**Project Work Plan 2017**

**Columbia River Inter-Tribal Fish Commission**

**Fish Management**

**Pacific Lamprey Project**

**United States Army, Corps of Engineers, Portland District**

**The Dalles Lock and Dam**

**P. O. Box 564**

**Cascade Locks, OR 97058**

**May 2017**

**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 9984 adult Pacific lampreys (2496 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 (updated May 2017).

**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 lamprey traps at BON, TDA, and JDD and the mechanical trap located at the JDD South Shore fishway. In addition, the CRITFC and its members aim to access to adults collected at the Bonneville Washington Shore Lamprey Flume Structure, the Cascades Island Lamprey Passage Structure (LPS), and the JDD North Lamprey Passage Structure. In addition to trapping at BON, CRITFC personnel will be responsible for safely holding trapped adult lamprey at BON until retrieval by member tribe staff and transporting adult lamprey, collected at TDA, to JDD for transfer to member tribe staff.

Objectives specific to Bonneville Dam are listed below.

1. Facilitate the transfer of adult lamprey from mechanical and lamprey traps at BON, JDA, and TDA to CRITFC member tribe personnel.
2. 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.
3. Set and check lamprey traps, LPSs, and the LFS at BON.
4. 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.

**Methods**

Adult Pacific lamprey will be collected from May through September using traps located behind the picketed leads at The Dalles Dam. A maximum of 1812 lampreys will be collected at The Dalles through various methods by Yakama, Umatilla, and Nez Perce Tribes through facilitation by the CRITFC. Lamprey tube traps (approximately 12/10-inch diameter PVC pipe, 3-feet length with conical entrance on each side, with lines attached and tied off) will be deployed and checked daily. Trapped lamprey will be placed into insulated coolers then carried to transport in a GSA, ¾ ton truck. Upon checking traps and securing transport tank and equipment, tribal crews will check out to leave the Project area.

Table 1. Maximum collection numbers by tribe, project, and overall in 2017.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | BON | TDA | JDD | TOTAL |
| Yakama Nation | 1248 | 599 | 453 | 2496 |
| Umatilla Tribe | 1248 | 599 | 453 | 2496 |
| Warm Springs Tribe\* | 1248 | 599 | 453 | 2496 |
| Nez Perce Tribe | 1248 | 599 | 453 | 2496 |
| TOTAL | 4992 | 2396 | 1812 | 9984 |
| \*not expected to collect adults for translocation |  |  |  |  |

**Schedule**

Upon USACE approval, the CRITFC anticipates beginning this collection in June 2017 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 Dalles North and East Shore fish ladders. 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. Activity Job Hazard Safety Analysis sheet, a list of personal and the expiration dates of their First Aid and CPR will be attached.

**Material Safety Data Sheet**

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 | |  | |  | |
| Laurie Porter | | CRITFC | | Fishways | |  | |  | |
| Gerald Ellenwood | | CRITFC | | Fishways | |  | |  | |
| George Batten | | CRITFC | | Fishways | |  | |  | |
| Spencer Lejins | | CRITFC | | Fishways | |  | |  | |
|  | |  | |  | |  | |  | |

**Vehicle List**

To be determined.

**Collection Permit**

Scientific collection permit issued by the Yakama Nation to the Columbia River Inter-Tribal Commission to collect and transport adult lamprey at Bonneville, The Dalles, and John Days (February 1, 2017).