

# Cowlitz Salmon Hatchery Adult Handling & Distribution

**April 16, 2025**

**Cowlitz Annual Program Review  
and Science Conference**

**Jamie Murphy** - *Natural Resources Biologist*

**Chan Ankeny** – *Fisheries Technician*



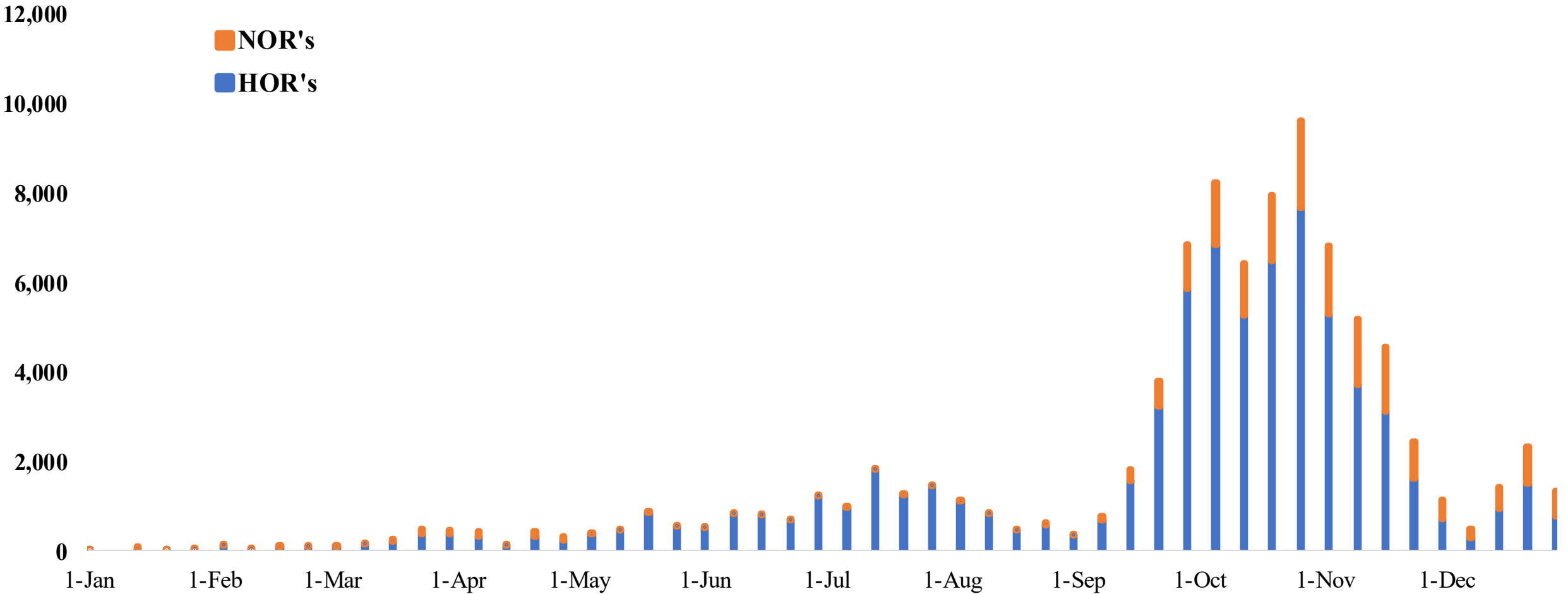


# What we will cover:

- Total returns to the separator by species, tag, and mark
- Adult Handling Protocol
- Distribution & Release Sites
- Total distribution to release sites in the Tilton River and Upper Cowlitz by species, tag, and mark
- Updated Release Structure

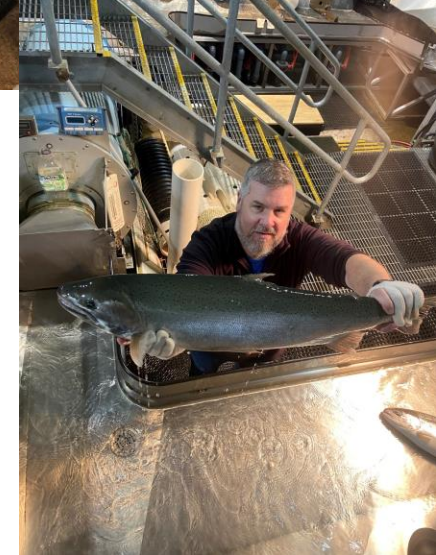
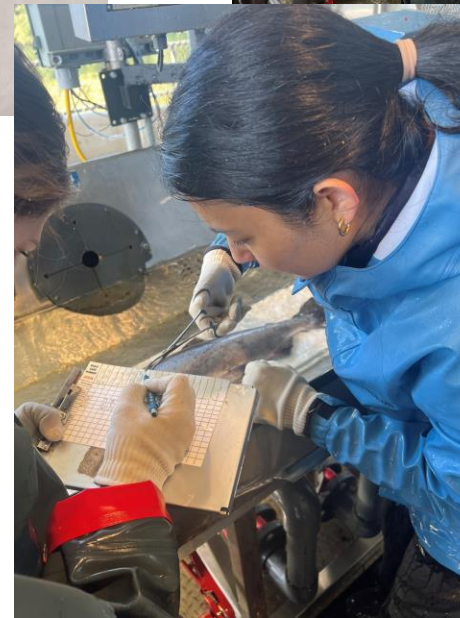
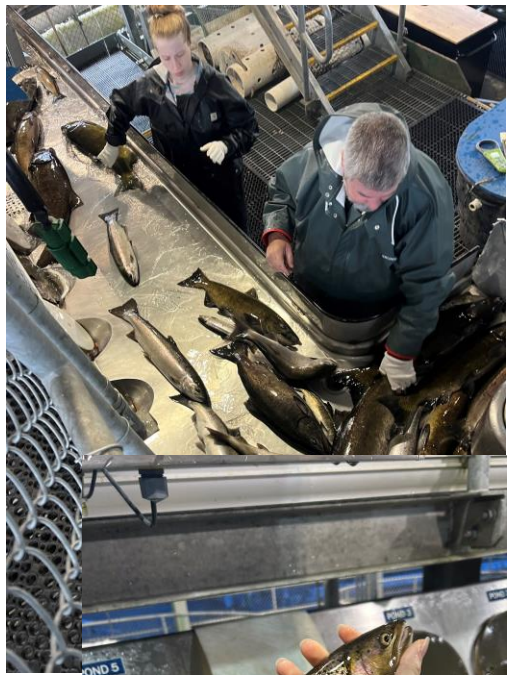


