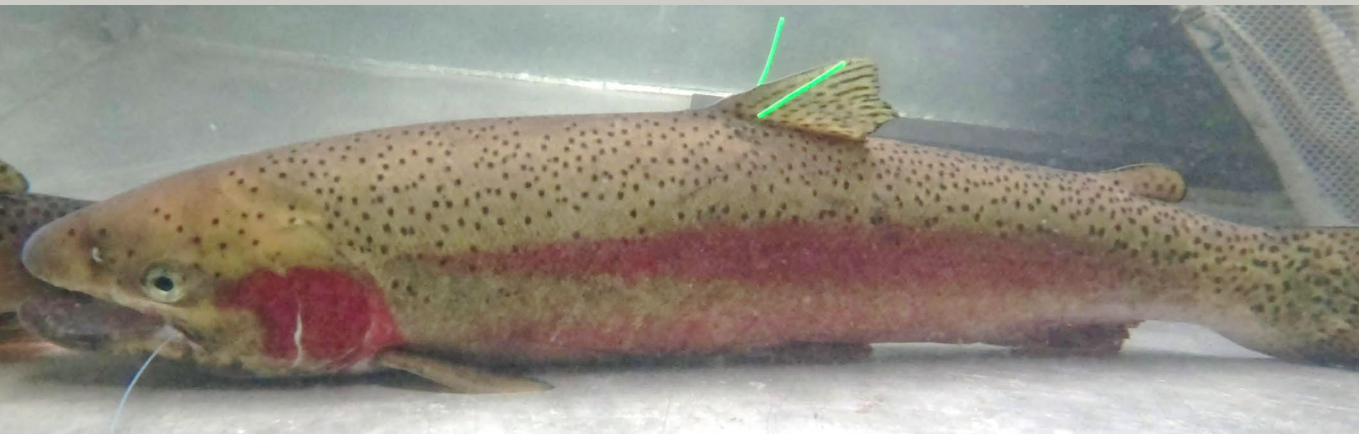


Adult Migration Update

Beth Bailey
2024 Fisheries Workshop





Outline

- Sockeye 2023
- Steelhead 2022-2023
- Chinook 2023
- Preview of 2024 runs





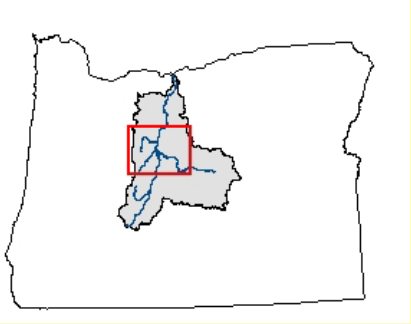
LM - this is a fish that was raised in the hatchery and dedicated to the reintroduction program. They receive a LM clip at the hatchery before release.

RM- these are fish that come into the SWW with no clip and are given a RM clip. This means that they are from natural production.

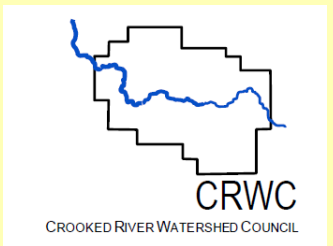
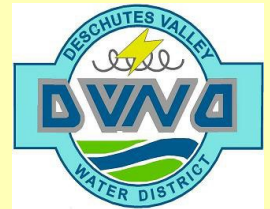


AD- these are RBH/WSNFH fish that are hatchery raised and produced for mitigation and broodstock. When broodstock goals are met, Chinook or steelhead may be passed above the project to bolster the reintroduction program.





- PGE/CTWS Dam
- Other Dam
- River/Creek/Reservoir/Lake
- Town
- Natural Barrier
- Radio Fixed Station





Twelve fixed stations operated in 2022-2023

- Five of those are operated by DVWD

Radio tagged fish

- Healthy fish are selected for radio tagging by:
 - size
 - sex
 - clip
 - PIT tag
 - release location
- 99 steelhead (76%)
- 53 Chinook (69%)
- No sockeye were radio tagged in 2023



