

YN SOCKEYE RESTORATION PROJECT: The Outro (Mackinaw Removal)

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achxilpanisha ishchit "making a way"





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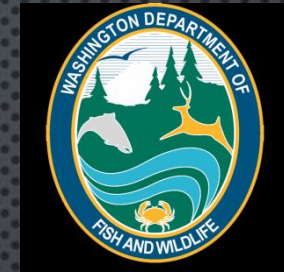
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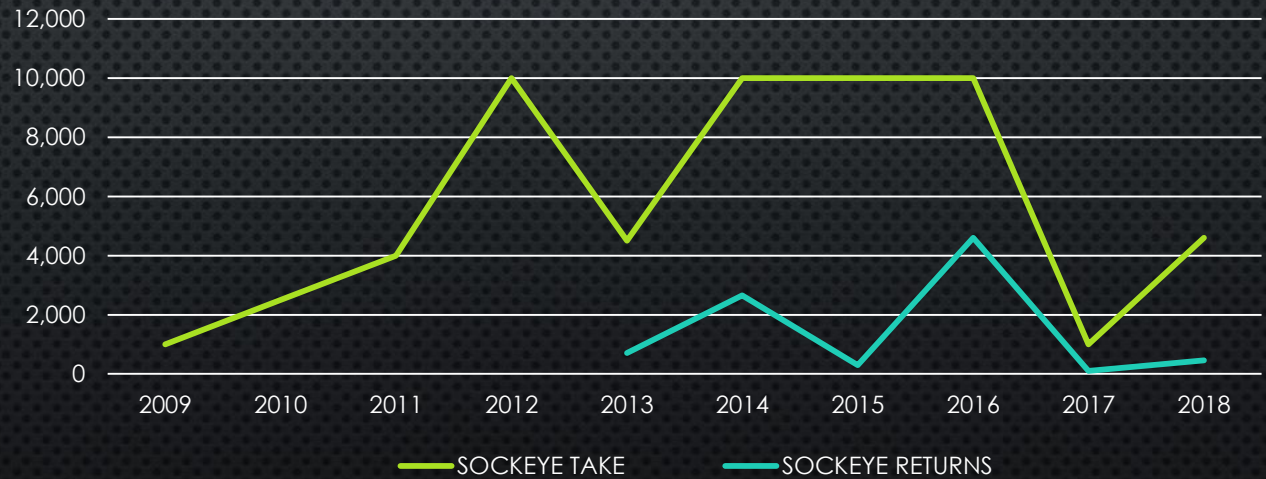
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Broodyear	Bonneville Dam Count	Trap & Haul to Cle Elum Lake	Natural Production Returnees
2009	177,823	1,000	
2010	386,525	2,500	
2011	185,796	4,000	
2012	515,673	10,000	
2013	185,505	4,500	703
2014	614,179	10,000	2653
2015	510,706	10,000	300
2016	342,498	10,000	4600
2017	87,693	1,000	100
2018	193,816	4,600	456

SOCKEYE TAKE & RETURNS



2225 Elevation Needed					@ 2170
Month	DAY	YEAR	TRAP & HAUL	RETURNEES	W/FISH PASSAGE
0	0	2019	0	?	JAN 27, 2019
JUNE	05	2010	2,500	0	JAN 16, 2010
MAY	21	2017	1,000	100	JAN 01, 2017
MAY	13	2014	10,000	2,653	JAN 01, 2014
MAY	04	2018	4,600	456	JAN 19, 2018
MAY	01	2009	1,000	0	JAN 01, 2009
APRIL	23	2012	10,000	0	JAN 01, 2012
APRIL	20	2013	4,500	703	JAN 01, 2013
APRIL	08	2016	10,000	4,600	JAN 16, 2016
MARCH	31	2011	4,000	0	JAN 09, 2011
February	11	2015	10,000	300	JAN 01, 2015



KÁLUX

Sockeye



Off Ladder Adult Fish Trap - Sockeye Tagging
Priest Rapids Dam – June 25, 2009

SOCKEYE REINTRODUCTION...

