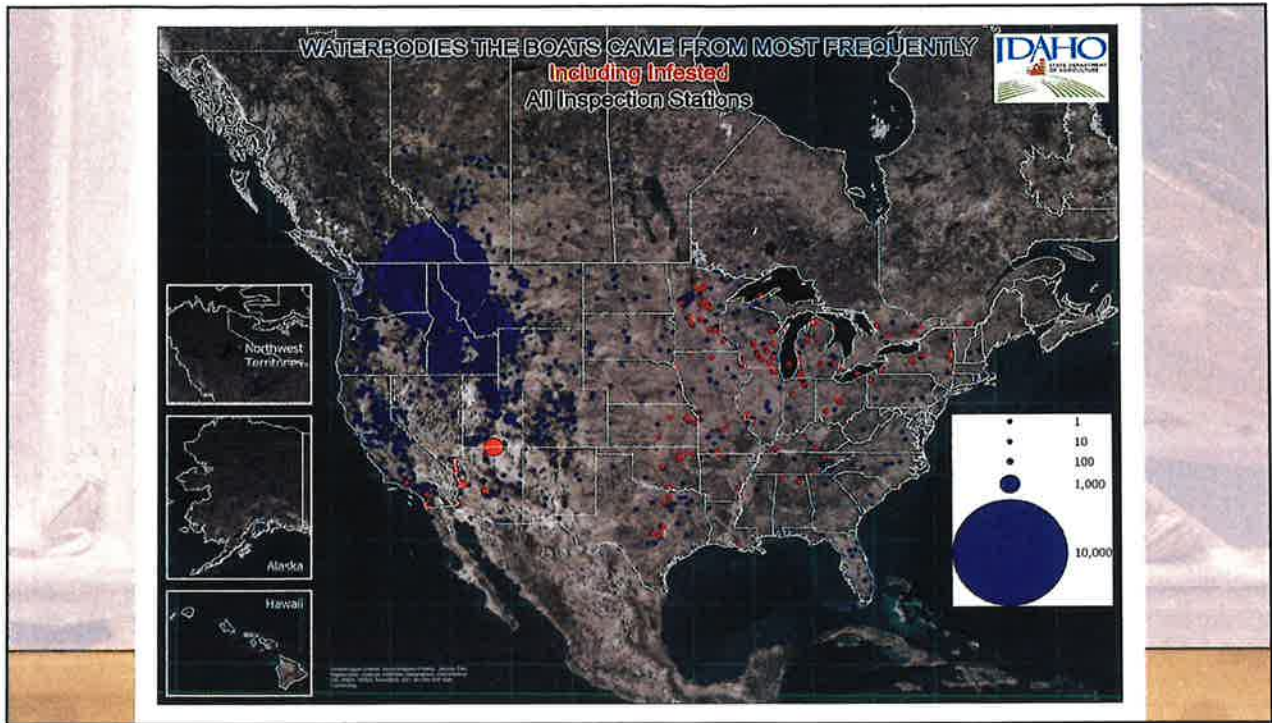
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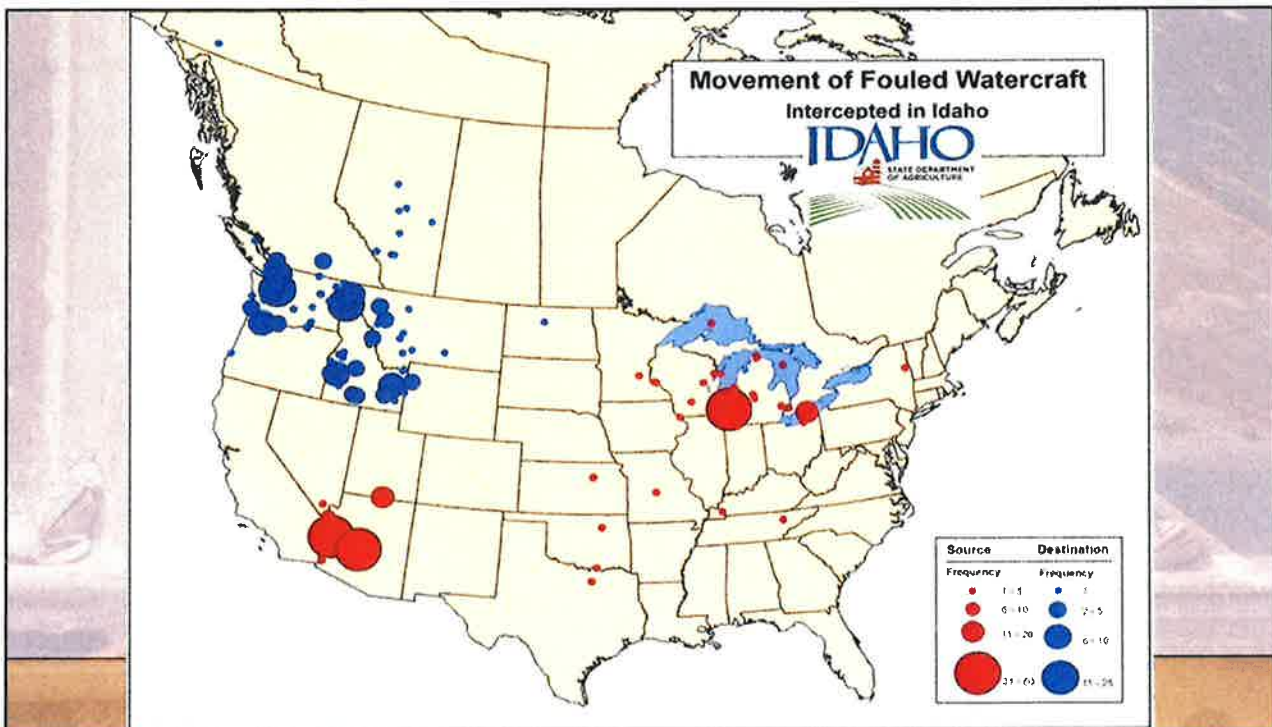
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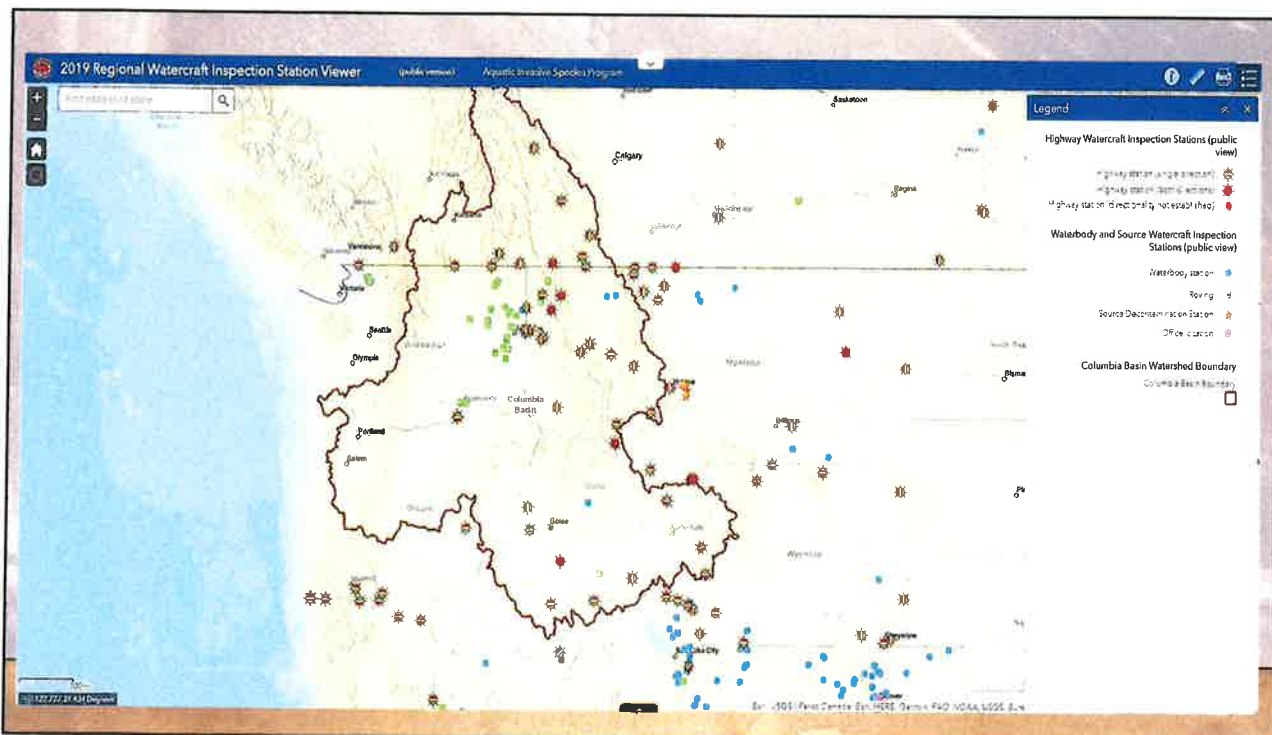
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INVASIVE SPECIES OF IDAHO