# 2024 WEEKLY RETURNS TO THE COWLITZ SALMON HATCHERY (CSH) SEPARATOR

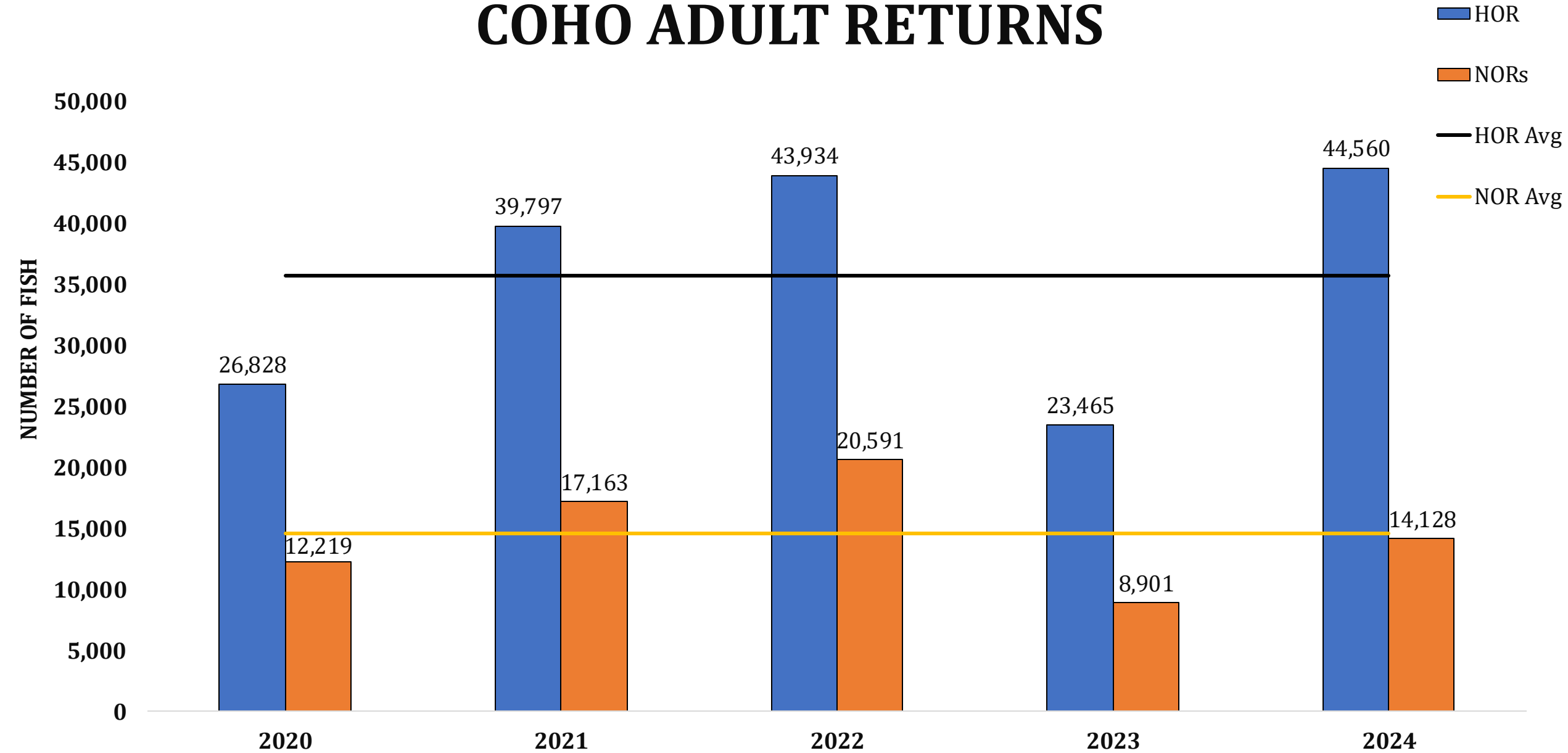




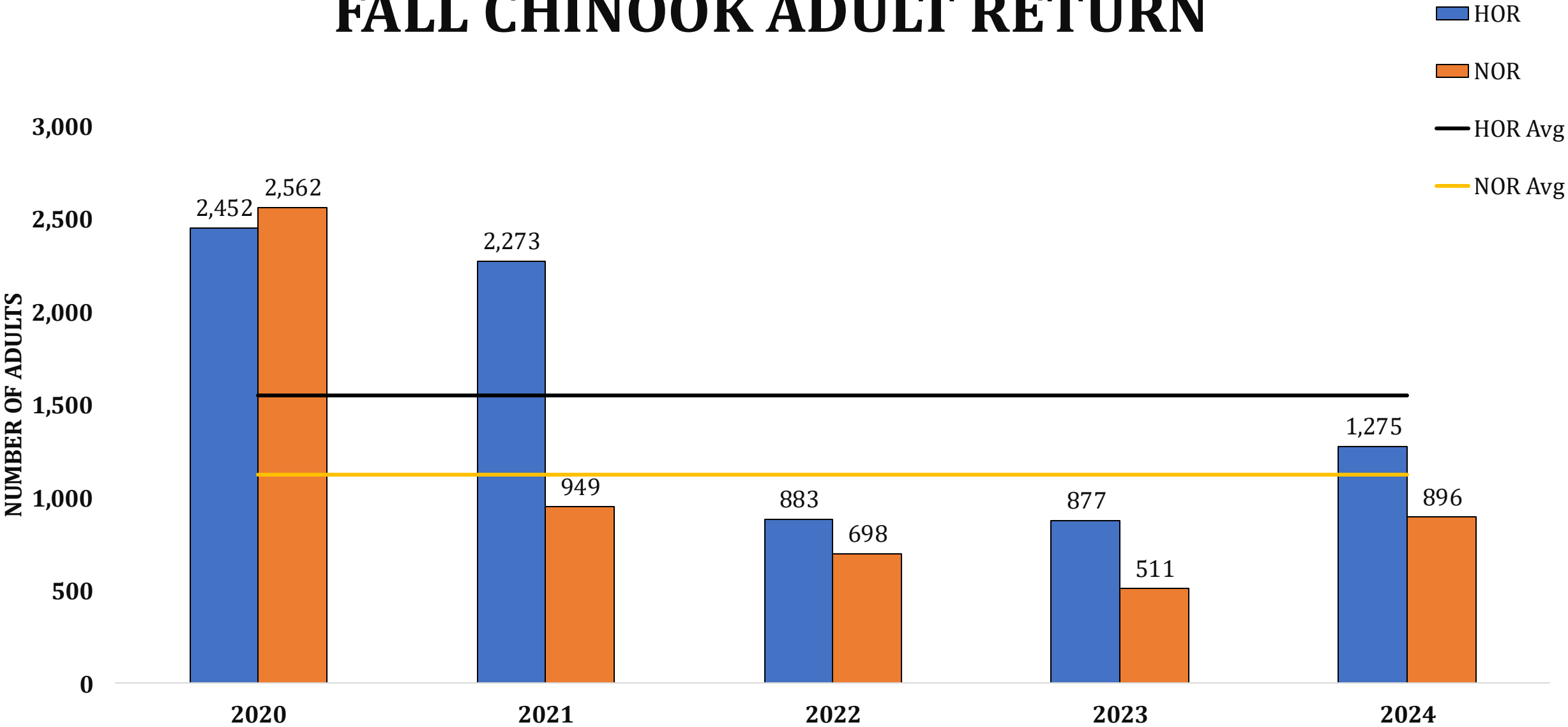
# 2024 Adult Returns



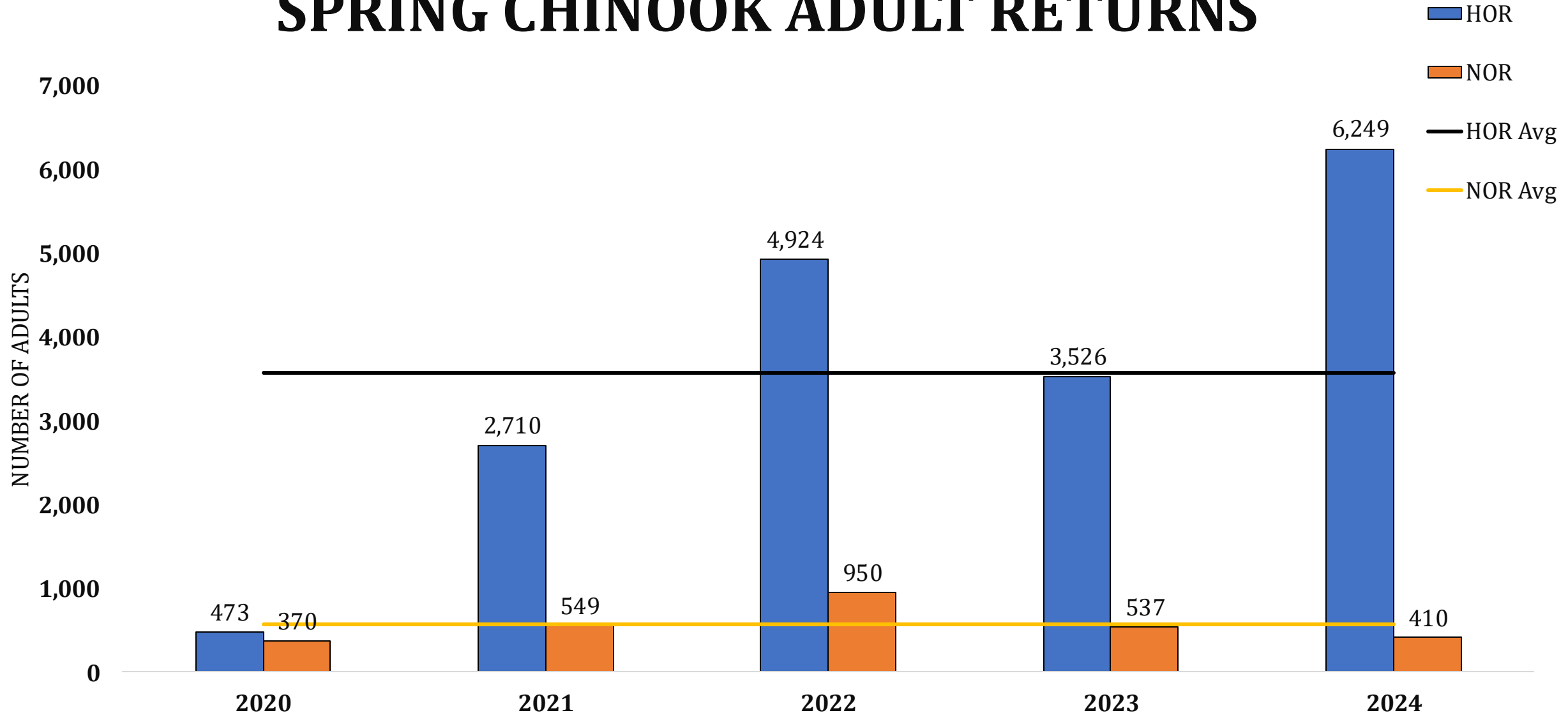
# COHO ADULT RETURNS



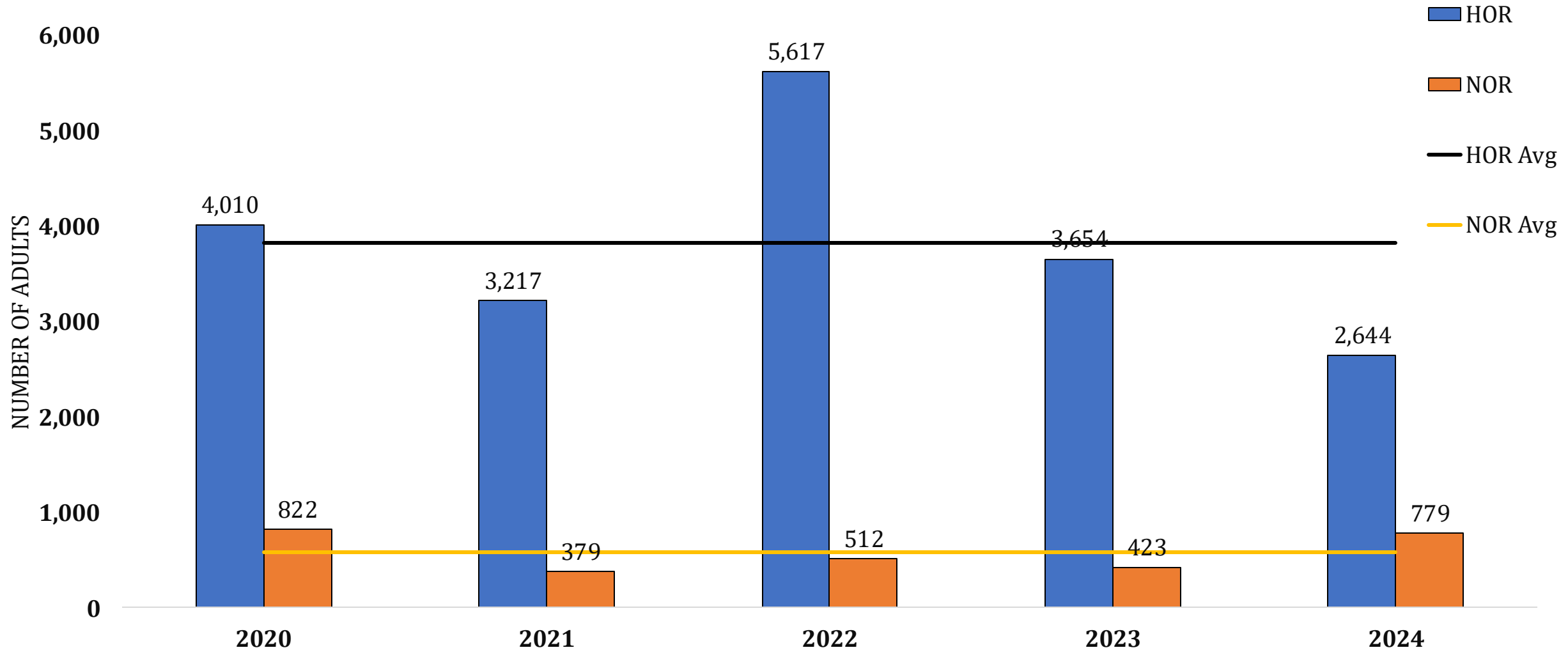
# FALL CHINOOK ADULT RETURN



# SPRING CHINOOK ADULT RETURNS

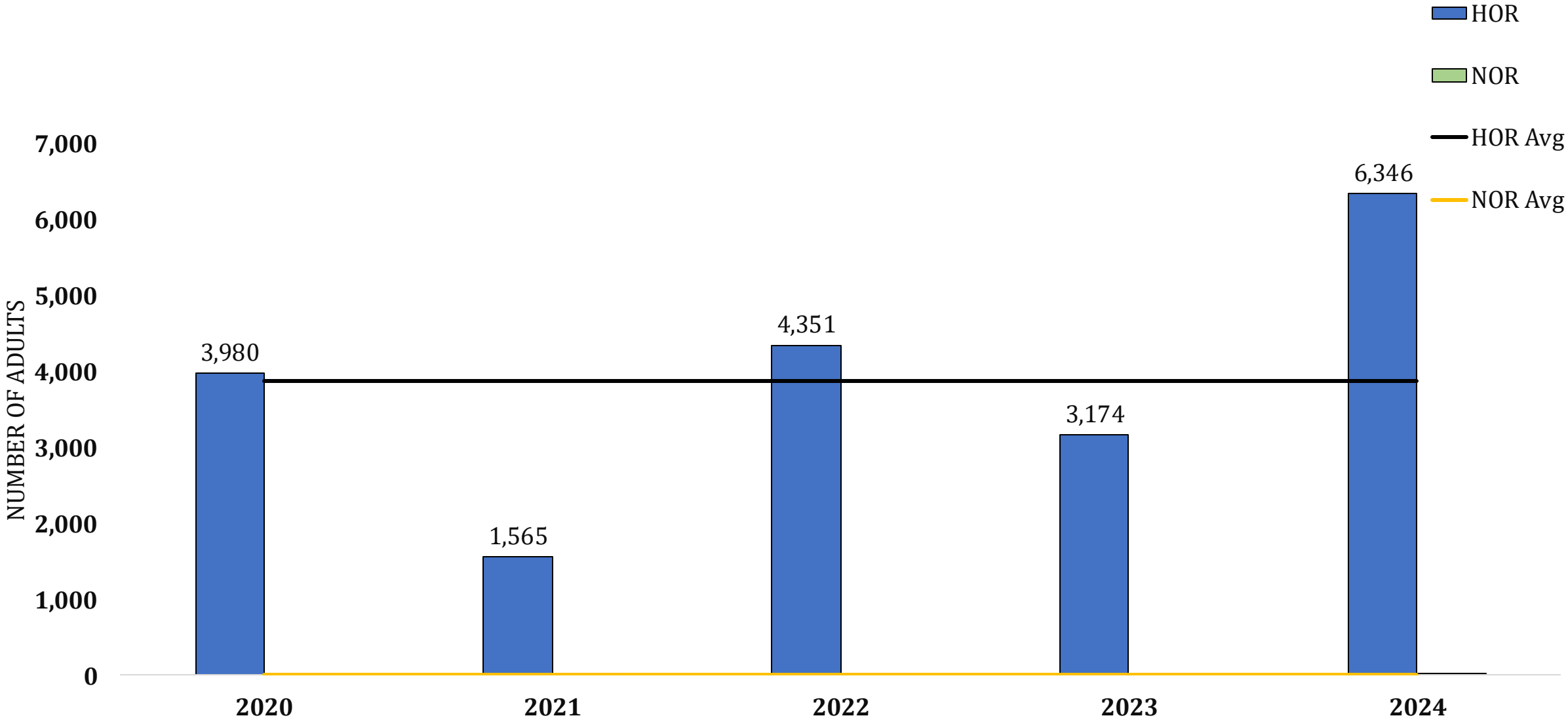


# WINTER-RUN STEELHEAD ADULT RETURNS

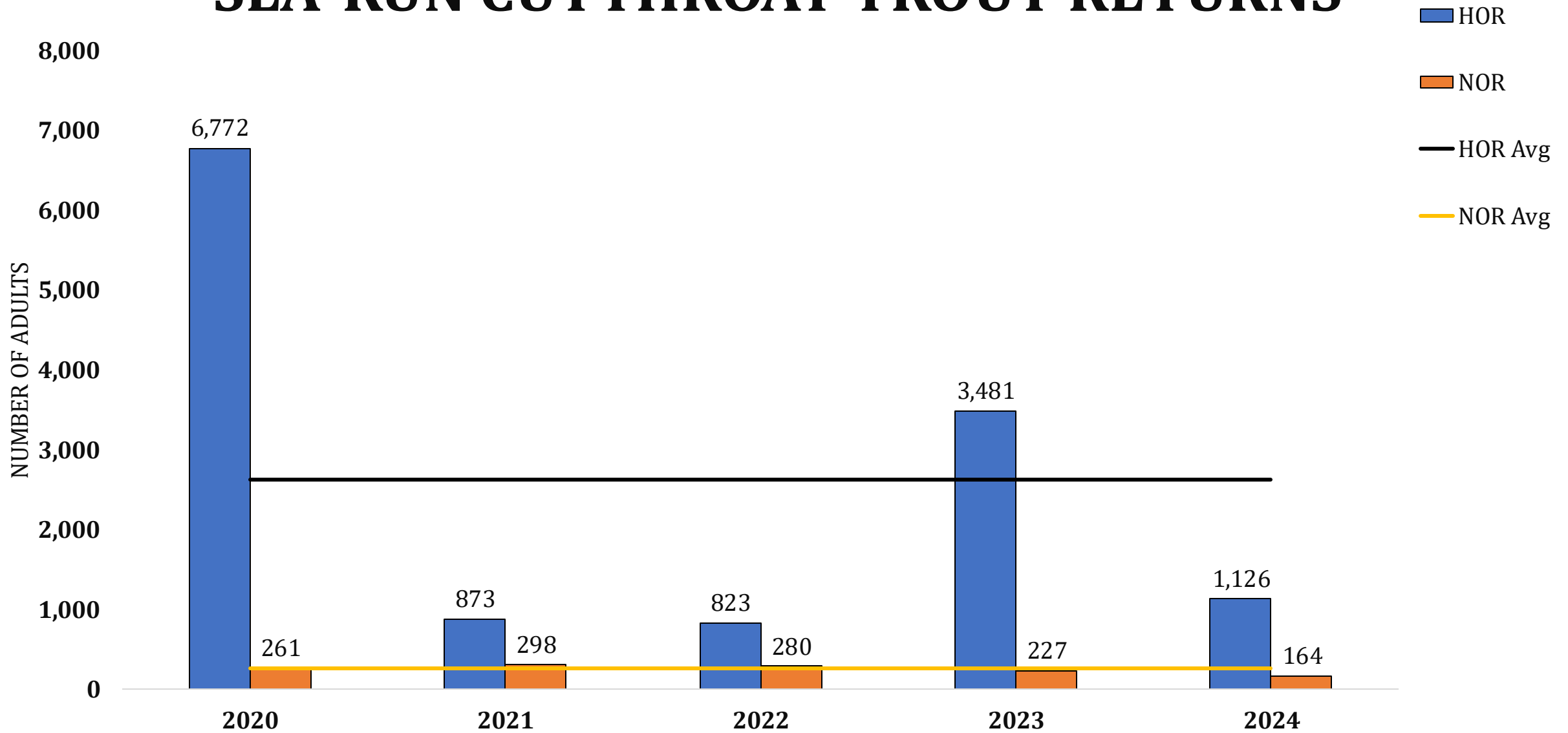




# SUMMER-RUN STEELHEAD ADULT RETURNS



# SEA-RUN CUTTHROAT TROUT RETURNS



# ADULT HANDLING PROTOCOL (AHP)

2/15/2024Update				DISPOSITION						
COWLITZ COMPLEX ADULT HANDLING - CSH				OF ADULTS AND JACKS THAT ARRIVE AT COWLITZ BARRIER DAM ADULT FACILITY						
BY2024	ORIGIN	MARKS IN FISH	LIFESTAGE	RIFFE LAKE	BREMER BR.	PACKWOOD	CISPUS R. <sup>3</sup>	SCANEWA	RETAIN AT HATCHERY	LOWER RIVER
SPRING CHINOOK	Hatchery (HOR)	Ad Clipped Only	Adult & Jack			25% AHN	25% AHN	50% AHN	Broodstock	
	Hatchery (HOR)	UM+CWT	Adult & Jack			25% AHN	25% AHN	50% AHN	Broodstock	
	Hatchery (HOR)	Ad Clip+CWT	Adult & Jack						100%	
	Hatchery (HOR)	Ad Clip+RV	Adult & Jack						Recycle/Surplus	
	Wild (NOR)	Unmarked	Adult & Jack					100%		
	Hatchery (HOR)	All without CWT	Mini Jack	100%						
	Hatchery (HOR)	Ad Clip+CWT	Mini Jack						100%	
	After July 1st, send HOR Sp Chinook upstream and use Copper Canyon Creek Kayak Take-out site to release NOR Sp Chinook into Lake Scanewa.									
	Hatchery (HOR)	Ad Clipped Only	Adult & Jack			50% AHN	50% AHN		Broodstock	
	Hatchery (HOR)	UM+CWT	Adult & Jack			50% AHN	50% AHN		Broodstock	
	Hatchery (HOR)	Ad Clip+CWT	Adult & Jack						100%	
	Hatchery (HOR)	Ad Clip+RV	Adult & Jack						Recycle/Surplus	
	Wild (NOR)	Unmarked	Adult & Jack					100%		
	Hatchery (HOR)	Ad Clip+CWT	Mini Jack						100%	
	Hatchery (HOR)	All without CWT	Mini Jack	100%						