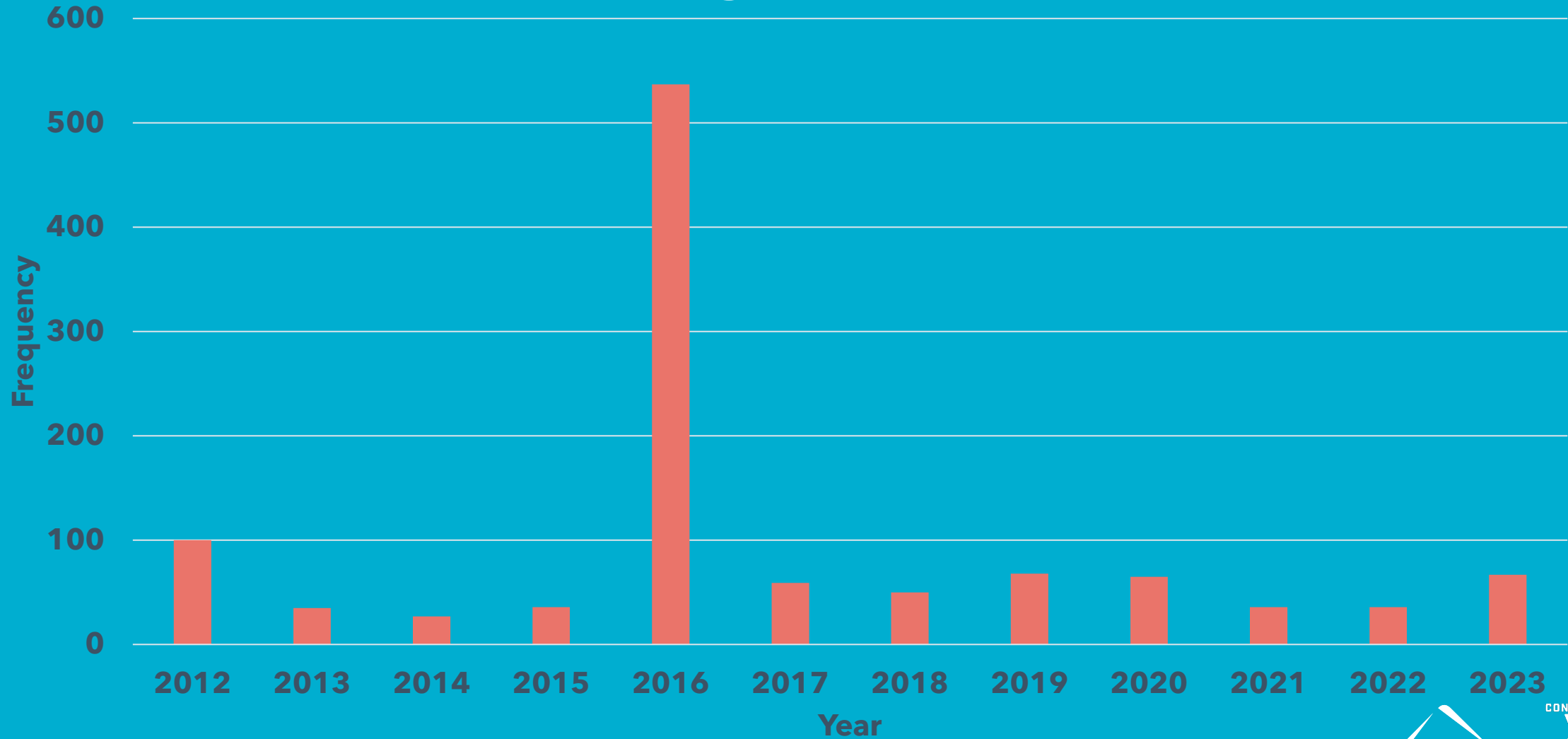
2023 Sockeye Returns

	Total
July	9
August	14
September	21
October	20
November	3
Run total	67

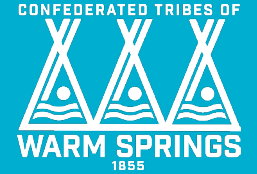
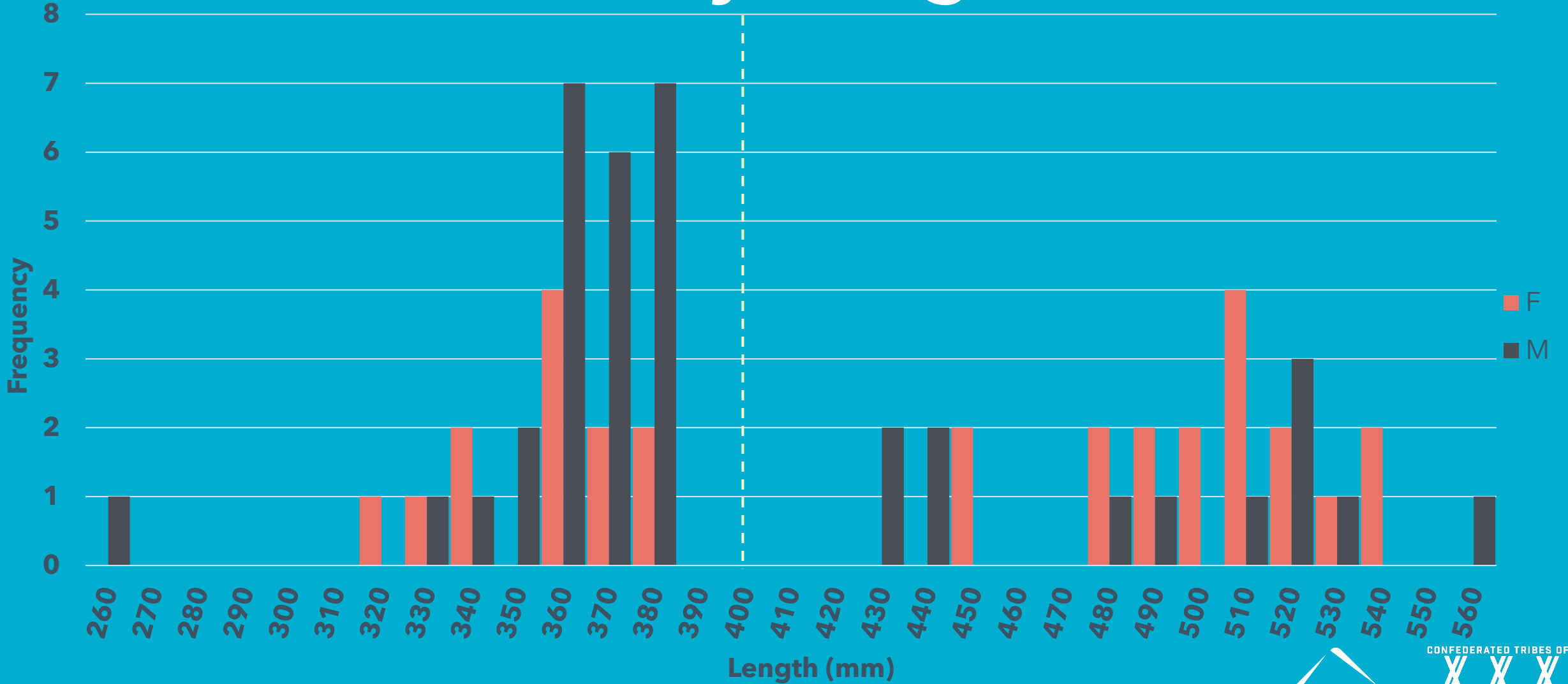
- All Sockeye captured at the Pelton Trap were passed above Round Butte Dam.
- No Sockeye were radio tagged in 2023.
- First Sockeye captured on July 26; last Sockeye captured on November 6.
- 38 males, 29 females.