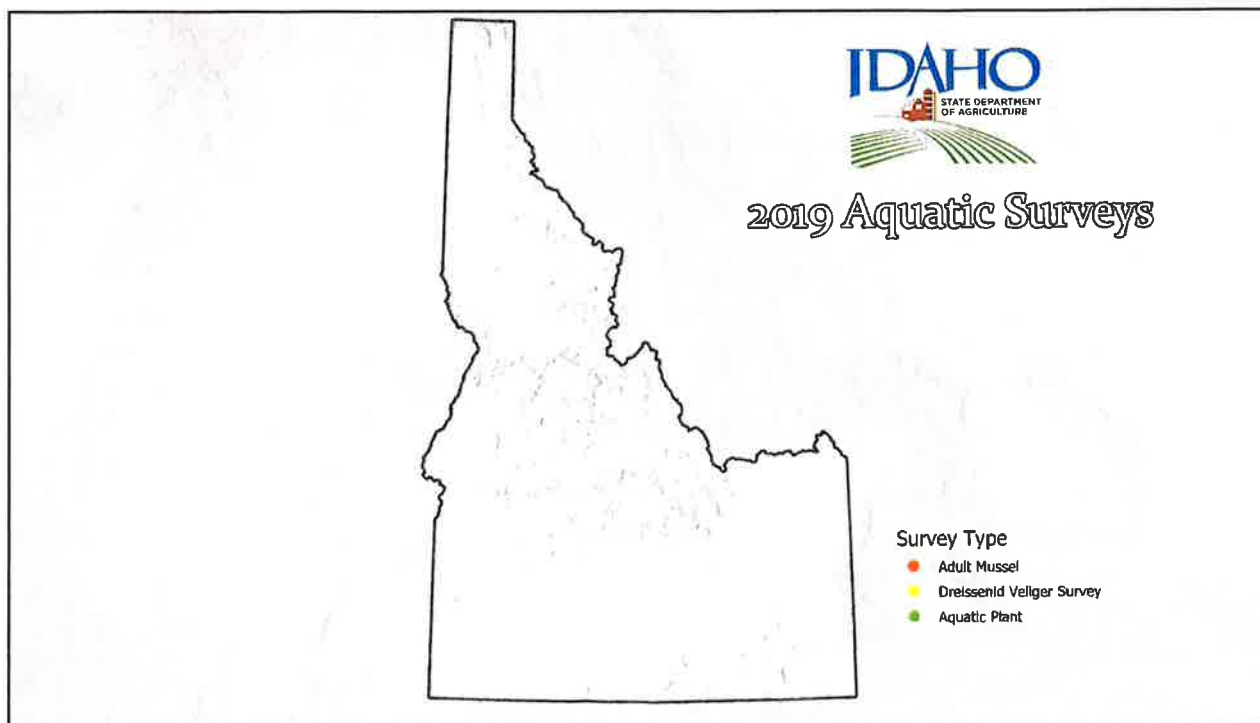
Watercraft Inspection in the West

- Several "nets" provide coverage for Idaho and Columbia River Basin
- Minimum standards- UMPS III
- Regional networking continues to improve
 - State partners
 - Regional Database
 - Transportation permits
- Information passed on to inspection station(s) & managers

