



Authorizations and Permits for Protected Species (APPS)

File #: 19165

Title: Renew: National Wild Fish Health Survey

Applicant Information

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Project Information

File Number: 19165
Application Status: **Application Complete**
Project Title: Renew: National Wild Fish Health Survey
Project Status: Renewal
Previous Federal or State Permit: [18377](#)
Permits Requested:

- 4d Rule coverage
- Oregon Scientific Taking Permit for Fish and Marine and Freshwater Invertebrates

Where will activities occur? Oregon (including Columbia River and offshore waters)
State department of fish and game/wildlife: N/A
Research Timeframe: **Start:** 03/01/2015 **End:** 12/31/2015
Sampling Season/Project Duration: The wild fish survey started in 1997 but collected listed fish since 2002. Project duration could be up to ten years or more, depending on funding.

Project Type:

Monitoring

Project Description

Purpose: The purpose of the National Wild Fish Health Survey is to determine the distribution of specific pathogens in wild fish populations.

Description: The Fish and Wildlife Service requested and received a \$1 million annual increase in appropriations for fish disease work. Six hundred thousand dollars was used to initiate a National Wild Fish Health Survey (Survey) under the leadership of Service Regional Fish Health Centers (Centers), and in cooperation with stakeholders such as states, Tribes, and the aquaculture industry. This project incorporates standardized diagnostic and data management methods to ensure national comparability, identifies target pathogens, fish species, and habitats for survey, and is developing a systematic and interagency approach to fish health management of important watersheds. The Lower Columbia River Fish Health Center (USFWS) has been working cooperatively with ODFW since 2002 to look at the health of fish populations in the Clackamas River Basin. In the winter 2001, a private rainbow trout hatchery on Clear Creek, a tributary of the Clackamas River, tested positive for *Myxobolus cerebralis* spores, the causative agent for Whirling Disease. This is a major pathogen of concern and has not been previously found in this watershed. ODFW did not know if fish escaped from the hatchery or if the spores spread to wild fish populations. Because of this, ODFW began collecting salmonids with rotary screw traps and asked if the Lower Columbia River Fish Health Center could examine the fish for fish pathogens, primarily *Myxobolus cerebralis*. To date, the samples have all tested negative but we will continue to look for this pathogen and other fish pathogens in targeted basins.

In recent years, the Deschutes River has seen an increase in hatchery and wild steelhead straying from other basins. About 33% of these stray fish are infected with *Myxobolus cerebralis* spores. A majority of these fish are from NE Oregon's Snake River watershed and Idaho. In the Grande Ronde River basin, there are several tributaries that are positive for *Myxobolus cerebralis* spores. The spores infect the fish as juvenile smolts and the fish can carry the spores their whole life. After the fish dies, the spores will be released back into the water when the fish decomposes. To date, the Deschutes River does not have any wild populations of fish infected with *Myxobolus cerebralis*.

Beginning in 2013, the Lower Columbia River Fish Health Center will be working cooperatively with ODFW on the Hood River. Wild fish will be collected and examined for fish pathogens. The findings will be used as baseline data before a new hatchery on the West Fork Hood River is operational. This baseline information may help make management decisions in the Hood River sub-basin. Fish will also be collected from the West Fork Hood River, East Fork Hood River, and the mainstem Hood River. Most of the fish will be collected by rotary screw traps operated by ODFW. Fish will also be collected by backpack electrofishing upstream of the proposed hatchery site.

In the Hood River sub-basin, LCRFHC will work with ODFW's Philip Simpson - 4d permit # 17630. Determine wild steelhead (*Oncorhynchus mykiss*) and spring Chinook salmon (*Oncorhynchus tshawytscha*) production in the Hood River subbasin.

The LCRFHC is also working cooperatively with ODFW's Ian Tattam from the John Day River subbasin. Any mortalities from the rotary screw traps in the John Day River will be examined for fish pathogens.

The Lower Columbia River Fish Health Center will also work in cooperation with ODFW to monitor the water sources above some of the ODFW's fish hatcheries. Wild fish will be collected and examined for fish pathogens.

This includes: Wallowa Hatchery, Lookingglass Hatchery, Rock Creek Hatchery, Cascade Hatchery, Clackamas Hatchery, Leaburg Hatchery, McKenzie Hatchery, Sandy Hatchery, South Santiam Hatchery, Marion Forks Hatchery, and upstream of the adult facility in the South Fork Walla Walla River.

Spring Viremia of Carp (SVC) is an economically and ecologically important disease of farmed and wild carp and other cyprinid fish species caused by *Rhabdovirus carpio*. SVC disease (or infection with the viral pathogen, SVCV) is a condition that, when diagnosed or detected, is currently notifiable to the World Organization for Animal Health (OIE) on an immediate basis (within 24 hrs.) for first-time occurrences. In the US, the suspicion or confirmation of SVC, a designated foreign animal disease, or detection of SVCV entails notification to the United States Department of Agriculture (USDA). The first reported US case of SVC was in North Carolina ornamental koi in 2002, followed by a case in a wild cyprinid population in Wisconsin later that same year. Other outbreaks were reported in cultured carp species in Washington and Missouri in the summer of 2004. The USDA and the US Fish and Wildlife Service have entered into an agreement to perform SVCV surveillance on wild cyprinid populations in the waters of the US to determine the presence and distribution, if any, of this pathogen.

Supplemental Information

Methods:	The methods for the project are attached. The attached file is a pdf of the National Wild Fish Health Survey Laboratory Procedures Manual.
Lethal Take:	The samples have to be lethally taken in order to collect internal organs to test for specific fish pathogens. Fish designated for lethal take will always include any fish that appear to be stressed, appears likely to die, or are already dead at the time of capture. Fish that are sacrificed are placed in bags, kept on ice, and taken to the laboratory for testing.
Anticipated Effects on Animals:	After capture, fish will be held either in live-wells with aeration and flow through water, in mesh pens at the site of capture, in aerated buckets, or in the bag of the net before being processed. Specimens that are intentionally sacrificed, collected during field operations, are labeled and placed in a plastic bag, then brought to the Lower Columbia River Fish Health Center and immediately processed.
Measures to Minimize Effects:	We collect and handle fish in a manner to minimize stress and mortality following NMFS electrofishing guidelines. There is a one time pass with the electrofisher over a relatively short length of stream. No streams or stream segments are extensively electrofished.
Disposition of Tissues:	The fish carcasses and fish tissues will be properly exposed of. They will be autoclaved and placed in the landfill.
Public Availability of Product/Publications:	The information collected with the National Wild Fish Health Survey will be available for the public to view on the internet. This information is available on the National Wild Fish Database at (http://www.fws.gov/wildfishsurvey).

