

# **Yakama Nation Fisheries**

## **Data Sharing and Online Resources Update**

***Virtual CRITFC ITMD Workshop  
4/15/2020***

## Priority Fish Populations:

(Adult and juvenile data)

- Adult passage and trap data\*
- Juvenile trap data, passage estimates
- Trap and Survey mark data (PIT, CWT, etc.)\*
- Metrics and HLIs\*

## Habitat:

(White Salmon, Klickitat, Rock Creek, Yakima, Wenatchee, Entiat, Methow)

- Restoration actions\*\*
- Metrics\*\*
- RME (WQ, restoration response)
- Spatial data
- Priority EC addressed datasets

## YN Hatcheries:

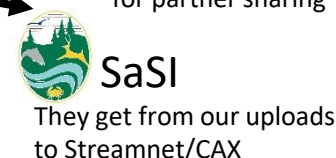
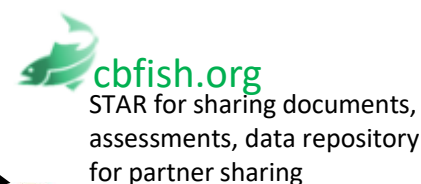
- Tagging, metrics data capture & QA/QC
- Summary tables

## Harvest:

- (YN Harvest datasets)
- Status and trends\*\*
  - Spatial datasets



Being discontinued, there's another process in place.



Yakama Central Servers  
(STAR Database)

## Field Data Centers:

- Upper Columbia
- Nelson Springs
- Wahkiakus
- Toppenish
- Lyle Point

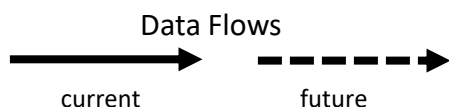
## Current Activities:

(In coordination with STAR Project)

- **Dashboard access** to consolidated databases
  - real-time display, summary tools, data query
- **Data management tools**
  - enter, process, QA/QC, share internally/ externally
- **Data storage**
  - server backup, remote access
- **Regional coordination**
  - ITMD, Streamnet, PNAMP, etc.

<http://dashboard.yakamafish-star.net>

\*available to/ sent to regional reporting entities \*\*some manual processing

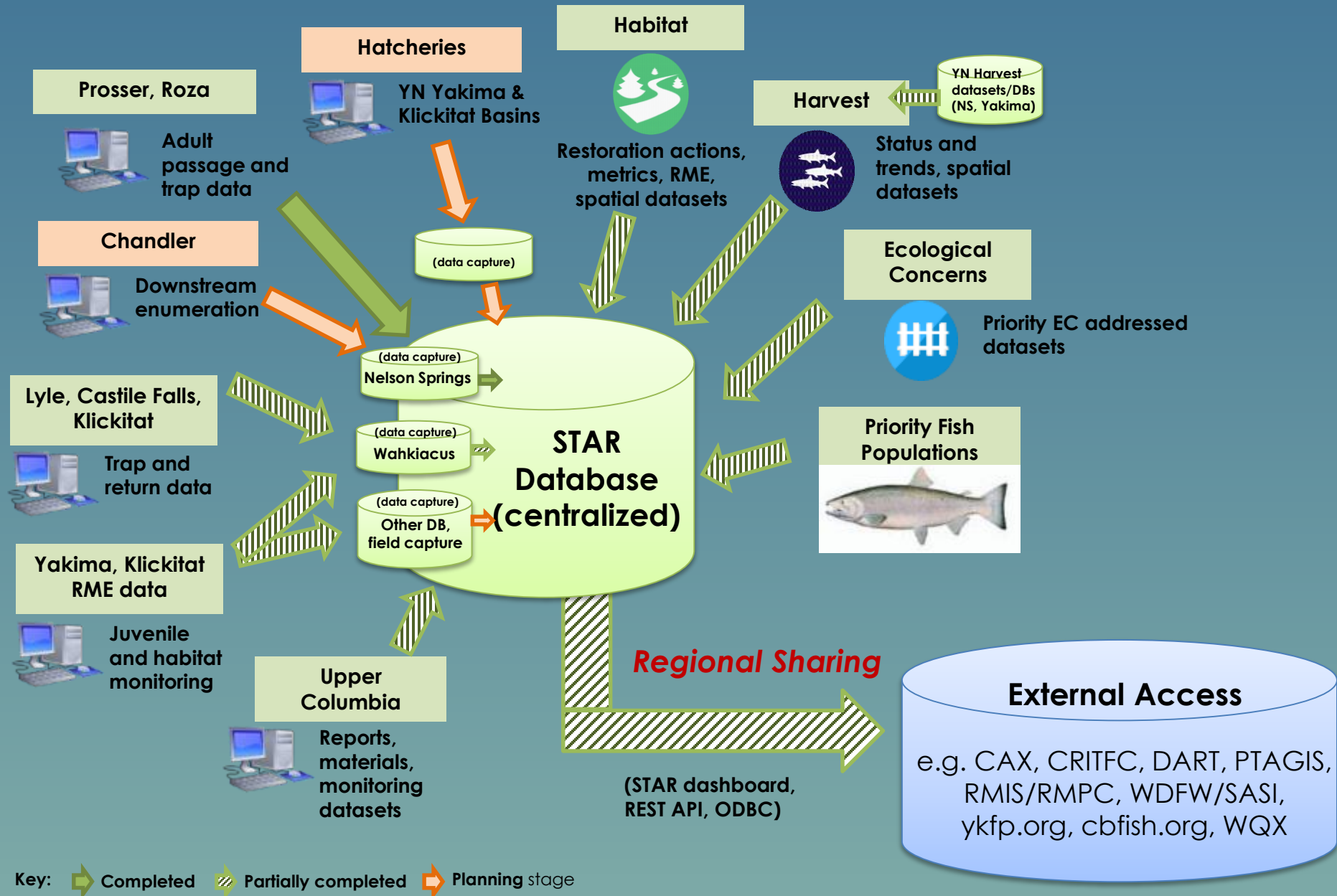


## Legend

Estimated Date of Data Upload to Regional Repositories

■ Uploaded now ■ Underway ■ In 1 to 3 years

# Dataset Consolidation, Regional Sharing



# Data Flow, Access to Data Tools and Feeds



Staff project Updates, RFPs, news, project documents, etc.



