

Sent: Thursday, May 13, 2021 11:39 PM

Subject: [Non-DoD Source] Native, nonsalmonid GBT report (May 10-13)

All,

Below is a brief summary of GBT sampling for native nonsalmonids below Ice Harbor, McNary, and Bonneville for the week of May 10. The catch of mountain whitefish fry below Ice Harbor increased this week, but the catch was still dominated by northern pikeminnow and sculpin. Only one sculpin was observed with GBT in its caudal fin, and one sculpin had GBT in a pectoral fin. High flow from McNary affected our catch rate and we caught mostly sculpin. Three sculpin showed GBT in unpaired fins (2 w/rank 1; 1 w/rank 4), and seven additional sculpin had bubbles on their heads or pectoral fins. The attached photo shows the one sculpin with a "severe" rank in its anal fin along with numerous bubbles on its belly. Below Bonneville, only one three-spined stickleback showed GBT signs in its caudal fin (rank 2). This was the second species other than sculpin that we have seen with GBT. Three sculpins were observed that had bubbles on their chins or pectoral fins but not in the unpaired fins. We did catch one lamprey amocoete and it showed no GBT signs. One sculpin was collected with a fresh Chinook fry in its mouth, which ended up being a mortality, so we examined it as well. No sculpin with bubbles outside of unpaired fins or eyes were included in any calculation of GBT incidence or rank at any location. Also attached is a spreadsheet containing more detailed information on each individual fish collected and examined. Most of this comes straight from the GBT.net program but additional columns have been added that include most of the data we collect during sampling. Although the column names should be obvious, there is a ReadMe tab the explains them. Let me know if you have any questions.

Zone	Dates sampled	Methods		Species sampled	Number examined	Size range (mm)	Number w/GBT	GBT rate %	GBT rank	Comments
IHR	5/11	X	X	NPM, COT, MWF	127	25-143	1	0.8	1	
BON + MCN	5/10, 5/13	X	X	COT, SPD, NPM, TSS, LAM	177	37-143	4	2.3	1, 2, 4	
Location	Dates sampled	Seine	E-fishing	Species sampled	Number examined	Size range (mm)	Number w/GBT	GBT rate %	GBT rank	Comments
IHR	5/11	X	X	NPM, COT, MWF	127	25-143	1	0.8	1	1 sculpin w/GBT in caudal fin; 1 w/GBT in pect. Fin
MCN	5/10	X	X	COT, SPD	76	37-141	3	3.9	1, 4	7 other sculpins w/GBT on head and pectoral fins
BON	5/13	X	X	NPM, COT, TSS, LAM	101	43-143	1	1	2	TSS with GBT in caudal; 3 sculpin w/GBT on head, pect. fins
Species codes: NPM=northern pikeminnow, PEA=peamouth, LSS=largescale sucker, BLS=bridgelip sucker										
SUC = sucker spp., COT=sculpin spp., SPD=speckled dace, TSS=three-spine stickleback, MWN=mountain whitefish										
WST=white sturgeon, LAM=Pacific lamprey, CHM=chiselmouth, RSS=redside shiner,										
SDR=sand roller, LND=Longnose dace, LAM=lamprey amocoete										
GBT rate: The percentage of fish with GBT of all fish examined										
GBT rank: 0=no bubbles, 1 = 1-5%, 2 = 6-25%, 3 = 26-50%, 4 = >50% of fins or eyes occluded										