- AFTER ESCAPEMENT GOALS ARE REACHED AT BONNEVILLE DAM OF 80,000 CURRENTLY, ADULT REINTRODUCTION PROJECT ONLY, NO HATCHERY PROCESS
- RETURNING SOCKEYE, COLLECTION CAN BEGIN AT PRIEST RAPIDS DAM
- TWO DONOR STOCKS LAKE WENATCHEE AND LAKE OSOYOOS
- THE ADULT TAKE STARTS AT 1,000 AND CAN INCREASE TO 10,000 BASED ON A PAC APPROVED SLIDING SCALE
- A FACILITY USE AGREEMENT ESTABLISHED, INSURANCE W/ADDITIONAL ENDORSEMENTS NEEDED TO BE IN PLACE AND WE NOW PAY A FEE TO UTILIZE FACILITIES
- GENETIC SAMPLING OF SOCKEYE HELPS DETERMINE WHICH STOCK IS THE MOST SUCCESSFUL OF THE TWO DONOR STOCKS USED, LAKE WENATCHEE OR LAKE OSOYOOS, THIS OCCURS AT FOUR DIFFERENT STAGES OF THE PROCESS:
- CONTACTED LOCAL LAND OWNER ON LAKE CLE ELUM TO ACCESSING HIS PROPERTY
 - 1.) PRIEST RAPIDS DAM ADULT COLLECTION
 - 2.) WORK AT THE OLAFT, YN CREW MUST COMPLETE SECURITY AND SAFETY TEST TO RECEIVE CLEARANCE BADGE TO ACCESS FACILITY
 - 3.) SMOLT MIGRATION AT ROZA DAM AND CHANDLER JV
 - 4.) RETURNING ADULTS BACK TO THE YAKIMA BASIN

MORE TROUT FOR KITTITAS

State of Washington to Get 5,000,000
Mackinaw Trout Eggs from Wisconsin—County Game Commission will Ask for All They Can Get

Chairman M. C. Miller of the Kittitas Game Commission Wednesday received word from State Game Warden Darwin that 5,000,000 Mackinaw trout eggs would become available for planting in this state next year. They will come from Wisconsin. Mr. Miller states that the county game commission will immediately apply for all they can get to plant in Lakes Cle Elum, Keechelus and Kachess, all of which are deep water lakes well adapted to the Mackinaw. This season 50,000 of them were planted in Lake Cle Elum. Mr. Darwin's letter, which contains some other matters of interest to sportsmen, follows:

Gentlemen:

A holder of a non-resident hunters' license may take the number of birds which it is lawful for him to kill in this state in one day out of the state with him, providing that he executes an affidavit before a notary public or other officer having a seal, stating that the game to be so removed from the state was killed by him in a lawful manner and that the said game is not being exported for the purpose of sale. Such affidavit shall describe the birds and shall be attached to said birds while in transit from the state.

The above is the substance of an opinion just rendered to me by the Hon. L. L. Thompson, Attorney General, and we will govern ourselves accordingly.

The Attorney General gives it as his opinion that Section 5373 Rem. & Bul. Code, which was enacted in 1905, and which expressly permits non-resident hunters to take their kill out of the state as provided above, was not repealed by the passage of the Game Code in 1913. This reverses the construction of the law heretofore given it by the Attorney General and the State Game Warden.

We are laying our plans this year to distribute a large number of Chinese pheasant eggs and a smaller number of Mallard duck eggs, without charge, from the State Game Farm at Walla Walla to those County Game Commissions and citizens generally in the state who will agree to hatch the eggs and liberate the offspring when it is able to take care of itself.

Will you be good enough to advise me if it is the desire of your Game Commission to receive any of these eggs of either variety, and if so, the number that you would like to have?