## STAR

### Survey 123 Data Entry

(data capture)  
screw traps, UC  
habitat, fish surveys,  
region-wide lamprey  
surveys, harvest trial

### Trap Data, Dam Passage

(data capture) Klickitat

### Trap Data, Dam Passage

(data capture)  
Nelson Springs

### Others

Hatchery data, Legacy data  
(dam counts, screw traps,  
future: other RME, WQ)

### Field Data

Comprehensive reports  
and presentations library,  
consolidated datasets

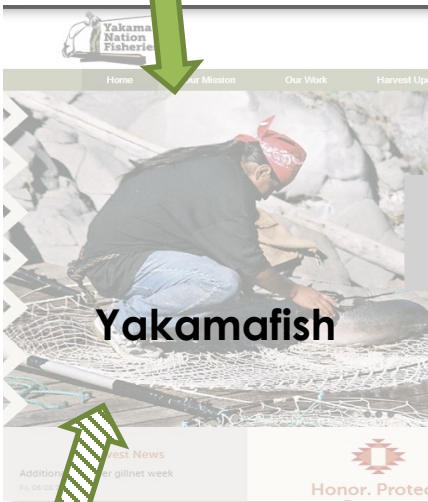
Central Dataset  
repository

Quality  
Assurance

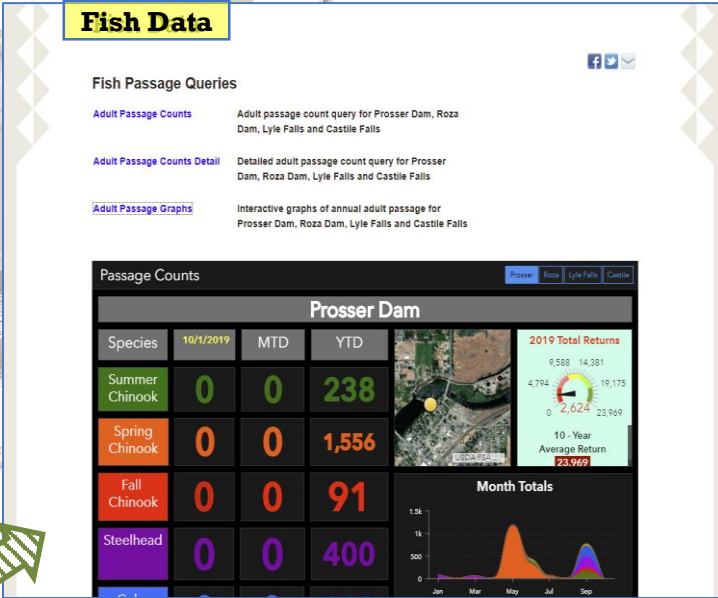


Fish data is displayed  
for public view

PUSH data to external  
partners (Streamnet,  
CAX, DART)



Embedded



Key

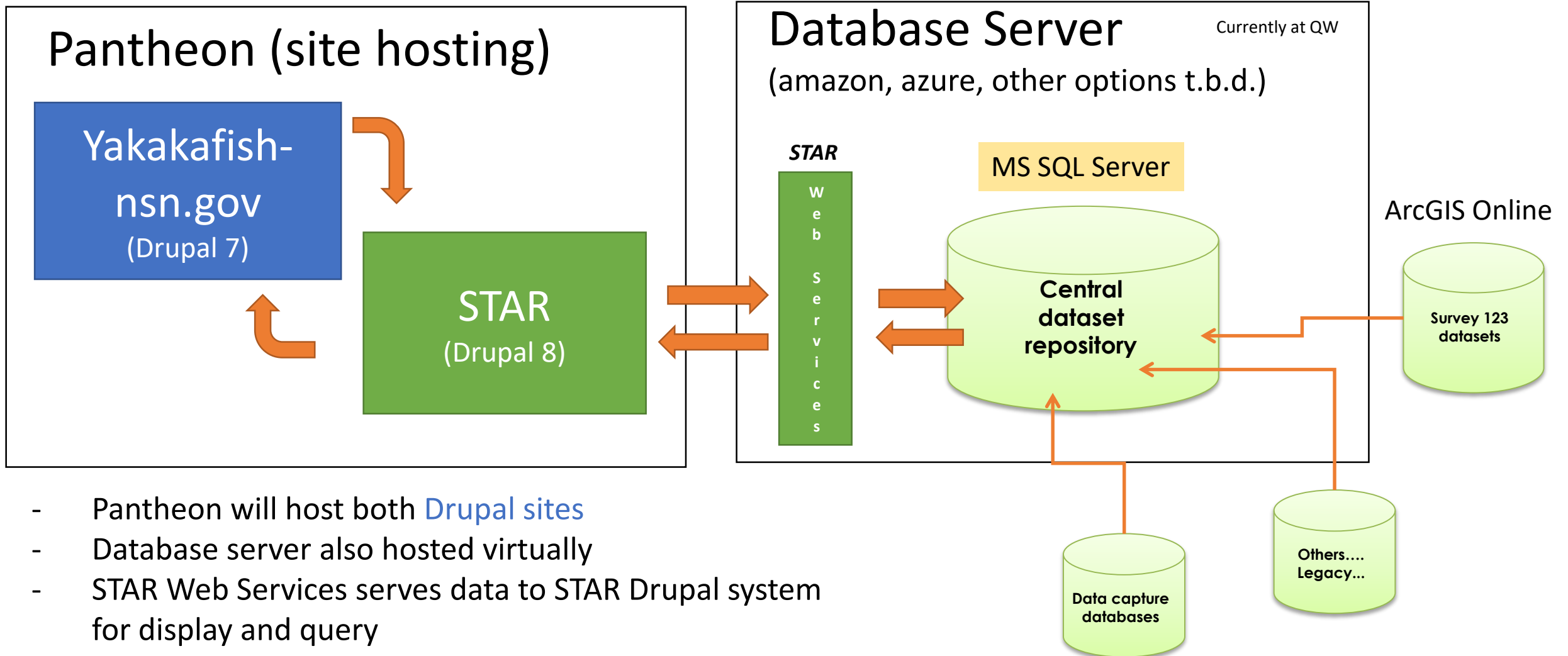


Partly or fully  
automated

Green  
Blue

Completed  
Some in-progress

# Infrastructure (in-progress)



- Pantheon will host both **Drupal sites**
- Database server also hosted virtually
- STAR Web Services serves data to STAR Drupal system for display and query
- Backups and maintenance done by hosting company




# STAR Field Data Entry (ESRI Survey 123)


9:31 AM Fri Apr 3

98%


My Surveys




Draft Redd Survey  
Form2




Lamprey Bio and  
Hab Field Forms




Lamprey Diversion  
Survey2




Larval Lamprey  
Biological Form




Larval Lamprey  
Habitat Survey



Screwtrap  
Fieldform



Snorkel Survey



UC Habitat Survey

# STAR Field Forms (ESRI Survey 123)

## Juvenile Screw Trap (Yakima & UC)

9:32 AM Fri Apr 3

98%

Screw Trap Data Entry2

Header

Location Name \*

Date \*

Initials \*

Time \*

Fishing \*

Rotating \*

Air Temp (F)

Water Temp (F)

Staff Gage (#.##)

Efficiency Test \*

Cloud (%)

Seconds per 1 final rotation

Debris Size Diameter (in)

Water Clarity (in)

PIT Tag File

PIT Tag Vial 1

PIT Tag Vial 2

Warning: Once you hit a plus sign below, you are adding a fish (or bulk fish)!