Sockeye returns



Sockeye lengths



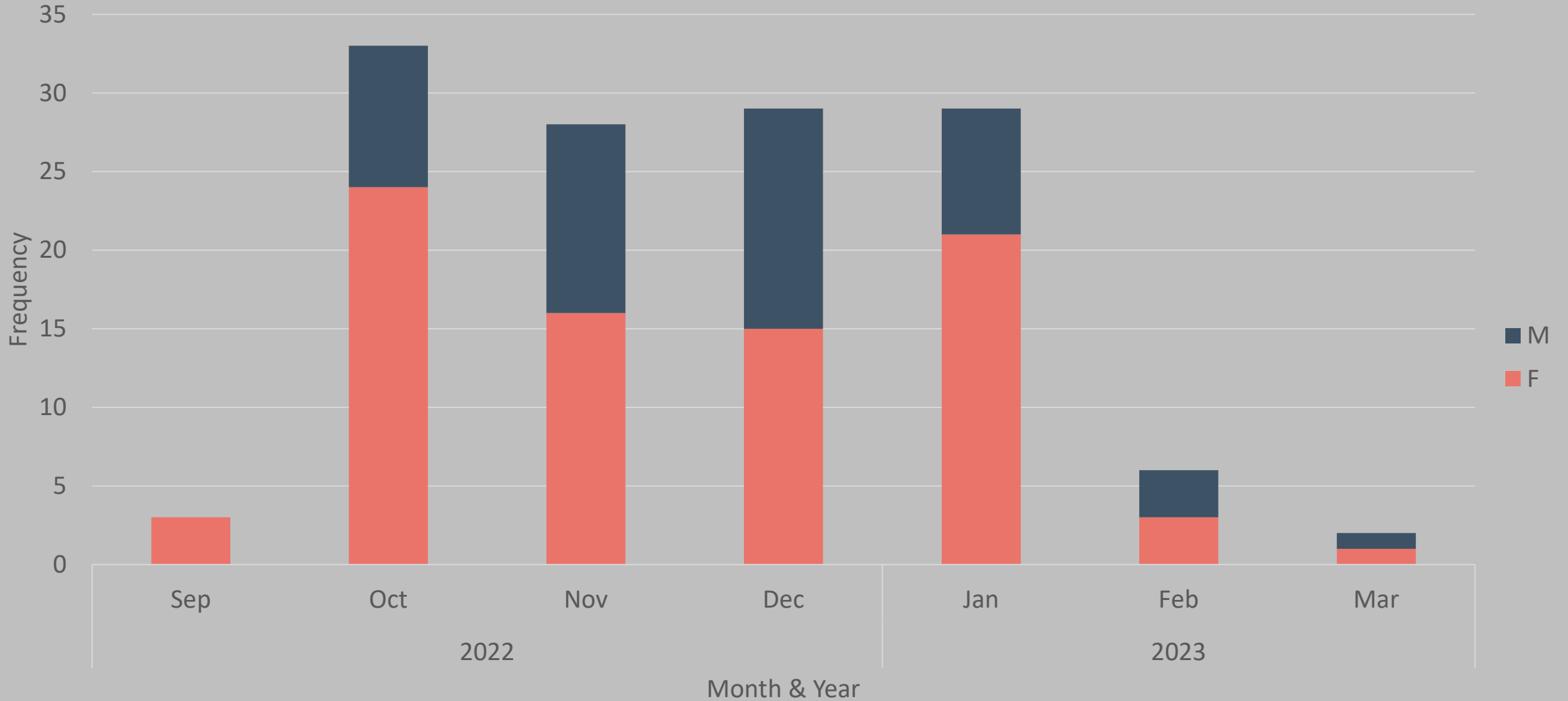
2022 - 2023 Summer Steelhead Return

**2022/2023 was a record year,
with the most steelhead passed
into the upper basin, to date.**

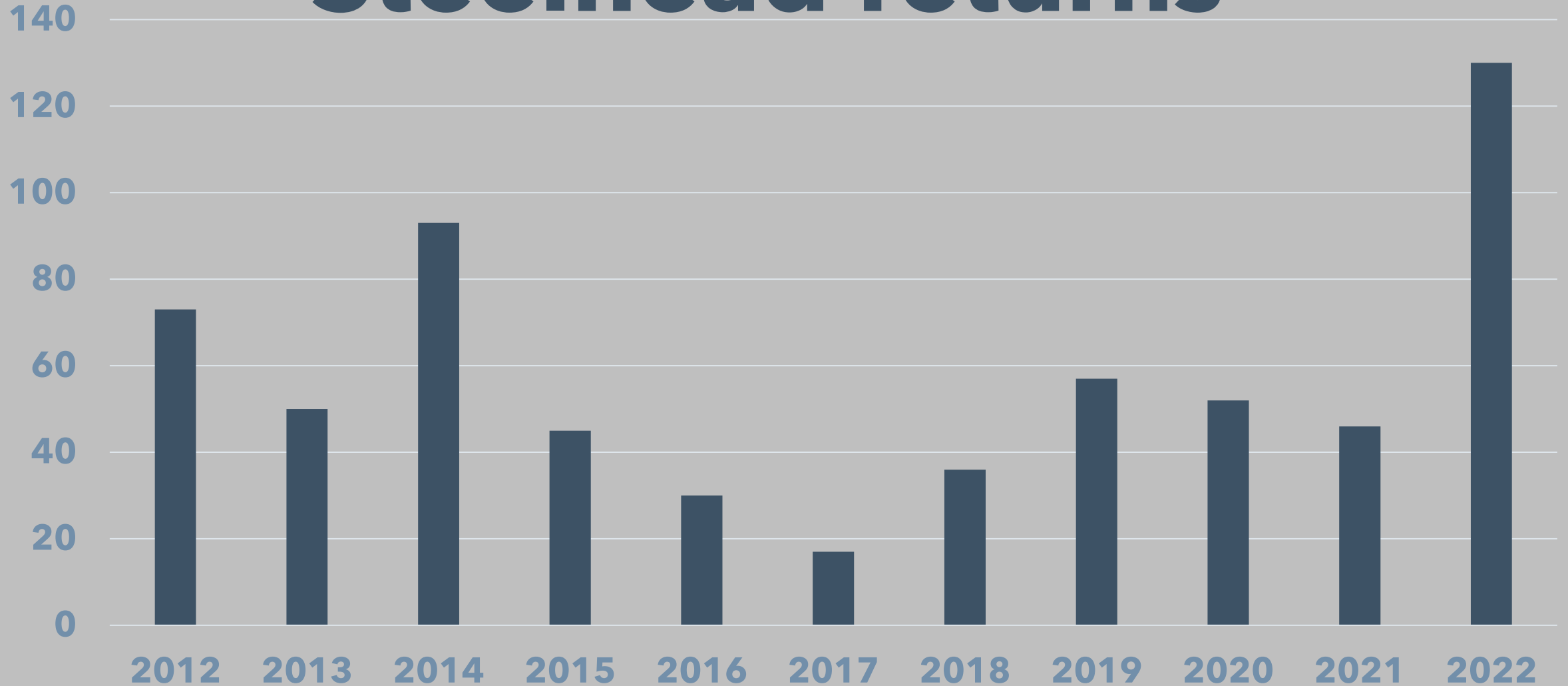
- 124 LM, 6 RM
- 47 males, 83 females
- 99 steelhead were radio tagged
- Average length of 25.5 inches