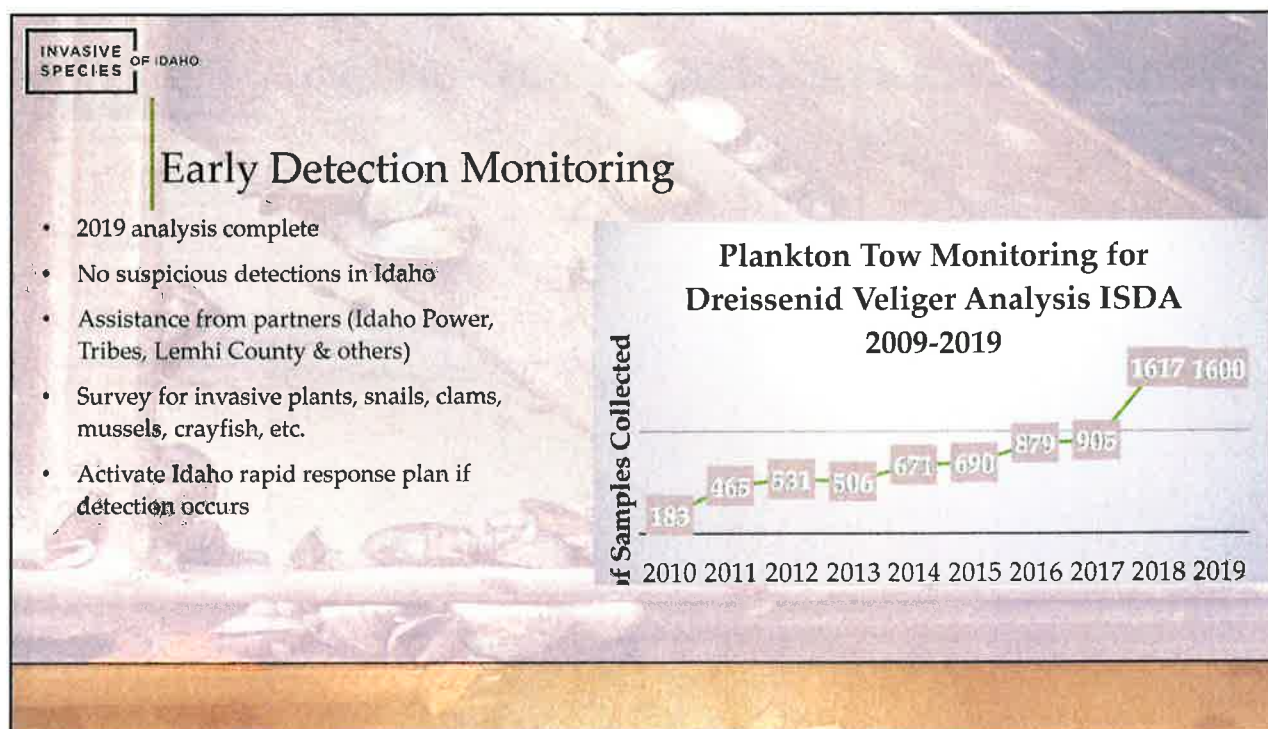
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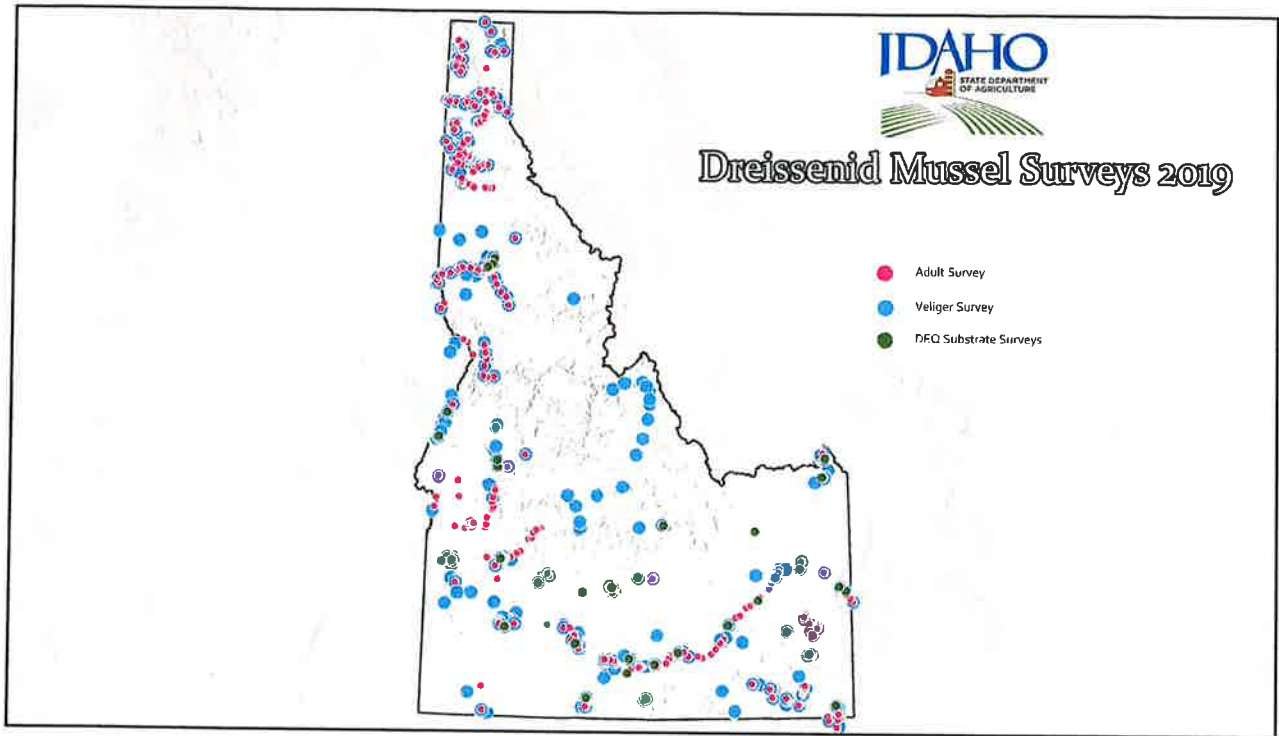