Individual Fish Log

## Snorkel Survey (UC)

9:33 AM Fri Apr 3

97%

UC Snorkel Survey

Header

Stream Name \*

River Mile (##) \*

Trt/ Ctrl? \*

Date \*

Start Time

End Time

Start Temp (C)

End Temp (C)

Weather

Survey Direction

Rapala Visibility

# of Segments \*  
(Up to 8)

# of Divers \*  
(Up to 6)

Bank Tender Initials

Diver 1 Initials

Diver 2 Initials

Diver 3 Initials

Diver 4 Initials

General Notes

Survey Segments

Must enter in the number you need in the header to see segments and diver forms.

Segment 1

Segment 2

Segment 3

Segment 4

Notes of edits done after submittal:

## Habitat Survey (UC)

9:34 AM Fri Apr 3

97%

UC Habitat Survey

Header

Stream Name \*

River Mile (##) \*

Trt/ Ctrl? \*

Date

Recorded by: \*

Observers: \*

SO1

Channel Unit Type

Channel Unit No.

Type & No.:

Length (m) #.#

Wet. Width #.#

Max. Depth #.#

Avg. Depth #.#

Pool crest depth #.#

S wood material  
=>6" diameter at 20'

M wood material  
=>12" diameter at 35'

L wood material  
=>20" diameter at 35'

Riparian Class

Water Temp. (C)

Time

Primary Substrate

Secondary Substrate

Comments:

SO2

SO3

## Juvenile Screw Trap (Yakima &amp; UC)

9:32 AM Fri Apr 3 98%

Screw Trap Data Entry2

Header

Location Name \*  
Twisp

Date \*  
Friday, April 3, 2020

Initials \*

Time \*  
9:32 AM

Fishing \*  
☐ Yes ☐ No

Rotating \*  
☐ Yes ☐ No

Air Temp (F)

Water Temp (F)

Staff Gage (#.##)

Efficiency Test \*  
☐ Yes ☐ No

Cloud (%)

Seconds per 1 final rotation

Debris Size Diameter (in)  
☒ none ☐ <2" ☐ 2-5" ☐ >5"

Water Clarity (in)  
☐ <6" ☐ 6-12" ☒ >12"

PIT Tag File

PIT Tag Vial 1

PIT Tag Vial 2

Warning: Once you hit a plus sign below, you are adding a fish (or bulk fish)!

Individual Fish Log

+

✓

## Recap

☐ Yes ☒ No

## Mortality

☐ Yes ☒ No

## PIT Tag (Full String)

(Click in this field, then scan the tag. Note: Keyboard app must be left open in the background)

01-29-2017 01:43:41 01 TAG 3DD.007794108A

## PIT Tag (Clipped)

(appears automatically)

3DD.007794108

Can now scan PIT tags  
directly into field form

## Individual Fish Comments

(fish condition, mark for efficiency test, other species, etc.)

## DNA Slot No.

11

## Scale Card No.

3

## Habitat Survey (UC)

9:34 AM Fri Apr 3 97%

UC Habitat Survey

Header

Stream Name \*  
Twisp

River Mile (##) \*

Trt/ Ctrl? \*  
☐ treatment ☐ control

Date  
Friday, April 3, 2020

Recorded by: \*

Observers: \*

SO1

Channel Unit Type  
Channel Unit No.  
Type & No.:

Length (m) #.#  
0

Wet. Width #.#

Max. Depth #.#

Avg. Depth #.#

Pool crest depth #.#

S wood material  
=>6" diameter at 20'

M wood material  
=>12" diameter at 35'

L wood material  
=>20" diameter at 35'

Riparian Class

Water Temp. (C)

Time  
9:34 AM

Primary Substrate

Secondary Substrate

Comments:

SO2

SO3

✓



# STAR Field Data Entry (ESRI Survey 123)

## Lamprey Habitat Survey *(Region-wide)*

Lamprey Biological and Habitat Surveys			
Habitat Survey (page 1)			
<b>Header</b>			
Date: *		Start Time: *	End Time:
<input type="text" value="Friday, April 3, 2020"/>		<input type="text" value="3:33 PM"/>	<input type="text" value="3:33 PM"/>
HUC4 *		Stream Name	
<input type="text" value="Wenatchee"/>		<input type="text" value="Nason"/>	
Nason Rkm	Observer Initials *		
<input type="text" value="37.5"/>	<input type="text"/>		
Survey Type (pick one for survey sections to appear below): *			
<input checked="" type="radio"/> Full <input type="radio"/> Short <input type="radio"/> Visual			
Location Description (Including LO Contacts):			
<input type="text"/>			
General Comments:			
<input type="text"/>			
<b>Habitat Availability</b>			
<b>Type I Habitat</b>			
<b>Type I Photos</b>			
<b>YOY (Best) Type I, II, or I/II</b>			
<b>YOY Best (Type I, II, or I/II) Photos</b>			
<b>GPS</b>			
<b>Water Quality</b>			

# Lamprey Biological Survey

Lamprey Biological and Habitat Surveys	
<b>Biological Survey (page 2)</b>	
▼ <b>Header</b>	
For location information, date and observer, see header of Habitat Survey Form on page 1.	
<b>Lamprey (total including measured lamprey):</b>	
Sort all lamprey by species/group (PA, WB, UN, YOY). Calculate the ratio of each and measure overall weight by species/group (except YOY). Measure length of 50 representative lamprey (including max and min) according to the ratio (excluding YOY). Measure 5 weights by for PA and WB (capture max and min + 3 others), and at least 5 YOY.	
▷ <b>Summary for Each Group (UN S, PA WB):</b>	
▷ <b>Summary for Each Group (YOY, TR):</b>	
<b>Age 1+ Measurements (Goal 50, incl. min &amp; max)</b>	
▷ <b>a) Age 1+ Pacific Lamprey with weights (3)</b>	
▷ <b>b) Age 1+ Western Brook with weights (3)</b>	
▷ <b>c) Age 1+ Unknown Lamprey with weights (3)</b>	
▷ <b>1+ Weight Counts</b>	
▷ <b>Age 1+ without weights (41+)</b>	
▷ <b>"Other" with weights</b>	
▷ <b>YOY Measurements (At least 5 including min &amp; max)</b>	
▷ <b>Genetic Summary</b>	

