

Update: Northwest Regional Northern Pike Coordination Forum (NRNPCF)

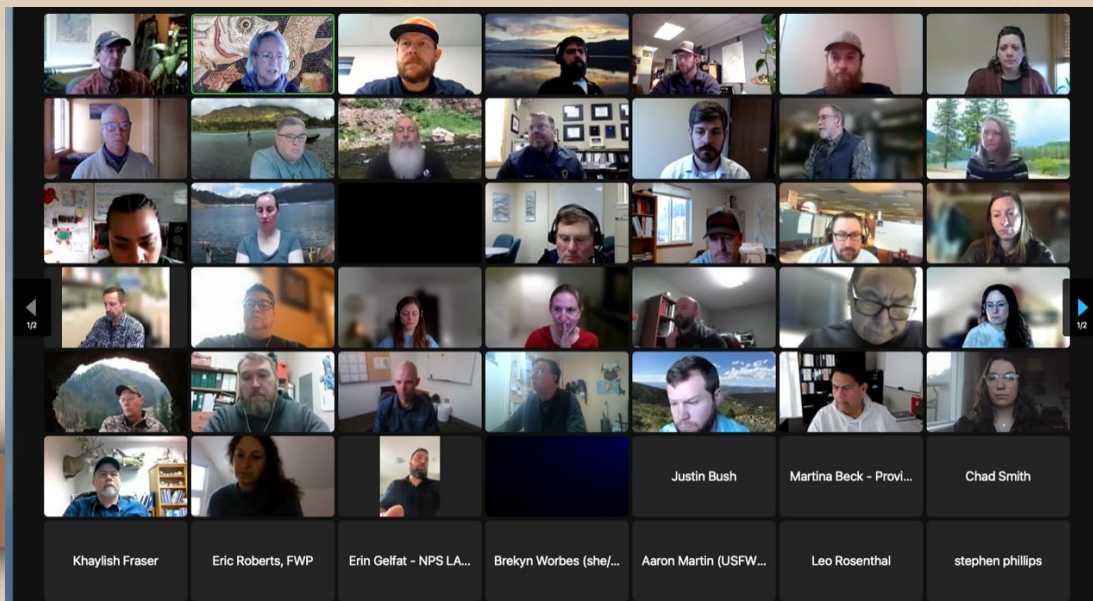
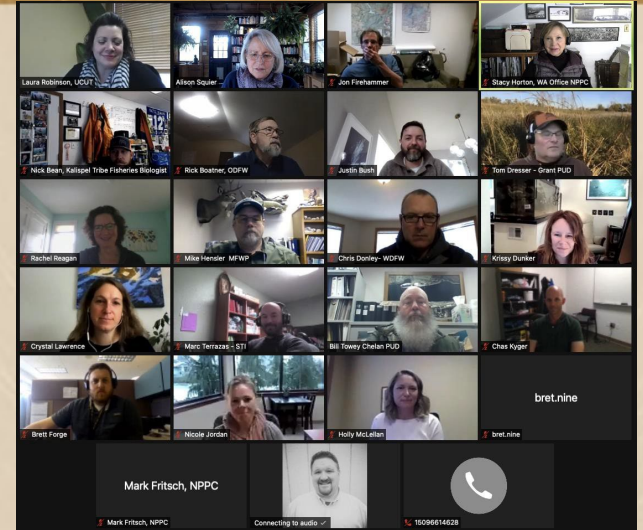


Laura Robinson, UCUT Policy Analyst

laura@ucut-nsn.org

*Columbia Basin Aquatic Invasive Species Team
Meeting, June 2023*

Faces of the NRNPCF



Activities of the NRNPCF

2021

February:
Kick-off meeting

August:

- Identified priorities:
 - **Clarify mission statements**
 - Develop information hub
 - Define and develop rapid response plan(s)

November:

- **Completed 1st draft mission statements**
- Deep dive information hub
- Information sharing
- Priorities check-in

April:

- Status review – what people are/aren't doing
- **What does group want to accomplish?**
- Are the right people here?

