

## USFWS

### Lower Columbia River Fish Health Center (LCRFHC)

#### **Work plan/schedule for the collection of American shad.**

##### **Adult facility (AFF)**

LCRFHC would like to collect up to 150 adult shad to examine for fish health pathogens. We will be collecting the shad with the help of CRITFC personnel. The fish will be collected from the holding tank via the collection flume. The shad will be euthanized with Aqui-S and put into an ice chest/cooler. The fish will be taken back to the LCRFHC and worked up as soon as possible. Fish collections will begin May 2, 2016. We will be collecting fish at least once a week (10-20 fish) for at least 5-6 weeks.

#### **Work plan/schedule for the collection of adult Summer Chinook salmon, Steelhead, Sockeye Salmon, Pacific Lamprey, Fall Chinook salmon, Coho salmon mortalities.**

LCRFHC would like to be able to collect any adult fish mortalities that occur at the dam. The fish will be taken back to the lab and examined for pathogens and potential cause of death. The collections will begin May 2, 2016 and will continue until the adult facility is closed down for the season. LCRFHC is planning on communicating with the AFF staff that monitors the daily mortalities. If there are any mortalities we (LCRFHC) could possibly be collecting fish daily. The frequency at which we will be collecting fish depends on if/and when there is a fish mortality found at the AFF.

##### **Juvenile facility (SMF)**

LCRFHC would like to collect up to 150 juvenile shad to examine for fish health pathogens. We will be collecting the shad with the help of Dean Ballinger. The fish will be collected, euthanized, and put into an ice chest/cooler. Collections will begin in September 2016. We would like to collect the fish throughout the shad migration (20-40 fish/week).

LCRFHC would like to be able to collect up to 500 hatchery juvenile Spring Chinook salmon by the Pit Tag separator code. The fish are from the Deschutes River, Round Butte Hatchery and Warm Springs National Fish Hatchery. A few fish, up to 150 will be euthanized and examined thoroughly for fish health pathogens. The remaining fish will be anesthetized with MS-222 and non-lethally examined for the presence of *Ceratonova shasta* and *Salmincola*. The fish will be allowed to recover and released into the Columbia River.

## **Project Impacts**

### **Project Services**

During the spring and summer migration season, we will need access to the adult facility (AFF) in order to collect migrating American shad adults. The shad will be collected from the holding tank which is operated by Columbia River Inter-Tribal Fish Commission (CRITFC). The fish will be euthanized by AQUIS and taken back to the LCRFHC and examined for fish health pathogens.

In addition, we will need access to the (AFF) in order to collect adult salmon and Pacific lamprey mortalities that might have occurred. The fish will be given a complete fish health exam to check for pathogens and to try and figure out how and why it died.

In the spring, we will need access to the smolt monitoring facility (SMF) in order to collect the Spring Chinook salmon smolts that will be collected by separator tags. A group of fish, up to 150 fish, will be euthanized by MS-222 and taken back to the LCRFHC and examined for health pathogens. The remaining fish will be anesthetized at the (SMF) and briefly examined for the presence of fish pathogens and then released into the Columbia River.

In the fall, we will need access to the smolt monitoring facility (SMF) in order to collect out migrating American shad juveniles. The fish will be collected from the juvenile bi-pass center by Dean Ballinger. The fish will be euthanized by MS-222 and taken back to the LCRFHC and examined for fish health pathogens.

### **Security**

Project security issues involve access to the AFF and SMF by LCRFHC personnel and vehicles. There should not be any other security issues.

### **Safety**

All personnel will read the Corps of Engineers General Safety Requirements Manual #385-1-1. The list of personnel and the expiration dates of their First Aid and CPR expiration dates is attached.

The Activity Hazard Analysis is attached.

### **List of personnel and vehicles**

| <b>Name</b>     | <b>Agency</b> | <b>Activity</b> | <b>First aid</b> | <b>CPR</b> |
|-----------------|---------------|-----------------|------------------|------------|
| Kenneth Lujan   | USFWS         | AFF, SMF        | 5/07/16          | 5/07/16    |
| Spencer Meinzer | USFWS         | AFF, SMF        | 5/07/16          | 5/07/16    |
| David Thompson  | USFWS         | AFF, SMF        | 5/07/16          | 5/07/16    |

| <b>License</b> | <b>Description</b> | <b>Color</b> | <b>Agency</b> | <b>Owner</b> | <b>POC/Crew</b> |
|----------------|--------------------|--------------|---------------|--------------|-----------------|
| I485853        | Ford F-150 Pickup  | White        | USFWS         | US Gov       | Lujan, Ken      |
| I489394        | Ford Escape XLT    | White        | USFWS         | US Gov       | Lujan, Ken      |