# **REGIONAL AQUATIC INVASIVE SPECIES (AIS) WORKSHOP**

Planning Division and Operations Division, Walla Walla District

Date: November 5<sup>th</sup> -7<sup>th</sup>, 2024

**Outline Agenda** 

https://www.nww.usace.army.mil/Missions/Environmental-Compliance/Pacific-Northwest-Regional-Aquatic-Invasive-Species-Workshop/

\*Presentation Time Slots half of the time is presentation and other half of the time is for discussion and questions.

Webex Link for Meeting: <u>https://usace1.webex.com/meet/damian.j.walter</u> | 1995605785

Day 1 of AIS Workshop - Tuesday November 5, 2024

Walla Walla Community College Water Resources Center 640 Water Center Dr. Walla Walla, WA 99362

#### Theme: What is the Issue

Time	Торіс	Intent
(pacific)		
0745	Start Time	
0745-0815	Welcome & Introductions from hosts	Introductions
	Chris Alford (USACE Walla Walla District)	
0815-0845	Opening Remarks from the Walla Walla	
	District Commander	
	LTC Kathryn Werback, Commander	
	USACE Walla Walla District	
0845-0915	Intent of the Meeting-	- Sharing and working towards
	The Aquatic Invasive Species (AIS)	building consensus for AIS
	problem	management in the Pacific
	USACE Engineering, Research, Design	Northwest among the federal and
	Center (ERDC)	tribal family.
	USACE Walla Walla District Staff	
0015 0045	Herizen plenning HEAD Disessurity	Llow do we plan and model AIC
0915-0945	Dr. Therese Them USEW(S Deviced A)	How do we plan and model AIS,
	DI. Meresa Mom-OSEWS-Regional AIS	
0045 1000	Brook	
1000 1100	Diedk AIS Diek Analysis and Diek Mitigation	What is lest by the offects of AIC
1000-1100		what is lost by the effects of AIS
	Dr. Theresa Thom-USFWS-Regional AIS	
	Coordinator	
1100-1200	FORUM: Open Discussion on AIS risks.	Forum : What is the NW Issue-
	concerns, action for AIS already hear and	perceptions on AIS, taking action.
	what might or can get here?	economics, impacts to
		Environmentally and Culturally
		Sensitive and Critical Habitat.
1200-1300	Lunch	
	WWCC Cafeteria or other local food services	
	nearby.	

	Intro to afternoon sessions.	
1300-1400	<b>Application Planning and Monitoring</b> Dr. Ben Sperry, ERDC and Univ. of Florida, Research Biologist	How can we monitor or plan for future to reduce infestations?
1400-1500	Conventional AIS management methods ERDC Dr. Ben Sperry-ERDC Dr. Nathan Harms (biocontrol)-ERDC, Senior Research Biologist Dr. Jay Ferrell- Univ. Of Florida, Professor and Chair	Discuss Pros and Cons of Mechanical, Chemical, Biological control methods
1500-1510	Break	
1510-1605	The Science behind it-ERDC and APM research Dr. Kurt Getsinger, ERDC, Research Biologist	Steps of Research and then into the field (Registration, Label, etc. etc.)
1605-1655	Parking lot topics and Open discussion on AIS	Ideas: Aquatic Invasive Plants vs. Aquatic Native Plants AIS plants are critical habitat or provide some level of habitat.
1700	Review Agenda for tomorrow	

# Day 2 of AIS workshop – Wednesday November 6, 2024

USACE Walla Walla District Office – Harvest Room 201 N 3<sup>rd</sup> Ave, Walla Walla, WA

### Theme: How do we manage AIS?

Time	Торіс	Intent
0745	Start Time	
0745-0800	Welcome message by US Army Corps of Engineers Northwest Division Beth Coffey, Director of Programs USACE Northwest Division	
0800-0900	Environmental Fate of Herbicides Dr. Jay Ferrell-Univ. of Florida	Herbicide degradation and movement. EPA risk assessment process for pesticide registration & specifically aquatics.
0900-1000	Maintenance Control, Size of Treatments and timing of Treatments Dr. Jay Ferrell- Univ. Of Florida, Dr. Bradley Sartain, ERDC, Research Biologist Dr. Kurt Getsinger	Using less herbicides and performing less actions early, versus more later. Ecologically and Economically Not seeking a routine O&M herbicide and mechanical AIS treatment program.

		<ul> <li>Strategy is to bring native species back.</li> <li>Support native species establishment.</li> <li>Reduce long-term suppression needs for AIS.</li> </ul>
1000-1100	Aquatic Plant Management: Myths Dr. Sperry	Fish Kills, Fish Sores, Sediment, Plant Ecology, other myths
1100-1200	Dissolve Oxygen (DO) and Biological Oxygen Demand (BOD) impacts after treatment(s). 1 hour Discussion/panel topic a. <u>DO and BOD work in PNW</u> . Dr. Getsinger & Dr. Sartain. b. <u>DO and BOD work across</u> the nation (warm water <u>systems)</u> -Dr. Sperry and Dr. Ferrell.	Short presentation on various work performed on DO and BOD researchers. Open forum discussion
1200-1300	Lunch: Nearby in downtown Walla Walla, WA	
1300-1400	Discussion on Quagga Mussel Response in Twin Falls. Damian Walter and Jonas Grundman	Issues, Concerns, Comments, by attendees
1415-1630	Breakout Session: NEPA, ESA, NHPA (Section 106) Representatives Grande Rhonde Room Facilitators: Karl Anderson, Karen Kelly, USACE	Challenges with ESA Consultations Discuss recent challenges on federal coordination on NEPA
1415-1630	Breakout Session: Indigenous Knowledge contributions to invasive species management Harvest Room Pei-Lin Yu, Tribal Liaison USACE	Share and learn about traditional knowledge and principles for controlling invasive species from a tribal perspective, including recent successes, challenges, and recommends.
1630-1700	All back in Harvest Room	

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Day 3 of AIS Workshop – Thursday November 7, 2024 Walla Walla Community College Water Resources Center 640 Water Center Dr. Walla Walla, WA 99362

0800-0900	AIS treatment and juvenile salmonid	Progressive modeling to assess
	exposure modeling & ZQ Mussel	AIS impacts and exposure within a
	establishment modeling for McNary Adult	run of the river reservoir.
	Fish Ladder	
	Dr. David Smith, ERDC, EcoHydraulics	
0900-1000	Recap from Breakout Sessions	Summarize what was discussed in breakouts.
		Did we capture everything?
		a. Due-outs and tasks.

		b. Who is assigned or POC lead. Open discussion on additional topics, subjects, research for future presentations, data gaps (known or perceived), etc.
1000-1015	Break	
1015-1045	USGS monitoring results from the 2023	Water, sediment, and benthic
	Snake River quagga response.	macroinvertebrate sample analysis
	Austin Baldwin, USGS, Research Hydrologist	for copper from 2023 response.
1045-1145	Data and Discussion for future meeting(s).	1) Next steps, what, when, where?
	Topics/Subjects for if future meeting	2)What to Share, for staff, to
		present to their leadership.
1145-1200	Closing Remarks	
	Damian Walter	
1200	Adjourn	