

How to Access Fish Data

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Washington
Department of
**FISH &
WILDLIFE**



Data.wa.gov

- As of April 23, 2021, our SGS (Spawning Ground Survey) Database is now a public facing site.
- This is the same information we enter into our Ipads.
- Currently data goes through 2020 return year for Region 5 or SW Washington.
- The abundance estimates by basin are available on State of the Salmon through 2023, but individual stream surveys for lives, deads, and redds are currently on data.wa.gov through 2020.
- Danny Warren has been busy building a new database FTS (Fish Traps Surveys) for Region 6. He said he is hoping to update data.wa.gov through 2023 in the next few months. I will keep bugging him about it!
- This shows all of our stream surveys.
- Some surveys go back to 1930.
- If you need data more current than 2020, contact Steve West for a data request.

Click on Actions then query data.

https://data.wa.gov/Natural-Resources-Environment/WDFW-SGS/idwx-fext/about_data

the Washington state government [Here's how you know](#)

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the official Washington state open data portal

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ta Related Content

WDFW-SGS **Natural Resources & Environment**

A nightly summary of live fish counts, dead fish counts, and redd counts stored in the WDFW Spawning Ground Survey (SGS) database.

*Disclaimer: This is an evolving dataset and does not contain every survey conducted b...

[Read more](#)

Last Updated
November 6, 2024

Data Provided By
WDFW

About this Dataset

Updated November 6, 2024		Temporal	
Data Last Updated	Metadata Last Updated	Period of Time	1930-Present
November 6, 2024	October 23, 2024	Posting Frequency	Nightly
Date Created April 23, 2021		Topics	
Views 5,013	Downloads 1,485	Category	Natural Resources & Environment
Data Provided by WDFW		Tags	wdfw, spawning ground survey, salmon, steelhead
Dataset Owner WDFW Data			

Then go down to filters and select a column to filter.

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Export

<div>SurveyID</div> <div>surveyid</div>	<div>SurveyDate</div> <div>surveydate</div>	<div>StartTime</div> <div>starttime</div>	<div>StopTime</div> <div>stoptime</div>	<div># WRIA</div> <div>wria</div>
10158	10/17/2022			7
10159	10/17/2022			7
10160	10/17/2022			7
10161	10/17/2022			7
10162	10/17/2022			7
10163	10/17/2022			7
10164	10/17/2022			7
10165	10/17/2022			7
10166	10/17/2022			7
10167	10/17/2022			7
10168	10/17/2022			7

1 of 11791

Showing rows: 1-100 of 117907

Filters

Clear all

Select a column to filter...

The easiest way to filter is with StreamName. Change the next field to is. Then type in stream name. Click on Apply

Filters | Clear all

StreamName is Coal Creek

+ AND

Apply

Now you are ready to click export on the upper right side.

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Search

Export

#	SurveyID	SurveyDate	StartTime	StopTime	#	WRIA
	i91183	09/05/2022				8
	i91183	09/05/2022				8
	i91184	11/07/2022				8
	i91184	11/07/2022				8
	i91184	11/07/2022				8
	i91185	09/12/2022				8
	i91185	09/12/2022				8
	i91186	09/19/2022				8
	i91186	09/19/2022				8
	i91187	09/26/2022				8