Biologist Comments

Date	From	Comments
10/09/2014	Sam Onjukka	Supports the project.
10/10/2014	Rod French	The Mid-Columbia continues to support your work, please continue to coordinate with both research and district management efforts with any potential samples.
10/11/2014	Craig Banner	Anything you do is good and the Deschutes stuff might be pretty interesting. We appreciate whatever you can get done.
10/17/2014	Jeff Yanke	The Wallowa district values the information this project provides, and is supportive of this project. We appreciate the level of coordination with fish research and district staff.
10/20/2014	Holly Huchko	We support this ongoing research. In the Umpqua, at the site specified via electrofishing you will likely encounter many other native fish as bycatch. Please add appropriate additional species to the permit (ex. multiple species of dace, sculpin, etc). Please contact us if you need help with species.

Federal Information

Federal Agency	Type	Authorization Number and Title	Date Signed	Expiration Date	Listing Units/Stocks Covered	Comments
U.S. Fish and Wildlife Service (FWS)	Funding	National Wild Fish Health Survey			N/A	The National Wild Fish Health Survey is funded by the U.S. Fish and Wildlife Service. The Lower Columbia River Fish Health Center is a federal laboratory with federal employees.

U.S. Fish and Wildlife Service (FWS)	Cooperator	TE-50381A, LCRFHC	07/22/2011	Warner Sucker, Range-wide (USFWS Threatened)	I will be working cooperatively with ODFW's Paul Scheerer's group of Corvallis, Oregon.
National Marine Fisheries Service (NMFS)	Section 10 permit	14668 National Wild Fish Health Survey	03/31/2011	Steelhead, Middle Columbia River (NMFS Threatened)	Section 10 permit # 14668 is for sampling the mainstem Columbia River and Snake River

Location/Take Information

Freshwater Location

Research Area: State: OR **Sub Basin (4th Field HUC):** Lower Deschutes **Stream Name:** Shitike Creek **Latitude:** 44 45 44.40 **Longitude:** 121 13 41.42

Sale in Oregon of species taken: None

Location Description: Confluence of Shitike Creek and Deschutes River upstream

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Cottids	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
2		Dace, Longnose	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
3		Dace, Speckled	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
4		Lamprey, Pacific	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
5		Pikeminnow, Northern	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
6		Salmon, Chinook	Unspecified	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Trap, Screw		Spring	N/A	3/1/2015	12/31/2015
7		Shiner, Redside	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
8		Steelhead	Middle Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Trap, Screw		Summer	N/A	3/1/2015	12/31/2015
9		Sucker, Largescale	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
10		Whitefish, Mountain	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Clackamas **Stream Name:** Eagle Creek **Latitude:** 45.3515 **Longitude:** 122.3761

Sale in Oregon of species taken: None

Location Description: Eagle Creek from the mouth up to the hatchery

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Dace, Longnose	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
2		Dace, Longnose	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
3		Dace, Speckled	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
4		Dace, Speckled	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
5		Lamprey, Pacific	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
6		Lamprey, Pacific	NA	Natural	Juvenile	Unknown	60	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
7		Lamprey, Western brook	NA	Natural	Unknown	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
8		Pikeminnow, Northern	NA	Natural	Unknown	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
9		Pikeminnow, Northern	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
10		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015
11		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
12		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Listed Hatchery Adipose Clip	Juvenile	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015

13		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
14		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
15		Sculpin (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
16		Shiner (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
17		Shiner (unknown)	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
18		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Winter	N/A	3/1/2015	12/31/2015
19		Sucker (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
20		Sucker (unknown)	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
21		Trout, Cutthroat	Coastal	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
22		Trout, Cutthroat	Coastal	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean State: OR Sub Basin (4th Field HUC): Clackamas Stream Name: Clear Creek

Sale in Oregon of species taken: None

Location Description: Clear Creek, a tributary of the Clackamas River

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Trout, Cutthroat	Coastal	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
2		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015

3		Trout, Cutthroat	Coastal	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
4		Lamprey, Pacific	NA	Natural	Juvenile	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
5		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Winter	N/A	3/1/2015	12/31/2015
6		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
7		Lamprey, Western brook	NA	Natural	Unknown	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
8		Sculpin (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
9		Dace, Speckled	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
10		Dace, Speckled	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
11		Dace, Longnose	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
12		Dace, Longnose	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
13		Pikeminnow, Northern	NA	Natural	Unknown	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
14		Pikeminnow, Northern	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
15		Shiner (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
16		Shiner (unknown)	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
17		Sucker (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
18		Sucker (unknown)	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015

19		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015
20		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
21		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Listed Hatchery Adipose Clip	Juvenile	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean State: OR Sub Basin (4th Field HUC): Clackamas Stream Name: Clackamas River

Sale in Oregon of species taken: None

Location Description: Upper Clackamas River

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Trout, Cutthroat	Coastal	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
2		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
3		Trout, Cutthroat	Coastal	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
4		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Winter	N/A	3/1/2015	12/31/2015
5		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
6		Lamprey, Pacific	NA	Natural	Juvenile	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
7		Lamprey, Western brook	NA	Natural	Unknown	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
8		Sculpin (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
9		Dace, Speckled	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015

10		Dace, Speckled	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
11		Dace, Longnose	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
12		Dace, Longnose	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
13		Pikeminnow, Northern	NA	Natural	Unknown	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
14		Pikeminnow, Northern	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
15		Shiner (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
16		Shiner (unknown)	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
17		Sucker (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
18		Sucker (unknown)	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
19		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015
20		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
21		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Listed Hatchery Adipose Clip	Juvenile	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015
22		Trout, Brook	NA	Natural	Adult	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
23		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Clackamas **Stream Name:** North Fork Eagle Creek