**Recycle ADRV fish downstream through the month of June upon communication with NOAA										
BY 2024	ORIGIN	MARKS IN FISH	LIFESTAGE	GUST BACK.	BREMER BR.	PACKWOOD	CISPUS R. <sup>3</sup>	SCANEWA	RETAIN AT HATCHERY	LOWER RIVER
FALL CHINOOK	Hatchery (HOR)	Ad Clipped Only	Adult & Jack	>75% AHN	<25% AHN				Broodstock	
	Integrated (H/W)	Ad Clipped+CWT	Adult & Jack						100%	
	Wild (NOR)	Unmarked	Adult & Jack		100% / AHN				Collect at a 1:2 *	
	Wild (NOR)	Unmarked+CWT	Adult & Jack		100%					
* Per NOAA approval collect UM fish at less than 1 fish to broodstock, 2 fish to the Tilton River, not to exceed 30% retention to hatchery overall, also meet minimum demographic replacement with HOR Ad only fish. Transport up to 1,600 HOR fall Chinook to the Tilton River. The demographic replacement will be a minimum of 2 HOR fish transported for every 1 NOR fish taken to brood. Fish transported for demographic replacement should be released at Bremmer Bridge.										
BY 2024	ORIGIN	MARKS IN FISH	LIFESTAGE	GUST BACK.	BREMER BR.	PACKWOOD	CISPUS R. <sup>3</sup>	SCANEWA	RETAIN AT HATCHERY	LOWER RIVER
COHO	Hatchery (HOR)	Ad Clipped Only	Adult & Jack	>75% <sup>2</sup>	<25% <sup>2</sup>				Broodstock/backfill	
	Integrated (H/W) <sup>1</sup>	Ad Clipped+CWT	Adult & Jack			25%	25%	50% <sup>1</sup>	Broodstock	
	Integrated (H/W) (flow/s)	Ad Clipped+CWT	Adult & Jack			50%	50%			
	Wild (NOR)	Unmarked +CWT	Adult & Jack		All					
	Wild (NOR)	Unmarked	Adult & Jack					100%/AHN <sup>1</sup>	Broodstock	
Maximum HOR coho adult transport of 12,000 to Tilton and 40,000 to Upper Cowlitz										
<sup>1</sup> If flow or access conditions do not permit planting adults at Scanewa then plant approximately 50% to Cispus & 50% to Packwood.										
<sup>2</sup> Hatchery fish releases to Bremmer Bridge are intended to occur late in the season to avoid attracting anglers to the Bremmer Bridge site during low water.										
