



United States Department of the Interior
U.S. FISH & WILDLIFE SERVICE

Idaho Fish Health Center

276 Dworshak Complex Drive
Orofino, ID 83544-
Phone: 208-476-9500
Fax: 208-476-9741



Case Information

Case Number	18-089	Report Date	2018-02-22
Case Date	2018-02-22	Reported By	MARILYN BLAIR
Case Type	MONITORING	Title	

Facility Information

Facility	Dworshak National Fish Hatchery	Location	
Address	276 DWORSHAK COMPLEX DRIVE OROFINO, ID 83544	Contact	JEREMY SOMMER
		Phone	208-476-4591
		Fax	

Comments

Background	Gas bubble monitoring for spring Chinook in B bank. TDGs in North Fork of the Clearwater River: 122.2% at 10:00 hours on 2/22/18. TDGs in Hatchery Collection Channel: 104.5% at 10:00 hours on 2/22/18.
Remarks	

Species Information: spring Chinook salmon (Clearwater)

Sample Information

Lot/Other Id		Water Source	Clearwater River
Container	RW-B18	Age Class	JUVENILE
Number	10	Age(months)	
Condition	Live	Size(mm)	

Species Comments

Remarks	All fish were collected arbitrarily from the general population of the pond.
Internal Obs.	9/10 fish had normal full levels of food in stomachs. One fish had 10% of full food level in its stomach. All 10 fish had 50% visceral fat. Kidney and gill samples were taken to test for the parasite <i>Nucleospora salmonis</i> by PCR.
External Obs.	Gills: Entire gill arches were excised for examination. Two fish had gas bubbles in the gills. Of these, one fish had one bubble in the gills. The second fish had 2 bubbles in one gill filament and 1 bubble in a second gill filament. Lateral lines: All 10 fish had gas bubbles along the lateral lines from 1-22 bubbles (1,2,3,4,4,8,9,10,19,22 bubbles per fish). 8/10 were of rank 1, 2/10 were of rank 2 (fish with 19 and 22 bubbles). No gas bubbles were observed in unpaired fins or eyes.

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Species Comments	
Recommendations	Continue to watch for increases in mortality or fish going off of feed.

Assay Results				
# Tested	Pathogen/Syndrome Tested	Tissue Tested	Result	Result Comments
10	Gas Bubble Trauma	Gill	Detected	Two fish with 1-3 bubbles in the gills.
10	Gas Bubble Trauma	Kidney/Gill	Pending	5 2p PCR.
10	Gas Bubble Trauma	Eye	Not Detected	Both eyes of each fish.
10	Gas Bubble Trauma	Fin clip	Not Detected	Unpaired fins.
10	Gas Bubble Trauma	Skin	Detected	All 10 fish had 1-22 bubbles along the lateral lines. 2 of rank 2, 8 of rank 1.