Sale in Oregon of species taken: None

Location Description: North Fork Eagle Creek and Bear Creek

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Trout, Cutthroat	Coastal	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
2		Lamprey, Pacific	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
3		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
4		Trout, Cutthroat	Coastal	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
5		Lamprey, Pacific	NA	Natural	Juvenile	Unknown	60	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
6		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Winter	N/A	3/1/2015	12/31/2015
7		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
8		Lamprey, Western brook	NA	Natural	Unknown	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
9		Sculpin (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
10		Dace, Speckled	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
11		Dace, Speckled	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
12		Dace, Longnose	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015

13		Dace, Longnose	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
14		Pikeminnow, Northern	NA	Natural	Unknown	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
15		Pikeminnow, Northern	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
16		Shiner (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
17		Shiner (unknown)	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
18		Sucker (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
19		Sucker (unknown)	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
20		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015
21		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
22		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Listed Hatchery Adipose Clip	Juvenile	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015
23		Trout, Rainbow	NA	Unlisted Hatchery	Unknown	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
24		Trout, Rainbow	NA	Unlisted Hatchery	Unknown	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
25		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Clackamas **Stream Name:** Deep Creek

Sale in Oregon of species taken: None

Location Description: Deep Creek, a tributary of the Clackamas River

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Trout, Cutthroat	Coastal	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
2		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
3		Trout, Cutthroat	Coastal	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
4		Lamprey, Pacific	NA	Natural	Juvenile	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
5		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Winter	N/A	3/1/2015	12/31/2015
6		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
7		Lamprey, Western brook	NA	Natural	Unknown	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
8		Sculpin (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
9		Dace, Speckled	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
10		Dace, Speckled	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
11		Dace, Longnose	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
12		Dace, Longnose	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
13		Pikeminnow, Northern	NA	Natural	Unknown	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
14		Pikeminnow, Northern	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
15		Shiner (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015

16		Shiner (unknown)	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
17		Sucker (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
18		Sucker (unknown)	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
19		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015
20		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
21		Salmon, Chinook	Upper Willamette River (NMFS Threatened)	Listed Hatchery Adipose Clip	Juvenile	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Lower Columbia-Sandy **Stream Name:** Cedar Creek

Sale in Oregon of species taken: None

Location Description: Upstream of the Sandy Hatchery.

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
2		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
3		Trout, Brook	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
4		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
5		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Summer	N/A	3/1/2015	12/31/2015

6		Trout, Cutthroat	Coastal	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
7		Trout, Cutthroat	Coastal	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
8		Lamprey, Pacific	NA	Natural	Juvenile	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
9		Lamprey, Western brook	NA	Natural	Unknown	Unknown	10	1	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
10		Sculpin (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
11		Dace, Speckled	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
12		Dace, Speckled	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
13		Dace, Longnose	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
14		Dace, Longnose	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
15		Pikeminnow, Northern	NA	Natural	Unknown	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
16		Pikeminnow, Northern	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
17		Shiner (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
18		Shiner (unknown)	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
19		Sucker (unknown)	NA	Natural	Unknown	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
20		Sucker (unknown)	NA	Natural	Unknown	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Lower Deschutes **Stream Name:** Warm Springs River **Latitude:** 44 51 32.11 **Longitude:** 121 04 0.16

State in Oregon of species taken: None

Location Description: Confluence of the Warm Springs River and the Deschutes River upstream.

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Cottids	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
2		Dace, Longnose	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
3		Dace, Speckled	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
4		Lamprey, Pacific	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
5		Pikeminnow, Northern	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
6		Salmon, Chinook	Unspecified	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Trap, Screw		Spring	N/A	3/1/2015	12/31/2015
7		Shiner, Redside	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
8		Steelhead	Middle Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Trap, Screw		Summer	N/A	3/1/2015	12/31/2015
9		Sucker, Largescale	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015
10		Whitefish, Mountain	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Trap, Screw		N/A	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Lower Deschutes **Stream Name:** Deschutes River

Sale in Oregon of species taken: None

Location Description: Deschutes River mainstem

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Middle Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
2		Whitefish, Mountain	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015

3		Trout, Rainbow	NA	Natural	Adult	Unknown	60	0	Intentional (Directed) Mortality	Hook and line/angler/rod and reel	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
4		Steelhead	Middle Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	60	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Summer	N/A	3/1/2015	12/31/2015
5		Whitefish, Mountain	NA	Natural	Juvenile	Unknown	60	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Lower Deschutes **Stream Name:** Trout Creek

Sale in Oregon of species taken: None

Location Description: Trout Creek is a tributary of the Deschutes River

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Middle Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
2		Steelhead	Middle Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Summer	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Lower Deschutes **Stream Name:** Bakeoven Creek

Sale in Oregon of species taken: None

Location Description: Bakeoven Creek is a tributary of the Deschutes River

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Middle Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Net, Fyke	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
2		Salmon, coho	Unspecified	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Net, Fyke	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Lower Deschutes **Stream Name:** Buck Hollow Creek

Sale in Oregon of species taken: None

Location Description: Buck Hollow Creek is a tributary of the Deschutes River

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Middle Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Net, Fyke	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
2		Salmon, coho	Unspecified	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Net, Fyke	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Lower Grande Ronde **Stream Name:** Grande Ronde River and Tribs

Sale in Oregon of species taken: None

Location Description: Will send a completed list of sites.

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Snake River Basin (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
2		Salmon, Chinook	Snake River spring/summer-run (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Spring/Summer	N/A	3/1/2015	12/31/2015
3		Trout, Cutthroat	Unspecified	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
4		Salmon, Chinook	Snake River fall-run (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Fall	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Lower John Day **Stream Name:** Columbia River

Sale in Oregon of species taken: None

Location Description: John Day Dam

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Transport Record	Begin Date	End Date
1		Shad, American	NA	Natural	Adult	Male and Female	200	0	Intentional (Directed) Mortality	Hand and/or Dip Net	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Middle Columbia-Hood **Stream Name:** Fifteenmile Creek and tributaries

Sale in Oregon of species taken: None

Location Description: Fifteenmile Creek and tributaries

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Middle Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
Details: will use mixed STS and STW per NOAA request															

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Middle Columbia-Hood **Stream Name:** Eagle Creek