# Lamprey Diversion Survey

Lamprey Diversion Survey2			
<b>▼ Header</b>			
Diversion Name <input type="text"/>	Date * <input type="text" value="Frida..."/>	River <input type="text" value="Wenatchee"/>	
Surveyors <input type="text"/>	Start Time <input type="text" value="4:10 ..."/>	Start Temperature (C) <input type="text"/>	
End Time <input type="text" value="4:10 ..."/>	End Temperature (C) <input type="text"/>	<b>▶ Water Level</b> <input type="text"/>	
<b>▶ Section Descriptions</b>			
<b>▼ Plot Data</b>			
Section # <input type="text"/>	Plot # <input type="text"/>	Pass # <input type="text"/>	
wet vs. dry <input type="radio"/> Wet (Bank/Open) <input type="radio"/> Dry		Shocker Person <input type="text"/>	
Start Shock Time <input type="text" value="4:10 ..."/>	End Shock Time <input type="text" value="4:10 ..."/>	Duration (seconds) <input type="text" value="0"/>	Duration (part of hour) <input type="text" value="0"/>
Shock Time (min:sec) <input type="text"/>	Voltage <input type="text"/>	Shock Area (m2) <input type="text"/>	Visibility (%) <input type="text" value=""/>
% Type I Shocked <input type="text"/>	% Type II Shocked <input type="text"/>	% Covered (dry or if known) <input type="text"/>	Bank Comment <input type="text"/>

# STAR Quality Assurance and Regional Sharing

<https://dashboard.yakamafish-star.net/>



[HOME](#)

[ABOUT](#) ▾

[DASHBOARD](#)



[HOME](#) / [DASHBOARD](#) / [QUALITY ASSURANCE](#)

[Fish Counts](#)

[Quality Assurance](#)

[Field Data Entry](#)

[Technical Reports \(Queries\)](#)

[Interactive Maps](#)

[STAR Reports](#)

## Quality Assurance

### Fish Counts

#### Screw Trap

- [Screw Trap Consolidated](#)
- [Steelhead Juvenile Abundance Estimate](#)
- [Steelhead Smolt Per Redd/Spawner](#)

#### Forms

- [Adult Passage Counts](#)
- [Trap Samples](#)
- [Age Data Entry](#)
- [Lamprey](#)
- [Juvenile Pittag Update](#)

#### Logs

- [QC Logs](#)

### Regional Sharing

Review and "PUSH" datasets to CAX and Streamnet

- [CAX](#)
- [Streamnet Trends](#)

# STAR Quality Assurance and Regional Sharing


[HOME](#)
[ABOUT](#)
[DASHBOARD](#)

[HOME](#) / [DASHBOARD](#) / [QUALITY ASSURANCE](#) / [SCREW TRAP CONSOLIDATED FORM](#)

 Location: Upper Toppenish

 From Date: 03/04/2020

 To Date: 04/03/2020

 Order: Ascending
[Go](#)
[Reset](#)
[Export to CSV](#)
[New Entry](#)

 Show 50 entries

												PIT												MIN		
			SECONDS/		STAFF	WATER	TEMP	DEBRIS SIZE	WATER	CLOUD	GENERAL	EFFICIENCY	EFFICIENCY	TAG	PIT TAG	PIT TAG	FISH	NUMBER	EFFICIENCY	AVG	AVG	%	MAX			
DATE	TIME	INITIALS	FISHING	ROTATING	ROTATION	GAGE	TEMP (F)	(F)	DIAMETER	CLARITY	%	COMMENTS	TEST	TEST NO	FILE	VIAL 1	VIAL 2	COUNT	TAGGED	RECAPS	MORT	LENGTH	WEIGHT	MORT	RANGE	
<a href="#">Edit</a>	03/04/2020	07:59:00	FF\Jr\Wt	true	true	15	4.08	44	48	<2	>12	0	true	1				<a href="#">2</a>	1	1	0	131	21.6	0	127/135	
<a href="#">Edit</a>	03/05/2020	08:11:00	FF\Jr\Wt	true	true	15	4.06	44	36	2-5	6-12	20	true	2		53734		<a href="#">3</a>	2	1	0	125.33	23.93	0	104/146	

SPECIES	LENGTH	WEIGHT	SMOLTED	RECAP	MORTALITY	PITTAGNO	INDIVIDUAL FISH COMMENTS	DNAVIALNO	SCALE CARD NO	CONDITION FACTOR
steelhead	146	37.7		false	false	3DD.0077944870		4	3	1.21
steelhead	104	13		false	false	3DD.007794E679		3	3	1.16
steelhead	126	21.1		true	false	3DD.0077948265				1.05

Edit 03/06/2020 08:49:00 Jr	true	false	14	4.06	44	47	2-5	6-12	100		false		0	0	0	0	0	0	0	/		
Edit 03/07/2020 09:02:00 Ts	true	true	14	4.06	42	48	2-5	6-12	80		false		0	0	0	0	0	0	0	/		
Edit 03/08/2020 09:19:00 Jr	true	false	19	4.04	40	32	>5	6-12	10		false		0	0	0	0	0	0	0	/		
Edit 03/09/2020 09:00:00 Jr,wt	true	true		4	40	18	0	>12	0	Fish number one is true	5		6	6	0	0	113.33	12.28	0	90/142		
										a recap.												
Edit 03/10/2020 11:06:00 Jr	true	true	17	4	40	45	2-5	6-12	0		true	2	3	2	0	0	139.67	35.7	0	76/180		
Edit 03/11/2020 10:00:00 Ts	true	true	10	4.08	44	54	2-5	6-12	20		true	3	53734	3	3	0	0	147.33	25.1	0	132/156	
Edit 03/12/2020 08:18:00 FF\Jr\Wt\Ts	true	true	12	4	44	34	0	>12	0		true	10	5374	10	10	0	0	141.1	31	0	98/194	
Edit 03/13/2020 08:41:00 Jr	true	true	15	4	40	32	2-5	6-12	100		false			8	8	0	0	143.62	243.46	0	95/198	
Edit 03/14/2020 09:15:00 Ts	true	false	11	4.08	40	32	2-5	6-12	100		false			0	0	0	0	0	0	/		
Edit 03/15/2020 07:20:00 Wt	true	true	10	4.04	40	31	2-5	6-12	100		false		53734	2	2	0	0	130	27.2	0	90/170	
Edit 03/16/2020 08:29:00 Jr/wt	true	true		4	34	29	2-5	6-12	0		true	6	53734	6	6	0	0	147	33.25	0	101/177	
Edit 03/17/2020 09:16:00 Jr	true	true	15	4	40	36	2-5	>12	0	New tags after	true	17	53734	79967	18	16	1	0	146.56	38.72	0	84/187
										fish number 16												

# Data Processing and Sharing Tools

Hi test\_nsl

My accountLog out

Yakama Nation Fisheries

HOMEABOUTFISH DATAHABITAT DATAREPORTSDASHBOARD

HOME / DASHBOARD / QUALITY ASSURANCE / TRAP SAMPLES QC ENTRY FORM

QC Form - Trap Samples

Facility code: pb - Prosser DenilSpecies code: AllFrom Date: 09/04/2018To Date: 09/12/2018GoResetAdvanced options

Note: For edits before 2017, please contact staff (Michelle Steg-Geltner).