September:

- Information sharing
- Information hub discussion
- **Mission statements discussion**
- Rapid response resources review

December:

- **Mission statement refinement**
- Policy group discussions
- Information sharing



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Activities of the NRNPCF

2022

January:

- Mission statements finalized
- Policy group discussion
- **Information sharing**

October:

- **Information hub** wrap-up discussion
- Policy group discussion
- Early 2023 larger meeting preliminary planning
- **Information sharing**

July:

- Colville Tribes' **Rapid Response Plan** overview
- WDFW Rapid Response Plan update
- **Information sharing**



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Activities of the NRNPCF

2023

January:

- 2023 workplan/activities planning
- February 2023 meeting planning
- Information sharing

March:

- Update Meeting debrief
- 2023 Workplan progress
 - Education and outreach
 - Technical support
 - Coordination
- Information sharing

February:

Northwest Regional Northern Pike
Coordination Forum **Update Meeting**

2023 workplan activities:

- ✓ Outreach events for the general public and anglers
- ✓ Co-presentations at fish and wildlife conferences
- ✓ Support the development of rapid response plans
- Educate and train-up folks preparing for Northern Pike suppression
- ✓ Host a regional update meeting



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Public outreach event in Wenatchee





RIDGETOP 2 RIVER

How Rivers Work

UNDERSTANDING OUR WATERSHED, TOP TO BOTTOM

HEADWATERS

In North Central Washington, our snow is our water.

WORKING FORESTS

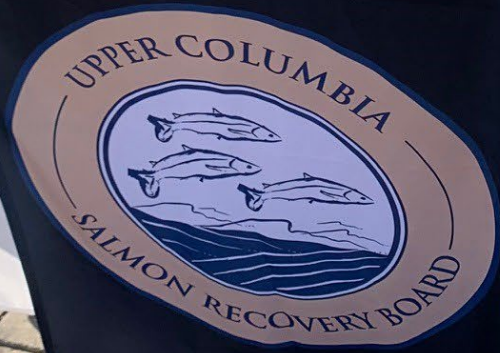
Forests provide jobs and wood products for people, and essential structure and nutrition for rivers.

PRODUCTIVE RIVERS

Productive rivers provide water, habitat, and energy.

WHERE IT ALL COMES TOGETHER

THIS IS SALMON COUNTRY.



Stop the spread of invasive No

WATERCRAFT CLEANING STATION



Presentation at 2023 Salmon Recovery Conference



SALMON RECOVERY
CONFERENCE

A Shared Future



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*Northern Pike
Prevention and
Suppression
through
Collaboration*



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Laura Robinson, UCUT Policy Analyst

laura@ucut-nsn.org

Salmon Recovery Conference, 2023

Support development of RRP's

FW: ACTION REQUESTED | Review and Comment | State of Washington Interagency Rapid Response Plan for Northern Pike

PA Pleus, Allen E (DFW) <Allen.Pleus@dfw.wa.gov>
To: ● Andrew Gingerich; ● Andy Duc; ● Ashton Harp; ● Baker, Bill P (DFW); ● Bill Towey; ● Blaine Parker; ● Brent Nichols; ● Bret Nine; ● Hurst, Charlene N (DFW); ● Chas Kyger; ● Donley, Christopher (DFW); ● Chris Mott; ● Lee, Charles D (DFW); ● Crystal Lawrence; ● 35 others
Cc: ● Woods, James R (DFW); ● Witzhusen, Fran (NWIFC); ● Jackson, Chad S (DFW); ● Bosworth, Aaron (DFW); ● Calomile, Steve J (DFW); ● Bush, Justin (RCO); ● Alison Squier
1 You forwarded this message on 6/2/2023 11:38 AM.
Wed 5/24/2023 9:59 AM

Northwest Regional Northern Pike Forum Technical Working Group

Good afternoon,

The Washington Department of Fish and Wildlife (WDFW) and Washington Invasive Species Council are in the process of developing a State of Washington Interagency Rapid Response Plan for Northern Pike *Esox lucius*. We are requesting your feedback on the draft plan. The plan can be downloaded from <https://wdfw.wa.gov/sites/default/files/2023-05/draft-state-washington-interagency-northern-pike-rapid-response-plan.pdf>.