Sale in Oregon of species taken: None

Location Description: Above Cascade Fish Hatchery

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Salmon, Chinook	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Fall	N/A	3/1/2015	12/31/2015
2		Salmon, Chinook	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Fall	N/A	3/1/2015	12/31/2015
3		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
4		Salmon, coho	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
5		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Mixed	N/A	3/1/2015	12/31/2015
6		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Mixed	N/A	3/1/2015	12/31/2015
7		Trout, Cutthroat	Unspecified	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
8		Trout, Cutthroat	Unspecified	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Middle Columbia-Hood **Stream Name:** Hood River

Sale in Oregon of species taken: None

Location Description: Mainstem Hood River

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Trap, Screw	Tissue sample (other internal tissues)	Mixed	N/A	3/1/2015	12/31/2015
2		Salmon, Chinook	Unspecified	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Trap, Screw	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
Details: non-listed															
3		Salmon, Chinook	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Trap, Screw	Tissue sample (other internal tissues)	Tule Fall	N/A	3/1/2015	12/31/2015
4		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Mixed	N/A	3/1/2015	12/31/2015
5		Salmon, Chinook	Unspecified	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
Details: non-listed															
6		Salmon, Chinook	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Tule Fall	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Middle Columbia-Hood **Stream Name:** West Fork Hood River **Begin Mile:** **End Mile:** 15.0

Sale in Oregon of species taken: None

Location Description: Tributary to the mainstem of the Hood River. Upstream of the Moving Falls Hatchery location.

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Trap, Screw	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
2		Salmon, Chinook	Unspecified	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Trap, Screw	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
Details: non-listed															
3		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015

4		Salmon, Chinook	Unspecified	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
Details: non-listed															

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Middle Columbia-Hood **Stream Name:** Middle Fork Hood River **Begin Mile:** **End Mile:** 9.0
Sale in Oregon of species taken: None
Location Description: Middle Fork of the Hood River and it's tributaries.

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Trap, Screw	Tissue sample (other internal tissues)	Winter	N/A	3/1/2015	12/31/2015
2		Salmon, Chinook	Unspecified	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Trap, Screw	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
Details: non-listed															

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Middle Columbia-Hood **Stream Name:** East Fork Hood River **Begin Mile:** 1.0 **End Mile:** 1.5
Sale in Oregon of species taken: None
Location Description: East Fork of the Hood River.

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Lower Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Trap, Screw	Tissue sample (other internal tissues)	Winter	N/A	3/1/2015	12/31/2015
2		Salmon, Chinook	Unspecified	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Trap, Screw	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
Details: non-listed															

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Umatilla **Stream Name:** Umatilla River
Sale in Oregon of species taken: None
Location Description: Upper Umatilla River

Take Information

										Observe					
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Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	/Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Middle Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Trap, Screw	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
2		Salmon, Chinook	Unspecified	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Trap, Screw	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean State: OR Sub Basin (4th Field HUC): Umpqua Stream Name: Rock Creek

Sale in Oregon of species taken: None

Location Description: Upstream of Rock Creek Hatchery

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Unspecified	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Winter	N/A	3/1/2015	12/31/2015
2		Salmon, coho	Oregon Coast (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
3		Steelhead	Unspecified	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack	Anesthetize	Winter	N/A	3/1/2015	12/31/2015
4		Salmon, coho	Oregon Coast (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack	Anesthetize	N/A	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean State: OR Sub Basin (4th Field HUC): Umpqua Stream Name: Canyon Creek

Sale in Oregon of species taken: None

Location Description: Canyon Creek above the acclimation sites.

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Unspecified	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Winter	N/A	3/1/2015	12/31/2015
2		Salmon, coho	Oregon Coast (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
3		Steelhead	Unspecified	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Winter	N/A	3/1/2015	12/31/2015
4		Salmon, coho	Oregon Coast (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Upper Grande Ronde River **Stream Name:** Lookingglass Creek

Sale in Oregon of species taken: None

Location Description: Above Lookingglass Hatchery.

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Snake River Basin (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
2		Salmon, Chinook	Snake River spring/summer-run (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
3		Trout, Cutthroat	Unspecified	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
4		Salmon, Chinook	Snake River spring/summer-run (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
5		Steelhead	Snake River Basin (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Summer	N/A	3/1/2015	12/31/2015
6		Salmon, Chinook	Snake River spring/summer-run (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Summer	N/A	3/1/2015	12/31/2015
7		Trout, Cutthroat	Unspecified	Natural	Juvenile	Unknown	60	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
8		Salmon, Chinook	Snake River spring/summer-run (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015
9		Trout, Brook	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Walla Walla **Stream Name:** South Fork Walla Walla River

Sale in Oregon of species taken: None

Location Description: Upstream of the adult facility

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Middle Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
2		Salmon, Chinook	Unspecified	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
3		Steelhead	Middle Columbia River (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Summer	N/A	3/1/2015	12/31/2015
4		Salmon, Chinook	Unspecified	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean State: OR Sub Basin (4th Field HUC): Wallowa River Stream Name: Wallawa River

Sale in Oregon of species taken: None

Location Description: Above Wallowa Fish Hatchery (Deer Creek, Little Sheep Creek)

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Steelhead	Snake River Basin (NMFS Threatened)	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
2		Salmon, Chinook	Snake River spring/summer-run (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Summer	N/A	3/1/2015	12/31/2015
3		Trout, Cutthroat	Unspecified	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
4		Salmon, Chinook	Snake River spring/summer-run (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Spring	N/A	3/1/2015	12/31/2015
5		Steelhead	Snake River Basin (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Summer	N/A	3/1/2015	12/31/2015
6		Trout, Cutthroat	Unspecified	Natural	Juvenile	Unknown	60	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	N/A	3/1/2015	12/31/2015
7		Trout, Brook	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
8		Salmon, Chinook	Snake River spring/summer-run (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Capture/Handle/Release Fish	Electrofishing, Backpack		Summer	N/A	3/1/2015	12/31/2015

9	Salmon, Chinook	Snake River spring/summer-run (NMFS Threatened)	Natural	Juvenile	Unknown	10	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	Spring	N/A	3/1/2015	12/31/2015
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Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Warner Lakes **Stream Name:** Twentymile Creek

Sale in Oregon of species taken: None

Location Description: Twentymile Creek sub-basin.