< 1 of 11 >

Showing rows 1-100 of 1023

Filters | Clear all

StreamName

is

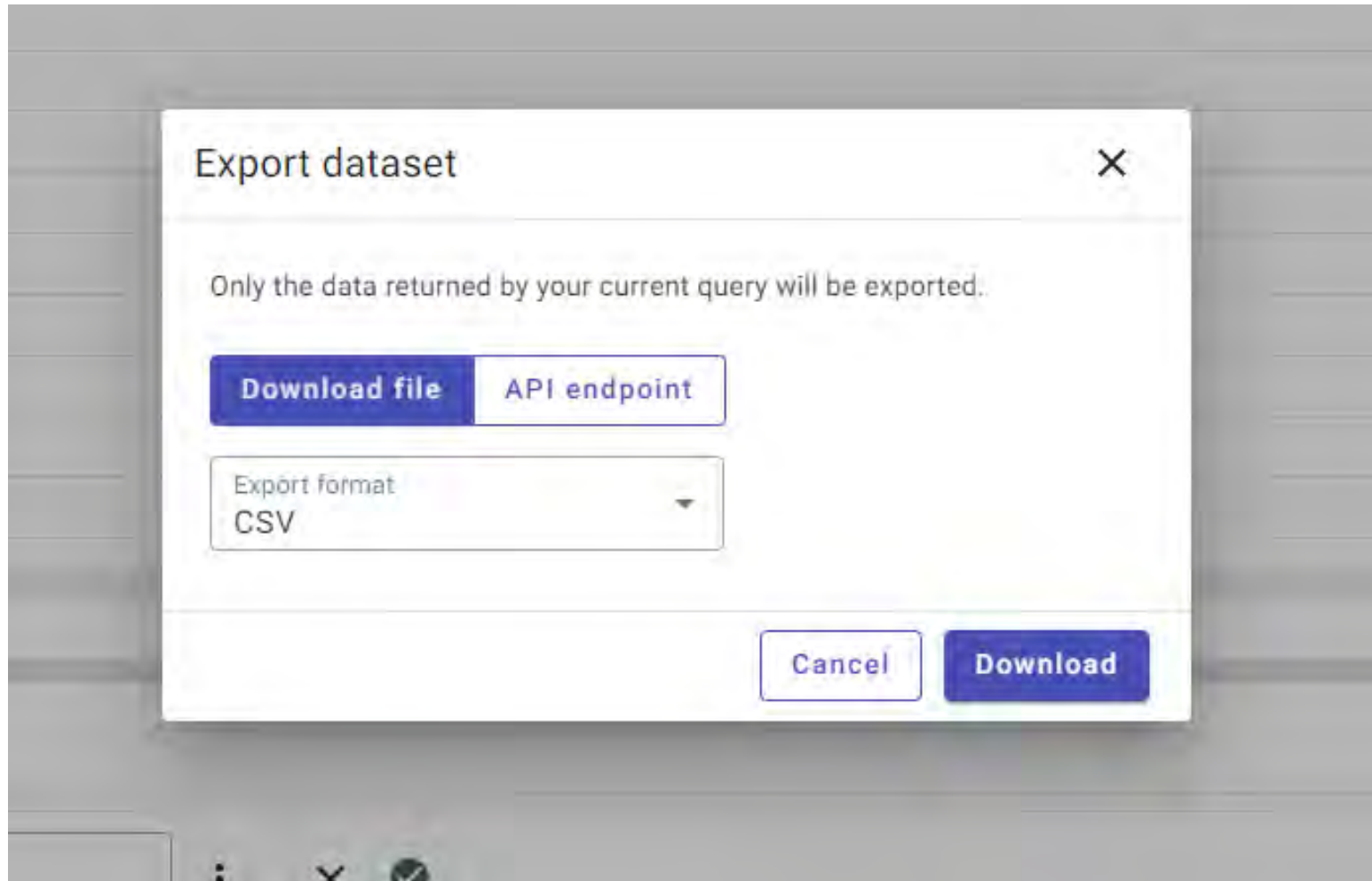
Coal Creek

×

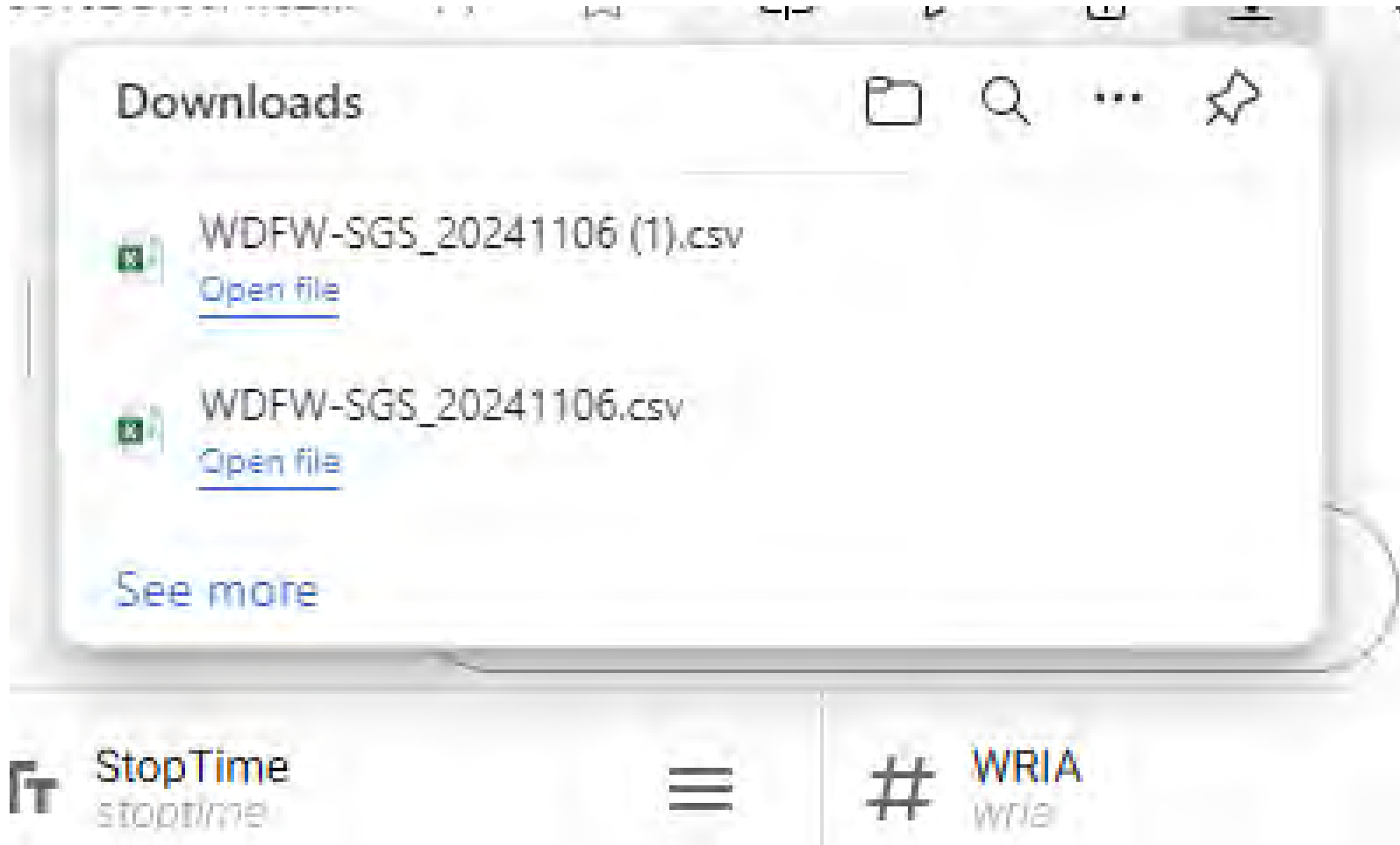
✓

+ AND

Click Download



Then open your downloaded file.



