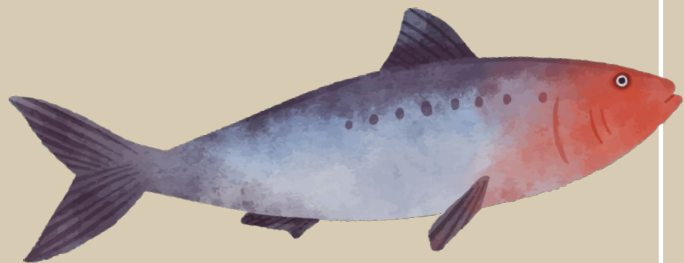


October

December

Streamkeeper



2024

Let's have a Look

INTRODUCTION



Picture from Emerging Fry Survey

17 Years

About the Program

WVSS is a Volunteer based program established in 2007. 22 programs in creeks and tributaries. We promote and maintain best practices for protecting and sustaining wild Pacific salmon stocks and stream habitat.



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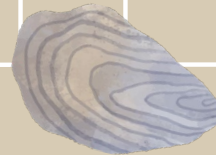
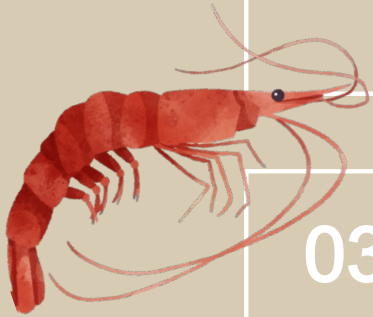
History

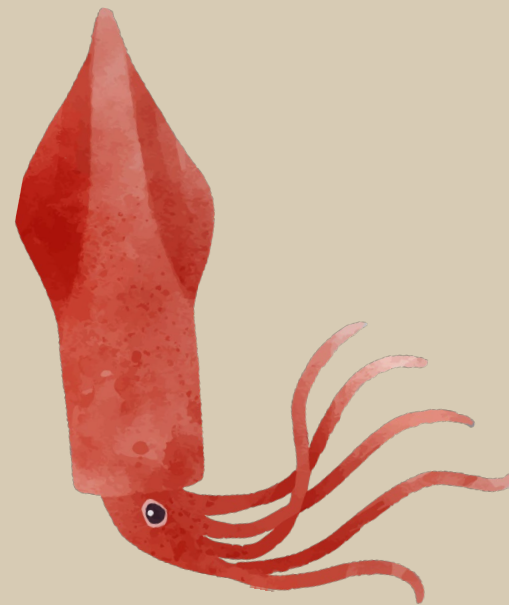
5-Zone comparison of the last 17 Years

05

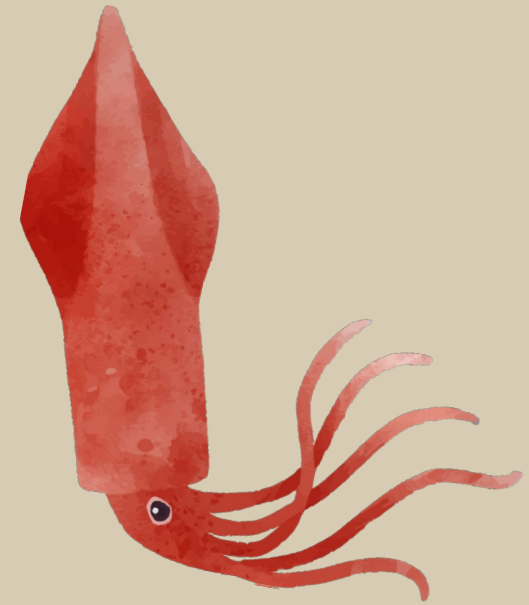
Broader Implications

What does the future hold for us?





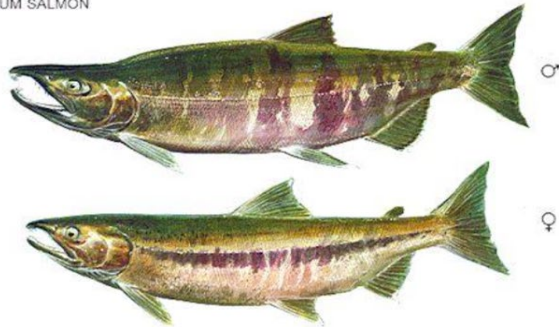
My Name is Oliver, Grade 12
Student at WVSS



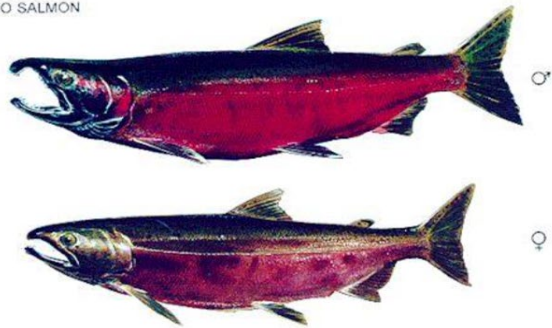
My Name is Ben, Grade 11 Student
at WVSS