AddDelete

	EDIT	LADCODE	PASSDATE	PASSTIME	SPPCODE	CARCASSNO	PITTAG	JVPITTAG	STATUS	ORIGIN	AGE	SEX	FORKLE
<input type="checkbox"/>	Edit	pb	09/06/2018	11:29 AM	wsock				Wild Brood			Male	52
<input type="checkbox"/>	Edit	pb	09/06/2018	11:31 AM	wsock				Wild Brood			Female	48
<input type="checkbox"/>	Edit	pb	09/06/2018	11:32 AM	hjcch				Pass/Release			Jack	26
<input type="checkbox"/>	Edit	pb	09/06/2018	11:34 AM	wsth		3DD.0077370983		Pass/Release			Male	56
<input type="checkbox"/>	Edit	pb	09/06/2018	3:00 PM	hjcch								
<input type="checkbox"/>	Edit	pb	09/06/2018	3:02 PM	hacch								

Edit record

PassDate

03/05/2018

PasTime

6:08 PM

12 hour clock format

LadCode

lf

SppCode

wsth

Viewer

W

EstFKLength

MarkID

QC Name

bquan

QC Comment

Update

Cancel

Advanced Search Options

Facility codes: pb - Prosser DenilSpecies: All

From Date: 01/01/2018To Date: 01/10/2018

From Time:To Time:

forklgh from:forklgh to:

pohlgh from:pohlgh to:

weight from:weight to:

dnasample:Pittag:

sex: - None -JvPittag:

☐ CWT\$Snoutstatus: - None -

☐ Adcliporigin: - None -

comment:

Filter

Clear

Cancel

Yakama Nation Fisheries

HOMEABOUTDASHBOARD

HOME / DASHBOARD / QUALITY ASSURANCE / ESCAPEMENT FORM

Trends

DATASETS

EscapementView in StreamnetUpload

Last Updated

USERNAME	DATE UPDATED	TRENDS	DOWNLOAD LINK
michelle	06/10/2019	[[Coho salmon]]Fall - [Escapement][4 Yakima River reaches from RM 109.7 to 216.2] [[Coho salmon]]Fall - [Escapement][Naches River, Cowiche Creek, and Nile Creek] [[Coho salmon]]Fall - [Escapement][Yakima River tributaries]	Uploaded File
michelle	06/10/2019	[[Steelhead]]Summer - [Escapement][Toppenish Creek] [[Steelhead]]Summer - [Escapement][Satus Creek] [[Steelhead]]Summer - [Escapement][Ahtanum Creek] [[Steelhead]]Summer - [Escapement][Naches River]	Uploaded File
michelle	06/10/2019	[[Chinook salmon]]Spring - [Escapement][Cle Elum River] [[Chinook salmon]]Spring - [Escapement][Teanaway River] [[Chinook salmon]]Spring - [Escapement][Bumping River] [[Chinook salmon]]Spring - [Escapement][American River] [[Chinook salmon]]Spring - [Escapement][Little Naches R & Crow Cr] [[Chinook salmon]]Spring - [Escapement][Naches R & Rattlesnake Cr] [[Chinook salmon]]Spring - [Escapement][Yakima River]	Uploaded File

Yakama Nation Fisheries

HOMEABOUTDASHBOARD

HOME / DASHBOARD / QUALITY ASSURANCE / NOEA

CAX

DATASETS

Natural Adult Spawner AbundanceView CAX StreamnetUpload to Streamnet

Last Updated

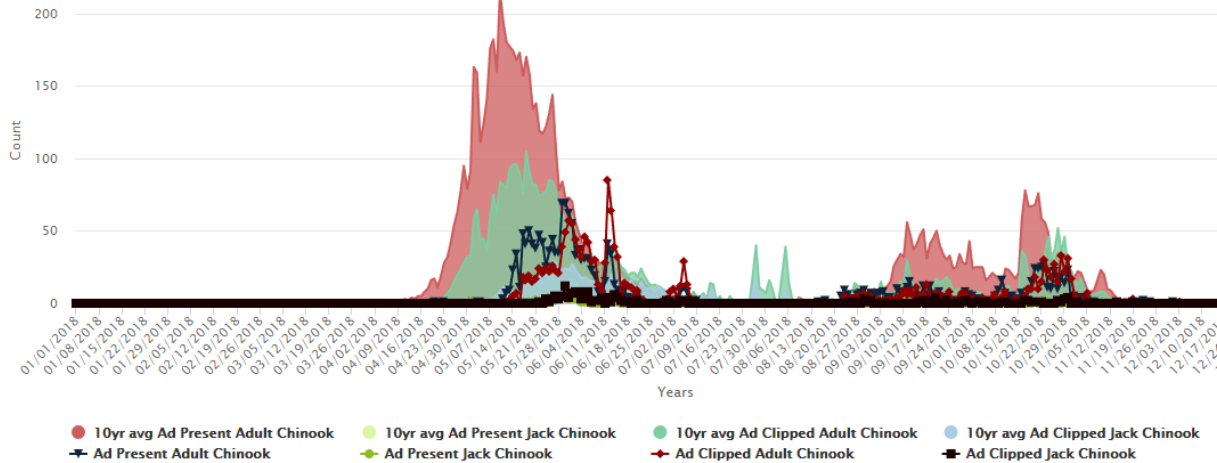
USERNAME	DATE UPDATED	POPULATIONS	DOWNLOAD LINK
michelle	12/06/2019	Naches River - summer Steelhead, Toppenish Creek - summer Steelhead, Satus Creek - summer Steelhead, Yakima River Upper Mainstem - summer Steelhead	Uploaded File
michelle	12/06/2019	Klickitat River - summer and winter Steelhead	Uploaded File
michelle	12/06/2019	Rock Creek - summer Steelhead	Uploaded File
michelle	12/06/2019	Upper Yakima River Spring Chinook, Naches River Spring Chinook, American River Spring Chinook	Uploaded File
michelle	03/05/2020	Upper Yakima River Spring Chinook, Naches River Spring Chinook, American River Spring Chinook	Uploaded File
jzndt	02/06/2020	Klickitat River - summer and winter Steelhead	Uploaded File

# Data Display, Query, and Sharing Tools

Home > Data Query and Reports > Graphs

Facility: Prosser Species: Chinook Years: 2018 Go Reset

Adult Chinook Counts



Chinook Totals (2018)