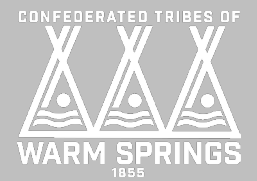
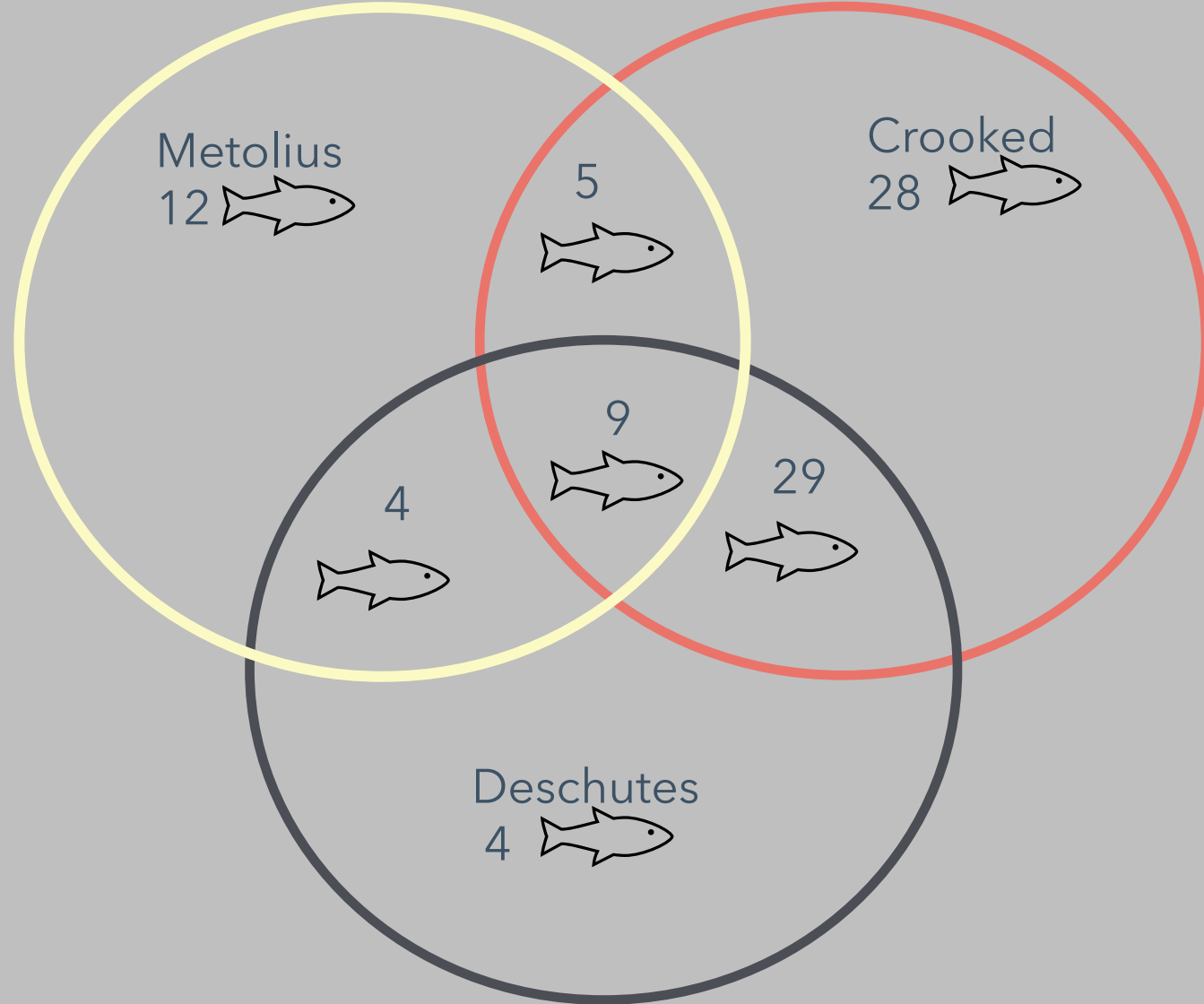
Steelhead timing