If your County Game Commission is unable to handle this, I suggest that you take the matter up with the newspapers of your county and see if they will not ascertain if any of their readers care to receive eggs on the above conditions. Last year we had hundreds of applications for eggs from persons who desired to raise Chinese pheasants.

We also beg to advise you that we have arranged an exchange with the State of Wisconsin of five million blue giant eggs for five million Mackinaw trout eggs. Mackinaw trout require deep water. Kindly advise if your county desires any of these, and

PLANT NEARLY 2,000,000 FRY

Kittitas County Game Commission Make Annual Report—Of Much Interest to Sportsmen Over the County.

According to a report of W. E. Crowley, chairman of the Kittitas county game commission, nearly 2,000,000 fish have been reared and distributed in the various streams, lakes and sloughs of the county within the past year. Of this number 1,256,000 were Eastern Brook trout, 114,200 Steelhead trout, 97,000 Rainbow trout, 50,000 Montana Black Spotted trout and 200,000 Cutthroat trout, or a total of 1,717,700. The fish were all hatched at the county hatchery on Cash creek about a mile west of South Cle Elum, under the direction of Fred Yeoman. The planting of the fry have been in the following waters:

Eastern Brook—Short & Dunnington ranch, 40,000; Fitterer's slough near Tjossem's mill, 40,000; Thorp pond, 40,000; railway slough near Thorp, 40,000; Farrell's slough near Thrall, 35,000; Ringer slough near Thrall, 40,000; lake on Lookout mountain, 6,000; Cooper lake, 355,000; Swamp lake, 40,000; Desmond slough, near upper Ellensburg bridge, 40,000; Reed creek, Fred Hansen ranch, 40,000; Fish lake, 200,000; Pease slough south of Ellensburg, 35,000; Smith slough south of Ellensburg, 35,000; Lake Keechelus, 100,000; Indian George slough south of Ellensburg, 35,000; Fogarty slough, 35,000; Hansen creek, north-east of Ellensburg, 35,000; Wallace slough near Thorp, 35,000; Wilson creek, 35,000.

Other varieties—Lake Keechelus, Steelheads, 114,200; Rainbows, 97,500; Taneum creek, Montana Black Spotted, 50,000; Fish lake, Cutthroats, 100,000; Nanum creek, Cutthroats, 66,000; Menashtash creek, Cutthroats, 33,000.

In Cooper lake, Fish lake and Lake Keechelus, three of the most important lakes within the county, considerably over half a million fry were planted last year, the total, all varieties, being 866,700. 1,133,300 fry were planted in streams, lakes and sloughs in the southern part of the county or easily accessible to residents in that section.

During the year 65 chickens, 60 ducks and a few Chinese pheasants were released. A total of 3,613 county hunting licenses, 27 trappers' licenses, 7 non-resident licenses, and 28 state licenses were issued during 1922. Seventy-eight beaver were trapped under direction of the commission and the money turned in to the game fund. From 20 convictions for violation of the game laws in the amount of \$312.50 were collected. Bounty was paid on 131 coyotes, 6 bobcats, 1 wolf, 1 lynx, and 1 wildcat. It is stated that approximately 416 additional coyotes and 3,250 magpies were killed during the year in the county by state hunters and poison.

FRIDAY, DECEMBER 24, 1920

150,000 EGGS FOR OUR COUNTY

Huge Shipment of Mackinaw Trout Eggs Delivered at County Hatchery in South Cle Elum by Darwin

Sup't Riggs of the county hatchery late last week received a shipment of 150,000 Mackinaw trout eggs from State Fish Commissioner Darwin, which he will hatch out next spring for early planting in this county. This is the largest shipment of Mackinaws yet received and the county game commission is very grateful for it, as well as sportsmen generally. Some time ago Representative Hubbell went after more Mackinaw eggs and in a letter to the editor stated that Commissioner Darwin seemed very favorably disposed.

Last spring 50,000 Mackinaws were planted in Lake Cle Elum. This species of trout will very likely all be placed in large lakes of the county as the Mackinaw grows to a large size and requires deep water. If the Mackinaw thrives here, the people of Kittitas county will have some of the finest fishing imaginable as well as a fish which is the peer of any in the world for eating.