SPECIES	TOTAL COUNTS
Ad Present Adult Chinook	1795
Ad Presnet Jack Chinook	84
Ad Clipped Adult Chinook	1678
Ad Clipped Jack Chinook	161
Total Chinook	3718

Home > Data Query and Reports > Adult Passage Count Details



HOME ABOUT DASHBOARD

HOME / DASHBOARD / FISH COUNTS / ADULT PASSAGE COUNTS DETAILS

## Adult Passage Count Details

Facility: Lyle Falls Species: Chinook From Date: 09/15/2019 To Date: 09/30/2019 Date Sort By: Ascending

Go Reset Export to csv

Record Count: 16

Note: Daily counts represent number of fish caught in the adult fish trap at Lyle Falls Fishway (Klickitat River RM 2.4). With the exception of some fish that are collected for hatchery broodstock purposes, the vast majority of these fish are returned to the fishway to continue migrating upriver after sampling. The counts do not include fish that ascended the natural waterfalls or fish that passed through the fishway on non-trapping days. Some unknown-origin fish are recorded during fish counting that occurs as fish are returned directly to the fishway without handling or sampling. Data is provisional and subject to change following review and validation.


FACILITY NAME	LADDER	DATE	TOTAL SPRING CHINOOK						TOTAL SUMMER CHINOOK					TOTAL FALL CHINOOK				
			WASCK	WJSCK	HASCK	HJSCK	UASCK	UJSCK	WASUM	WJSUM	HASUM	HJSUM	WAFCK	WJFCK	HAFCK	HJFCK	UAFCK	CHINOOK
		09/15/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		09/16/2019	-	-	-	-	-	-	-	-	-	-	56	56	197	46	-	355
		09/17/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		09/18/2019	-	-	-	-	-	-	-	-	-	-	18	6	21	1	-	46
		09/19/2019	-	-	-	-	-	-	-	-	-	-	8	3	22	7	-	40
		09/20/2019	-	-	-	-	-	-	-	-	-	-	28	17	62	14	-	121
		09/21/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		09/22/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		09/23/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		09/24/2019	-	-	-	-	-	-	-	-	-	-	-	3	3	2	-	8
		09/25/2019	-	-	-	-	-	-	-	-	-	-	2	1	4	10	38	55
		09/26/2019	-	-	-	-	-	-	-	-	-	-	-	7	4	1	-	12
		09/27/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		09/28/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		09/29/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		09/30/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals			-	-	-	-	-	-	-	-	-	-	112	93	313	81	38	637

### \*Species Codes

hafck - marked adult fall chinook, hafcko - marked adult fall chinook or, hasck - marked adult spring chinook, hasum - marked adult summer chinook, hjfck - marked jack fall chinook, hjfcko - marked jack fall chinook or, hjsck - marked jack spring chinook, hjsun - marked jack summer chinook, uafck - unknown adult fall chinook, uafcko - unknown adult fall chinook or, uasck - unknown adult spring chinook, ujfcko - unknown jack fall chinook or c, ujsck - unknown jack spring chinook, wafck - unmarked adult fall chinook, wafcko - unmarked adult fall chinook or coh, wasck - unmarked adult spring chinook, wasum - unmarked adult summer, wjfac - unmarked jack fall chinook, wjfac - unmarked jack fall chinook or coh, wjsck - unmarked jack spring chinook, wjsun - unmarked jack summer Chinook



# STAR sharing tools from Yakama Fisheries website




Site Index | Login

enter your search terms here...

SEARCH

HomeOur MissionOur WorkHarvest UpdatesFish DataContact Us



## HONOR

The Yakama Nation's history, culture, and the lives of our people are intertwined with the salmon and the Columbia.

[Learn more >](#)


### Harvest News

2020 Ceremonial Permit Request  
*Mon, 03/30/2020*

The 2020 Ceremonial Permit Request Form is attached.

Print, fill out and submit to YN Fish & Wildlife Committee for approval.  
[Read more](#)

SEE ALL HARVEST NEWS



### Honor. Protect. Restore.

Yakama Nation Fisheries is a program of the Confederated Tribes and Bands of the Yakama Nation. We work to honor, protect and restore Nchi-Wa'na (the Columbia River), its tributaries and its resources for the benefit of current and future generations of the Yakama people as reserved for them in the Treaty of 1855 (12 stat. 951).


HONOR

PROTECT

RESTORE

### Open RFQ/RFP

There are currently no open RFPs or RFQs available.  
Check back soon.






Site Index | Login

enter your search terms here...

SEARCH

HomeOur MissionOur WorkHarvest UpdatesFish DataContact Us

## Fish Data



### Fish Passage Queries

[Adult Passage Counts](#)

Adult passage count query for Prosser Dam, Roza Dam, Lyle Falls and Castile Falls

[Adult Passage Counts Detail](#)

Detailed adult passage count query for Prosser Dam, Roza Dam, Lyle Falls and Castile Falls

[Adult Passage Graphs](#)

Interactive graphs of annual adult passage for Prosser Dam, Roza Dam, Lyle Falls and Castile Falls

[Juvenile Passage](#)

Juvenile passage reports


Below is a general summarization of fish count data. Click on the links above for more details.  
Note: Lyle Falls trap counts only represent a subsample of the total run. See annual reports for population estimates.

Passage Counts

ProsserRozaLyle FallsCastile

### Prosser Dam

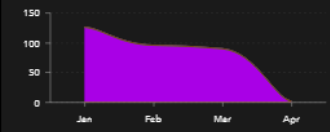
Species	4/1/2020	MTD	YTD
Summer Chinook	0	0	0
Spring Chinook	0	0	0
Fall Chinook	0	0	0
Steelhead	2	2	311
Coho	0	0	0
Sockeye	0	0	0
Lamprey	0	0	0



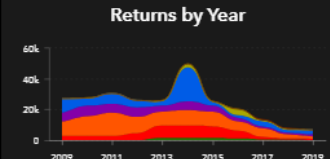
#### 2020 Total Returns

9,221 13,831  
4,610 18,442  
0 311 23,052  
10 - Year Average Return  
**23,052**

#### Month Totals



#### Returns by Year



STAR  
Tools



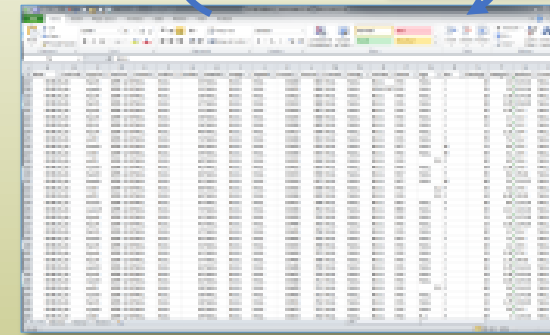
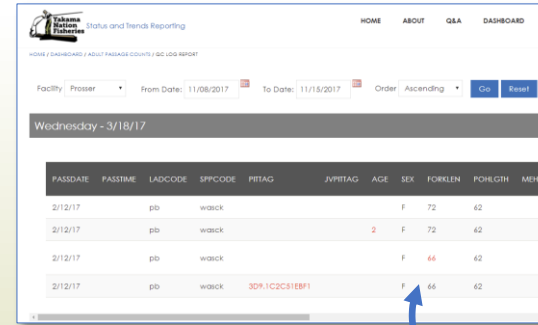
# Progress Incorporating Datasets