Steelhead returns



Steelhead migration behavior



Steelhead kelts



- A kelt is a steelhead that has already spawned and will migrate back to the ocean, then return to freshwater the next year to spawn a second time.
- Nine steelhead kelts were collected at the SWW in spring of 2023.
- Five had radio tags upon return.

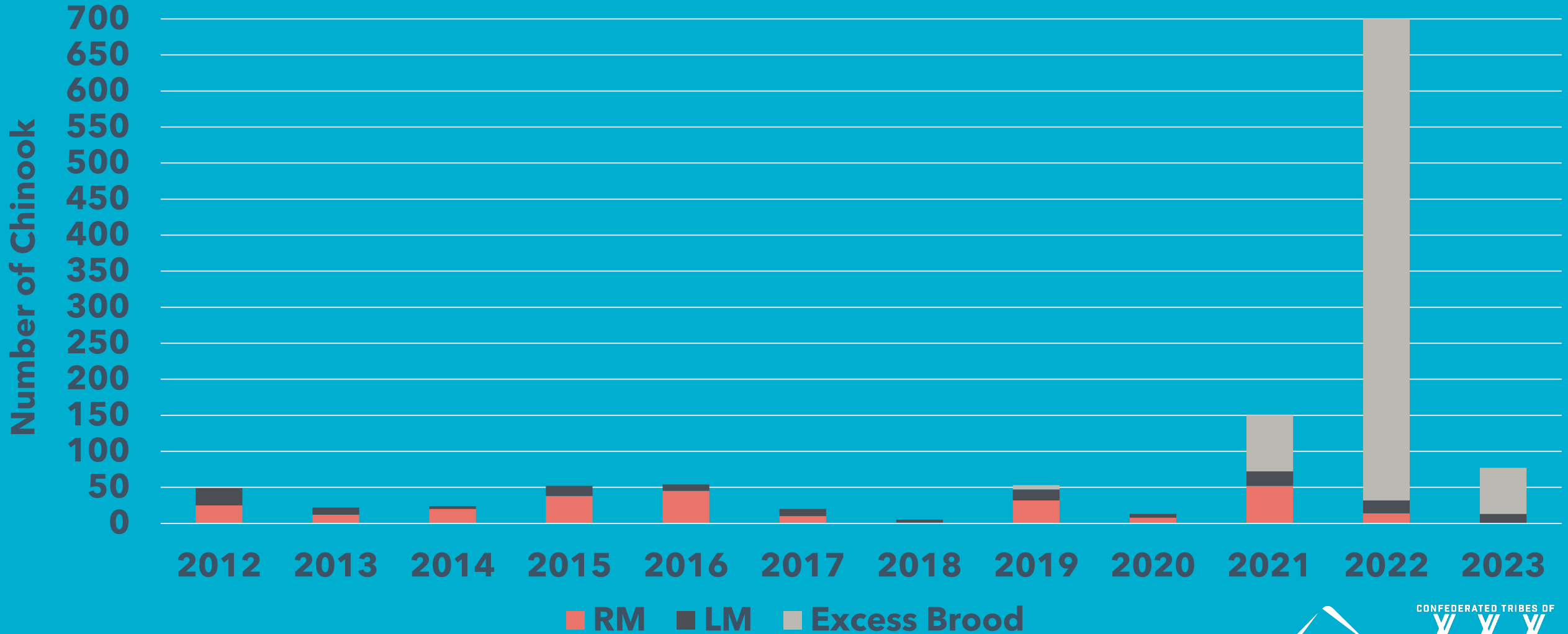


2023 Spring Chinook Returns

- 13 LM, 64 excess brood
- 40 females, 37 males
- 63 fish were radio tagged
- Average length of 25 inches