BY 2024	ORIGIN	MARKS IN FISH	LIFESTAGE	GUST BACK.	BREMER BR.	PACKWOOD	CISPUS R. <sup>3</sup>	SCANEWA	RETAIN AT HATCHERY	LOWER RIVER
ANADROMOUS COASTAL CUTTHROAT	Hatchery (HOR)	Ad Clipped Only							Per brood schedule	100% AHN *
	Wild (NOR)	Unmarked			100%					
	Wild NOR	UM+Dorsal CWT			100%					
	Wild (NOR)	Unmarked +CWT						100%		
All hatchery fish mass marked.										
* Caudal clip recycled fish.										
* See NOTES tab. - Cispus preferred when Scanewa not available.										
BY 2024	ORIGIN	MARKS IN FISH	LIFESTAGE	GUST BACK.	BREMER BR.	PACKWOOD	CISPUS R. <sup>3</sup>	SCANEWA	RETAIN AT HATCHERY	LOWER RIVER
WINTER STEELHEAD	Hatchery (HOR)	Ad Clipped Only							All	
	Integrated (H/W)	AD+CWT				50% AHN	50% AHN		Broodstock	
	Integrated (H/W)	AD+LV (Tilton)		>75% AHN	<25% AHN				Broodstock	
	Wild (NOR)	UM+Dorsal CWT			100% AHN				Broodstock	
	Wild (NOR)	Unmarked +CWT						100%/AHN <sup>1</sup>	Broodstock	
	Wild (NOR)	Unmarked			100% AHN				Broodstock	
<sup>1</sup> If flow or access conditions do not permit planting adults at Scanewa then plant approximately 50% to Cispus & 50% to Packwood.										
BY 2024	ORIGIN	MARKS IN FISH	LIFESTAGE	TILTON		PACKWOOD	CISPUS R. <sup>3</sup>	SCANEWA	RETAIN AT HATCHERY	LOWER RIVER
SUMMER STEELHEAD	Hatchery Origin	Ad Clipped							100% *	6,600 *
	Wild (NOR)	Unmarked								100%
All hatchery fish mass marked.										
* Final disposition to be determined by Fish Management annually. Fish may be donated to food banks, planted in other lakes etc....										
<sup>2</sup> Fish will be operal punched and recycled downstream from June 1st-Aug 31th. Approx. 200 fish per week to I-5 boat launch PENDING FISH MANAGEMENT/FTC review/modification.										
<sup>3</sup> The Cispus River adult release site is under repair. Until repaired, useable or alternative is found, release fish destined for the Cispus to Lake Scanewa.										