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Transport Record	Begin Date	End Date
1		Bullhead, Brown	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
2		Dace, Speckled	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
3		Chub, Tui	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
4		Crappie, White	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
5		Bass, Largemouth	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
6		Trout, Brook	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
7		Sucker, Warner	Range-wide (USFWS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
8		Bullhead, Brown	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
9		Dace, Speckled	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
10		Chub, Tui	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
11		Crappie, White	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
12		Bass, Largemouth	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
13		Trout, Brook	NA	Natural	Juvenile	Unknown	60	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
14		Sucker, Warner	Range-wide (USFWS Threatened)	Natural	Juvenile	Unknown	20	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Warner Lakes **Stream Name:** Deep Creek

Sale in Oregon of species taken: None

Location Description: Deep Creek sub-basin.

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Transport Record	Begin Date	End Date
1		Bullhead, Brown	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
2		Dace, Speckled	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
3		Chub, Tui	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
4		Crappie, White	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
5		Bass, Largemouth	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
6		Trout, Brook	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
7		Sucker, Warner	Range-wide (USFWS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
8		Bullhead, Brown	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
9		Dace, Speckled	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
10		Chub, Tui	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
11		Crappie, White	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
12		Bass, Largemouth	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
13		Trout, Brook	NA	Natural	Juvenile	Unknown	60	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
14		Sucker, Warner	Range-wide (USFWS Threatened)	Natural	Juvenile	Unknown	20	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015

Freshwater Location**Research Area:** Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Warner Lakes **Stream Name:** Honey Creek**Sale in Oregon of species taken:** None**Location Description:** Honey Creek sub-basin.**Take Information**

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Transport Record	Begin Date	End Date
1		Bullhead, Brown	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
2		Dace, Speckled	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
3		Chub, Tui	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
4		Crappie, White	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
5		Bass, Largemouth	NA	Natural	Juvenile	Unknown	30	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
6		Trout, Brook	NA	Natural	Juvenile	Unknown	60	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
7		Sucker, Warner	Range-wide (USFWS Threatened)	Natural	Juvenile	Unknown	20	0	Intentional (Directed) Mortality	Electrofishing, Backpack	Tissue sample (other internal tissues)	N/A	3/1/2015	12/31/2015
8		Bullhead, Brown	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
9		Dace, Speckled	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
10		Chub, Tui	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
11		Crappie, White	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
12		Bass, Largemouth	NA	Natural	Juvenile	Unknown	30	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
13		Trout, Brook	NA	Natural	Juvenile	Unknown	60	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015
14		Sucker, Warner	Range-wide (USFWS Threatened)	Natural	Juvenile	Unknown	20	0	Capture/Handle/Release Fish	Electrofishing, Backpack		N/A	3/1/2015	12/31/2015

Freshwater Location

Research Area: Pacific Ocean **State:** OR **Sub Basin (4th Field HUC):** Middle Columbia-Hood **Stream Name:** Columbia at Bonneville Dam

Sale in Oregon of species taken: None

Location Description: Bonneville Dam adult and juveniled facility

Take Information

Line	Ver	Species	Listing Unit/Stock	Production /Origin	Life Stage	Sex	Expected Take	Indirect Mort	Take Action	Observe /Collect Method	Procedure	Run	Transport Record	Begin Date	End Date
1		Shad, American	NA	Natural	Adult	Unknown	200	0	Intentional (Directed) Mortality	Dam bypass, gateway, orifice, etc. (only if associated with fish handling)		N/A	N/A	3/1/2015	12/31/2015
2		Shad, American	NA	Natural	Juvenile	Unknown	200	0	Intentional (Directed) Mortality	Dam bypass, gateway, orifice, etc. (only if associated with fish handling)		N/A	N/A	3/1/2015	12/31/2015
3		Lamprey, Pacific	NA	Natural	Adult	Unknown	20	0	Intentional (Directed) Mortality	Dam bypass, gateway, orifice, etc. (only if associated with fish handling)	Tissue sample (other internal tissues)	N/A	N/A	3/1/2015	12/31/2015
4		Salmon, Chinook	Mid-Columbia River spring-run	Unlisted Hatchery	Juvenile	Unknown	130		Intentional (Directed) Mortality	Dam bypass, gateway, orifice, etc. (only if associated with fish handling)		N/A	N/A	3/1/2015	12/31/2015
5		Salmon, Chinook	Mid-Columbia River spring-run	Unlisted Hatchery	Juvenile	Unknown	500	5	Capture/Handle/Release Fish	Dam bypass, gateway, orifice, etc. (only if associated with fish handling)		N/A	N/A	3/1/2015	12/31/2015

Project Contacts

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Principal Investigator: Kenneth Lujan

Other Personnel:

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Laura Sprague	Co-Investigator
Matthew Stinson	Co-Investigator
Richard Wesley Stocking	Co-Investigator
David Thompson	Co-Investigator
Joe Warren	Co-Investigator
Wayne Wilson	Co-Investigator

Collector Comments: There is a possibility of hiring summer help for the 2015 sampling year.

Attachments

- Contact** - Craig Andrew Haskell: C12480T5Craig Haskell_Resume1.docx (Added Mar 15, 2011)
- Contact** - Craig Andrew Haskell: C12480T5Curriculum Vitae.doc (Added Nov 17, 2008)
- Contact** - Gregory Coffeen: C4608T5GregCoffeen_resume_jan08.pdf (Added Mar 4, 2011)
- Contact** - Gregory Coffeen: C4608T5GregCoffeen_resume_March11.pdf (Added Oct 29, 2012)
- Contact** - Jeff Johnson: C2223T5Johnson 2 page CV 2008.pdf (Added Oct 16, 2008)
- Contact** - Jerri Bartholomew: C14217T5CV-Bartholomew.doc (Added Mar 15, 2011)
- Contact** - Larry Caton: C1839T5Caton CV.doc (Added Dec 5, 2008)
- Contact** - Michael Mulvey: C93T5Mulvey_RESUME1short.pdf (Added May 23, 2012)
- Contact** - Philip C Simpson: C14888T5Philip_Christian_Simpson.doc (Added Sep 26, 2011)
- Contact** - Robert Hughes: C12246T5Hughes_RM.doc (Added Dec 21, 2009)
- Contact** - Robert Hughes: C12246T5resume.2009.doc (Added Jun 11, 2009)
- Contact** - Shannon Hubler: C13320T5Shannon Hubler_resume_Feb12.pdf (Added May 23, 2012)
- Federal Authorization** - P16678T2USFWS Subpermit TE 702631.pdf (Added Oct 9, 2014)
- Project Description** - P14747T1NWFHS Lab Manual _4.0 Edition_Sept 2006 (rcl 7-30-07).pdf (Added Oct 9, 2014)
- Project Description** - P18377T14Issued.pdf (Added Oct 9, 2014)
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Renewal Summary

Are you making any changes, other than dates, from the previous application? Yes

If Yes, please briefly summarize the changes you are making:

(NOTE: Collector Comment, Contact Information, Federal Information has changed. Comment added by Validation Process.)