Salmon Identification Chart

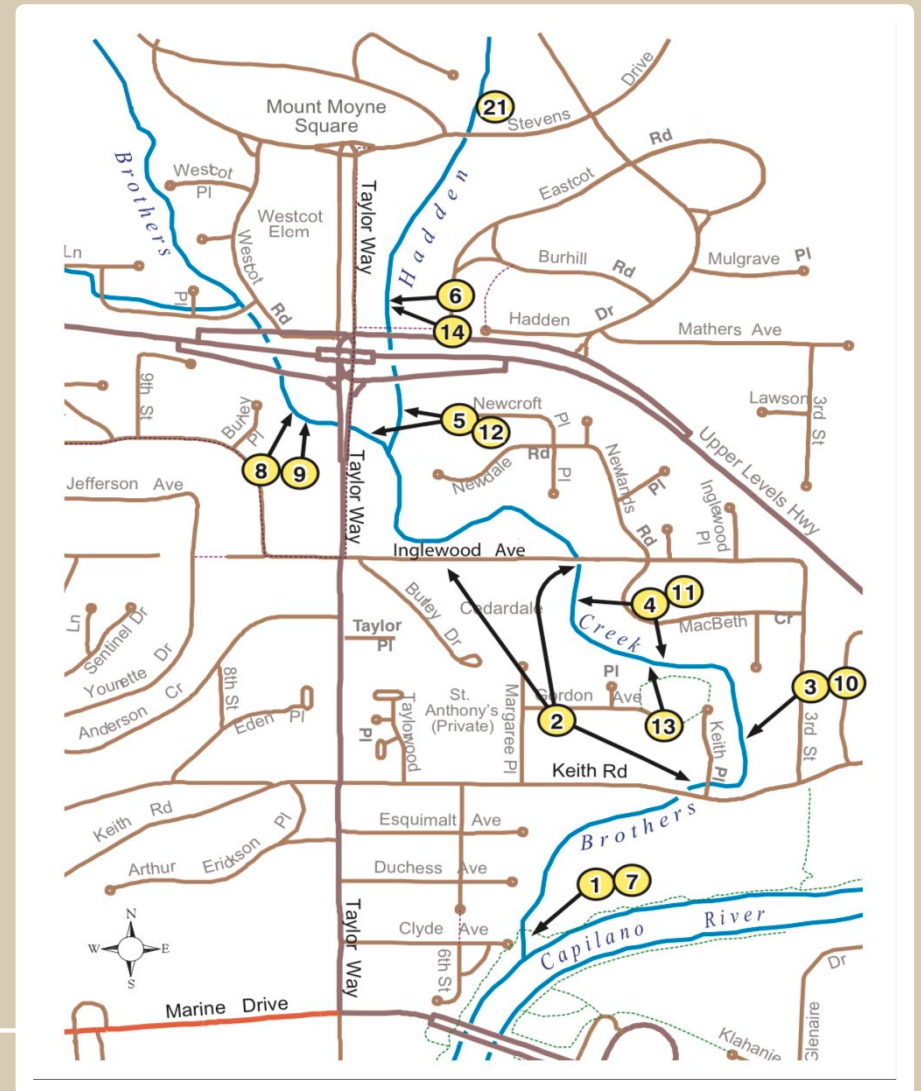
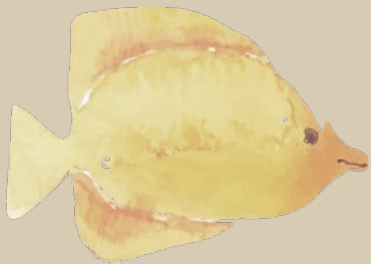
CHUM SALMON



COHO SALMON



Map of Survey Zones - 2024





Streamkeepers 2024



01

2024's Data

In graphs and visual representations



Atmospheric River in Week 1



Immediate Effects of the Atmospheric River

- **Flooding and High Stream Velocities** : Heavy rainfall caused streams to overflow, displacing salmon eggs
- **Sediment and Debris Influx** : Increased sediment and debris disrupted habitats and polluted our streams
- **Habitat Disturbance** : The storm altered streambeds, making some areas temporarily unsuitable for spawning.