# ADULT HANDLING PROTOCOL (AHP)

BY2025	ORIGIN	MARKS IN FISH	LIFESTAGE	RIFFE LAKE	BREMER BR.	PACKWOOD	CISPUS R. <sup>3</sup>	SCANEWA	RETAIN AT HATCHERY	LOWER RIVER
SPRING CHINOOK	Hatchery (HOR)	Ad Clipped Only	Adult & Jack			25% AHN	25% AHN	50% AHN	Broodstock	
	Hatchery (HOR)	UM+CWT	Adult & Jack			25% AHN	25% AHN	50% AHN	Broodstock	
	Hatchery (HOR)	Ad Clip+CWT	Adult & Jack						100%	
	Hatchery (HOR)	Ad Clip+RV	Adult & Jack						Recycle**/Surplus	
	Wild (NOR)	Unmarked	Adult & Jack					100%		
	Hatchery (HOR)	All without CWT	Mini Jack	100%						
	Hatchery (HOR)	Ad Clip+CWT	Mini Jack						100%	
	After July 1st, send HOR Sp Chinook upstream and use Copper Canyon Creek Kayak Take-out site to release NOR Sp Chinook into Lake Scanewa.									
	Hatchery (HOR)	Ad Clipped Only	Adult & Jack			50% AHN	50% AHN		Broodstock	
	Hatchery (HOR)	UM+CWT	Adult & Jack			50% AHN	50% AHN		Broodstock	
	Hatchery (HOR)	Ad Clip+CWT	Adult & Jack						100%	
	Hatchery (HOR)	Ad Clip+RV	Adult & Jack						Recycle**/Surplus	
	Wild (NOR)	Unmarked	Adult & Jack					100%		
	Hatchery (HOR)	Ad Clip+CWT	Mini Jack						100%	
	Hatchery (HOR)	All without CWT	Mini Jack	100%						

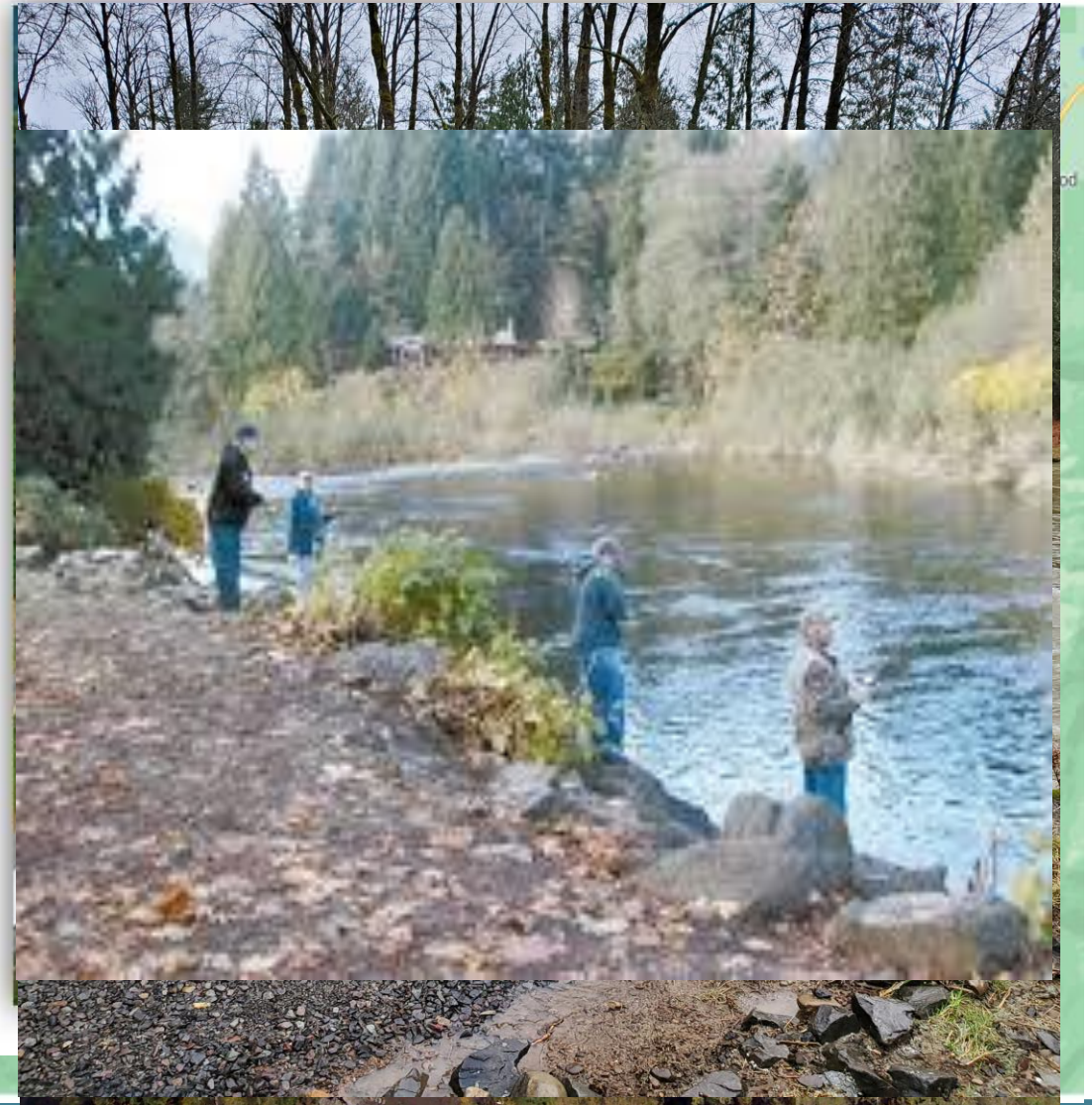
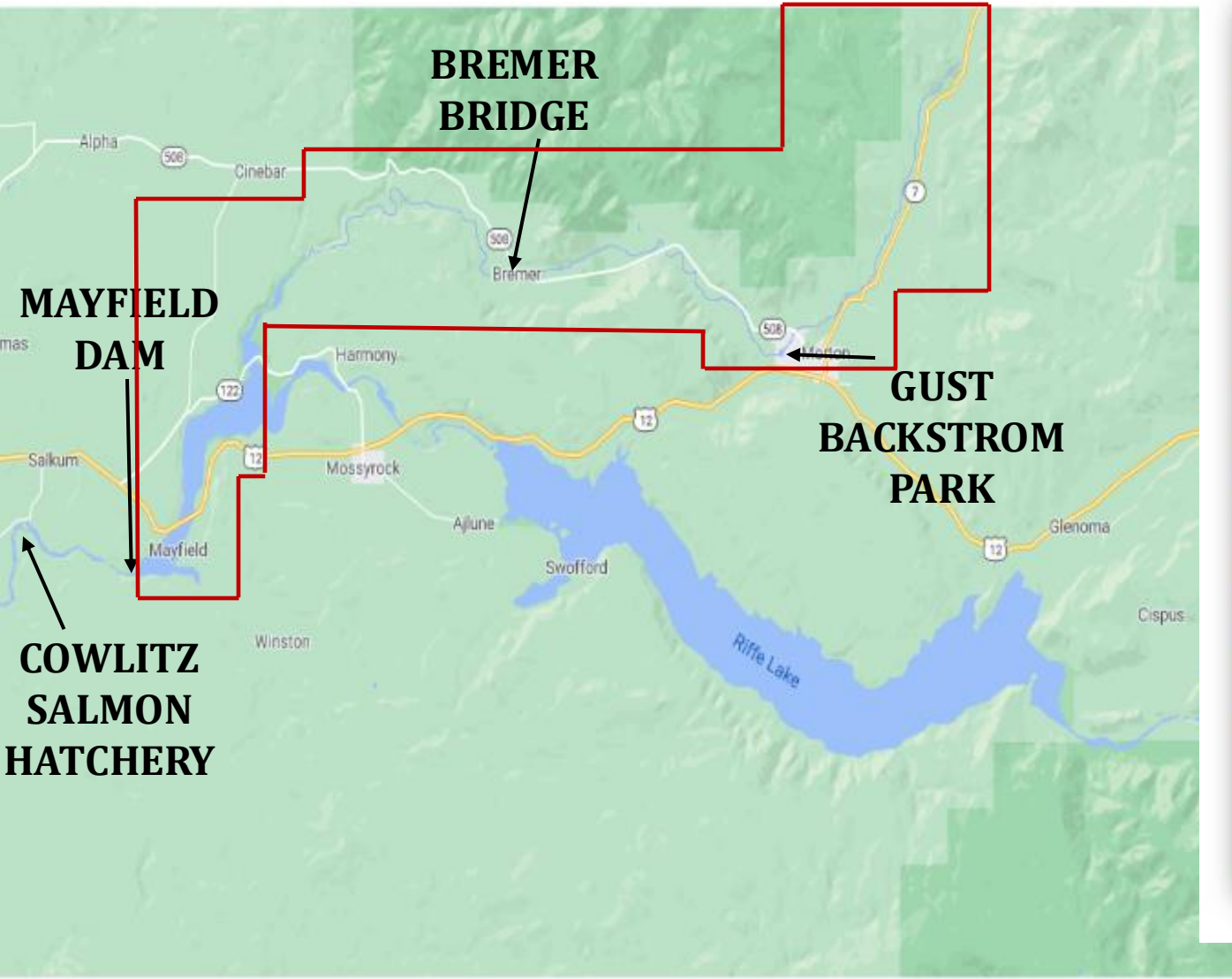
\*\*Recycle ADRV fish downstream through the month of June upon communication with NOAA