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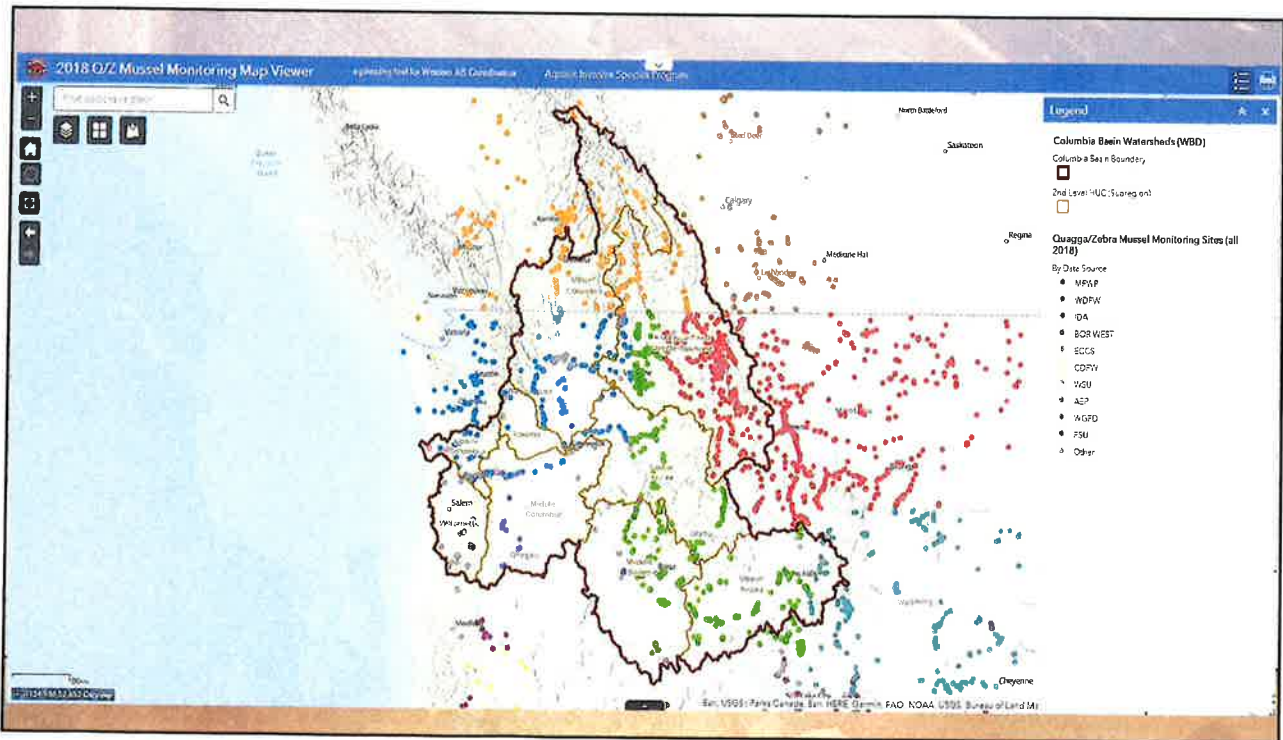
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INVASIVE SPECIES OF IDAHO