Summary of Take Information by Location

Original Location: State/Territory: OR; Clackamas; Clackamas River (Upper Clackamas River)

Renewed Location: State/Territory: OR; Clackamas; Clackamas River (Upper Clackamas River)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Dace, Longnose	NA	Electrofishing, Backpack	Unknown	Natural	40	0	0	0	40	0
Dace, Speckled	NA	Electrofishing, Backpack	Unknown	Natural	40	0	0	0	40	0

Lamprey, Pacific	NA	Electrofishing, Backpack	Juvenile	Natural	10	1	0	0	10	1
Lamprey, Western brook	NA	Electrofishing, Backpack	Unknown	Natural	10	1	0	0	10	1
Pikeminnow, Northern	NA	Electrofishing, Backpack	Unknown	Natural	60	0	0	0	60	0
Salmon, Chinook	Upper Willamette River	Electrofishing, Backpack	Juvenile	Listed Hatchery Adipose Clip	10	1	0	0	10	1
Salmon, Chinook	Upper Willamette River	Electrofishing, Backpack	Juvenile	Natural	20	0	0	0	20	0
Salmon, coho	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	30	0	10	0	30	0
Sculpin (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	30	0	0	0	30	0
Shiner (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	40	0	0	0	40	0
Steelhead	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	40	0	0	0	40	0
Sucker (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	40	0	0	0	40	0
Trout, Brook	NA	Electrofishing, Backpack	Adult	Natural	60	0	0	0	60	0
Trout, Cutthroat	Coastal	Electrofishing, Backpack	Juvenile	Natural	40	0	5	0	40	0

Original Location: State/Territory: OR; Clackamas; Clear Creek (Clear Creek, a tributary of the Clackamas River)

Renewed Location: State/Territory: OR; Clackamas; Clear Creek (Clear Creek, a tributary of the Clackamas River)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Dace, Longnose	NA	Electrofishing, Backpack	Unknown	Natural	40	0			40	0
Dace, Speckled	NA	Electrofishing, Backpack	Unknown	Natural	40	0			40	0
Lamprey, Pacific	NA	Electrofishing, Backpack	Juvenile	Natural	10	1			10	1
Lamprey, Western brook	NA	Electrofishing, Backpack	Unknown	Natural	10	1			10	1
Pikeminnow, Northern	NA	Electrofishing, Backpack	Unknown	Natural	60	0			60	0

Salmon, Chinook	Upper Willamette River	Electrofishing, Backpack	Juvenile	Listed Hatchery Adipose Clip	10	1	10	1
Salmon, Chinook	Upper Willamette River	Electrofishing, Backpack	Juvenile	Natural	20	0	20	0
Salmon, coho	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	30	0	30	0
Sculpin (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	30	0	30	0
Shiner (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0
Steelhead	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	10	0	10	0
Sucker (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0
Trout, Cutthroat	Coastal	Electrofishing, Backpack	Juvenile	Natural	20	0	20	0

Original Location: State/Territory: OR; Clackamas; Deep Creek (Deep Creek, a tributary of the Clackamas River)

Renewed Location: State/Territory: OR; Clackamas; Deep Creek (Deep Creek, a tributary of the Clackamas River)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Dace, Longnose	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0		
Dace, Speckled	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0		
Lamprey, Pacific	NA	Electrofishing, Backpack	Juvenile	Natural	10	1	10	1		
Lamprey, Western brook	NA	Electrofishing, Backpack	Unknown	Natural	10	1	10	1		
Pikeminnow, Northern	NA	Electrofishing, Backpack	Unknown	Natural	60	0	60	0		
Salmon, Chinook	Upper Willamette River	Electrofishing, Backpack	Juvenile	Listed Hatchery Adipose Clip	10	1	10	1		
Salmon, Chinook	Upper Willamette River	Electrofishing, Backpack	Juvenile	Natural	20	0	20	0		
Salmon, coho	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	30	0	30	0		
Sculpin (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	30	0	30	0		

Shiner (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0
Steelhead	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	10	0	10	0
Sucker (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0
Trout, Cutthroat	Coastal	Electrofishing, Backpack	Juvenile	Natural	20	0	20	0

Original Location: State/Territory: OR; Clackamas; Eagle Creek; N45.3515_W122.3761 (Eagle Creek from the mouth up to the hatchery)

Renewed Location: State/Territory: OR; Clackamas; Eagle Creek; N45.3515_W122.3761 (Eagle Creek from the mouth up to the hatchery)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Dace, Longnose	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0		
Dace, Speckled	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0		
Lamprey, Pacific	NA	Electrofishing, Backpack	Juvenile	Natural	120	0	120	0		
Lamprey, Western brook	NA	Electrofishing, Backpack	Unknown	Natural	10	1	10	1		
Pikeminnow, Northern	NA	Electrofishing, Backpack	Unknown	Natural	60	0	60	0		
Salmon, Chinook	Upper Willamette River	Electrofishing, Backpack	Juvenile	Listed Hatchery Adipose Clip	10	1	10	1		
Salmon, Chinook	Upper Willamette River	Electrofishing, Backpack	Juvenile	Natural	20	0	20	0		
Salmon, coho	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	30	0	30	0		
Sculpin (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	30	0	30	0		
Shiner (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0		
Steelhead	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	10	0	10	0		
Sucker (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0		
Trout, Cutthroat	Coastal	Electrofishing, Backpack	Juvenile	Natural	60	0	60	0		

Original Location: State/Territory: OR; Clackamas; North Fork Eagle Creek (North Fork Eagle Creek and Bear Creek)