2023 adult Chinook returns



RM LM Excess Brood



Release locations for 2023 Chinook

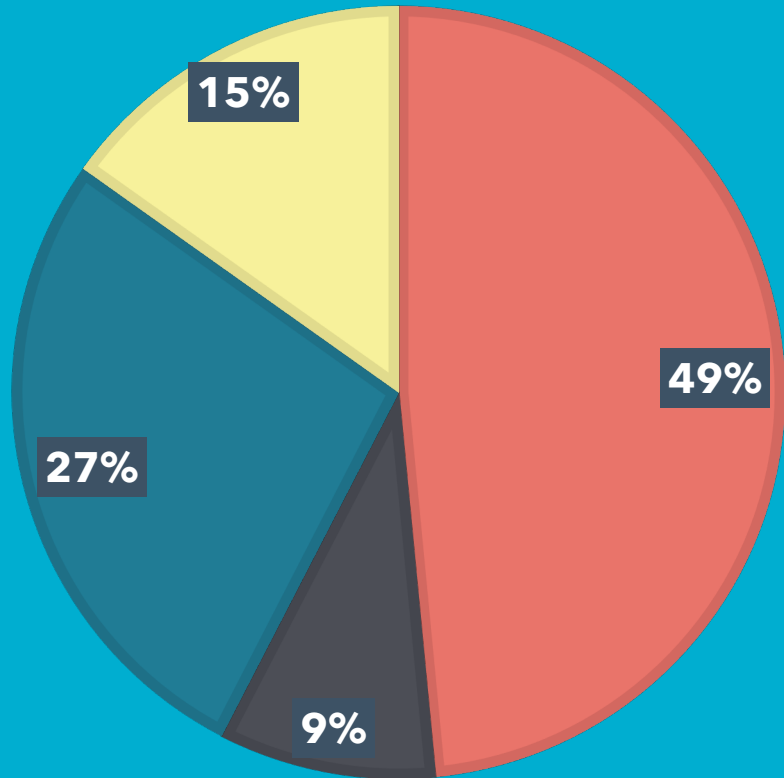
Release location	Female	Male	Jack	Total # released per site	# radio tagged
Metolius - Allingham Bridge	9	0	16	25	18
Metolius - Camp Sherman Bridge	10	0	4	14	12
Lake Billy Chinook ARF	21	2	15	38	33
Totals	40	2	35	77	63



Where did the Chinook go?

