Identifying Risks and Prescribing Access Enhancements

Zach Burnside, Invasive Species Program Manager

Wildlife Forever



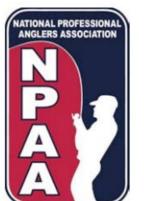




















Preventing AIS Through Modernized AIS Infrastructure

A Comprehensive Guide to Invasive Species Prevention at Public Water Access Sites A systematic redesign or retrofit process to improve a public water access site, with a focus on aquatic invasive species prevention



• Assess

 Determine your goals and site selection methods

• **C**oordinate

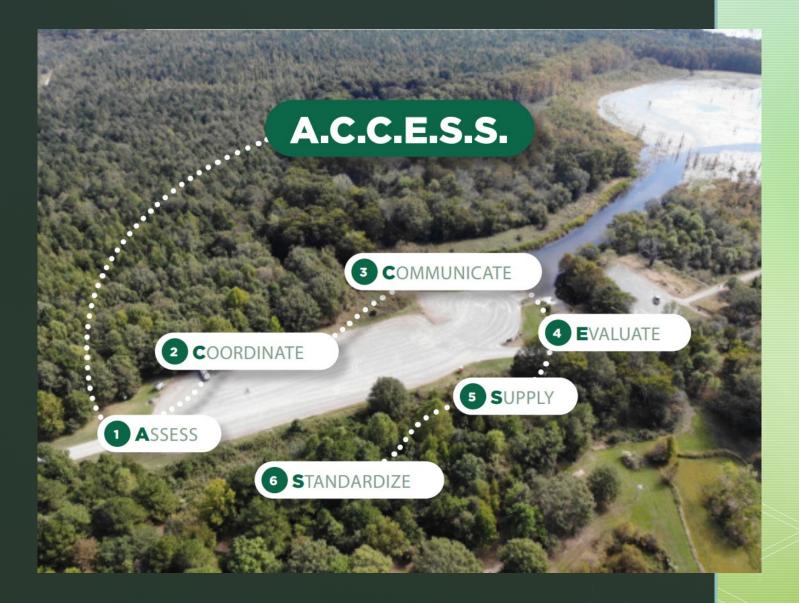
 Identify partners and administrators of the site

• **C**ommunicate

- Empower public use
- Evaluate
 - Visit the site and survey the needs

• Supply

- Equip the access with AIS prevention tools
- **S**tandardize
 - Adopt consistent AIS prevention strategies



PART 3 Case Study

Black Bayou National Wildlife Refuge: Monroe, LA – Access Enhancement



Existing Site Features

- A Reserved Parking Spaces
- B Trailered boat launch (50 hp max)
- Canoe/kayak launch
- Walking pier parking lot

Recommendations

- Install watercraft cleaning station near exit to promote outbound use without impeding inbound traffic.
- 2 Install stencil
- Install enhanced signage with cohesive messaging



Current signage at the Refuge's public water access



Add lake map next to Boating Guidelines.

 Suggest removing old Salvinia sign and put all invasive species info together here along with the CD2 panel.

Recommended signage enhancement to provide cohesive and centralized messaging

Aquatic Invasive Species Watercraft Access Analysis Pilot: Risk Assessments + Site Prescriptions

Bureau of Land Management Project Report: L22AS00240

Report prepared by: Zach Burnside, Invasive Species Program Coordinator, Wildlife Forever