What are long term effects shown

- **Gravel Redistribution** : The storm naturally reshaped streambeds, creating fresh and improved spawning grounds for salmon.
- **Habitat Renewal** : We noted healthier stream features post-storm, which supported the strong salmon returns in 2024.
- **Higher Water Levels**: This made it easier for Salmon to travel upstreams

Survey Highlights



Trends & Observations: Species Composition

1573

71.9% of total

- Most common local salmon
- More Prevalent in larger creeks (Brothers and Nelson)
- More present earlier on
- 5th Best Year

480

21.9% of total

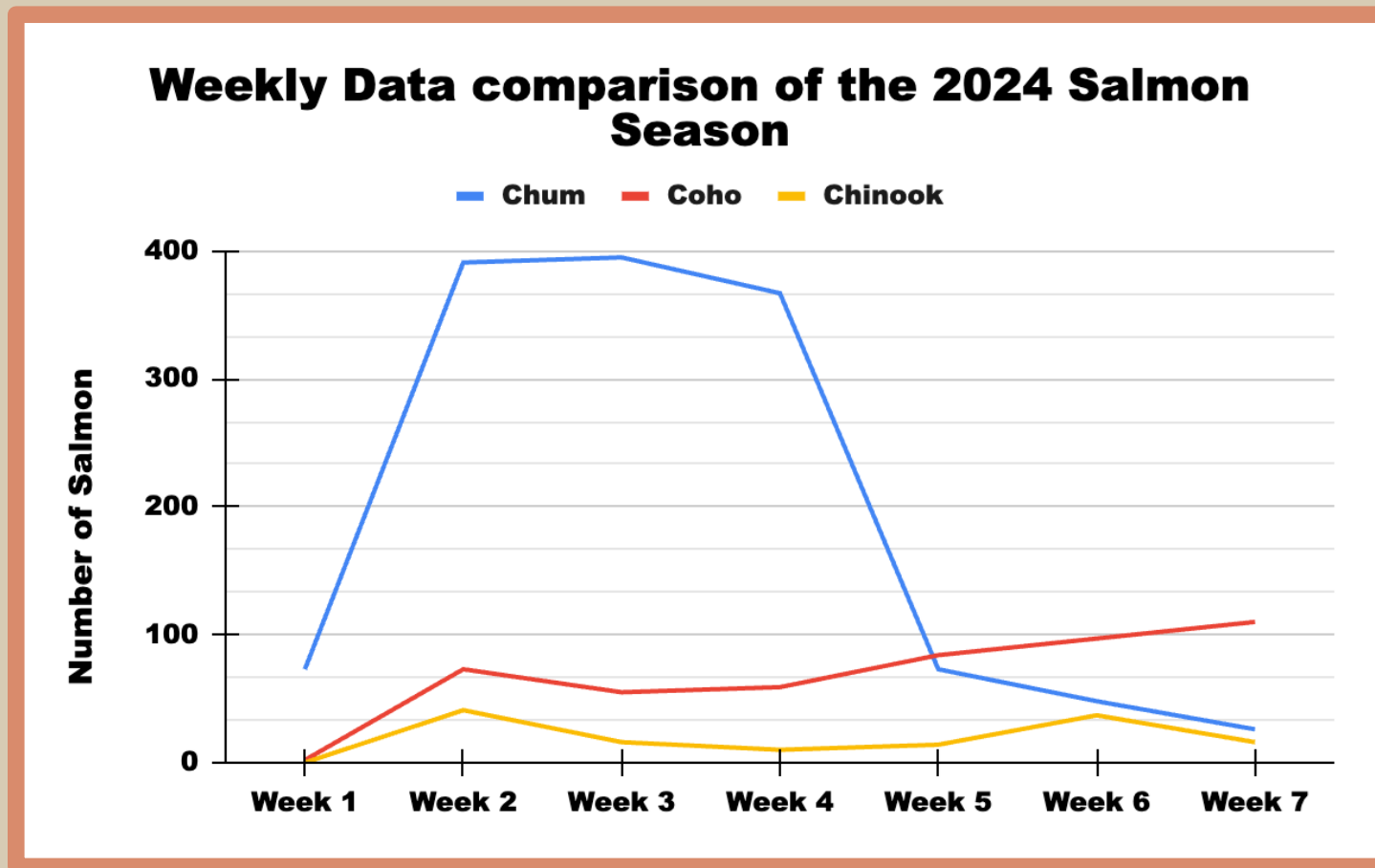
- Can appear anywhere but tended to dominate in smaller creeks
- Continued to see high numbers all and peaked in Week 7
- Best Year

134

6.1% of total

- Can appear anywhere but tended to dominate in smaller creeks
- Continued to see high numbers all and peaked in Week 7
- Second Best Year