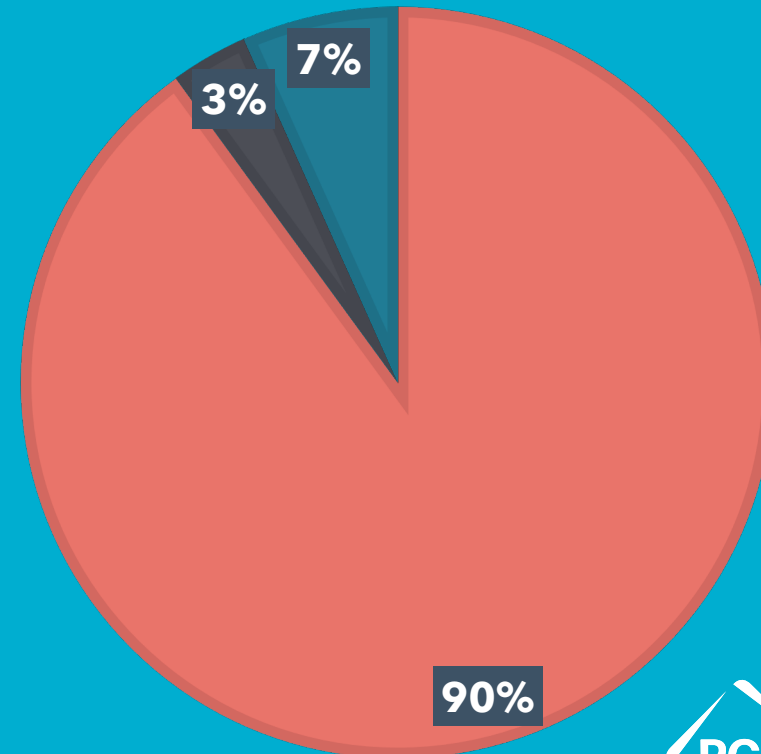
LBC RELEASES N=33

■ Metolius ■ Deschutes ■ Crooked ■ unknown

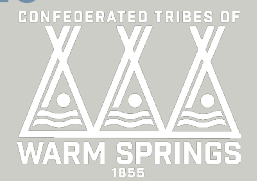
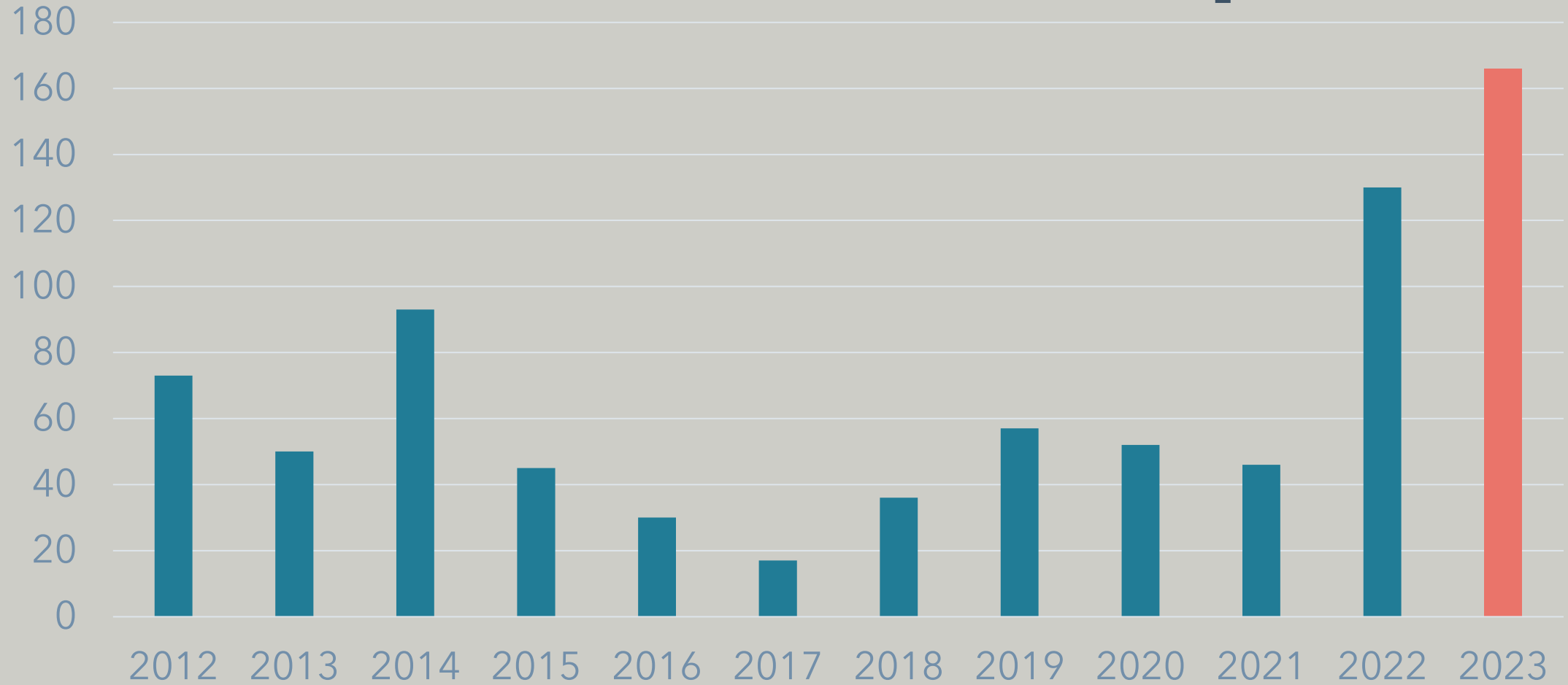


METOLIUS RELEASES N=30

■ Metolius ■ Deschutes ■ Crooked ■ unknown



2023-2024 Steelhead run preview



2024 Chinook and Sockeye preview

We are still collecting Chinook at the Pelton trap, but it has been slow.

90 Chinook have been passed upstream so far.

- 24 LM, 66 AD
- 16 females, 7 males and 67 jacks

The first sockeye arrived on July 8th and was released into Lake Billy Chinook.



Questions?

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beth.bailey@pgn.com