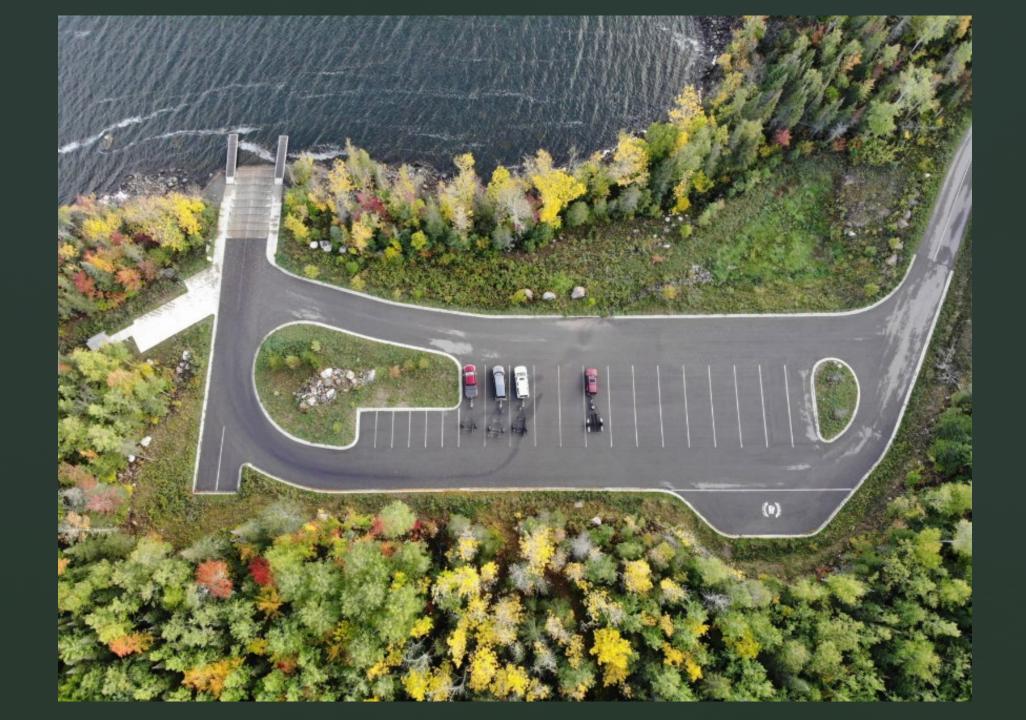




A tool designed to identify vectors of invasive species spread while recommending mitigation strategies to reduce threats.







Access Enhancement Evaluation				
Site Name: LOMA COAF LAUNCH Date: 3/10/23 Staff: Maddie Caker, IVan Atcher Access Coordinates: Ownership: Collado Parks and Wildlife Aerial Photographs taken?				
Access Site	Response	Notes		
Road Surface	Diffload	Condition?: poor fair good excellent (circle)		
Ramp Surface	Dirt/sand	V Photos taken? Sulface can became Wibldy		
Weedy Access?	(1/1/14)			
Traffic Markings	(YA)			
Does the area experience seasonal flooding?	(Mu)	When? Jan Feb Mar Apr May un Jul Aug Sept Oct Nov Dec Full o Partial? Water 1525 cally May - cally July		
# of Parking Stalls	#1. 40.	Omarked - 3 usable spots in a dirt lot		
Primary User types	Motorized Non-motorized Shoreline angless Hunters Other	Hunters, angles, rafters, and paddlcboarders frequent the area year round		
Secondary User Types	Motorized Non-motorized Shoreme sources Hunters			
Busiest times of year	UNIT	When? Jan Feb Mar Apr May Jun Jul Aug Jept Oct Nov Dec (circle) Peak capacity 50t claft/day		
Inspector present?	ND	When? Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec (circle) N/A		

Decontamination station present or available in area	(YN)	
Facilities & Accessibility	Response	Notes
Visitor Center	(Y/N)	Open year-round?
Trash cans	(Y/)	Recycling? N/A State Wildlife areas typically don't offer tash disposal
Restroom	ØN)	(105+1001V)
Cell Phone Service		¥
Electricity Available	(M)N)	Lighting?: NA
Tree Coverage?	ØN)	(Full, Some, Litle, None) Little
Prone to Vandalism	(PN)	Signoge domage known to alea
ADA Compliant	(MO)	· · · · · · · · · · · · · · · · · · ·
Colorblind Compliant	(YAC)	
User Demographics	(D ^{u)}	Primary age range: 28-25, 25-35, 45-55, 55+
		Primary Ethnicity: Variable Heavy Use by Many demographics
AIS Prevention	Response	Notes
Infested AIS	alligatorweed chinese tallow tree giant salvinia common salvinia	New Zealand Mudsmails detected upstream
*2 2 5	bydnilla water hyacinth other	in the Colorado River
Watch List AlS	alligatorweed chinese tallow tree giant salvinia common salvinia hydrilla	:
	water hyacinth other	