- **Screwtraps:**  
**Yakima Basin:** Survey123 field capture, online QA/QC, online auto-calculating summary tables.  
**Methow & Klickitat:** Initial stages of data capture development process. Coordination with existing.
- **Adult Enumeration/ Trap Counts:**  
**Yakima and Klickitat Basins.** Automated flow from capture to live online graphical displays. Working on simplifying data capture with Survey123 entry form.
- **Restoration Monitoring: Habitat, Snorkel Survey, PitTag Tracking & Reporting:**  
**Upper Columbia.** Digital forms, flow to consolidated dataset, summary tables in development. Implementation this summer.  
**Klickitat:** Initial stages of data capture development process.
- **Lamprey Biological, Habitat and Diversion Surveys:**  
**Region-wide.** Digital field forms and consolidated datasets in development process. Also for Ptagis reporting.
- **Hatcheries:**  
**Region-wide.** Process underway to incorporate digital field data capture, align, consolidate, report.
- **Harvest Monitors:** Discussion underway to incorporate digital field data capture and reporting.

# Project Future:

## Continue to Develop and Expand:

- Survey123 improved **data capture processes** and outputs throughout the YN Fisheries program
- Consolidated **datasets** and improved **efficiencies, aligning metrics**
- Support regional **reporting needs** and sharing
- Adding datasets, connectivity, configuring flows, virtual server





# ITMD's Potential Role for the Yakama Nation

- **Unifying Voice:** Support Tribal sovereignty and strength by helping member Tribes to coordinate policy and unified response to outside pressures.
- **Learning:** Sharing with each other experiences, the development of tools and approaches, to leverage progress in improved data management amongst ourselves and externally.
- **Support:** If any additional resources are available, split them evenly amongst member Tribes to support our implementation efforts in the way that works best for us.

# Other STAR Sharing Tools – Summaries and Reports

Home > Data Query and Reports



## Data Query and Reports

### Fish Query

<a href="#">Adult Passage Counts</a>	Adult passage count query for Prosser Dam, Roza Dam, Lyle Falls and Castile Falls
<a href="#">Adult Passage Counts Detail</a>	Detailed adult passage count query for Prosser Dam, Roza Dam, Lyle Falls and Castile Falls
<a href="#">Adult Passage Graphs</a>	Interactive graphs of annual adult passage for Prosser Dam, Roza Dam, Lyle Falls and Castile Falls
Coming soon: Juvenile Abundance Estimate	Summary table for juvenile steelhead, with abundance estimates and production estimates for Toppenish Creek.
Coming soon: Smolts Per Redd/ Spawner Estimate	Summary table for juvenile steelhead, with smolts per redd and smolts per spawner calculated for Toppenish Creek.

### Dashboards

<a href="#">Dam Passage Counts</a>	The dashboard provides daily, month-to-date and year-to-date counts along with graphs and a map by passage facility.
<a href="#">Habitat Projects (Methow) - Pilot</a>	Projects shown are highlights. Due to reliance on self-reporting, there may be additional projects and categories of metrics not shown. Priority ecological concerns addressed were compiled from regional experts' documents related to the Accord and post-Accord planning process, as well as those reported in the Habitat Work Schedule and other reports.

### Habitat

<a href="#">Maps</a>	Interactive maps for exploring assessment units and subreaches, including various survey layers. Currently only covering the Wenatchee, Entiat and Methow Subbasins.
----------------------	--

### Reports

<a href="#">Reports and Presentations</a>	Filter by report type and subbasin, and/or type in key words for project or title to find reports and presentations.
---	--



# Comprehensive Queryable Reports and Presentations Library



Home > Data Query and Reports > Reports

## Reports and Presentations

Filter by report type and subbasin, and/or type in key words for reach/AU or title to find reports and presentations.

Type

Project

Subbasin

Summary

Sort by

Order

Filter

Type

- Any -
- Administrative & Planning Documents
- Annual Report
- Columbia River Gorge Fisheries and Watershed Science Conference
- Other (Fish)
- Other (Habitat)
- Other (Wildlife)
- Presentation/Poster/Brochure
- Reach Assessment & Project Identification
- Yakima Basin Science and Management Conference
- YN STAR Report

TYPE	ABSTRACT	TITLE	REPORT DATE	REPORT SUMMARY
Regional		2019 STAR Annual Status and Trends Report	2020	2019 STAR Annual Status and Trends Report, summarizing fish and habitat restoration actions by Yakama Nation Fisheries, with a focus on the Columbi
Columbia River Gorge Fisheries and Watershed Science Conference		2020 Columbia Gorge Fisheries and Watershed Science Conference	2020	2020 Columbia Gorge Fisheries and Watershed Science Conference flyer (Cancelled for 2020).
Yakima Basin Science and Management Conference		Yakima Basin Integrated Plan – Status of the Early Implementation Activities	2019	Presentation by Wendy Christensen – BoR, Tom Tebb/Danielle Squeochs - DoE on Yakima Basin Integrated Plan – Status of the Early Implementation Acti
Yakima Basin Science and Management Conference		Wood Fiesta: The Yakima Basin Helicopter Restoration Effort	2019	Presentation by Ashton Bunce (YN) on the Wood Fiesta: The Yakima Basin Helicopter Restoration Effort
Yakima Basin Science and Management Conference		Migration Survival of Chinook Salmon, Steelhead & Lamprey in the lower Yakima River 2018 + sockeye salmon study (Roza to Cle Elum)	2019	Presentation by Tobias Kock (USGS), Russell Perry (USGS), and Michael Porter (YN) on the Migration Survival of Chinook Salmon, Steelhead & Lamp
Yakima Basin Science and Management Conference		Yakima River Steelhead VSP project: status and trends update	2019	Presentation by Chris Frederiksen (YN) on Yakima River Steelhead VSP project: status and trends update.
Columbia River Gorge Fisheries and Watershed Science Conference	Abstract	Promoting Collaborative Governance in Oregon & Washington	2019	Presentation by Amanda Murphy & Michael Kern from the Ruckelshaus Center & Oregon Consensus on Promoting Collaborative Governance in Oregon
Columbia River Gorge Fisheries and Watershed Science Conference	Abstract	Eulachon—Current Population Status and Recovery Plan Implementation Efforts	2019	Presentation by Laura Heironimus and Olaf Langness of the Washington Department of Fish & Wildlife on Eulachon—Current Population Status and Re
Columbia River Gorge Fisheries and Watershed Science Conference	Abstract	Ever Wild: A Lifetime on Mount Adams	2019	Presentation by Darryl Lloyd, Author on Ever Wild: A Lifetime on Mount Adams.
Annual Report		Upper Columbia Spring Chinook and Steelhead Acclimation (2009-001-00)	2019	Annual Summary Report for the Upper Columbia Spring Chinook and Steelhead Acclimation Project; 2/17-1/18.