Please provide your comments and feedback on the document to Jesse Schultz at jesse.schultz@wdfw.wa.gov no later than 4:00 p.m. PDT on Monday, June 12, 2023. We value your feedback and appreciate your time.

Background

The Northern Pike *Esox Lucius* is a prohibited non-native aquatic invasive species (AIS) that has invaded multiple habitats within the State of Washington. More information is available on WDFW's species webpage. Northern Pike are highly piscivorous, can live over 20 years, and can grow to over 45 pounds. They mature at 2-3 years of age, are highly fecund, and can consume substantial quantities of native salmonids, causing substantial declines in prey populations. Northern Pike also have broad physiochemical tolerances allowing them to invade waterbodies with a wide range of water quality conditions. Given their population dynamics and physiology, it is likely that Northern Pike will eventually expand their distribution into waters throughout the State of Washington. Areas that are at especially high risk of invasion, due to proximity to currently established populations, include portions of the Columbia River downstream of Grand Coulee and Chief Joseph dams and waterbodies connected to Lake Washington. Minimizing negative impacts of Northern Pike where they are currently established and preventing further spread within the State of Washington are high priorities. Impacts to these populations could have dramatic deleterious ecological, cultural, and socioeconomic effects.

Plan Purpose

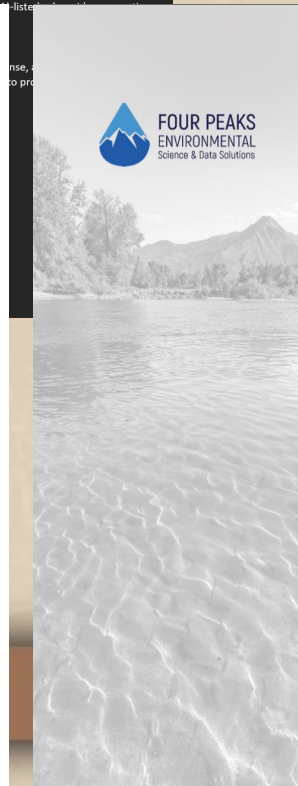
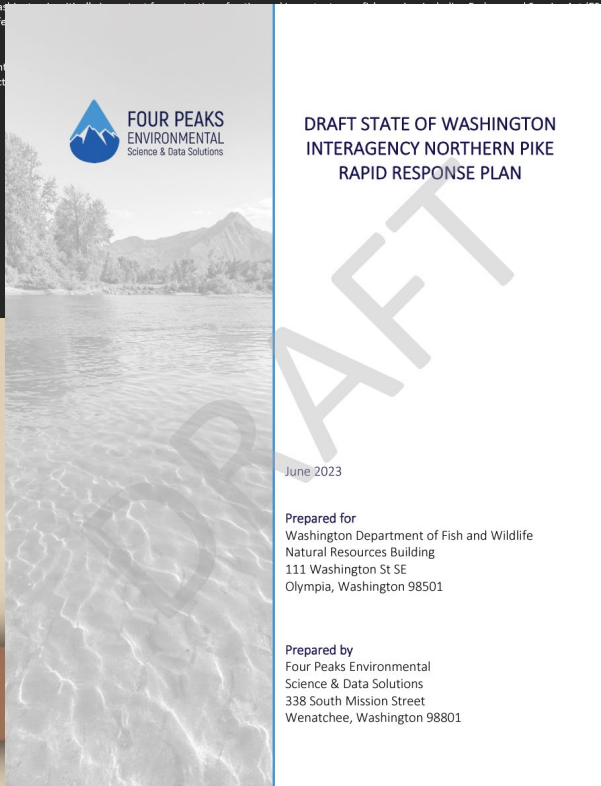
The purpose of the Interagency Northern Pike Rapid Response Plan is to provide a coordination document for agencies and organizations that have jurisdiction over the plan. These efforts are necessary to minimize environmental, economic, and cultural resource impacts on gamefish species.