Renewed Location: State/Territory: OR; Clackamas; North Fork Eagle Creek (North Fork Eagle Creek and Bear Creek)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Dace, Longnose	NA	Electrofishing, Backpack	Unknown	Natural	40	0			40	0
Dace, Speckled	NA	Electrofishing, Backpack	Unknown	Natural	40	0			40	0
Lamprey, Pacific	NA	Electrofishing, Backpack	Juvenile	Natural	120	0			120	0
Lamprey, Western brook	NA	Electrofishing, Backpack	Unknown	Natural	10	1			10	1
Pikeminnow, Northern	NA	Electrofishing, Backpack	Unknown	Natural	60	0			60	0
Salmon, Chinook	Upper Willamette River	Electrofishing, Backpack	Juvenile	Listed Hatchery Adipose Clip	10	1			10	1
Salmon, Chinook	Upper Willamette River	Electrofishing, Backpack	Juvenile	Natural	20	0			20	0
Salmon, coho	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	30	0			30	0
Sculpin (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	30	0			30	0
Shiner (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	40	0			40	0
Steelhead	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	40	0			40	0
Sucker (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	40	0			40	0
Trout, Cutthroat	Coastal	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Trout, Rainbow	NA	Electrofishing, Backpack	Unknown	Unlisted Hatchery	120	0			120	0

Original Location: State/Territory: OR; Lower Columbia-Sandy; Cedar Creek (Upstream of the Sandy Hatchery.)

Renewed Location: State/Territory: OR; Lower Columbia-Sandy; Cedar Creek (Upstream of the Sandy Hatchery.)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Dace, Longnose	NA	Electrofishing, Backpack	Unknown	Natural	40	0			40	0

Dace, Speckled	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0
Lamprey, Pacific	NA	Electrofishing, Backpack	Juvenile	Natural	10	1	10	1
Lamprey, Western brook	NA	Electrofishing, Backpack	Unknown	Natural	10	1	10	1
Pikeminnow, Northern	NA	Electrofishing, Backpack	Unknown	Natural	60	0	60	0
Salmon, coho	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	20	0	20	0
Sculpin (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	30	0	30	0
Shiner (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0
Steelhead	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	60	0	60	0
Sucker (unknown)	NA	Electrofishing, Backpack	Unknown	Natural	40	0	40	0
Trout, Brook	NA	Electrofishing, Backpack	Juvenile	Natural	60	0	60	0
Trout, Cutthroat	Coastal	Electrofishing, Backpack	Juvenile	Natural	20	0	20	0

Original Location: State/Territory: OR; Lower Deschutes; Bakeoven Creek (Bakeoven Creek is a tributary of the Deschutes River)

Renewed Location: State/Territory: OR; Lower Deschutes; Bakeoven Creek (Bakeoven Creek is a tributary of the Deschutes River)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, coho	Unspecified	Net, Fyke	Juvenile	Natural	20	0	0	0	20	0
Steelhead	Middle Columbia River	Net, Fyke	Juvenile	Natural	20	0	8	0	20	0

Original Location: State/Territory: OR; Lower Deschutes; Buck Hollow Creek (Buck Hollow Creek is a tributary of the Deschutes River)

Renewed Location: State/Territory: OR; Lower Deschutes; Buck Hollow Creek (Buck Hollow Creek is a tributary of the Deschutes River)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, coho	Unspecified	Net, Fyke	Juvenile	Natural	20	0	2	0	20	0
Steelhead	Middle Columbia River	Net, Fyke	Juvenile	Natural	20	0	14	0	20	0

Original Location: State/Territory: OR; Lower Deschutes; Deschutes River (Deschutes River mainstem)

Renewed Location: State/Territory: OR; Lower Deschutes; Deschutes River (Deschutes River mainstem)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Steelhead	Middle Columbia River	Electrofishing, Backpack	Juvenile	Natural	120	0	0	0	120	0
Trout, Rainbow	NA	Hook and line/angler/rod and reel	Adult	Natural	60	0	0	0	60	0
Whitefish, Mountain	NA	Electrofishing, Backpack	Juvenile	Natural	120	0	0	0	120	0

Original Location: State/Territory: OR; Lower Deschutes; Shitike Creek; N44 45 44.40_ W121 13 41.42 (Confluence of Shitike Creek and Deschutes River upstream)

Renewed Location: State/Territory: OR; Lower Deschutes; Shitike Creek; N44 45 44.40_ W121 13 41.42 (Confluence of Shitike Creek and Deschutes River upstream)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Cottids	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Dace, Longnose	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Dace, Speckled	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Lamprey, Pacific	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Pikeminnow, Northern	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Salmon, Chinook	Unspecified	Trap, Screw	Juvenile	Natural	30	0			30	0
Shiner, Redside	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Steelhead	Middle Columbia River	Trap, Screw	Juvenile	Natural	30	0			30	0
Sucker, Largescale	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Whitefish, Mountain	NA	Trap, Screw	Juvenile	Natural	60	0			60	0

Original Location: State/Territory: OR; Lower Deschutes; Trout Creek (Trout Creek is a tributary of the Deschutes River)

Renewed Location: State/Territory: OR; Lower Deschutes; Trout Creek (Trout Creek is a tributary of the Deschutes River)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Steelhead	Middle Columbia River	Electrofishing, Backpack	Juvenile	Natural	30	0			30	0

Original Location: State/Territory: OR; Lower Deschutes; Warm Springs River; N44 51 32.11_ W121 04 0.16 (Confluence of the Warm Springs River and the Deschutes River upstream.)

Renewed Location: State/Territory: OR; Lower Deschutes; Warm Springs River; N44 51 32.11_ W121 04 0.16 (Confluence of the Warm Springs River and the Deschutes River upstream.)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Cottids	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Dace, Longnose	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Dace, Speckled	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Lamprey, Pacific	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Pikeminnow, Northern	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Salmon, Chinook	Unspecified	Trap, Screw	Juvenile	Natural	30	0			30	0
Shiner, Redside	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Steelhead	Middle Columbia River	Trap, Screw	Juvenile	Natural	30	0			30	0
Sucker, Largescale	NA	Trap, Screw	Juvenile	Natural	60	0			60	0
Whitefish, Mountain	NA	Trap, Screw	Juvenile	Natural	60	0			60	0

Original Location: State/Territory: OR; Lower Grande Ronde; Grande Ronde River and Tribs (Will send a completed list of sites.)