# RELEASE SITES AND DISTRIBUTION



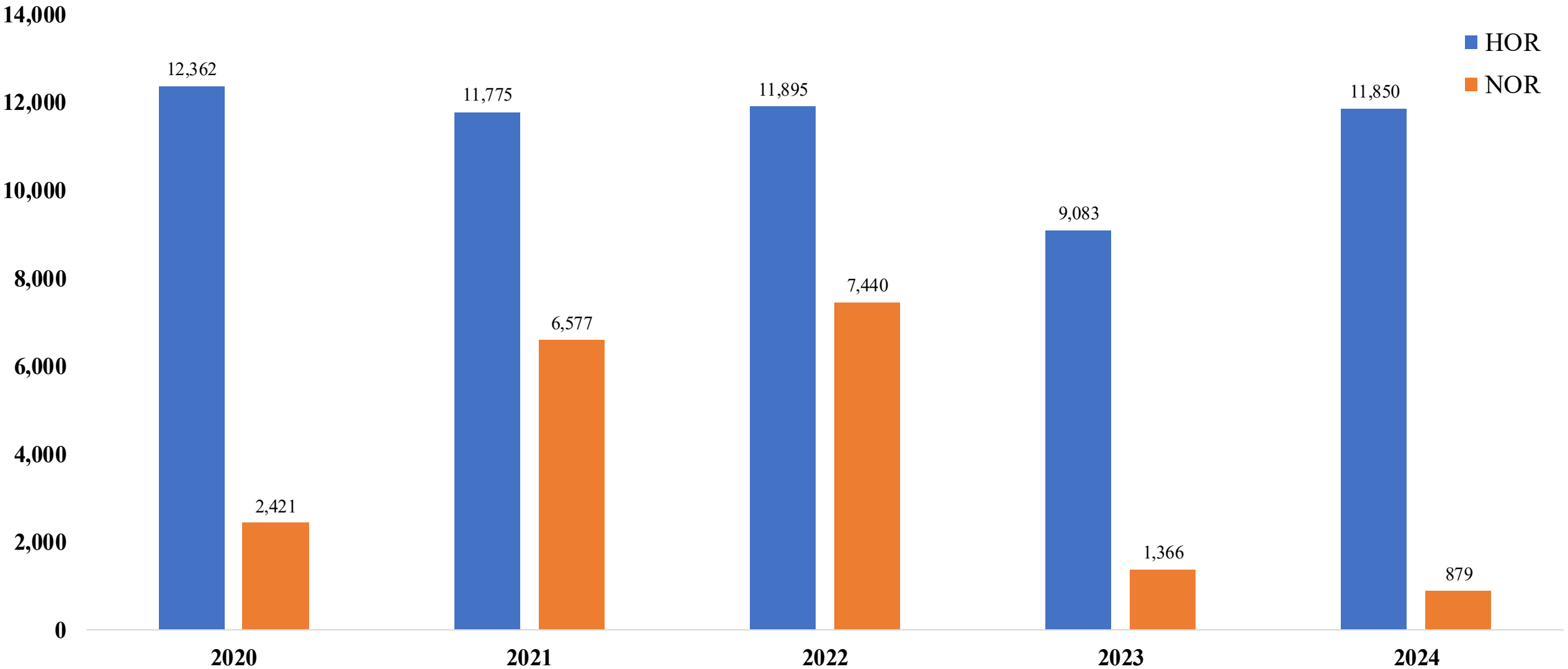


# TILTON & UPPER COWLITZ RELEASE SITES

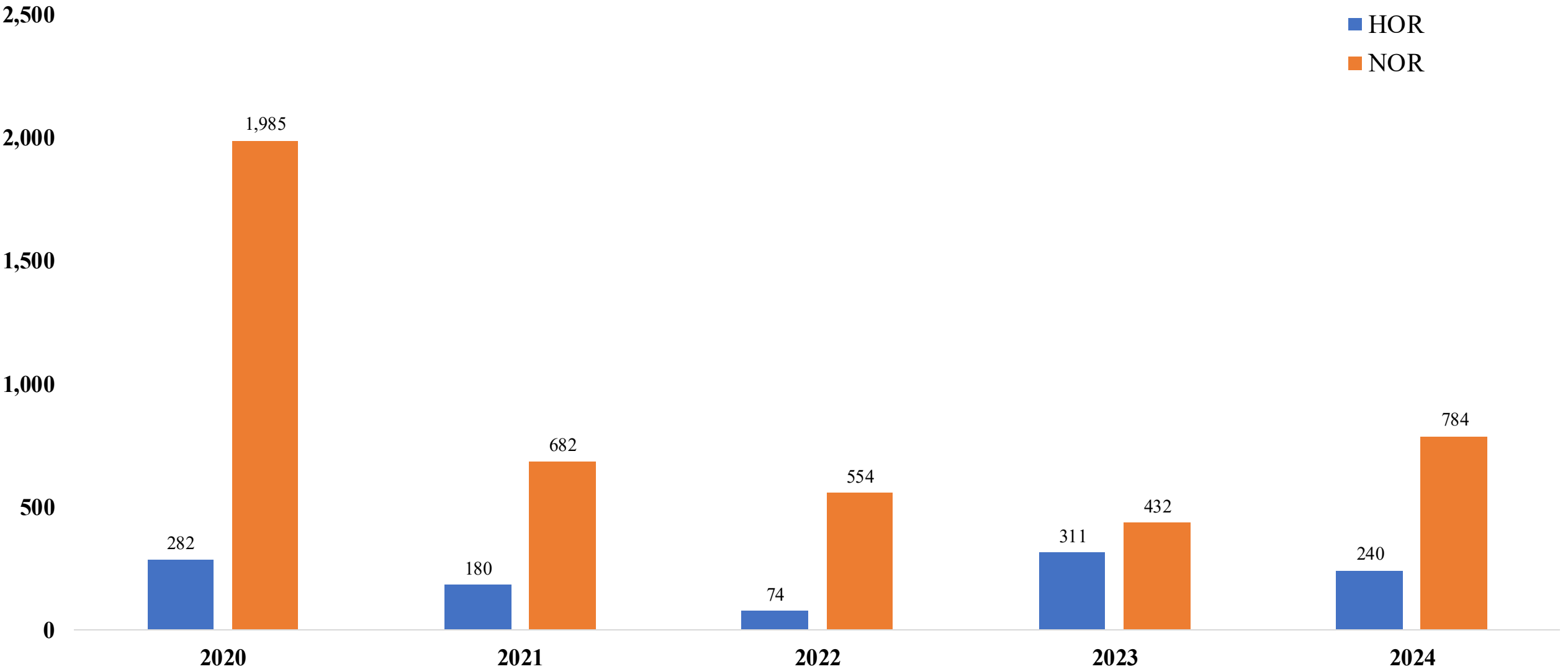




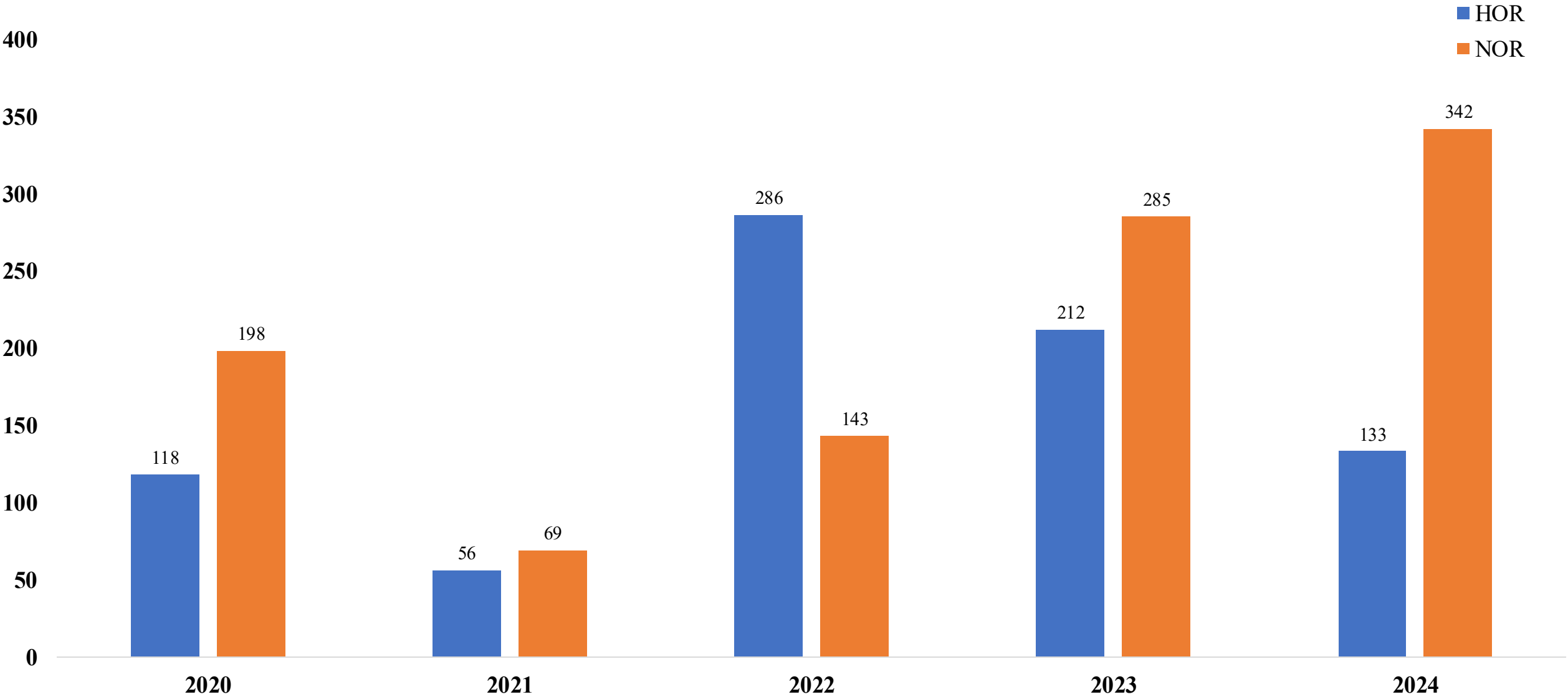
# COHO RELEASES to the TILTON



# FALL CHINOOK