Sincerely,

Allen Pleus
Washington Department of Fish and Wildlife
Aquatic Invasive Species Unit Manager
European Green Crab Incident Commander
360-867-8441
Allen.Pleus@dfw.wa.gov

&

Justin Bush (He/Him)
Executive Coordinator | Washington Invasive Species Council



NORTHERN PIKE RAPID RESPONSE PLAN FOR THE COLUMBIA RIVER BETWEEN PRIEST RAPIDS AND CHIEF JOSEPH DAMS AND THE OKANOGAN RIVER

October 2022

Prepared for
The Confederated Tribes of the Colville Reservation
258 Mission Road
Omak, Washington 98841

Prepared by
Four Peaks Environmental Science & Data Solutions
338 South Mission Street
Wenatchee, Washington 98801



NRNPCF Regional Update Meeting, Feb 2023

AGENDA

Update on Invasive Northern Pike in the Pacific Northwest

Hosted by the Northwest Regional Northern Pike Coordination Forum

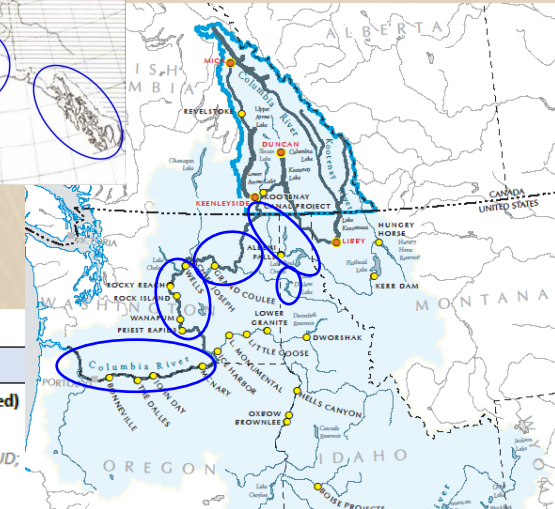
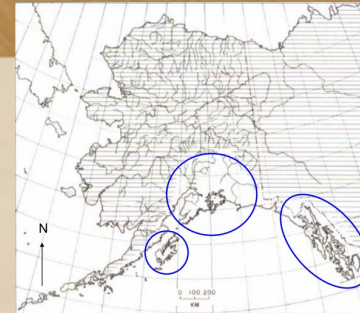
Online Meeting – February 13, 2023
9:00 AM to 2:00 PM Pacific



Meeting ID: 847 0492 3903
Passcode: 712474

Phone back-up:
253 215 8782 US (Tacoma)
669 900 6833 US (San Jose)

Time	Topic
9:00 AM	Welcome and meeting overview <i>Alison Squier, Ziji Creative Resources, Inc.</i> Northwest Regional Northern Pike Coordination Forum <i>Laura Robinson, Upper Columbia United Tribes</i>
9:30 AM	Part 1: Invasive Northern Pike monitoring, suppression, and eradication Kalispel Tribe's Northern Pike management in the Pend Oreille River in Washington <i>Nick Bean, Kalispel Tribe</i> Northern Pike management in the Pend Oreille River in British Columbia <i>Ross Zeleznik and Evan Smith, Okanogan Nation Alliance</i> The Coeur d'Alene Tribe's localized Northern Pike suppression efforts in Coeur d'Alene Lake in Idaho <i>Jon Firehammer, Coeur d'Alene Tribe</i> Question and answer round
10:30 AM	Break
10:45 AM	Part 1: Invasive Northern Pike monitoring, suppression, and eradication (continued) Collaborative Northern Pike management in Lake Roosevelt in Washington <i>Shay Jasper-Wolvert, Colville Confederated Tribes; Marc Terrazas, Spokane Tribe of Indians; Chuck Lee, Washington Dept. of Fish and Wildlife</i> History of Northern Pike in Idaho's Lake Pend Oreille and future plans <i>Ryan Hardy, Idaho Dept. of Fish and Game</i>



Topic

Part 1: Invasive Northern Pike monitoring, suppression, and eradication (continued)