Grassy Point Picnic Area Georgetown Lake . 46° 10′ 58.35″ N. 113° 16′ 1.59″ W

Anaconda, MT

Georgetown Lake is a heavily trafficked water body with six developed accesses. The lake faces a current infestation of Faucet Snail and nearby threats of Curly-leaf pondweed, New Zealand mud snail, and Parrotfeather. The access is located in a particularly weedy area and is the largest access on the lake.



Grassy Point Picnic Area Georgetown Lake















CLEAN.DRAIN.DRY

Access Recommendations:

Watercraft cleaning equipment: Inbound/Outbound

- Solar powered Wayside cleaning station: CD3 systems
- Clean Drain Dry wrap .
- Stop Invasive Species wrap .
- Everyone Likes a Clean Boat wrap

 Landing Station cleaning system: MAJK Solutions Clean Drain Dry (Angler) sign

Signage: Inbound/Outbound

- Install Clean Drain Dry & educational signage at boat ramp entry
- Risk Species: Faucet snail, Curly-leaf pondweed, New Zealand mud snail, and Parrotfeather
- Signage near watercraft cleaning equipment
- Clean Drain Dry stenciled pavement markings on concrete boat ramp

Community Outreach, Prevention, & Awareness Recommendations:

Distribute Clean Drain Dry outreach materials

- Brushes, boat towels, brochures, decals, other Clean Drain Dry branded products are available at CleanDrainDry.org
- Use watercraft inspectors or volunteer outreach at local events, fairs, bait shops, visitor centers, and retailers to educate the community and distribute outreach materials.

Media & Marketing

- Deploy Clean Drain Dry outreach campaign
 - · Streaming ads, outdoor billboards, gas stations, social, radio, print ads
 - Targeted social media: Facebook and Instagram ads
 - Geofenced digital web and mobile device ads
 - Target users who have visited certain areas. Setting up digital fences around this access and others around it allow us to target users continually.







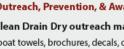




Anaconda, MT





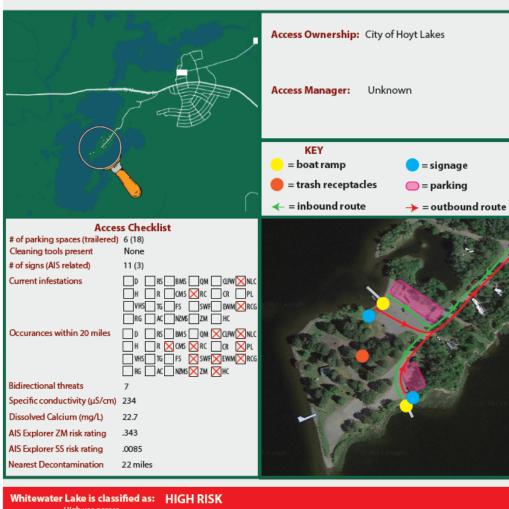






Whitewater Lake Public Water Access Site

Whitewater Lake | 47°30′17.8″N, 92°10′17.9″W



- Due to High use access
 - Several local infestations
 - Limited access to mitigation

Whitewater Lake Public Water Access Site









Access Recommendations:

Watercraft cleaning equipment: Inbound/Outbound



Hoyt Lakes. MN

- Solar powered Wayside cleaning system: CD3 Systems
 - Clean Drain Dry wrap
 - Aqua Weed Stick
 - Extendable Brush
 - Plug wrench
 - Pressurized air hose
 - Vacuum

Signage: Inbound/Outbound

- Install Clean Drain Dry & Educational signage at access entry
 Risk Species:
 - Chinese mystery snail, Curly-lead pondweed, Purple loosestrife
- Signage near watercraft cleaning equipment
 - · Describes how and why to use cleaning equipment

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 - Target users who have visited certain areas. Setting up digital fences around this access and others around it allow us to target users continually.