RELEASES to the TILTON

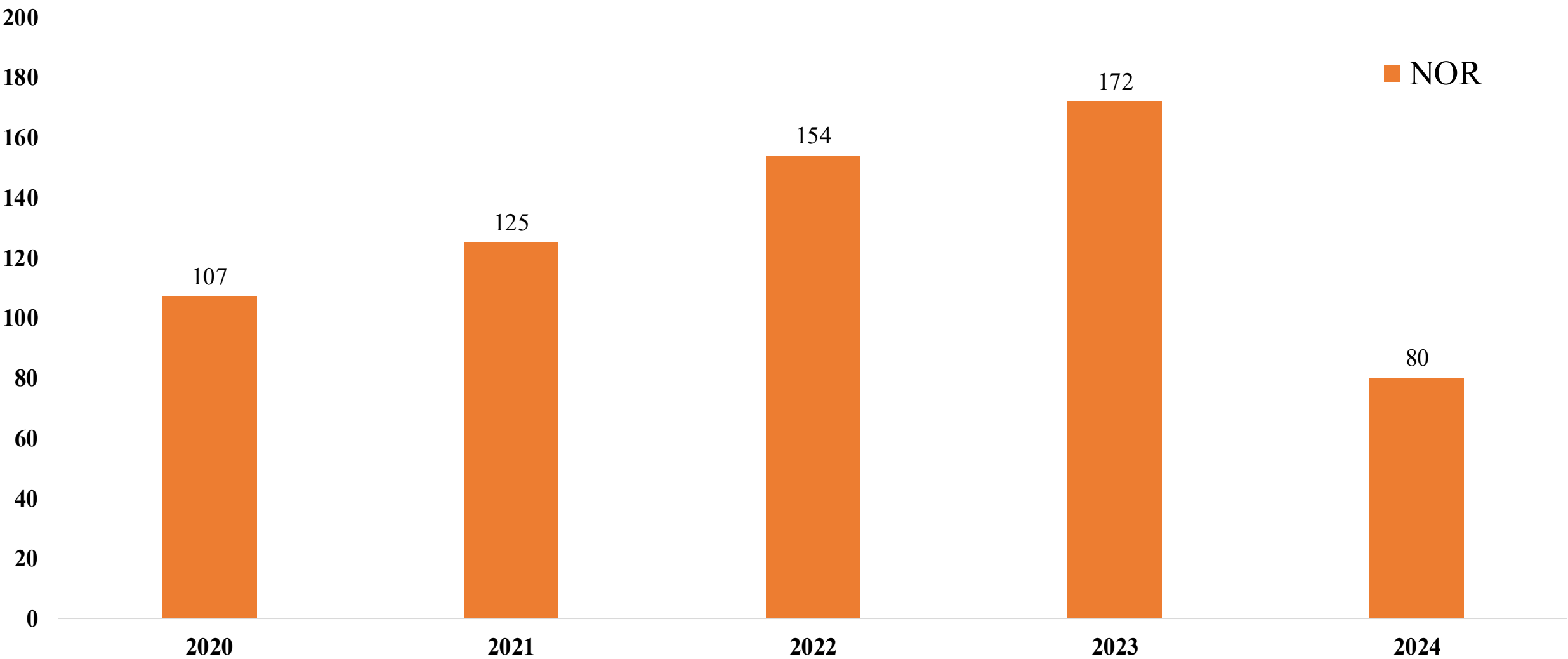


# WINTER RUN STEELHEAD RELEASES to the TILTON

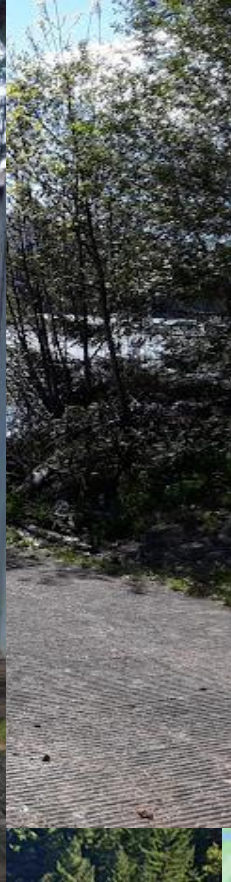




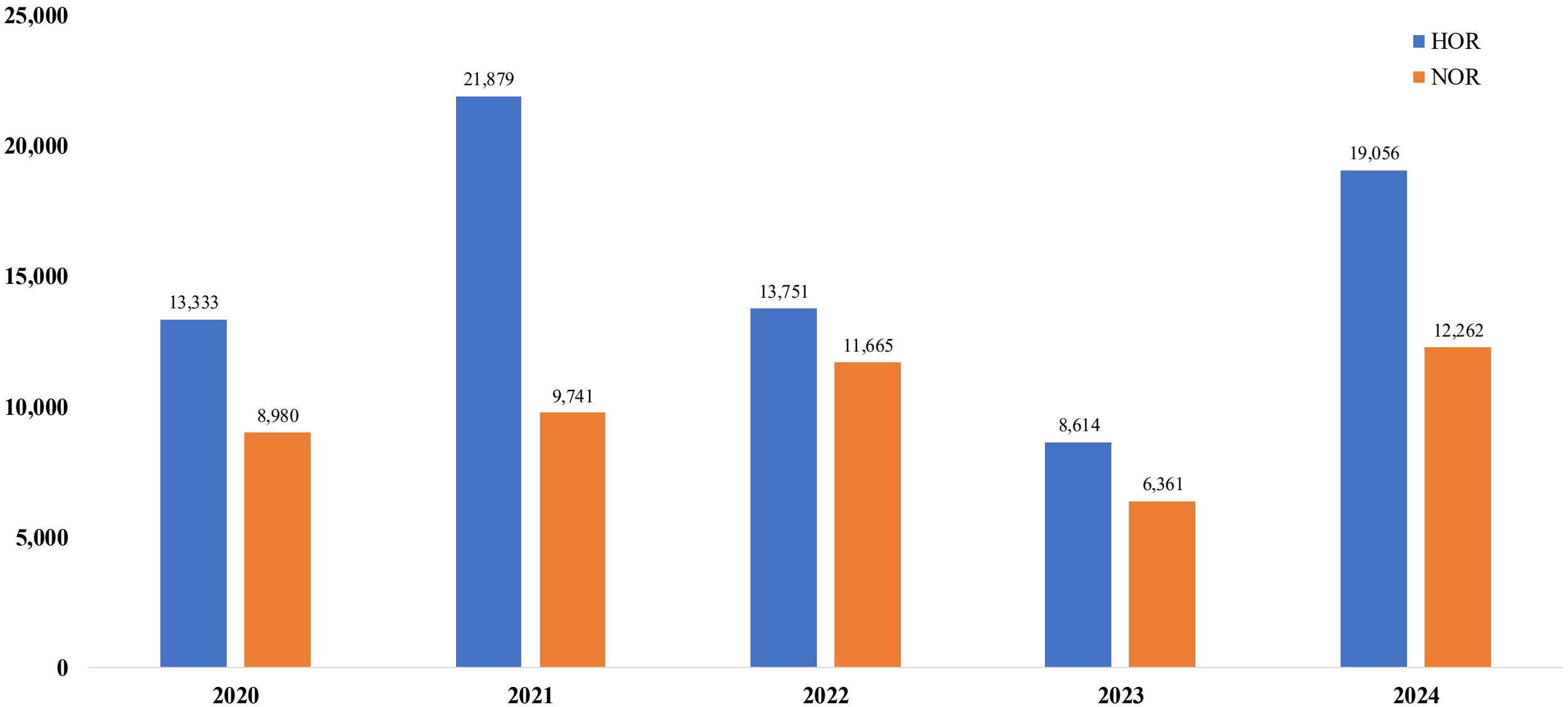
# SEA RUN CUTTHROAT RELEASES to the TILTON