Idaho Rapid Response

- Report found here: <https://www.westernais.org/rr-plans-exercises-groups>
- Rapid response exercise – May 2019
 - Hells Canyon Complex
 - Idaho Power Company partner
 - State of Oregon
 - Nez Perce Tribe
 - US Forest Service
 - Invasive Species Action Network (facilitator)
 - Pacific States Marine Fisheries Commission
- Idaho Rapid Response Plan
 - Aligns with regional state plans
 - Aligns with Columbia River Basin Interagency Plan
 - Focuses on verification and communication
 - Learning from other states' experiences

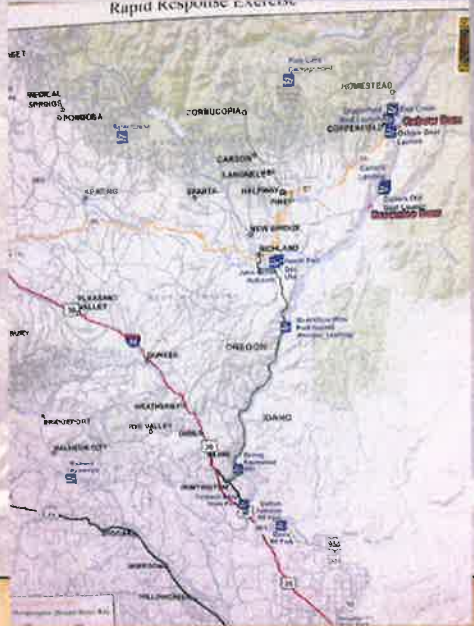


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INVASIVE SPECIES OF IDAHO

Idaho Rapid Response


- Scenario:
 - Hells Canyon Reservoir boat launch
 - Regulated by multiple dams in the surrounding area (Hells Canyon Complex)
 - Joint jurisdiction with Oregon and Idaho
 - May 20 & 21, 2019
 - Idaho Power ownership of launch area



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Idaho Rapid Response

- Containment measures:
 - Throughout the exercise ISDA and ODFW were able to source resources to hypothetically set up roadside inspections stations at pinch points leaving area.
 - Mock inspection station was established at launch by ISDA staff
- Containment measures:
 - ISDA was able to source silt curtains within other state resources
 - Explored treatment options with multiple professional applicators and supplies
 - Discussed treatment permitting
 - Source treatment supplies locally



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INVASIVE SPECIES OF IDAHO

www.invasivespecies.idaho.gov

- Invasive Species & Noxious Weeds
- Watercraft Inspection
 - Decontamination request form
- Early Detection Monitoring
- Grasshopper & Mormon Cricket Control
- Noxious Weed Free Forage & Straw
- Forms, Reports, & Publications
- Maps
- FAQs
- Laws & Rules
- Contact Information




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Noxious Weed Program

LEGISLATIVE UPDATE 2020



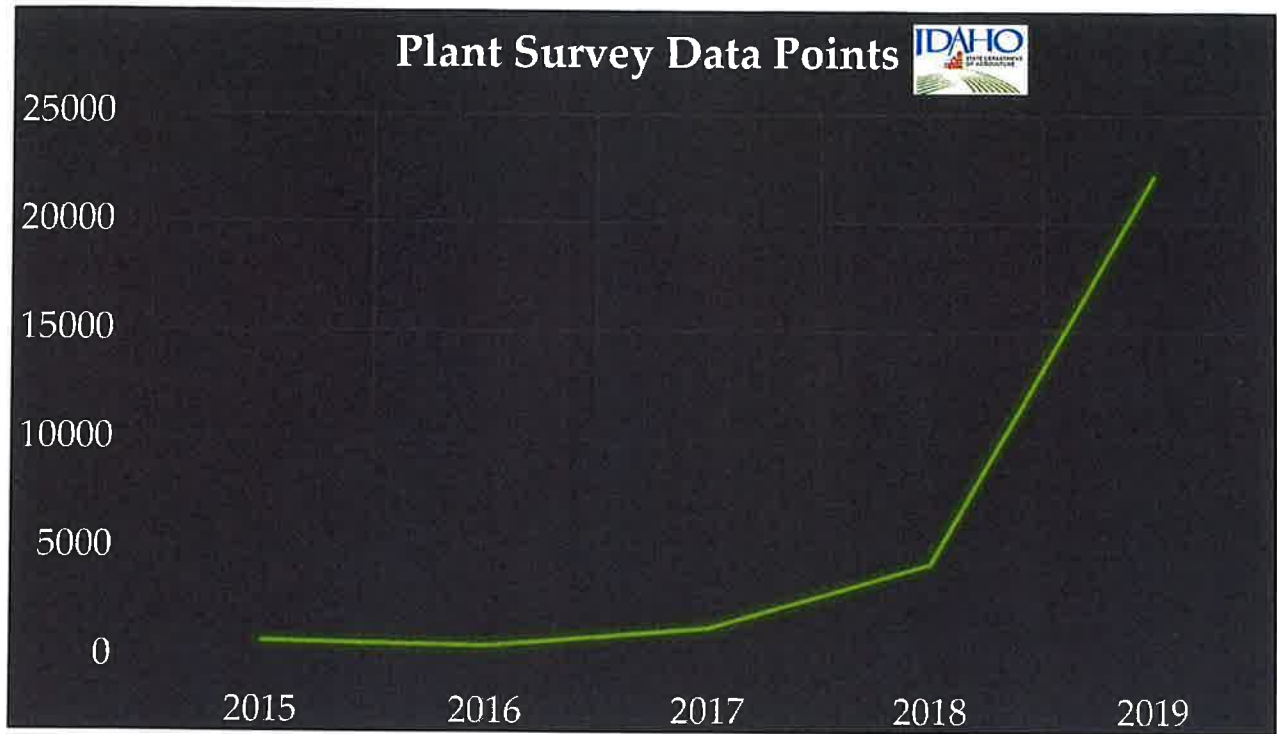
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Aquatic Noxious Weeds