Douglas, Chelan and Grant Public Utility Districts Northern Pike status update (Washington State)
Chas Kyger, Douglas County PUD; Bill Towey, Chelan County PUD; Tom Dresser, Grant County PUD

Management of Northern Pike in Alaska
Krissy Dunker, Alaska Dept. of Fish and Game

Question and answer round

Break

Part 2: Monitoring and preventing expansion

Plan for Northern Pike Rapid Response in the Columbia River downstream of Chief Joseph Dam to Priest Rapids Dam and the Okanogan River
Erika Rubenson, Four Peaks Environmental Science & Data Solutions

Washington State's Northern Pike Rapid Response Plan Development
Erika Rubenson, Four Peaks Environmental Science & Data Solutions

Columbia River Inter-Tribal Fish Commission's eDNA monitoring and coordination
Blaine Parker, Columbia River Inter-Tribal Fish Commission

Question and answer round

1:30 PM Part 3: Interactive question and discussion

Open questions and discussion with participants, closing thoughts and survey

2:00 PM Adjourn



Access information on the UCUt website



About ▾ Member Tribes ▾ Projects ▾ Contact ▾ Salmon Reintroduction ▾ 

Projects



Northwest Regional Northern Pike Coordination Forum (NRNPF)

FISH, NORTHERN PIKE

In 2021, the Upper Columbia United Tribes began hosting the Northwest Regional Northern Pike Coordination Forum (NRNPF), which is a space to share information and collaborate with other fisheries managers, researchers, and the general public on Northern Pike information, management strategies, and actions. Check back to this webpage for the latest information from this group.



ucut.org/fish/northwest-regional-northern-pike-coordination-forum/

View the 2023 Regional Update

Contacts:

Alison Squier
NRNPCF facilitator

alison@zijicreativeresources.com
208.367.9366

Laura Robinson
UCUT Policy Analyst

laura@ucut-nsn.org
509.209.2411

In February 2023, the NRNPCF hosted the Update on Invasive Northern Pike in the Pacific Northwest meeting, the recording of which can be found below along with Individual presentation documents from the meeting. Please refer to the timestamp document if you wish to skip to specific presentations in the recording.

From The
Meeting:

[→ Watch Meeting](#)

[→ View
Presentations](#)

[→ Timestamp
Document](#)



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ucut.org/fish/northwest-regional-northern-pike-coordination-forum/

General Northern Pike Info

United States | Resources

WA Invasive Species Council

- [General website](#)
- [Story Map](#)
- [Monitoring Data](#)
- [Download the WA Invasives mobile app](#)

WA Department of Fish and Wildlife

- [Northern Pike Invasive Species Information](#)

Upper Columbia Salmon Recovery Board

- [Northern Pike Resources](#)
- [UCSRB Podcast on Northern Pike:](#)
- [Spotify](#) | [SoundCloud](#)

Kalispel Tribe Natural Resources

- [Kalispel Natural Resources Department](#)
- [Northern Pike Removal Project](#)

Coeur d'Alene Tribe

- [Implementation of Fisheries Enhancement Opportunities on the Coeur d'Alene Reservation Research, Monitoring, and Evaluation Report
January 1, 2015 – December 31, 2017](#)
- [Implementation of Fisheries Enhancement Opportunities on the Coeur d'Alene Reservation Research, Monitoring, and Evaluation Report
January 1, 2018 – December 31, 2019](#)

Spokane Tribe

- [Shared our data with the NWPPC](#)
- [BPA project with the CTCR \(Holly McLellan, project # 2017-004-00\)](#)

Colville Confederated Tribes

- [Reward Program Packet](#)
- [Pike reward poster](#)
- [Pike reward program rules](#)
- [Pike drop-off locations/map](#)
- [Pike fish head removal instructions](#)

Columbia River Inter-Tribal Fisheries Commission

- [Aquatic Invasive Species in the Columbia River Basin](#)

Alaska Department of Fish and Game

- [Invasive Northern Pike, Alaska Department of Fish and Game webpage](#)
- [The Technical Guidance and Management Plan for Invasive Northern Pike in Alaska](#)

Canada | Resources

Invasive Species Council of BC

- [General website](#)