# Interactive Maps, Used in Project Prioritization, Other Inquiries

Home > Data Query and Reports > Habitat Data Map > Lower and Upper Wenatchee Reach Assessment Map

Yakama Nation Fisheries

LOWER AND UPPER WENATCHEE REACH ASSESSMENT MAP

Iterative map for exploring materials gathered for regional Reach Assessments throughout the Upper Columbia, with the Lower and Upper Wenatchee as a pilot effort

Below is an interactive map for exploring materials gathered for regional Reach Assessments throughout the Upper Columbia, with the Lower and Upper Wenatchee as a pilot effort. Click the arrows in the top left to expand the Legend. Click on icons in the map to learn more about them (note: may have to scroll through several popups per location clicked). Backgrounds can be changed (grid icon) and layers can be toggled on and off. Click in the assessment unit for a popup with a link(s) to associated document(s), and a list of the ecological concerns from the 2014 Biological Strategy.

[Click here to view this map in ArcGIS Online](#)

[Test Webscene](#)

Legend

☐ Bull Trout Intrinsic Potential

☐ Chinook Intrinsic Potential

☐ Steelhead Intrinsic Potential

☐ FishDistribution Steelhead

☐ FishDistribution BullTrout

☒ FishDistribution Chinook

☒ Lower Wenatchee RA Project Opportunities

☒ Lower Wenatchee RA Points of Interest

☒ Lower Wenatchee RA Bankfull Cross-Sections

☒ Lower Wenatchee RA Survey Wetted Area

☒ Upper Wenatchee RA Channel Alterations

☒ Upper Wenatchee RA Human Features

☒ Upper Wenatchee RA Reach Breaks

☒ Upper Wenatchee RA Habitat Units

☒ Upper Wenatchee RA Channel Outline

☒ Upper Wenatchee RA 1911 Channel Boundary

☒ USGS River Miles

HABITAT RESTORATION ACTIONS (BPA FUNDED, 2004-2017)

HOME / DASHBOARD / INTERACTIVE MAPS / HABITAT RESTORATION ACTIONS (BPA FUNDED, 2004-2017)

Restoring the natural habitats needed by wild salmon, steelhead, and lamprey is among the highest priorities for species restoration. All species must be able to sustain themselves in their natural habitats, thus these habitats must be healthy, accessible, and abundant. The map below is a representation of all BPA funded habitat restoration actions by type, 2004-present. Since 2008, significant restoration has been supported by Columbia River Fish Accord Agreement. The Yakama Nation is implementing a broad set of actions to restore ecosystem function.

Click on the icons below, representing habitat restoration actions by type, to learn more about what has been implemented so far. (Updated as of 7/11/2017).[2004-2017]

Legend

Info

☐ BPA Funded Habitat Efforts (2004-2007) - YRWP ONLY

☐ Accord Funded YN Habitat Efforts (2008-2017) - YRWP ONLY

☒ Accord Funded YN Habitat Efforts (2008-2017)

☒ Accord Funded YN Outreach (2008-2017)

☒ BPA Funded Habitat Efforts (2004-2007)

☒ BPA Funded Outreach (2004-2007)

☒ Ecological Concerns by Assessment Unit

☒ Accord Funded YN Efforts Subbasin Summary

☒ YN Reservation

☒ Territories of the Yakama Nation



# Restoration Stories

Subbasin

- Any -
- Entiat
- Klickitat
- Lower Columbia
- Methow
- Mid-Columbia
- Regional
- Rock Creek
- Upper Columbia
- Wenatchee
- White Salmon
- Wind River
- Yakima

Topic

- Any -

[Apply](#)

**The Yakama Nation, the Willamette River, and Toxics:** The relationship of the Yakama Nation with the Willamette River, fisheries and issues with toxics in the river. [Learn more...](#)



**1890s Side Channel Restoration Project:** To restore habitat affected by construction of Highway 20, we recreated the historic channel west of the road. [Learn more . . .](#)



**Coho Reintroduction - Yakima Subbasin:** Coho Reintroduction - Yakima Subbasin: To reestablish the extirpated coho population and fishery, the Yakama Nation initiated a reintroduction program in



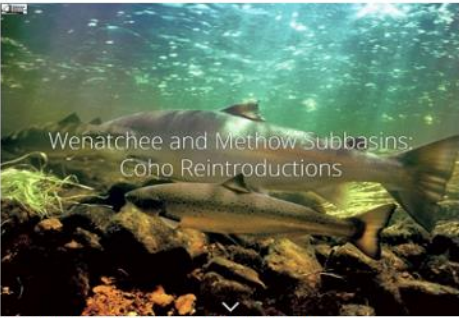
**Yakima Basin Helicopter Aquatic Restoration Project:** To improve fish habitat complexity and stream function with very little impact upon the landscape, we used helicopters to return large wood to streams. [Learn more . . .](#)



**Chewuch River Right Side Channel:** Habitat restoration by the Yakama Nation has improved conditions for juvenile and adult fish as the river has been reconnected to the floodplain and habitat complexity has been improved. [Learn more . . .](#)



**Chewuch River Mile 10 Fish Habitat Enhancement Project:** Impaired fish habitat in the Chewuch River has been improved by our actions including the installation of wood structures and planting



**Wenatchee and Methow Subbasins - Coho Reintroductions:** Coho populations in the Wenatchee and Methow subbasins are now benefiting from our restoration actions. [Learn more . . .](#)



**Cle Elum Supplementation and Research Facility - Upper Yakima River Spring Chinook:** In 1997, the Levi George Supplementation and Research Facility was opened to enhance spring Chinook returns, provide additional fishing opportunities and learn more about the performance of hatchery fish. [Learn more . . .](#)



**Yakama Nation White Sturgeon Hatchery:** Restoring white sturgeon populations that can support harvest in the mid-Columbia and

# Bonus: Storymaps Collection

(not really “data”  
but it is digital  
“sharing”...  
There are 27 of  
them so far.

[dashboard.yakamafish-star.net/restoration-stories](https://dashboard.yakamafish-star.net/restoration-stories)

(Also accessible through  
[yakamafish-nsn.gov](https://yakamafish-nsn.gov) home page)