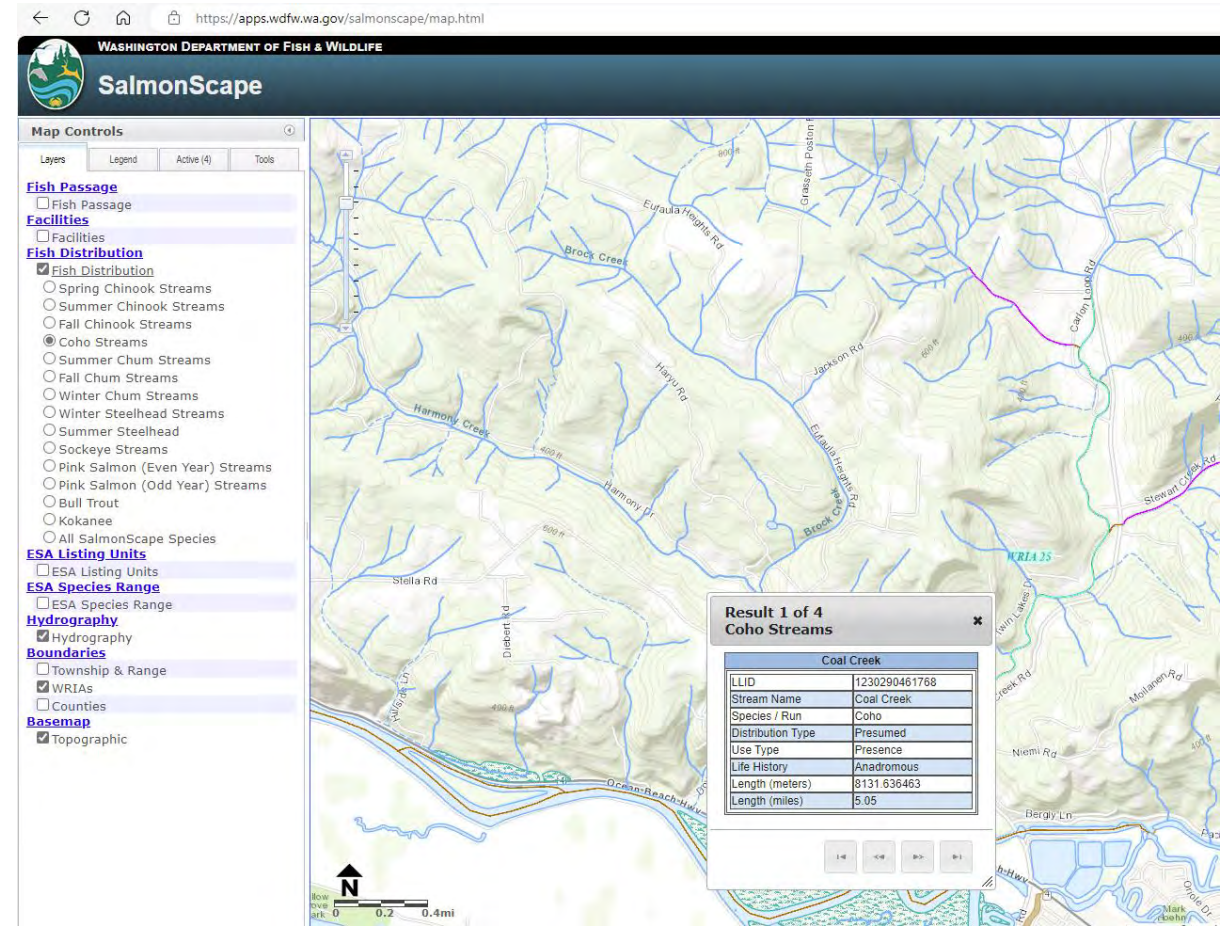
Caveats of Stream Name

- I picked this example to show you one of the caveats of using stream name. What this pulled is a Coal Creek in WRIA 8, not the one in our region which is WRIA 25.
- If the stream name is not typed out exactly how it is in the database, it won't pull it.
- It turns out that the WRIA 25 Coal Creek is typed in like this - COAL Creek 25.0340

	A	B	C	D	E	F	G	H	I	J	K	
1	SurveyID	SurveyDate	StartTime	StopTime	WRIA	StreamCa	StreamName	LLID	Tributary	UpperRive	LowerRiveUp	
2	691183	9/5/2022			8	8.0268	Coal Creek	1.22E+12		0.8	0	
3	691183	9/5/2022			8	8.0268	Coal Creek	1.22E+12		0.8	0	
4	691184	11/7/2022			8	8.0268	Coal Creek	1.22E+12		0.8	0	

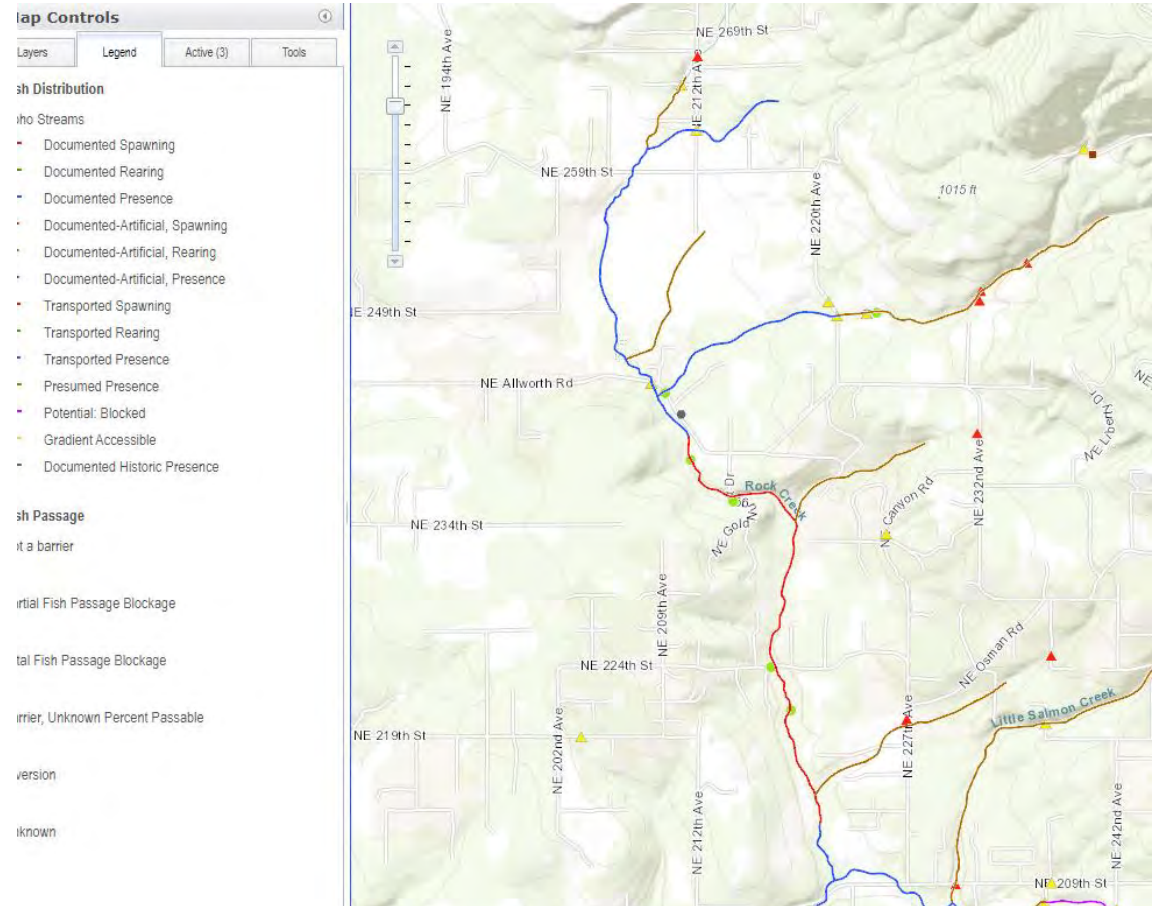
Salmonscape

- <https://apps.wdfw.wa.gov/salmonscape>
- You can use this salmonscape link to find WRIA and also LLID (Latitude Longitude ID).
- LLID is another filter field in data.wa.gov