Ministry of Forests

- [EcoCat: The Ecological Reports Catalogue, search "Columbia Pike"](#)

Okanagan Nation Alliance

- [Northern Pike Suppression](#)
- [Calling All Anglers To Report Catching Northern Pike In The Lower Columbia River](#)

Fisheries and Oceans Canada

- [Northern Pike](#)



ucut.org/fish/northwest-regional-northern-pike-coordination-forum/

Lake Roosevelt Suppression

All Hands on Deck Survey

Multiagency Effort

Extra effort during pre-spawn period to remove fish before they spawn

Colville Tribes, Spokane Tribe, Kalispel Tribe, WDFW, Chelan PUD, Grant PUD, Bureau of Indian Affairs, National Park Service, Bureau of Reclamation

Dates	# Nets	# Pike	Pike/Net
May 6-9, 2019	475	448	0.94
COVID-2020	--	--	--
April 25-May 6, 2021	642	207	0.32
April 25-May 7, 2022	671	272	0.40
April 24-May 5, 2023	595	169	0.28



47 in and 27.78 lbs = 140,620 eggs

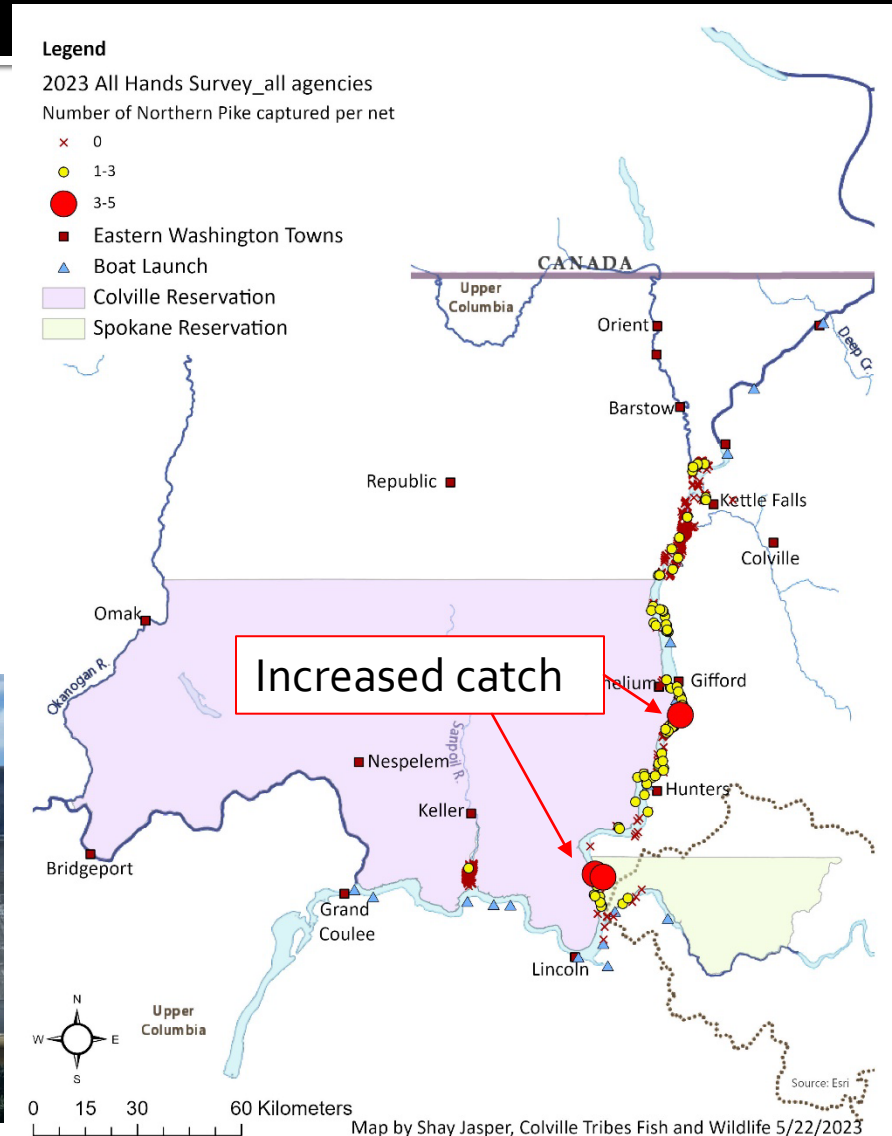


2023 All Hands Survey

- Highest density of Pike was in Gifford and 6-Mile Creek Areas
- Captured one in the Sanpoil
- Deep drawdowns and extra drawdowns for salmon not good for suppression
 - Reduce access during the spring
- High flows will likely increase entrainment