A movement is under way now to trade Silver trout eggs which can be taken in Lake Keechelus in large quantities for brook trout eggs, which are more acceptable here.

29 Oct. 1920

29 Oct. 1920



AUGUST 1956

GILLNETS USED

- 2013 Surplus Nets
- 6-16 Gillnets Used
- 200 ft. to 300 ft. Long
- Mesh Size 1-6 inch
- Diver Nets
- GPS Location
- Shore Ties
- Buoy & Anchor Set
- SCP



MACKINAW

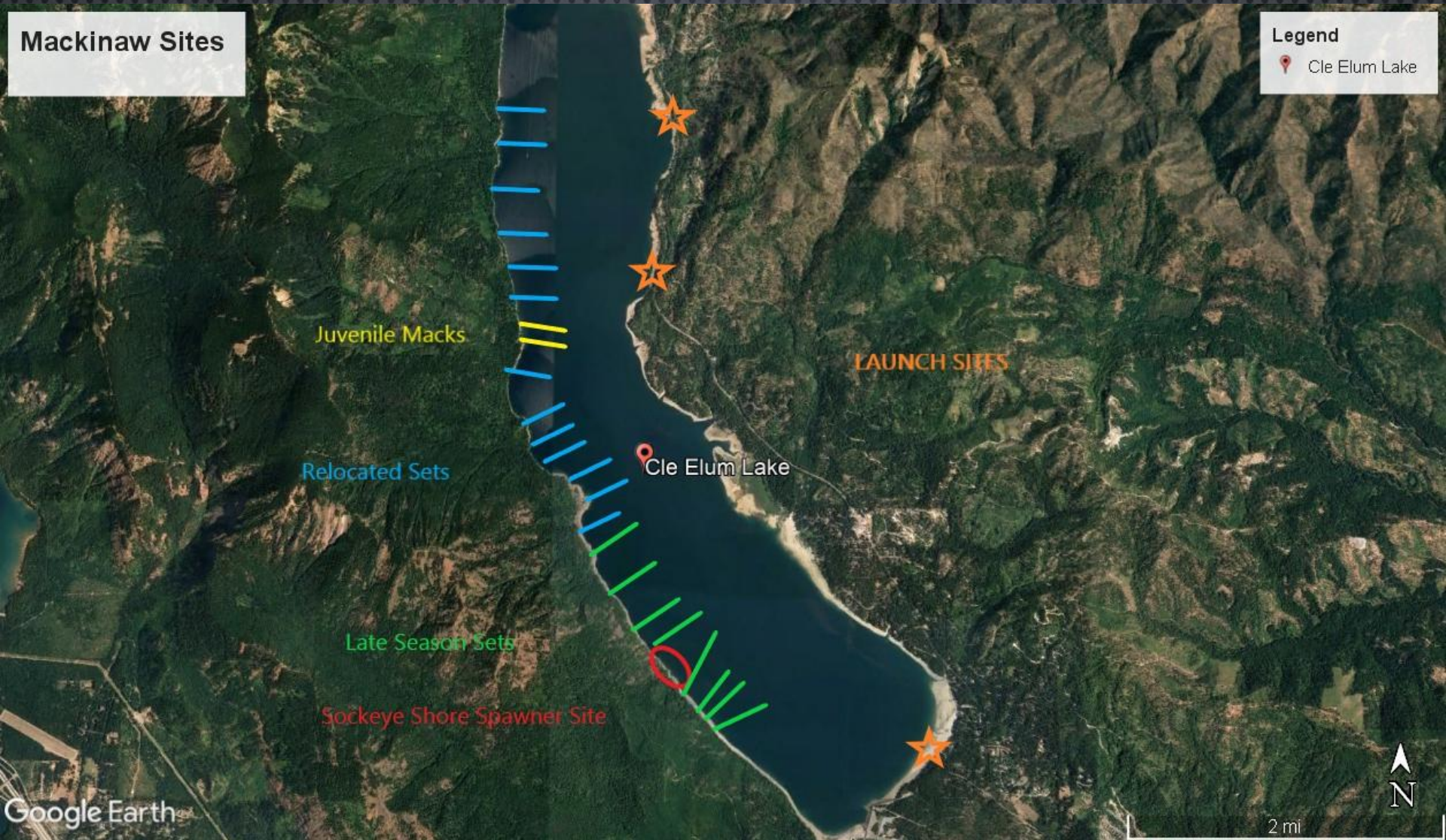
Salvelinus namaycush

- Non-Native Apex Predator
- Piscivorous
- Cold Deep Water
- Spawn Timing
- Broadcast Spawners
- Sloping Areas of Large Rubble