Salmonscape

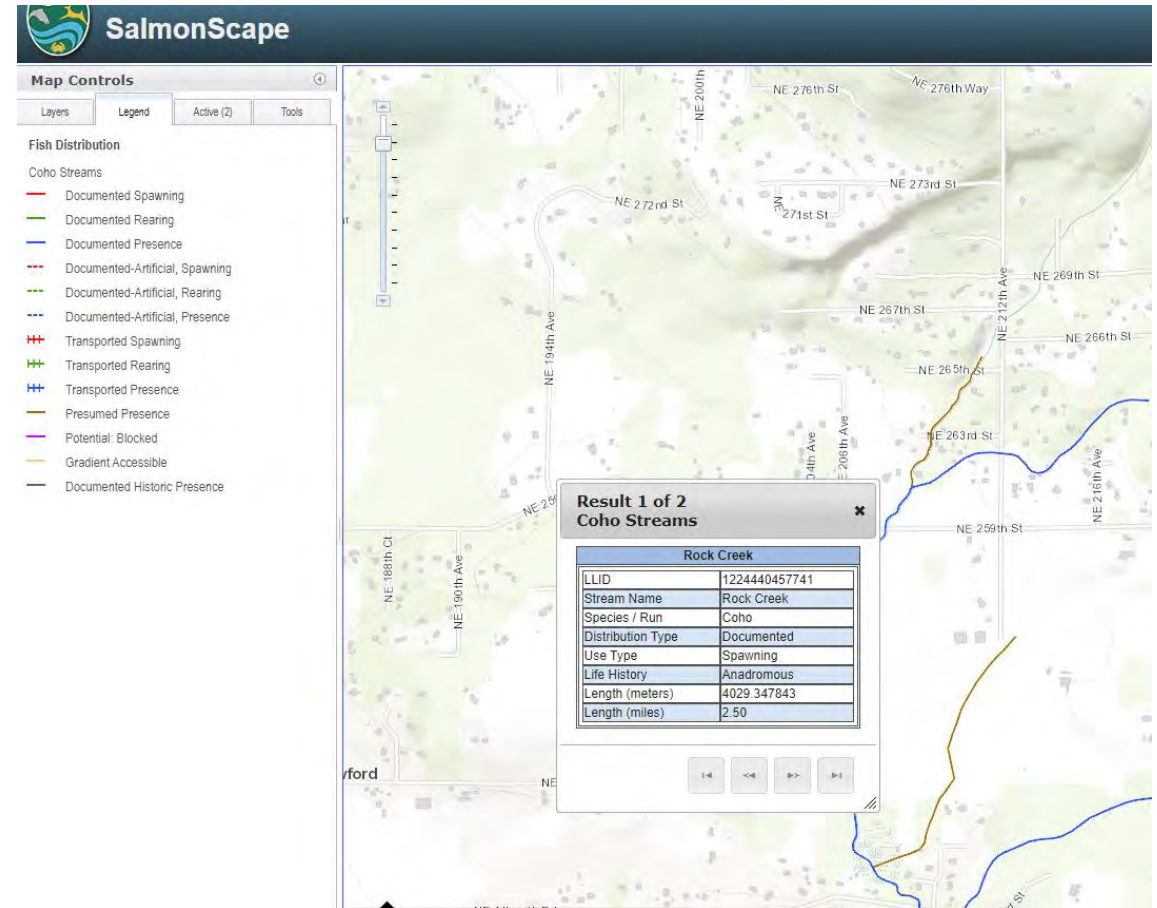
- <https://apps.wdfw.wa.gov/salmonscape>
- You can also use salmonscape to look at fish distribution by species.



Salmonscape

Salmonscape

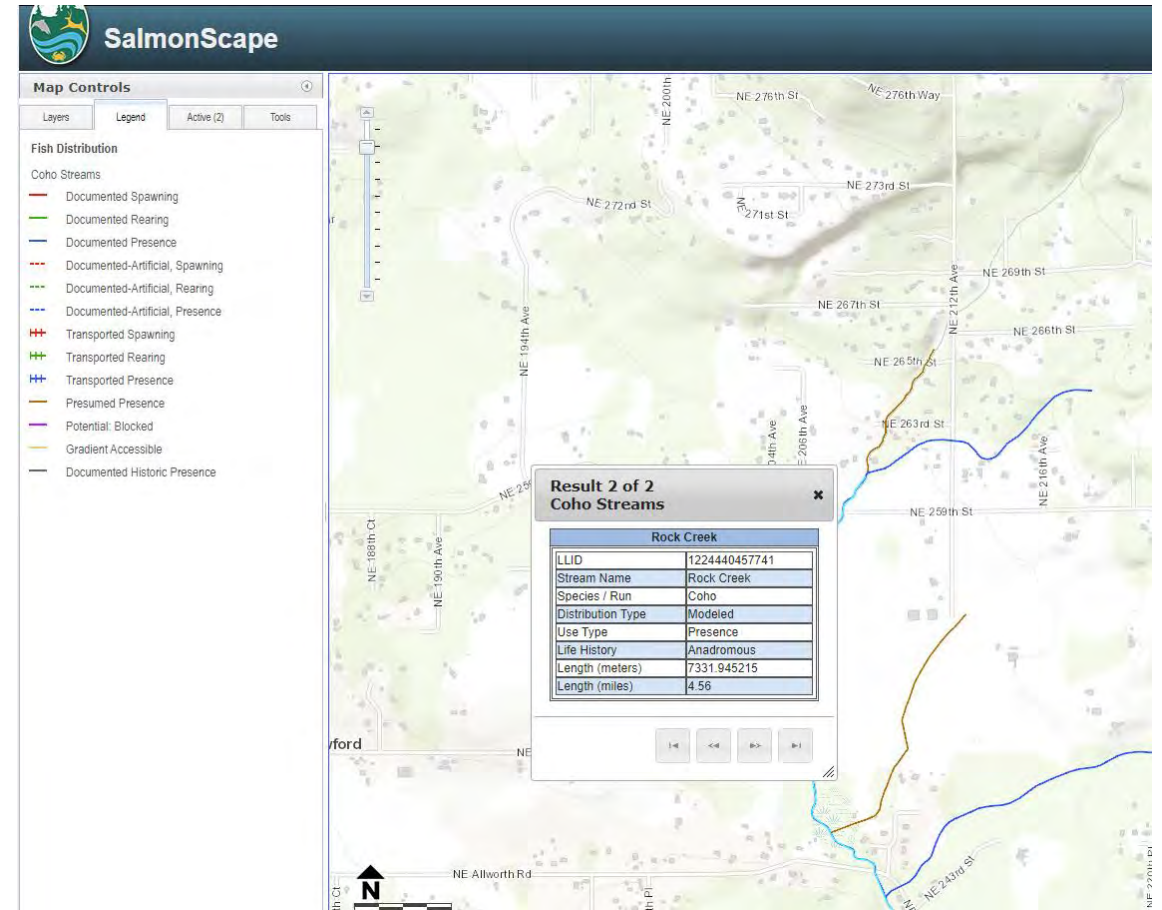
- The legend doesn't show you modeled distribution, but you can access that by clicking on a stream.
- In this image you can see Documented for coho.
- Result 2 is modeled.