Hoyt Lakes, MN





Themes nommo

AIS Signage was not present

AIS prevention tools and cleaning stations were not present

Watercraft inspectors were not stationed

AIS decontamination was not available

All sites were within 10 miles of AIS

Waysides

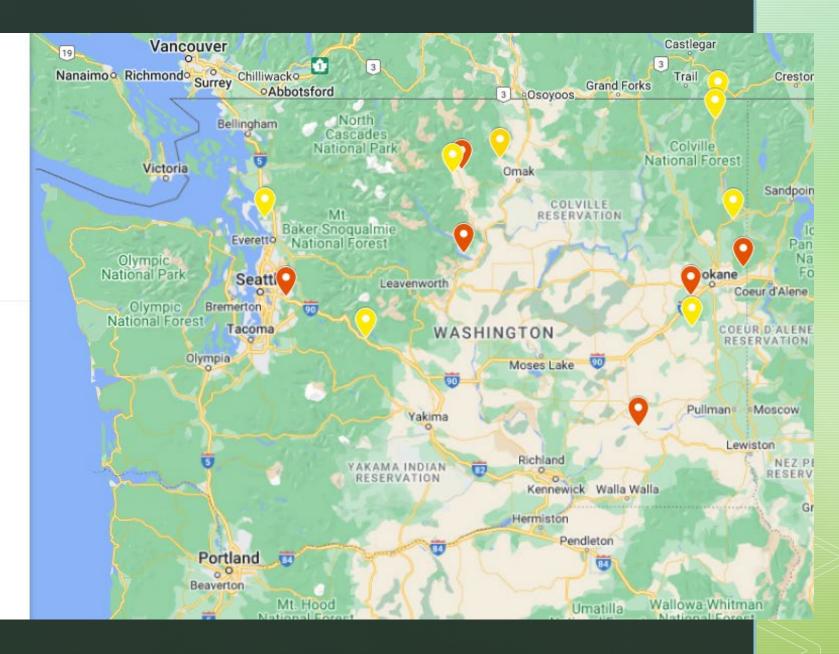
- Q Lyons Ferry State Park
- 💡 Lake Chelan Manson Public Access
- 💡 Pearrygin Lake State Park
- Silver Lake Public Access
- 💡 Lake Sammamish State Park
- Newman Lake
- \checkmark

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😔 Badger Lake

Roadsides

- Boundary Dam Forbey Rec Area
- Conconully Lake
- 💡 Diamond Lake
- 💡 Lake Easton
- Lake Goodwin Snohomish County
- Metaline Public Boat Launch
- Patterson Lake















CD2 CATALOG



All Products

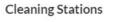
Outreach







AIS Prevention Tools



Clean.Drain.Dry. Kits

VADERS

Education Materials

Posters & Signage



Public Service Announcements



Stop Aquatic Hitchhikers!

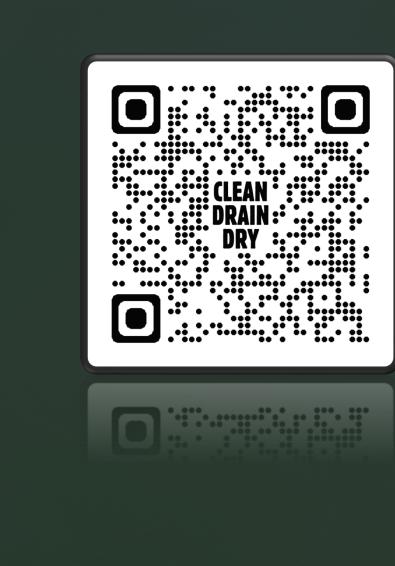




Watercraft Inspection Materials

Display + event materials

Large Format





THANK YOU!

Zach Burnside, ZBurnside@WildlifeForever.org

