

Thu 5/20/2021 6:50 PM

Native, nonsalmonid GBT report (May 17-20)

All,

Below is a brief summary of GBT sampling for native nonsalmonids below Ice Harbor, McNary, and Bonneville for the week of May 17. High winds and waves reduced sampling efficiency below McNary and only 60 fish were collected. No fish were observed with GBT in the unpaired fins or eyes but two sculpin were collected with GBT in paired fins. At one site, a freshly dead tadpole madtom was found on the beach with severe GBT and hemorrhaging (photo: "MCN 05182021 Madtom\_1"). Also, a small pumpkin seed was collected with a exophthalmia in one eye, which may or may not have been the result of GBT. Below Ice Harbor, only one sculpin was collected that had GBT in the dorsal fin (rank 1) as well as numerous bubbles on the head (photo: "IHR 05182021 sculpin"). One other sculpin was collected with GBT on the head and paired fins. No salmonids were observed during electrofishing or seining at either location. Below Bonneville Dam we collected five species of resident nonsalmonids as well as 35 subyearling fall Chinook salmon and 1 northern pikeminnow in a beach seine. No fish showed signs of GBT. We also collected what we believe to be an oriental weatherfish, which is nonnative but has been found elsewhere in the system.

At the request of the Corps, we conducted a small sampling effort below Little Goose Dam to determine if GBT might be related to the observation of some dead fish along the banks below the project. No GBT was found in the 49 fish (20 sculpin; 29 smallmouth bass) we collected. This effort was not part of the regional GBT monitoring program. These data were reported to the FPC in an effort to make available all data we have collected related to GBT sampling. Please note that in the attached spreadsheet that the "TST" location is Little Goose.

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	5/18	X	X	NPM, COT, MWF	133	29-125	1	0.8	1	
BON + MCN	5/17, 5/20	X	X	NPM, COT, TSS, LND, SUC, MWF, CHN	196	37-130	0	0	0	
Location	Dates sampled	Seine	E-fishing	Species sampled	Number examined	Size range (mm)	Number w/GBT	GBT rate %	GBT rank	Comments
IHR	5/18	X	X	NPM, COT, MWF	133	29-125	1	0.8	1	
MCN	5/17	X	X	COT, NPM, MWF	60	39-120	0	0	0	
BON	5/20	X	X	NPM, COT, TSS, LND, SUC, CHN	136	37-130	0	0	0	
LGS	5/19		X	COT, SMB	49	45-105	0	0	0	
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 amoete, SMB=smallmouth bass; CHN=Chinook										
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										