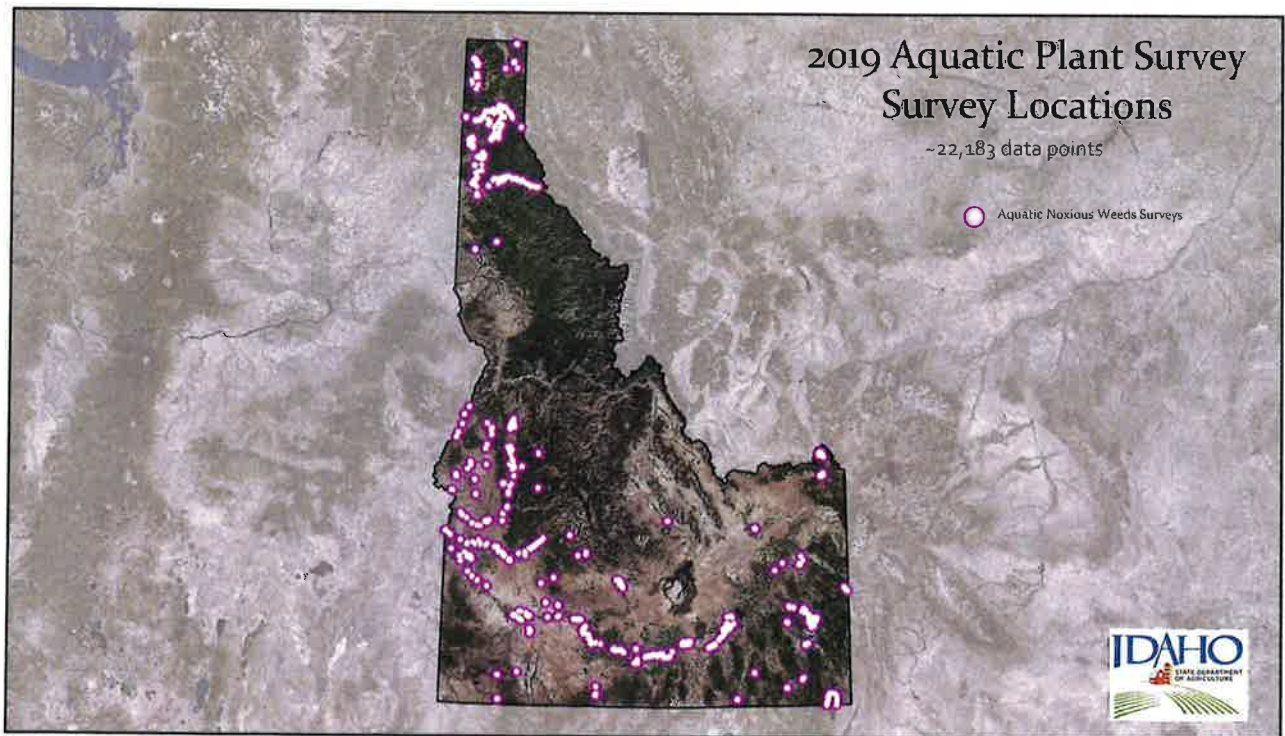
- General Update-
 - 742 Total Chemical Acres Treated
 - 12 Total Mechanical Removal Projects
 - 22,183 Total Survey Points Collected
 - 83 Total Waterbodies Surveyed



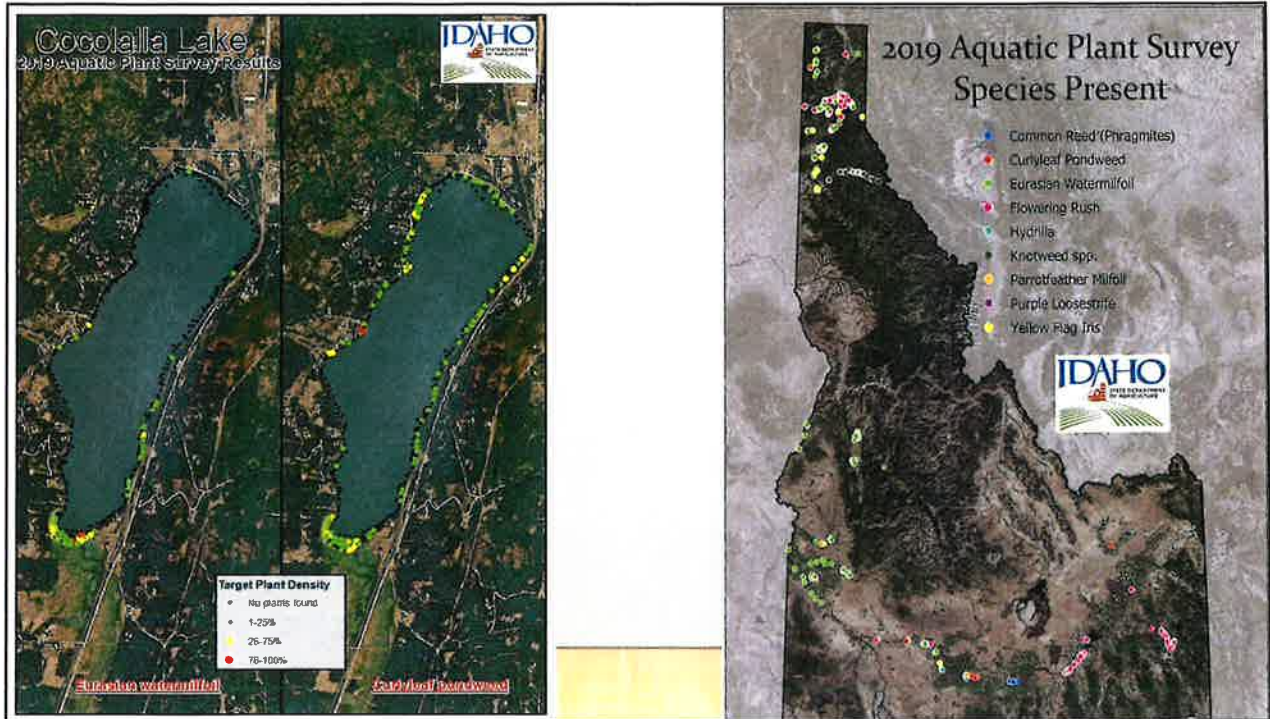
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Bear Lake

