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Real-Time GBT Reports - May 28, 2021

Attached, please find the latest Real-time GBT reports for the Salmonid and Non-salmonid GBT monitoring programs, with data through batch date of May 29th.

The Salmonid GBT Report (gbtsumbybatchdate_realtime.pdf) has new data from MCN (Batch date 5/29).

The Non-Salmonid GBT Report (NS_gbtsumbybatchdate_realtime.pdf) has new data from a sample conducted by USGS below Bonneville Dam on May 28th.

- No bubbles were observed in non-protocol locations.
- Of the 130 total fish examined, 24 were subyearling Chinook. No signs of GBT were observed in these subyearling Chinook.
- Therefore, the total number of native non-salmonids examined was 106, with no signs of GBT observed.

In addition, the updated version of the Non-Salmonid GBT Report contains new data from a sample conducted today (May 28th) by ODFW/PSMFC, as part of the feasibility study using the Pikeminnow program electrofishing crews to collect native non-salmonids for GBT examinations. Today's sample was conducted below Bonneville, via boat electrofishing (i.e., Electrofishing Below Bonneville).

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LOWER GRANITE DAM

Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Numb	er of Fish with F	Fin GBT - By Ra	nk
						GBT	Rank 1	Rank 2	Rank 3	Rank 4
05/21/2021	CH1+ST	28	1	0	0.00 %	0.00 %	0	0	0	0
05/28/2021	CH1	26	0	0	0.00 %	0.00 %	0	0	0	0

LITTLE GOOSE DAM

Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Numb	er of Fish with F	in GBT - By Ra	nk
						GBT	Rank 1	Rank 2	Rank 3	Rank 4
05/17/2021	CH0+CH1+ST	100	2	2	2.00 %	0.00 %	2	0	0	0
05/24/2021	CH0+CH1+ST	37	0	0	0.00 %	0.00 %	0	0	0	0

Samples highlighted in yellow indicate that the sample size criteria of 50 fish was not met. The inability to collect an adequate sample precludes the accurate estimation of the percentage of fish with GBT. Therefore, making management decisions based on these small of sample sizes is inadvisable.

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LOWER MONUM	ENTAL DAM									
Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Numl	per of Fish with F	in GBT - By Ra	ink
						GBT	Rank 1	Rank 2	Rank 3	Rank 4
05/19/2021	CH0+CH1+ST	100	6	6	6.00 %	0.00 %	6	0	0	0
05/26/2021	CH0+CH1+ST	56	0	(0.00 %	0.00 %	0	0	0	0
McNARY DAM										
Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Numl	per of Fish with F	in GBT - By Ra	ink
						GBT	Rank 1	Rank 2	Rank 3	Rank 4
05/19/2021	CH0+CH1+ST	100	0	(0.00 %	0.00 %	0	0	0	0
05/21/2021	CH0+CH1+ST	100	1	ŕ	1.00 %	0.00 %	1	0	0	0
05/25/2021	CH0+CH1+ST	100	0	(0.00 %	0.00 %	0	0	0	0
05/29/2021	CH0+CH1+ST	100	0	(0.00 %	0.00 %	0	0	0	0

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BONNEVILLE DAM

Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Num	ber of Fish with I	Fin GBT - By Ra	ink
						GBT	Rank 1	Rank 2	Rank 3	Rank 4
05/19/2021	CH1+ST	100	1	1	1.00 %	0.00 %	1	0	0	0
05/23/2021	CH1+ST	100	0	0	0.00 %	0.00 %	0	0	0	0
05/26/2021	CH1+ST	100	0	0	0.00 %	0.00 %	0	0	0	0

ROCK ISLAND DAM (ALL FISH)

Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Numb	er of Fish with F	Fin GBT - By Ra	nk
						GBT	Rank 1	Rank 2	Rank 3	Rank 4
05/18/2021	CH1+ST	100	2	2	2.00 %	0.00 %	2	0	0	0
05/20/2021	CH1+ST	100	3	3	3.00 %	0.00 %	3	0	0	0
05/25/2021	CH1+ST	100	0	0	0.00 %	0.00 %	0	0	0	0
05/27/2021	CH1+ST	100	4	4	4.00 %	0.00 %	4	0	0	0

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ROCK ISLAND DAM ("TRADITIONAL" EXAMS ONLY)

Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Numb	er of Fish with F	Fin GBT - By Ra	ank
						GBT	Rank 1	Rank 2	Rank 3	Rank 4
05/18/2021	CH1	16	1	1	6.00 %	0.00 %	1	0	0	0
05/27/2021	CH1+ST	33	4	4	12.00 %	0.00 %	4	0	0	0