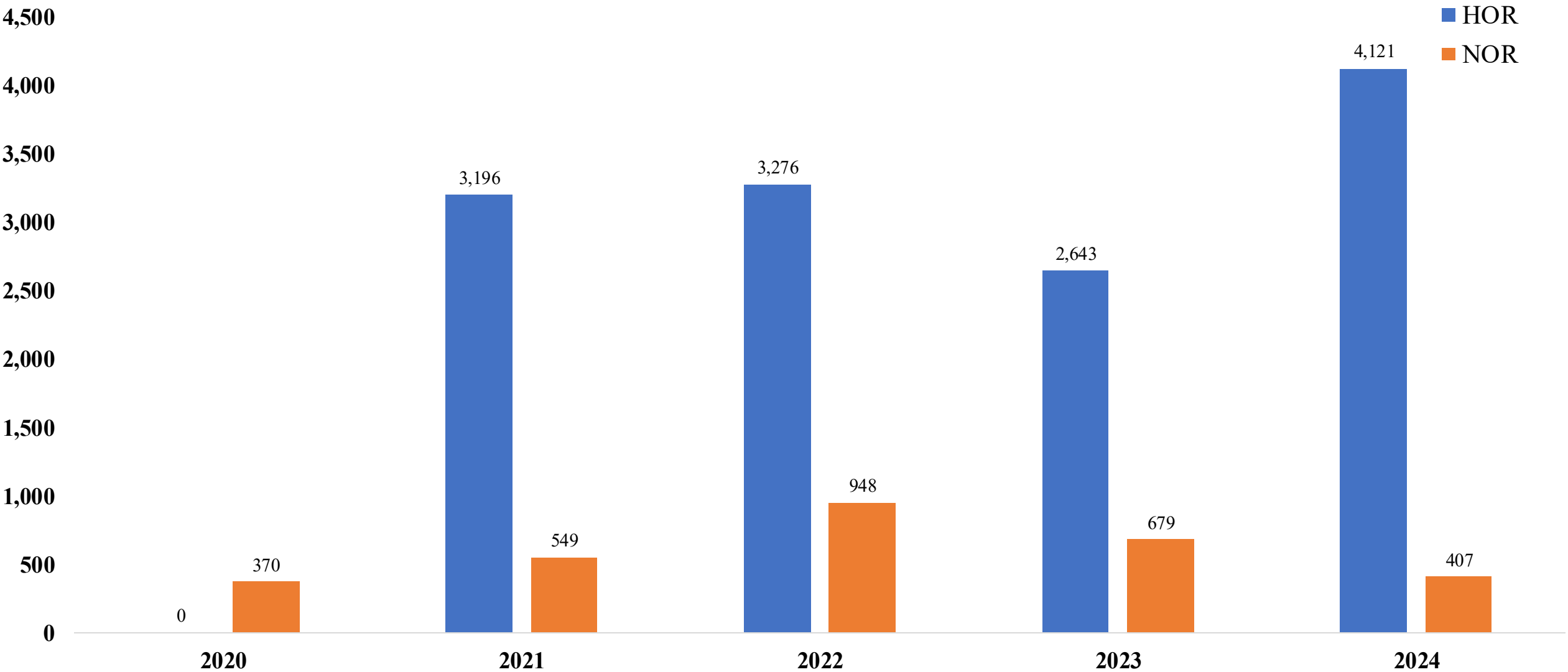
# TILTON & UPPER COWLITZ RELEASE SITES



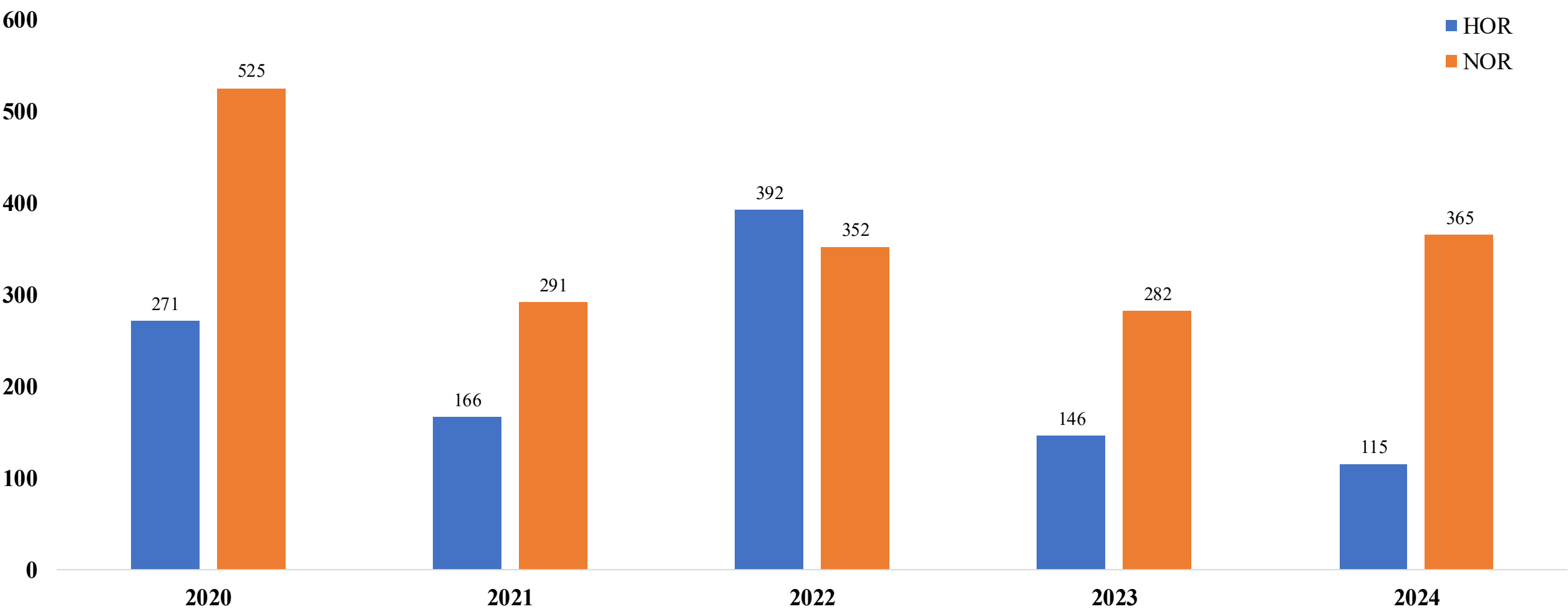
# COHO RELEASES to the UPPER COWLITZ



# SPRING CHINOOK RELEASES to the UPPER COWLITZ

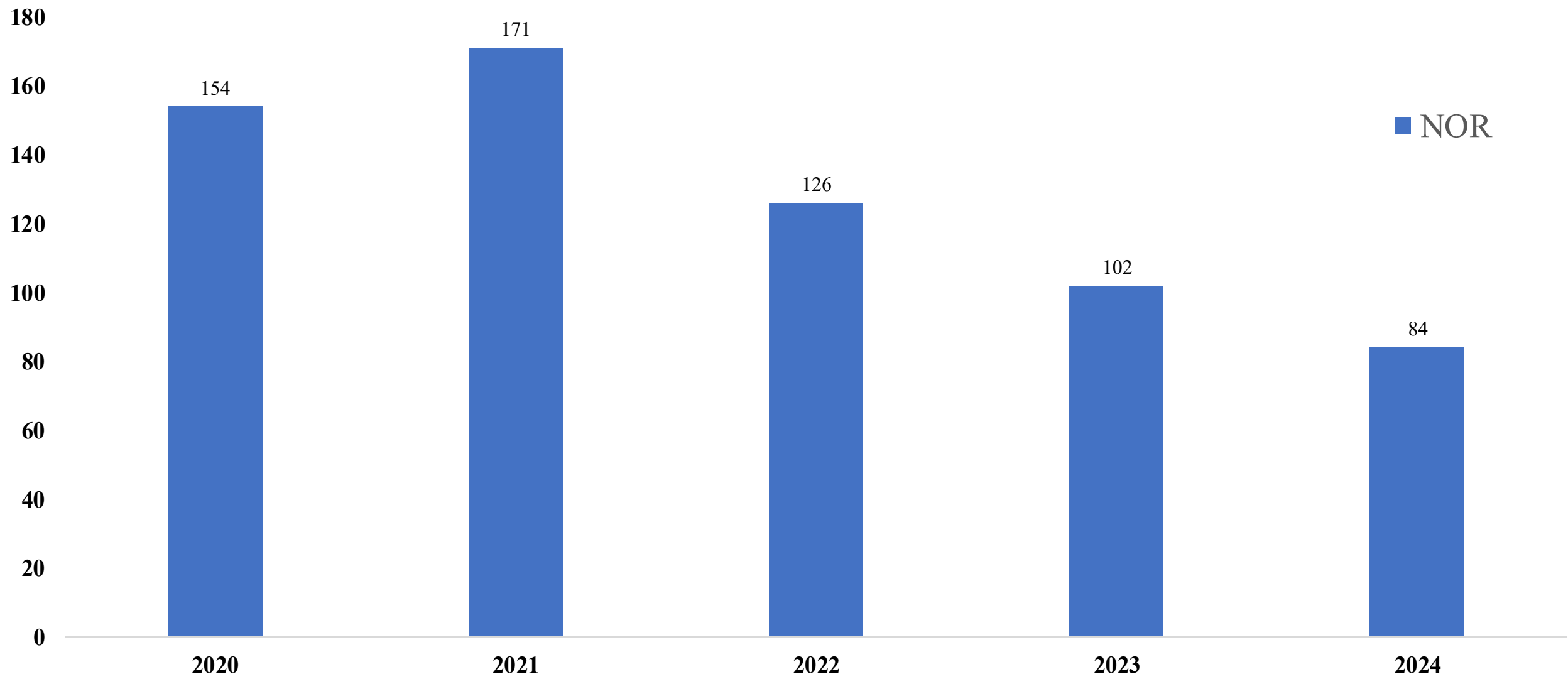


# WINTER RUN STEELHEAD RELEASES to the UPPER COWLITZ





# SEA RUN CUTTHROAT RELEASES UPSTREAM



# QUESTIONS?

**CHECK OUT THE  
COWLITZ FISH  
REPORT ON THE  
TACOMA POWER  
WEBSITE**