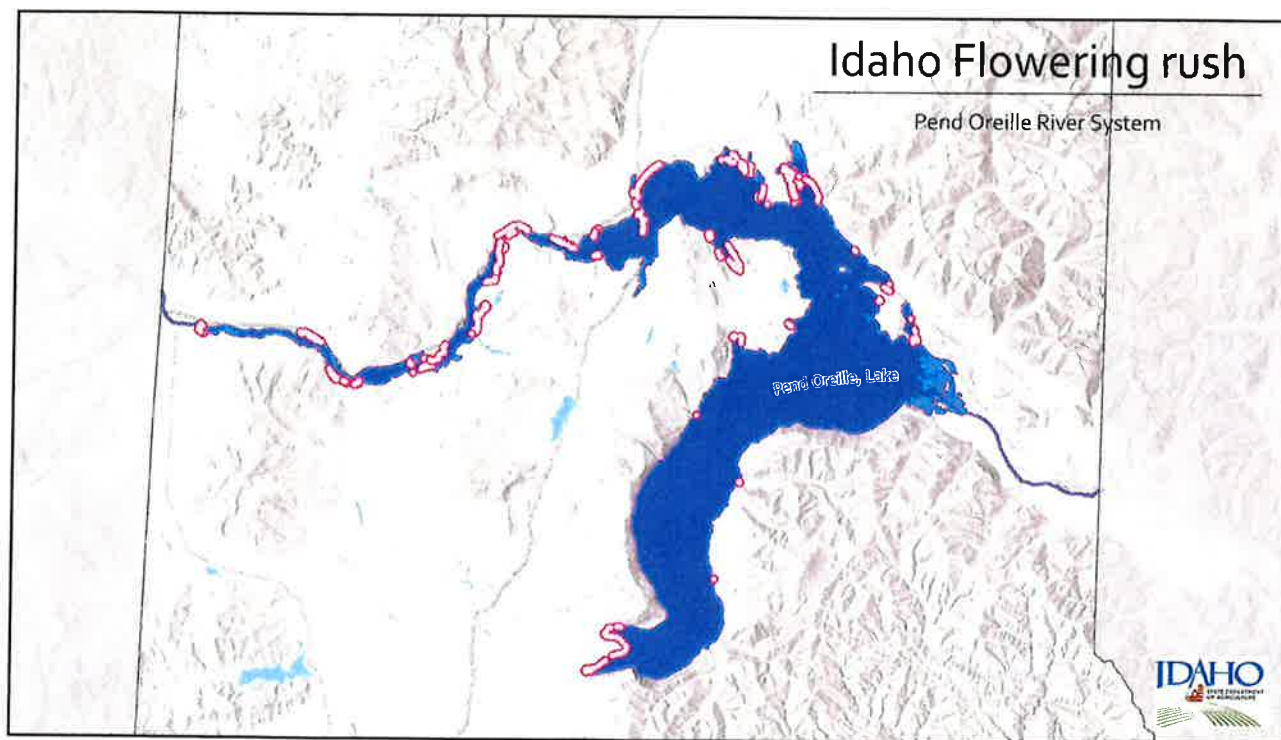
- New detection of Eurasian watermilfoil
- Mechanical removal project
- Week of September 23, 2019
- Work Performed by ISDA Staff,