Salmonscape

Salmonscape

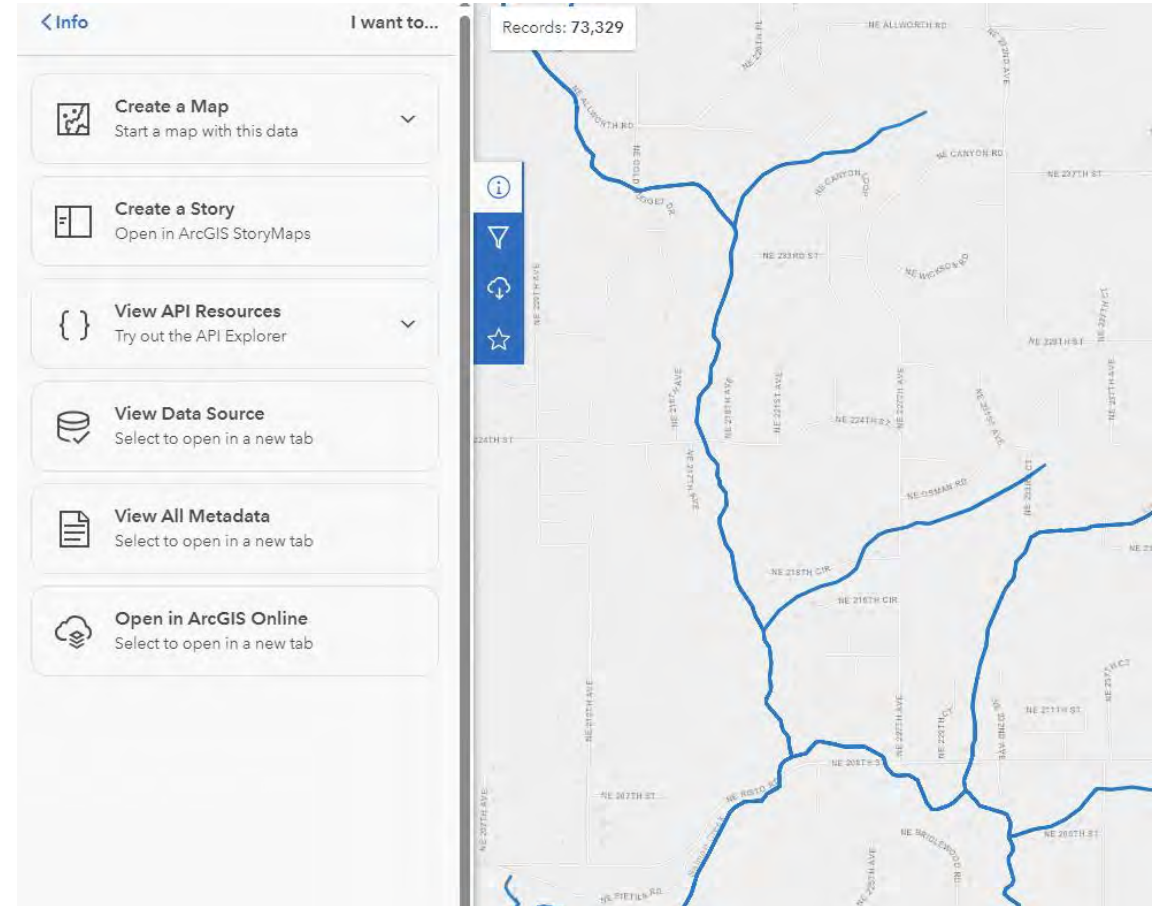
- Result 2 is modeled.
- See how the turquoise line shows up?
- That is the top of modeled distribution for coho.



Salmonscape

SWIFD

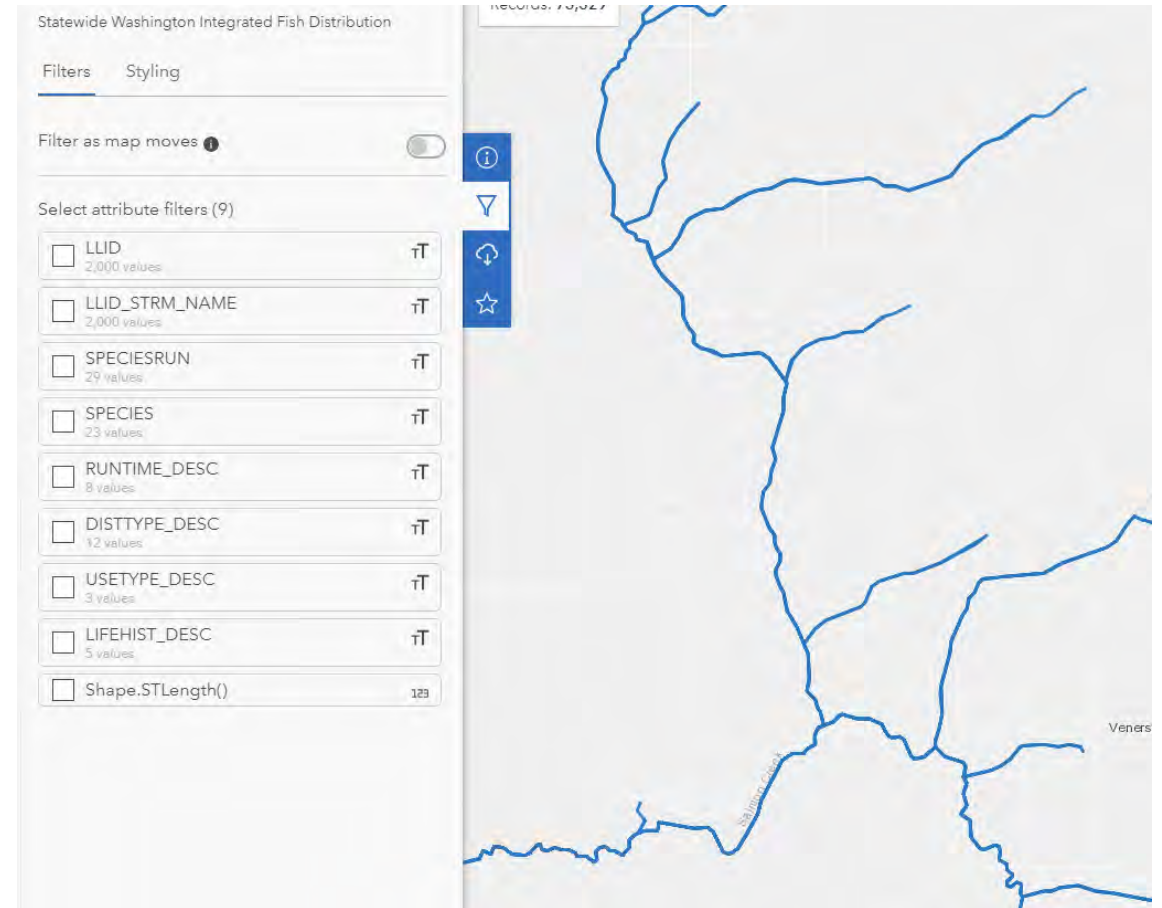
- [Statewide Washington Integrated Fish Distribution | Washington State Geospatial Open Data Portal](#)
- Zoom in to your stream first.
- You can also use SWIFD to see modeled distribution.
- Hit the filter button.