Mackinaw Sites

Legend
📍 Cle Elum Lake



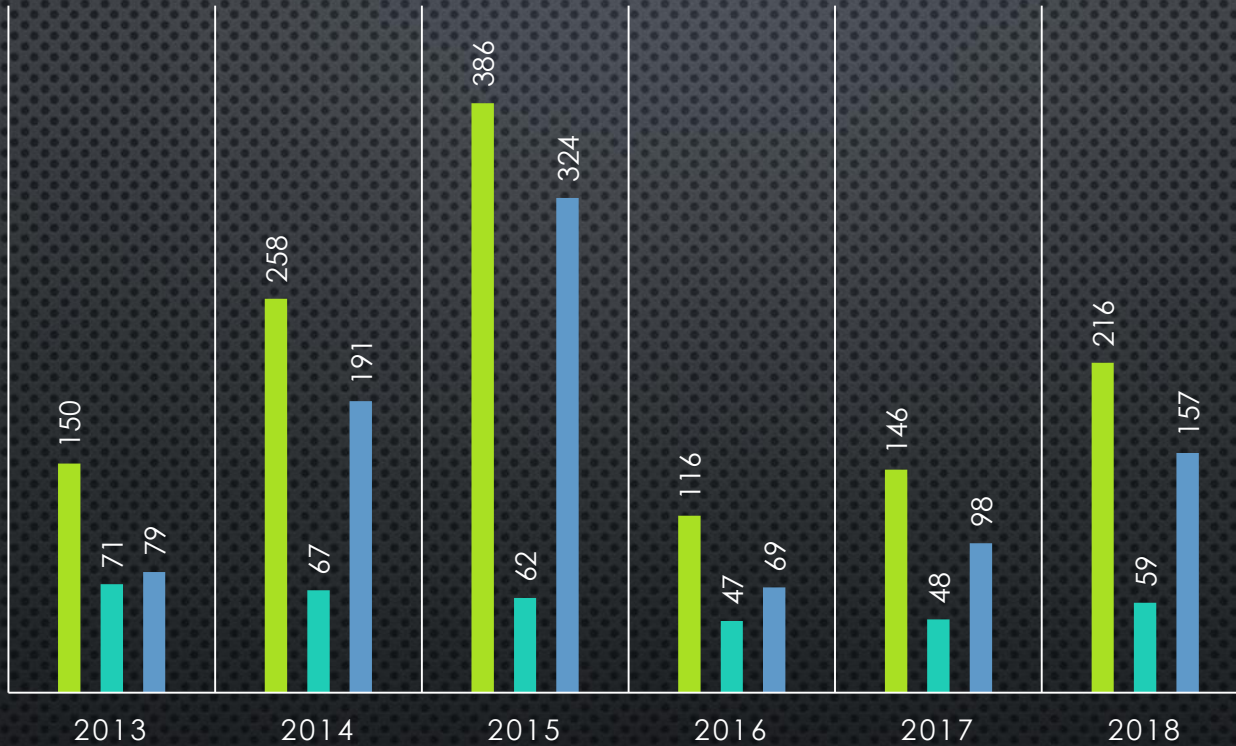
Google Earth

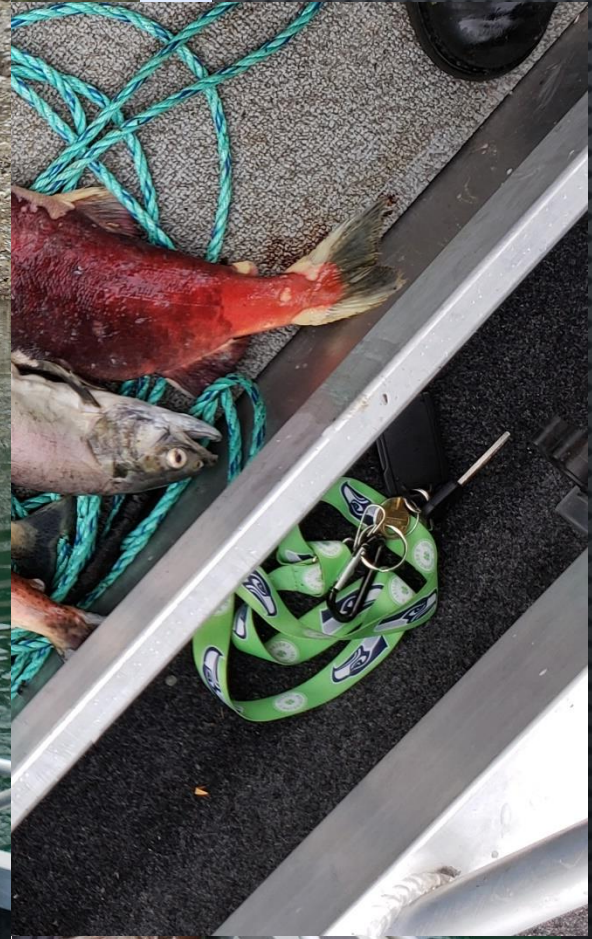
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MACKINAW REMOVED

■ Total Caught ■ Mack Males ■ Mack Females







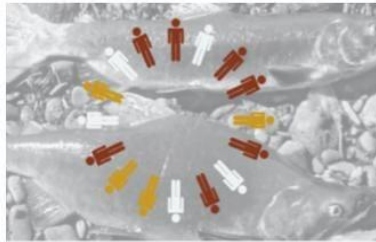
MACK'S OUTRO'd

NUMBERS REMOVED

- 2013=150
- 2014=258
- 2015=386
- 2016=116
- 2017=121
- 2018=216
- German Brown 49

MACKINAW DERBY

- 2011-14
- 112 Mackinaw Removed
- Over 75 Entries per year



You're invited

Sockeye Sovereignty

An international tribal meeting with
elders, leaders, and scientists.

Aug. 14-16 2018

Legends Casino Event Center
580 Fort Rd, Toppenish, WA 98948

Contact Brian Saluskin, 509-945-6701
passagebio@questoffice.net



YAKAMA NATION
CULTURAL RESOURCES



For Questions
Wak'ishwi Prog
509-865-5121 x



You're invited

Sockeye Advisory Council

An international tribal fish meeting with elders, leaders,
tribal members, scientists and technical staff

Th. June 21, 2018 1:30pm

Fisheries - YKFP Nelson Springs
771 Pence Road, Yakima, Wa 98902

Contact Biran Saluskin, 509-945-6701 passagebio@questoffice.net



What's happening now?

- Sockeye Study
- Cooper Lake Study
- Outreach
- Bigger Drum & Reel, longer/deeper nets
- New Hire
- Working with YN youth
- Ichishkiin Naming of Roslyn area
- Another Elder's Meeting/Event
- Taking Over Mackinaw Fish Derby



HONOR. PROTECT. RESTORE.

learn more at:

Yakamafish-nsn.gov

QUESTIONS?

passagebio@qwestoffice.net (509) 945-6701

achxilpanisha ishchit "making a way"