IDAHO
STATE DEPARTMENT OF AGRICULTURE

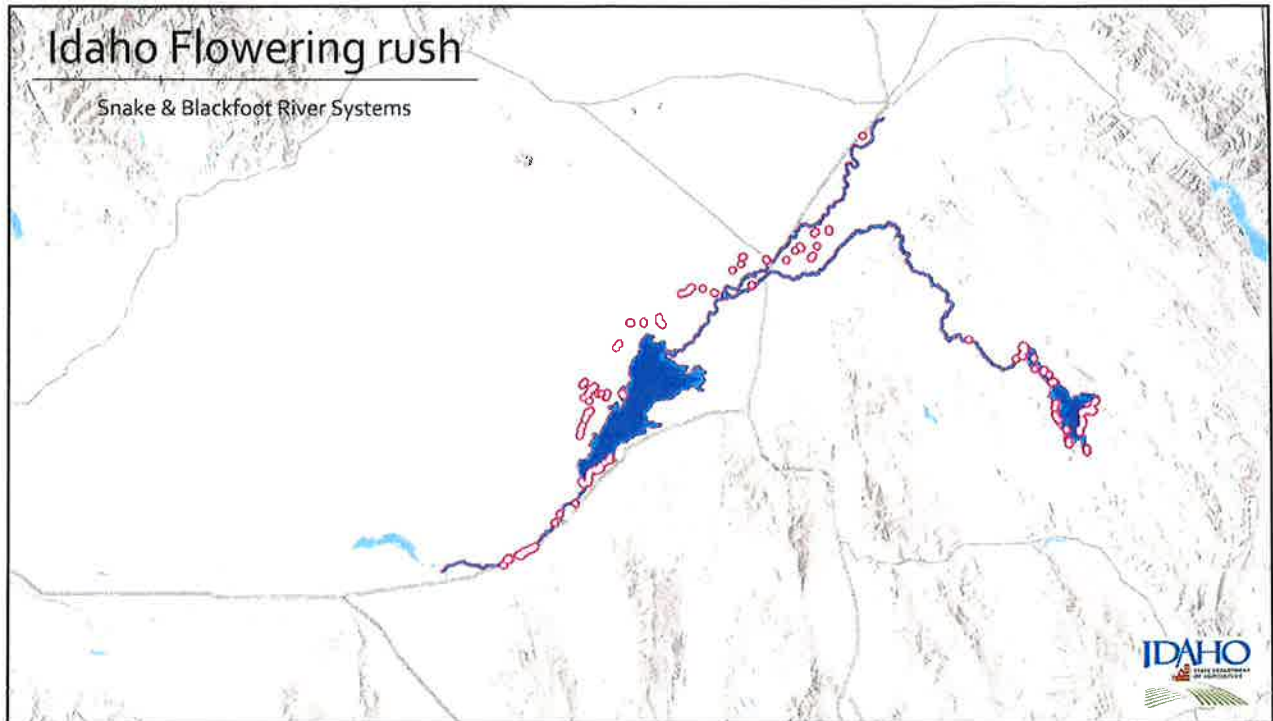
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HAYDEN LAKE SPRING TREATMENT

- 364 CHEMICAL ACRES
- CURLYLEAF PONDWEED & EURASIAN WATERMILFOIL TARGET SPECIES
- THIS AREA HAS BEEN A PROBLEM AREA
- INCREASED POPULATION DENSITIES CAUSING IMPACTS TO THE NORTH ARM OF HAYDEN LAKE

The aerial map on the right shows Hayden Lake with a yellow hatched area in the north arm labeled "400 Acres". A legend at the bottom right identifies the hatched area as "Curlyleaf Pondweed Treatment Area". The Idaho Department of Water Resources logo is in the bottom left corner.

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CWMA cost Share 2019

- Of the 33 CWMA's, 29 applied for cost share funds for the 2019 cycle
- \$1.7 million in requests submitted to the Cost Share Review Committee
- CWMA's awarded \$1.37 million
 - \$1.33 million in state funds
 - \$39,000 in federal Sage grouse funds

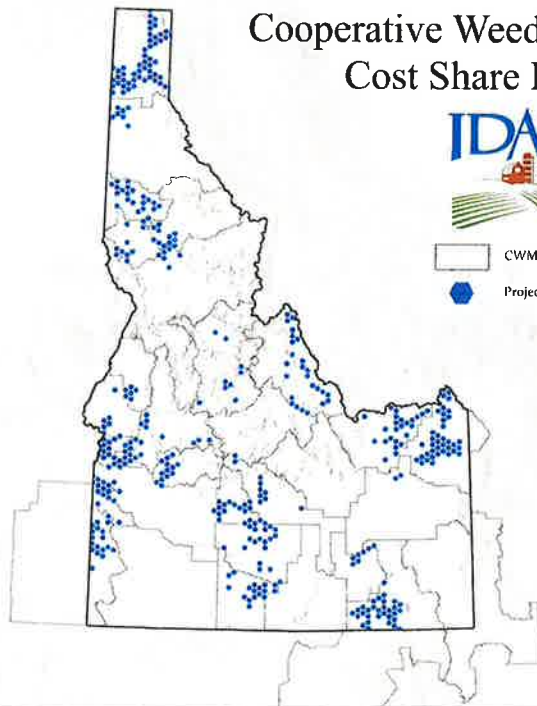


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Cooperative Weed Management Area Cost Share Projects 2018



- CWMA Boundaries
- Project Locations



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Mormon
Cricket/Grasshopper
Program 2019



Rank	County	Number of Complaints	Number of Landowners that received bait	Carbaryl Bait Distributed (lbs)
1	Owyhee	29	24	18,400
2	Washington	17	9	13,240
3	Elmore	19	16	7,320
4	Oneida	7	4	5,920
5	Kootenai	12	11	4,520
6	Franklin	17	13	4,280
7	Bonner	3	3	3,320
8	Gem	4	3	3,080
9	Blaine	5	4	3,000
10	Valley	4	3	2,760
11	Bannock	2	2	1,680
12	Boise	4	4	920
13	Lincoln	2	2	680
14	Custer	1	1	600
15-tied	Bear Lake	1	1	400
16-tied	Twin Falls	1	1	400
17	Idaho	3	3	320
18	Boundary	3	2	280
19	Adams	1	1	160
20	Camas	1	0	0
21	Bingham	1	0	0
Totals		137	107	71,280

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