Salmonscape

SWIFD

- Check DISTTYPE_DESC
- Also check SPECIES



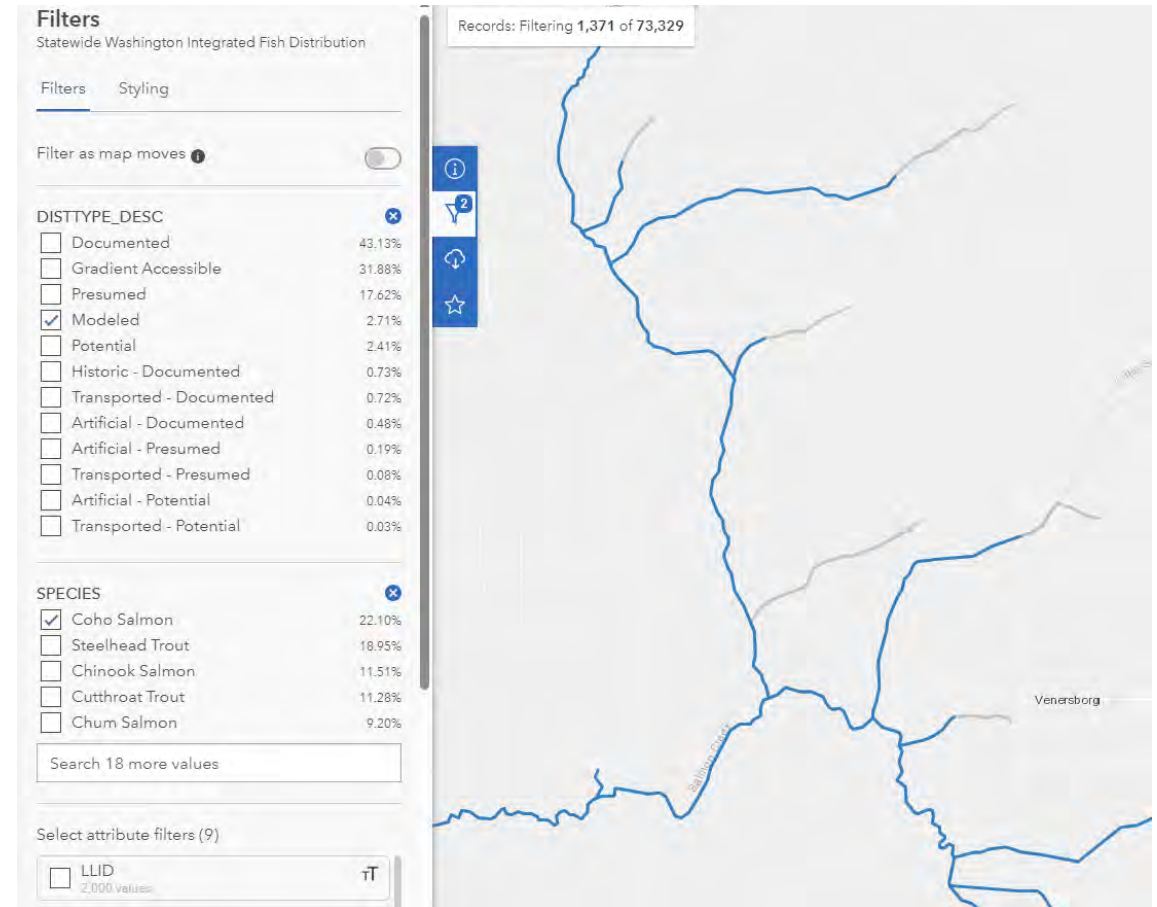
SWIFD

- Check DISTTYPE_DESC
- Also check SPECIES

Salmonscape

SWIFD

- Check Modeled.
- Check which species as well.



Salmonscape

Data Pull – what are you looking at?

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	
sAk	Species	Run	RunYear	Origin	Estimated	CWTDetect	LiveTotal	LiveAdult	LiveAdult	LiveAdult	LiveJack	DeadTotal	DeadAdult	DeadAdult	DeadAdult	DeadJack	DeadPrev	NewRedd	PreviousR	Combined	SpeciesCc	AdiposeCl	AdiposeCl	AdiposeCl	NoAdipos	No
	Chinook S	Unknown	2016			Electronic	0					0						0			It is called Coal Creek for a reason. Visibility sucks!					
	Chum Salr	Fall	2016			Electronic	0					0								0	It is called Coal Creek for a reason. Visibility sucks!					
	Coho Salr	Fall	2016			Electronic	0					0								0	It is called Coal Creek for a reason. Visibility sucks!					
	Steelhead	Unknown	2016			Electronic	0					0								0	It is called Coal Creek for a reason. Visibility sucks!					
	Chinook S	Unknown	2016			Electronic	0					0						0			Visibility sucks					
	Chum Salr	Fall	2016			Electronic	0					0								0	Visibility sucks					
	Coho Salr	Fall	2016			Electronic	0					0								0	Visibility sucks					
	Steelhead	Unknown	2016			Electronic	0					0								0	Visibility sucks					
	Chinook S	Unknown	2016			Electronic	0					0						0			None					
	Chum Salr	Fall	2016			Electronic	0					0								0	None					
	Coho Salr	Fall	2016			Electronic	0					0								0	None					
	Steelhead	Unknown	2016			Electronic	0					0								0	None					
	Chinook S	Unknown	2016			Electronic	0					0						0			None					
	Chum Salr	Fall	2016			Electronic	0					0								0	None					

- You can filter by species or sort date oldest to newest.
- Besides river miles surveyed, you can see counts of Lives, Deads, and Redds.
- If you sort by river miles, you can tell where we have surveyed, but also where we have not surveyed!

What do project sponsors use this data for?

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	
sAk	Species	Run	RunYear	Origin	Estimated	CWTDeter	LiveTotal	LiveAdult	LiveAdult	LiveAdult	LiveJack	DeadTotal	DeadAdul	DeadAdul	DeadAdul	DeadJack	DeadPrev	NewRedd	PreviousR	Combined	SpeciesCc	AdiposeCl	AdiposeCl	AdiposeCl	NoAdipos	No.
	Chinook S	Unknown	2016			Electronic	0					0						0			It is called Coal Creek for a reason. Visibility sucks!					
	Chum Salr	Fall	2016			Electronic	0					0								0	It is called Coal Creek for a reason. Visibility sucks!					
	Coho Salr	Fall	2016			Electronic	0					0								0	It is called Coal Creek for a reason. Visibility sucks!					
	Steelhead	Unknown	2016			Electronic	0					0								0	It is called Coal Creek for a reason. Visibility sucks!					
	Chinook S	Unknown	2016			Electronic	0					0						0			Visibility sucks					
	Chum Salr	Fall	2016			Electronic	0					0								0	Visibility sucks					
	Coho Salr	Fall	2016			Electronic	0					0								0	Visibility sucks					
	Steelhead	Unknown	2016			Electronic	0					0								0	Visibility sucks					
	Chinook S	Unknown	2016			Electronic	0					0						0			None					
	Chum Salr	Fall	2016			Electronic	0					0								0	None					
	Coho Salr	Fall	2016			Electronic	0					0								0	None					
	Steelhead	Unknown	2016			Electronic	0					0								0	None					
	Chinook S	Unknown	2016			Electronic	0					0						0			None					
	Chum Salr	Fall	2016			Electronic	0					0								0	None					

- They can see what species we have seen in a particular stream.
- They can filter river miles to see if we have seen fish above a particular culvert.
- They can see if we have seen anything in a particular reach.

