



Summary of 2024 Northern Pike Suppression Results on Boundary Reservoir, Pend Oreille River, WA.

In 2024, adverse netting conditions (low reservoir elevation) prevented normal netting operations, resulting in a total of 18 nets being deployed and no Northern Pike (NP) removed between April 11 and April 13 (Figure 1). In total, 829 NP have been removed since mechanical suppression effort began in Boundary Reservoir in 2016. Due to the extremely low catch rate for the last two consecutive years (2023-2024), and no Northern Pike observed since 2021 during routine reservoir sampling conducted by Seattle City Light, the Kalispel Natural Resources Department and Washington Department of Fish and Wildlife decided to suspend the 2024 SPIN survey.

Mechanical Removal April 11-April 13:

- Netting took place from April 11 to April 13
- Netting locations were concentrated from Box Canyon Dam to Metaline Falls
- As no Northern Pike were captured, biological information such as weight, length, sex and maturity were not collected
- Total nets deployed: 18
- Overall CPUE: 0.0 NP/net-night

Northern Pike catch summary (Table 1):

- Total catch: 0

Mechanical Suppression Bycatch Summary:

- 8 fish species, 24 individuals (Table 2)

Spring Pike Index Netting (Not Conducted)

- Not conducted in 2024

Tables and Figures

Table 1. Data summary and statistics for the 2024 Northern Pike suppression effort in Boundary Reservoir.

	Suppression	SPIN Survey
Sampling Dates:	April 11 to April 13	NOT CONDUCTED
Days per Week:	2	-
Nets/Day:	8-10	-
Total Nets:	18	-
NP Catch-Per-Unit-Effort (CPUE):		
CPUE:	0.0	-
Percent Positive Catch:	0	-
Most Northern Pike in one net:	0	-
NP Catch Statistics:		
Total Number:	0	-
Total Length Range:	-	-
Weight Range:	-	-
Mean TL Males:	-	-
Mean TL Females:	-	-
Sex Ratio (% female):	-	-
Juvenile Catch (<450 mm):	-	-

Table 2. Summary of fish bycatch captured during the 2024 Northern Pike mechanical suppression effort in Boundary Reservoir.

Common Name	Species Name	Number	% of Total
Salmonidae			
Brown Trout	<i>Salmo trutta</i>	1	4.17
Rainbow Trout	<i>Oncorhynchus mykiss</i>	1	4.17
Esocidae			
Grass Pickerel	<i>Esox americanus vermiculatus</i>	1	4.17
Cyprinidae			
Tench	<i>Tinca tinca</i>	2	8.33
Centrarchidae			
Largemouth Bass	<i>Micropterus salmoides</i>	4	16.67
Pumpkinseed	<i>Lepomis gibbosus</i>	7	29.17
Percidae			
Walleye	<i>Sander vitreus</i>	1	4.17
Yellow Perch	<i>Perca flavescens</i>	7	29.17

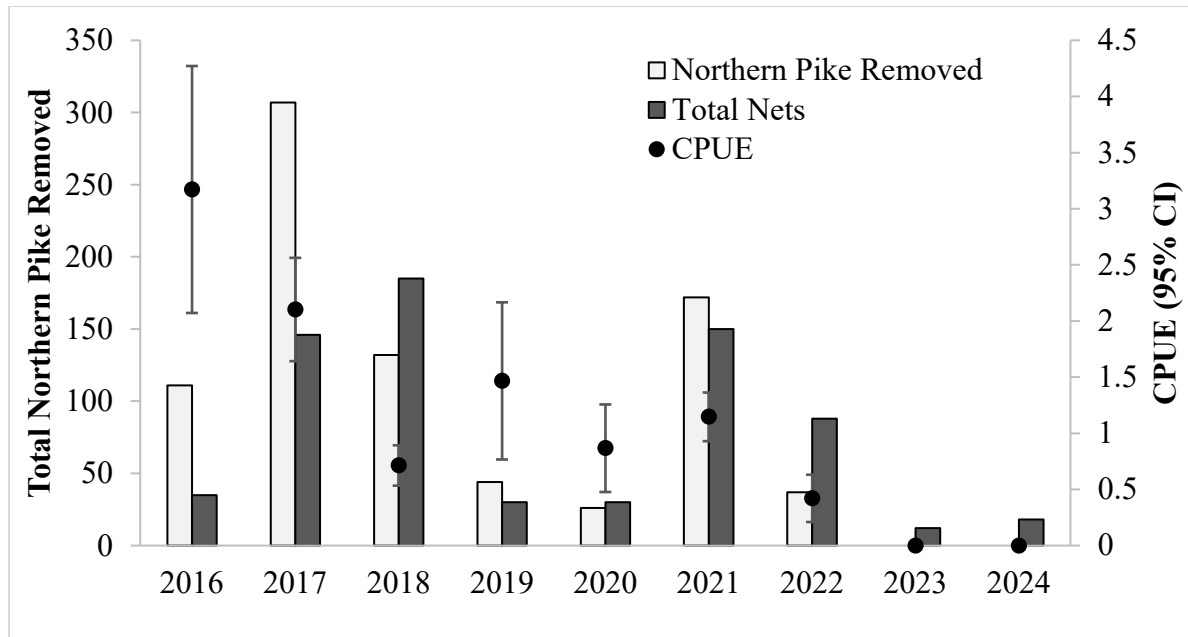


Figure 1. Boundary Reservoir total catch, gill net effort, and mean gill net catch-per-unit-effort (CPUE) of Northern Pike collected during suppression efforts since 2016.