

Bonneville Dam Project Work Plan 2015
Columbia River Inter-Tribal Fish Commission
Fish Management
Pacific Lamprey Project

United States Army, Corps of Engineers, Portland District
Bonneville Lock and Dam
Cascade Locks, OR 97014
(541) 374-8801

April 10, 2015

Background

The Columbia River Inter-Tribal Fish Commission (CRITFC), in accordance with The Tribal Pacific Lamprey Restoration Plan for the Columbia River Basin (TPLRP, CRITFC 2011), is supporting its member tribes' efforts to restore Pacific Lamprey (*Entosphenus tridentatus*) to the Columbia River basin. This ongoing project is funded by the Bonneville Power Administration and managed by the CRITFC. As part of the project we are requesting permission from the USACE for access to Bonneville, The Dalles, and John Day Dams to support adult lamprey collection by CRITFC member tribes (Yakama, Umatilla, and Nez Perce Tribes).

A key component to restoring lampreys to the Columbia River basin is to collect adults for translocation to upper reaches of the basin (e.g. Umatilla, Yakima, and Snake Rivers). CRITFC requests permission to enter the USACE projects to support the collection of up to 4272 adult Pacific lampreys (1068 per member tribe) among Bonneville (BON), The Dalles (TDA), and John Day dams (JDD). Collection request numbers are calculated using the Tribal Guidelines for Translocation contained in the TPLRP.

Objectives

CRITFC's role in supporting member tribe lamprey collection at USACE projects will primarily include, but not be limited to, the setting and checking of mechanical traps at the BON Washington Shore Adult Fish Facility (AFF), tube traps placed behind picketed leads at TDA and JDD, as well as the mechanical trap located at the JDD South Shore fishway. In addition to trapping at the BON AFF, CRITFC personnel will be responsible for safely holding trapped adult lamprey until member tribe staff transport adults to their respective ceded areas.

Objectives specific to Bonneville Dam are listed below.

- 1) Set and check mechanical lamprey traps at the BON AFF.
- 2) Safely hold trapped adult lamprey at the BON AFF until transfer to CRITFC member tribe staff utilizing previously established protocols developed by USACE funded researchers.
- 3) Facilitate the transfer of adult lamprey from mechanical and tube traps at BON, JDA, and TDA to CRITFC member tribe personnel.
- 4) Assist the USACE, regional researchers, and the CRITFC member tribes in the collection of biological data from adult lamprey collected at USACE mainstem dams (e.g. length, girth, weight, inter-dorsal length) using previously established methods.

Methods

Adult Pacific lampreys will be collected from May through September using the existing trap located in the Bonneville Washington Shore ladder. A maximum of 1156 lampreys will be collected at this location. Trapped fish will be held in existing equipment located within the AFF following existing methods and protocols developed by previous USACE funded researchers (e.g. UI and NOAA). Adult lamprey will be held at the AFF until CRITFC member tribe personnel arrive for transfer to tribal transport vehicles which will occur within 48 hours of collection.

	BON	TDA	JDD	TOTAL
Yakama Nation	289	450	329	1068
Umatilla Tribe	289	450	329	1068
Warm Springs Tribe*	289	450	329	1068
Nez Perce Tribe	289	450	329	1068
TOTAL	1156	1800	1316	4272

*not expected to participate

Schedule

Upon USACE approval, the CRITFC anticipates beginning this collection in May 2015 and continuing until last week of August or until the target is met, whichever is first. A routine work schedule has not yet been developed, but is expected to be developed within the first 10 days such that a high level of consistency and continuity can be expected by USACE in timing for Project access and departure over the course of the summer months.

Project Impact Statement

CRITFC has no anticipated impacts to the existing project activities other than access to the Washington Shore and the AFF. Measures will be taken to assure project safety.

Job Hazard/Safety Analysis

All personal will read the USACE General Safety Requirements Manual #385-1-1. The CRITFC Pacific Lamprey Project will have weekly safety meetings relative to adult collection activities at USACE projects. An activity Job Hazard Safety Analysis sheet is in the process of being finalized (expected completion April 20-24). A list of personnel and the expiration dates of their First Aid and CPR is listed below.

Material Safety Data Sheer

No hazardous materials will be brought on site for this activity.

Funding Arrangements

No project support will be necessary to perform job activities.

Personnel List

Name	Agency	Activity	1st Aid exp.	CPR exp.
Brian McIlraith	CRITFC	Fishways		
Lamprey Collection Technician #1	TBD CRITFC	Fishways	TBD	TBD
Lamprey Collection Technician #2	TBD CRITFC	Fishways	TBD	TBD
Agnes Strong	CRITFC	Fishways	1-Mar-2017	1-Mar-2017
Jayson Fivecrows	CRITFC	Fishways	1-Mar-2017	1-Mar-2017
Buck Jones	CRITFC	Fishways	1-Mar-2017	1-Mar-2017
Crystal Chulik	CRITFC	Fishways	1-Mar-2017	1-Mar-2017

Vehicle List

To be determined (Expected completion May 18-29).

Collection Permit

To be determined (Expected completion April 20-May 1).