Graph of 2024 for all 3 Salmon



Streamkeepers 2024

03

Experiences

What we Learned, What we Felt and some Pictures



Observation Highlights

Animal Sightings





Salmon... and Dead Ones Too









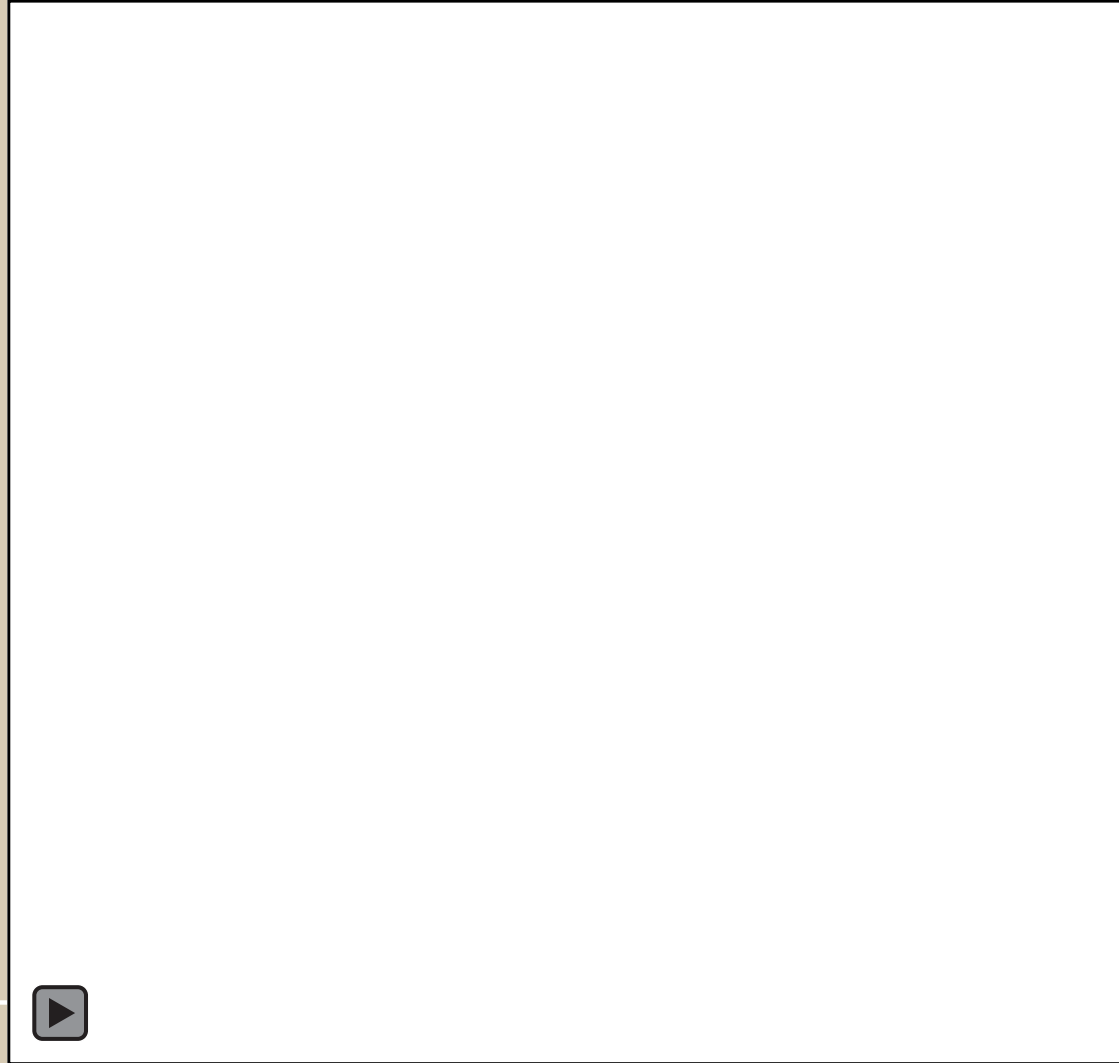


Team Photos!











Streamkeepers 2024

04

History

17 Years in the Working



West Vancouver Streamkeeper Society																	
SEVENTEEN YEAR COMPARISON - BROTHERS AND HADDEN CREEKS																	
By Species of Salmon - 5 Zones Only (#1, #2, #4, #5 and #8)																	
	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
Chum	270	242	601	119	287	660	985	326	186	698	136	156	32	80	119	56	588
Coho	67	26	66	51	31	44	55	95	68	41	48	109	36	58	35	103	166
Chinook	0	0	0	6	0	1	0	154	0	13	38	7	0	7	1	5	43
5 Zones	337	268	667	176	318	705	1040	575	254	752	222	272	68	145	155	164	797
Pinks	0	0	0	0	27	0	294	0	56	0	0	0	0	1	0	3	0
5 Zones	337	268	667	176	345	705	1334	575	310	752	222	272	68	146	155	167	797
Highlights for 2024 - coho - best year yet, chinook - second best year, chum 5th best year.																	
These five zones have been consistently surveyed every year for 17 years and have been filtered for morts and double counting.																	
Report produced: Dec. 4, 2024																	

Streamkeepers 2024

05

Broader Implications

What more is possible?



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