

January 25, 2016

Jennifer Gosselin

Research Scientist
Columbia Basin Research,
School of Aquatic and Fishery Sciences,
University of Washington
1325 4th Avenue, Suite 1515, Seattle WA 98101
Phone: (206) 685-7316
Email : gosselin@uw.edu

Affiliate status:
Northwest Fisheries Science Center,
National Marine Fisheries Service,
National Oceanic & Atmospheric Administration
2725 Montlake Blvd. East, Seattle WA 98112
Phone : (206) 861-8220
Email: jennifer.gosselin@noaa.gov

Attn: Jerry Carroll

Operations Manager
U. S. Army Corps of Engineers
Bonneville Lock and Dam
P. O. Box 150
Cascade Locks, OR 97014

RE: Request for Access to Bonneville Dam Juvenile Fish Facility

Mr. Carroll,

I am planning to conduct research from March 26 to October 31, 2016 on fish condition of juvenile Chinook salmon migrating through the Federal Columbia River Power System and relating these to their smolt-to-adult survival rates (SARs) and delayed mortality after hydrosystem passage. I am requesting permission for my research team to access the Bonneville Dam Juvenile Fish Facility.

My research investigation will help in better understanding ecological effects on salmon SARs and can help inform pre- and within-season decisions related to managed risk of the Juvenile Fish Transportation Program (i.e., Alternative 4 of the Transportation of Juvenile Salmonids, Snake River, Washington and Idaho, Configuration and Operations Plan; USACE 2015).

Fish sampling will occur approximately weekly late March through July, and then approximately monthly through October. I would like to discuss with the appropriate personnel about possible opportunities to subsample hatchery, spring-summer, yearling and fall, subyearling Chinook salmon from ongoing monitoring programs and research. I would also like to coordinate my work plan and refine the job/activity hazards and accidental prevention plan I have included in my request to ensure that my research runs smoothly and does not affect ongoing activities at the projects.

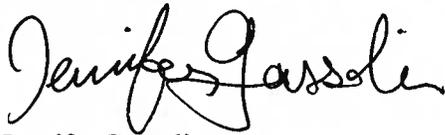
Our research proposal has been reviewed by the Study Review Work Group (SRWG), through Mr. Sean Tackley (Biologist, USACE, Portland District) and Mr. Derek Fryer (Fisheries Biologist, USACE, Walla Walla District). Thanks to the review comments and questions, we have refined our research further. A final proposal of the work was sent mid-January to the SRWG. The analytical modeling of related fish data has been developed over the past several

years by Prof. James Anderson and myself, among others. The funding for the analytical work is from Bonneville Power Administration. This field work to collect data on fish condition is sponsored by the Northwest Fisheries Science Center, and funded by the Bonneville Power Administration.

With regards to the current extent of coordination, I have started discussing this research with Ms. Ida Royer (Fisheries Research Coordinator, Bonneville Dam), Mr. Ben Hausmann (Supervisory Fisheries Biologist, Bonneville Dam), and Ms. Tammy Mackey (District Fisheries Biologist – Columbia River), but was not going to continue further plans for coordination until this request was submitted. I have been coordinating among other research scientists as well to share various tissues of our sample collections for various research studies. State and federal fish take permit applications have been submitted. Attached is my Request for Access.

Please let me know if you have questions, or if you would like the more detailed version of the research proposal. Thank you for your time and consideration, and I look forward to hearing from you.

Sincerely,

A handwritten signature in cursive script that reads "Jennifer Gosselin". The signature is written in black ink and is positioned above the printed name.

Jennifer Gosselin