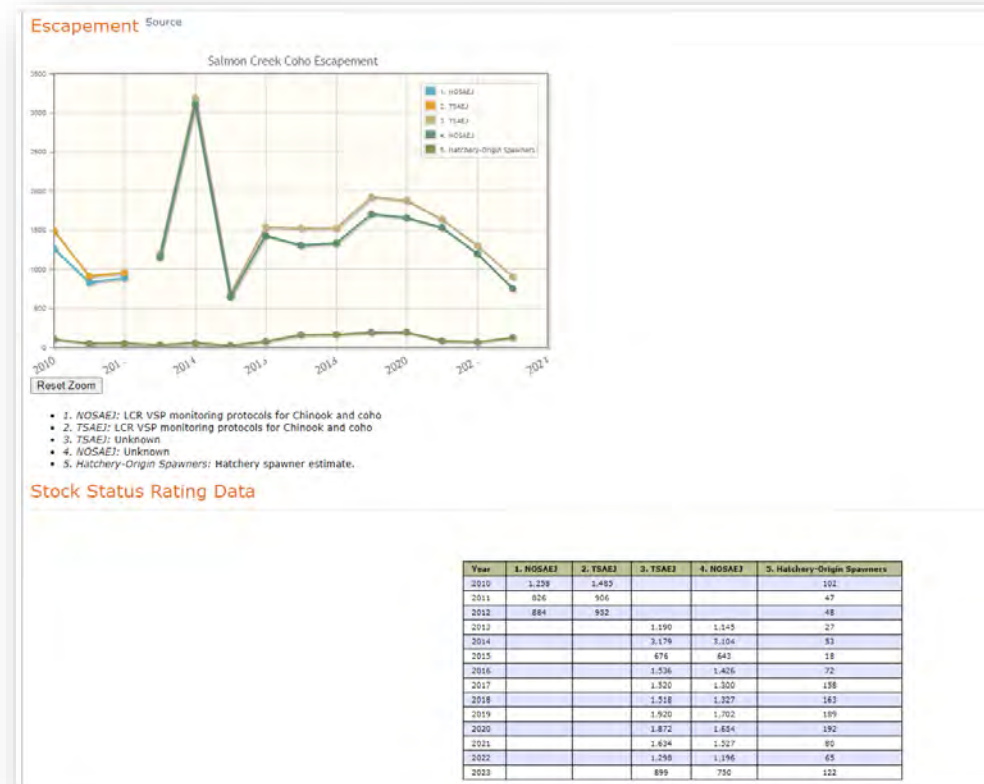
What are some misinterpretations of this data?

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	
sAk	Species	Run	RunYear	Origin	Estimated	CWTDetec	LiveTotal	LiveAdult	LiveAdult	LiveAdult	LiveJack	DeadTotal	DeadAdul	DeadAdul	DeadAdul	DeadJack	DeadPrev	NewRedd	PreviousR	Combinec	SpeciesCc	AdiposeCl	AdiposeCl	AdiposeCl	NoAdipos	No
	Chinook S	Unknown	2016			Electronic	0					0						0			It is called Coal Creek for a reason. Visibility sucks!					
	Chum Salr	Fall	2016			Electronic	0					0								0	It is called Coal Creek for a reason. Visibility sucks!					
	Coho Salr	Fall	2016			Electronic	0					0								0	It is called Coal Creek for a reason. Visibility sucks!					
	Steelhead	Unknown	2016			Electronic	0					0								0	It is called Coal Creek for a reason. Visibility sucks!					
	Chinook S	Unknown	2016			Electronic	0					0						0			Visibility sucks					
	Chum Salr	Fall	2016			Electronic	0					0								0	Visibility sucks					
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	Chum Salr	Fall	2016			Electronic	0					0								0	None					
	Coho Salr	Fall	2016			Electronic	0					0								0	None					
	Steelhead	Unknown	2016			Electronic	0					0								0	None					
	Chinook S	Unknown	2016			Electronic	0					0						0			None					
	Chum Salr	Fall	2016			Electronic	0					0								0	None					

- No data does not equate to no fish!
- We don't know until we survey.
- Remember run timing – Did we survey there at a time that species would be there?
Steelhead in the spring?
- Counts from one stream do not equate to entire basin estimates.
- We are recovering populations, not fish in individual reaches.
- Scaling up is important when applying fish observation data.