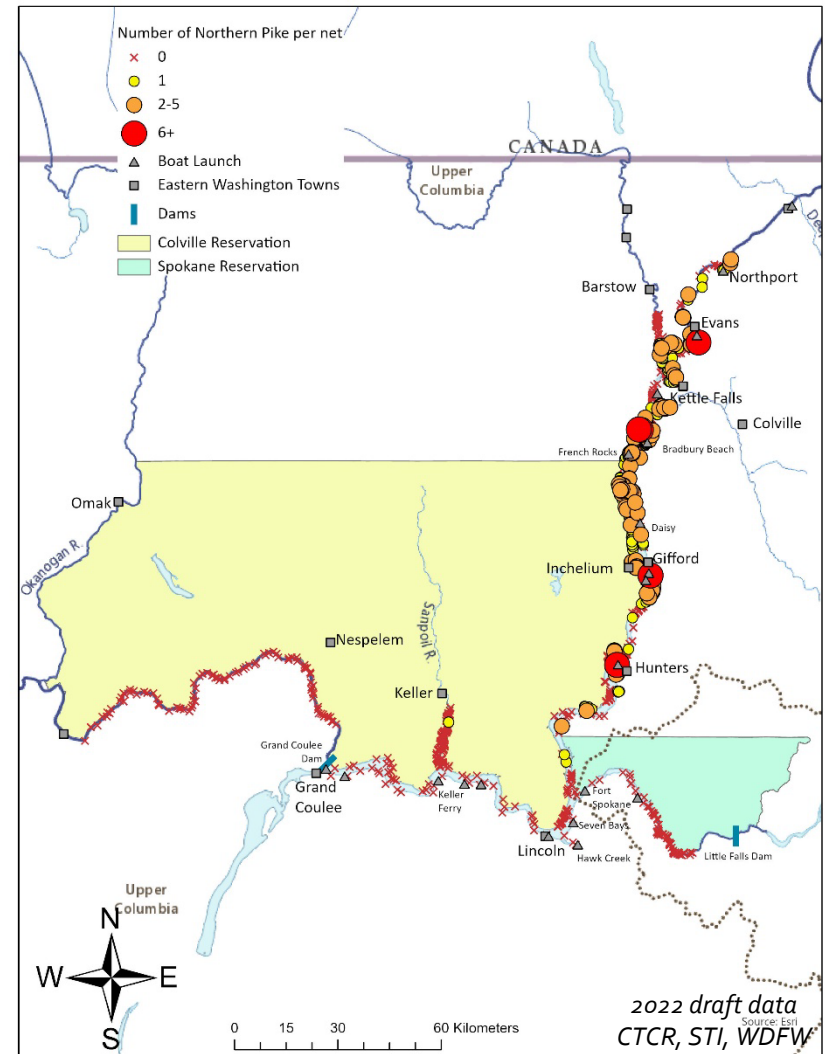


May 21, 2023 – Grand Coulee Dam



Lake Roosevelt Suppression and Distribution

- Since 2015, co-managers have removed **19,248** Northern Pike
 - Approx. 2,500 nets are set each year
- Additional 2022 surveys
 - Colville Tribes added a Rufus Woods gillnet survey, no Pike
 - Spokane Tribe added a Little Falls reservoir survey, no pike
 - WDFW conducted annual Lake Spokane Pike suppression efforts
- 2023 new work
 - Colville Tribes will be implementing an acoustic telemetry study to determine habitat use during the summer months when catch rates are low





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Thank you!