ROCK ISLAND DAM ("FRESH" EXAMS ONLY)

Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Numb	er of Fish with F	in GBT - By Ra	nk
						GBT	Rank 1	Rank 2	Rank 3	Rank 4
05/18/2021	CH1+ST	84	1	1	1.00 %	0.00 %	1	0	0	0
05/20/2021	CH1+ST	100	3	3	3.00 %	0.00 %	3	0	0	0
05/25/2021	CH1+ST	100	0	0	0.00 %	0.00 %	0	0	0	0
05/27/2021	CH1+ST	67	0	0	0.00 %	0.00 %	0	0	0	0

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Non-salmonid Below Bonneville

Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Numb	er of Fish with F	in GBT - By Ra	nk
						GBT	Rank 1	Rank 2	Rank 3	Rank 4
05/20/2021	CH0+LD+SC+SK+NP+SU	136	0	0	0.00 %	0.00 %	0	0	0	0
05/28/2021	CH0+LU+SC+SK+NP	130	0	0	0.00 %	0.00 %	0	0	0	0

Electrofishing Below Bonneville

	Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Numl	ber of Fish with	Fin GBT - By Ra	ink
							GBT	Rank 1	Rank 2	Rank 3	Rank 4
05/1	9/2021	LU+PM+SC+NP+SU	31	2	2	6.00 %	0.00 %	2	0	0	0
<mark>05/2</mark>	1/2021	LU+SK+SU	17	2	2	12.00 %	0.00 %	2	0	0	0
<mark>05/2</mark>	8/2021	LU+MW	15	0	0	0.00 %	0.00 %	0	0	0	0

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Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Nur	nber of Fish with	n Fin GBT - By F	Rank
						GBT	Rank 1	Rank 2	Rank 3	Rank 4
<mark>m Angling at</mark> ∃ Date	The Dalles Tailrace Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Nur	nber of Fish with	n Fin GBT - By F	Rank

Samples highlighted in yellow indicate that the minimum sample size criteria of 50 fish was not met. The inability to collect an adequate sample precludes the accurate estimation of the percentage of fish with GBT. Therefore, making management decisions based on these small of sample sizes is inadvisable.

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Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Nun	ber of Fish with	Fin GBT - By R	Rank
						GBT	Rank 1	Rank 2	Rank 3	Rank 4
	Below McNary									
<u>on-salmonic</u> Date	Below McNary Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin GBT	Nun Rank 1	nber of Fish with Rank 2	I Fin GBT - By R Rank 3	Rank Rank 4
				w/ Fin GBT	w/ Fin GBT	w/ Severe Fin			Rank 3	Rank 4

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Non-salmonic	Below Ice Harbor									
Date	Species Examined	Total Fish Examined	Total Fish w/ GBT	Total Fish w/ Fin GBT	Percent Fish w/ Fin GBT	Percent Fish w/ Severe Fin	Numb	per of Fish with	Fin GBT - By Ra	ink
						GBT	Rank 1	Rank 2	Rank 3	Rank 4
05/18/2021	MW+SC+NP	133	1	1	1.00 %	0.00 %	1	0	0	0
05/25/2021	MW+SC+NP	119	0	C	0.00 %	0.00 %	0	0	0	0

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Species Code	Description	Species Code	Description	Species Code	Description
BM	Bass, Large Mouth	BS	Bass, Small Mouth	BL	Bluegill and Pumpkinseed
ВН	Bullhead	СР	Carp	CC	Channel Cat
СМ	Chiselmouth	UM	Chum	CR	Crappie species
LD	Dace - Long Nose	SD	Dace - Speckled	ВК	Killifish, Banded
AP	Lamprey Ammocoete (Pacific)	MP	Lamprey Macropthalmia Pacific	LK	Lamprey Adult (Brook)
LP	Lamprey Adult (Pacific)	LR	Lamprey Adult (River)	MA	Madtom, Tadpole
ОТ	Other incidental species not listed	PM	Peamouth	PE	Perch
NP	Pike Minnow, Northern	SR	Sand Roller	SC	Sculpin species
SA	Shad Adult	SJ	Shad Juvenile	RS	Shiner Redside
SK	Stickleback	SN	Sturgeon, Green	SG	Sturgeon, White
BU	Sucker - Bridgelip	LU	Sucker - Largescale	MU	Sucker - Mountain
SU	Sucker, Species	TT	Tench	BT	Trout - Brook
NT	Trout - Brown	LT	Trout - Bull	CT	Trout - Cutthroat
RT	Trout - Rainbow	WE	Walleye	WA	Warmouth
LW	Whitefish - Lake	MW	Whitefish - Mountain		

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