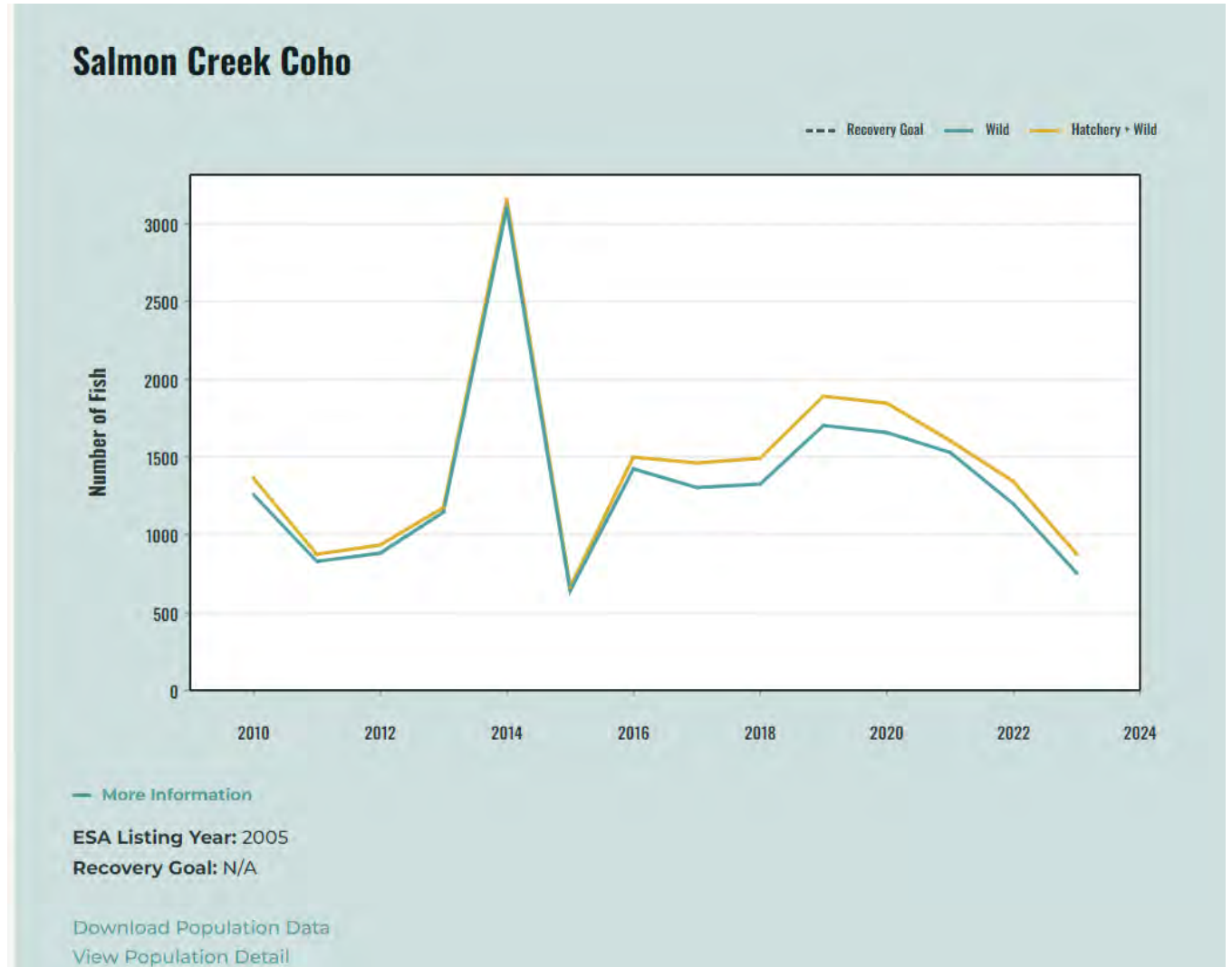
Abundance estimates by basin

- <https://fortress.wa.gov/dfw/score>
- Score on the WDFW website gives abundance estimates by species and basin.



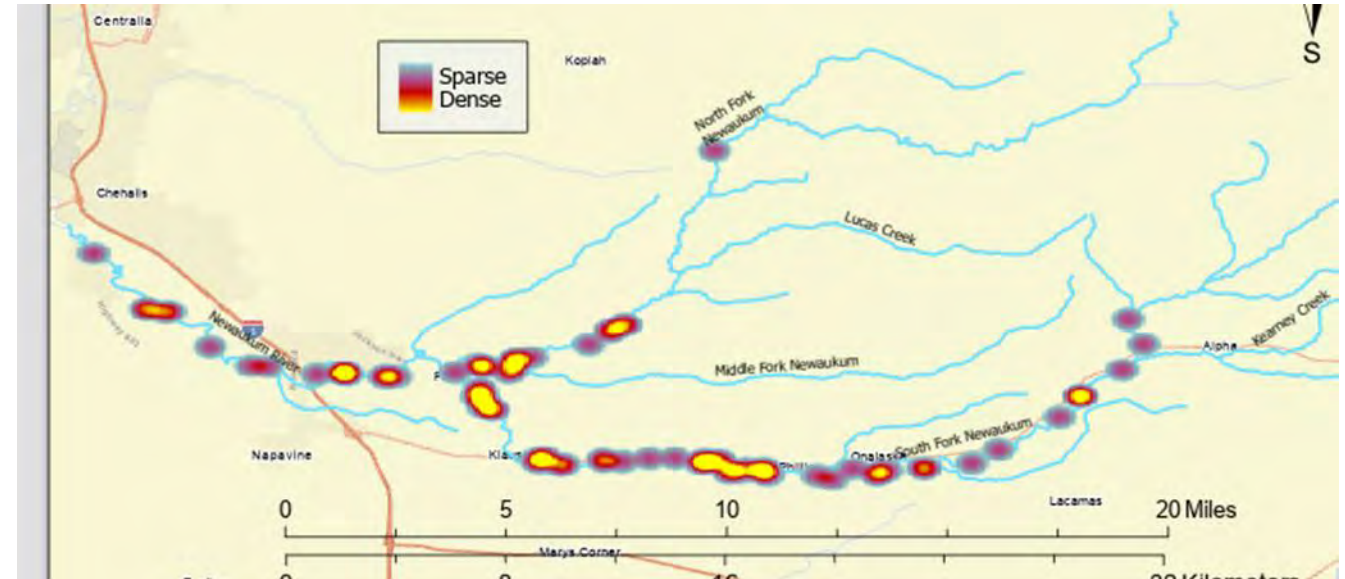
State of the Salmon

- You can also use the state of the salmon site to access graphs and data.
- <https://stateofsalmon.wa.gov>

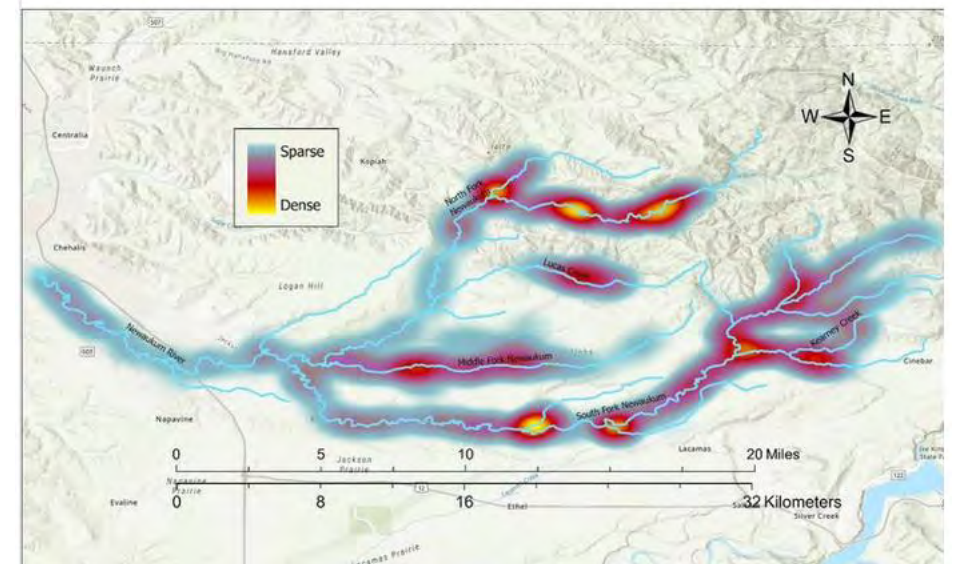


Future Plans

- Steve Vanderploeg is coordinating with LCFRB on building a web based map that shows density of redds by species with an overlay of where surveys occurred.
- Similar to the maps on the right.



Map examples courtesy of Lea Ronne WDFW Region 6.





Questions?

Request this information in an alternative format or language at wdfw.wa.gov/accessibility/requests-accommodation, 833-885-1012, TTY (711), or CivilRightsTeam@dfw.wa.gov.