Renewed Location: State/Territory: OR; Lower Grande Ronde; Grande Ronde River and Tribs (Will send a completed list of sites.)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, Chinook	Snake River fall-run	Electrofishing, Backpack	Juvenile	Natural	10	0			10	0
Salmon, Chinook	Snake River spring/summer-run	Electrofishing, Backpack	Juvenile	Natural	10	0			10	0
Steelhead	Snake River Basin	Electrofishing, Backpack	Juvenile	Natural	30	0			30	0
Trout, Cutthroat	Unspecified	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0

Original Location: State/Territory: OR; Lower John Day; Columbia River (John Day Dam)

Renewed Location: State/Territory: OR; Lower John Day; Columbia River (John Day Dam)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Shad, American	NA	Hand and/or Dip Net	Adult	Natural	200	0			200	0

Original Location: State/Territory: OR; Middle Columbia-Hood; Columbia at Bonneville Dam (Bonneville Dam adult and juveniled facility)

Renewed Location: State/Territory: OR; Middle Columbia-Hood; Columbia at Bonneville Dam (Bonneville Dam adult and juveniled facility)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Lamprey, Pacific	NA	Dam bypass, gatewell, orifice, etc. (only if associated with fish handling)	Adult	Natural	20	0	0	0	20	0
Salmon, Chinook	Mid-Columbia River spring-run	Dam bypass, gatewell, orifice, etc. (only if associated with fish handling)	Juvenile	Unlisted Hatchery					630	5
Shad, American	NA	Dam bypass, gatewell, orifice, etc. (only if associated with fish handling)	Adult	Natural	200	0	50	0	200	0
Shad, American	NA	Dam bypass, gatewell, orifice, etc. (only if associated with fish handling)	Juvenile	Natural	200	0	60	0	200	0

Original Location: State/Territory: OR; Middle Columbia-Hood; Eagle Creek (Above Cascade Fish Hatchery)

Renewed Location: State/Territory: OR; Middle Columbia-Hood; Eagle Creek (Above Cascade Fish Hatchery)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, Chinook	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	30	0			30	0
Salmon, coho	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	30	0			30	0
Steelhead	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	30	0			30	0
Trout, Cutthroat	Unspecified	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0

Original Location: State/Territory: OR; Middle Columbia-Hood; East Fork Hood River (East Fork of the Hood River.)

Renewed Location: State/Territory: OR; Middle Columbia-Hood; East Fork Hood River (East Fork of the Hood River.)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, Chinook	Unspecified	Trap, Screw	Juvenile	Natural	20	0			20	0
Steelhead	Lower Columbia River	Trap, Screw	Juvenile	Natural	20	0			20	0

Original Location: State/Territory: OR; Middle Columbia-Hood; Fifteenmile Creek and tributaries (Fifteenmile Creek and tributaries)

Renewed Location: State/Territory: OR; Middle Columbia-Hood; Fifteenmile Creek and tributaries (Fifteenmile Creek and tributaries)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Steelhead	Middle Columbia River	Electrofishing, Backpack	Juvenile	Natural	20	0			20	0

Original Location: State/Territory: OR; Middle Columbia-Hood; Hood River (Mainstem Hood River)

Renewed Location: State/Territory: OR; Middle Columbia-Hood; Hood River (Mainstem Hood River)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, Chinook	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	10	0			10	0
Salmon, Chinook	Lower Columbia River	Trap, Screw	Juvenile	Natural	10	0			10	0
Salmon, Chinook	Unspecified	Electrofishing, Backpack	Juvenile	Natural	10	0			10	0
Salmon, Chinook	Unspecified	Trap, Screw	Juvenile	Natural	10	0			10	0
Steelhead	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	10	0			10	0
Steelhead	Lower Columbia River	Trap, Screw	Juvenile	Natural	10	0			10	0

Original Location: State/Territory: OR; Middle Columbia-Hood; Middle Fork Hood River (Middle Fork of the Hood River and it's tributaries.)

Renewed Location: State/Territory: OR; Middle Columbia-Hood; Middle Fork Hood River (Middle Fork of the Hood River and it's tributaries.)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, Chinook	Unspecified	Trap, Screw	Juvenile	Natural	20	0			20	0
Steelhead	Lower Columbia River	Trap, Screw	Juvenile	Natural	20	0			20	0

Original Location: State/Territory: OR; Middle Columbia-Hood; West Fork Hood River (Tributary to the mainstem of the Hood River. Upstream of the Moving Falls Hatchery location.)

Renewed Location: State/Territory: OR; Middle Columbia-Hood; West Fork Hood River (Tributary to the mainstem of the Hood River. Upstream of the Moving Falls Hatchery location.)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, Chinook	Unspecified	Electrofishing, Backpack	Juvenile	Natural	10	0	0	0	10	0
Salmon, Chinook	Unspecified	Trap, Screw	Juvenile	Natural	10	0	1	0	10	0
Steelhead	Lower Columbia River	Electrofishing, Backpack	Juvenile	Natural	10	0	0	0	10	0
Steelhead	Lower Columbia River	Trap, Screw	Juvenile	Natural	10	0	0	0	10	0

Original Location: State/Territory: OR; Umatilla; Umatilla River (Upper Umatilla River)

Renewed Location: State/Territory: OR; Umatilla; Umatilla River (Upper Umatilla River)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, Chinook	Unspecified	Trap, Screw	Juvenile	Natural	30	0			30	0
Steelhead	Middle Columbia River	Trap, Screw	Juvenile	Natural	30	0			30	0

Original Location: State/Territory: OR; Umpqua; Canyon Creek (Canyon Creek above the acclimation sites.)

Renewed Location: State/Territory: OR; Umpqua; Canyon Creek (Canyon Creek above the acclimation sites.)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, coho	Oregon Coast	Electrofishing, Backpack	Juvenile	Natural	40	0			40	0
Steelhead	Unspecified	Electrofishing, Backpack	Juvenile	Natural	40	0			40	0

Original Location: State/Territory: OR; Umpqua; Rock Creek (Upstream of Rock Creek Hatchery)

Renewed Location: State/Territory: OR; Umpqua; Rock Creek (Upstream of Rock Creek Hatchery)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, coho	Oregon Coast	Electrofishing, Backpack	Juvenile	Natural	40	0			40	0
Steelhead	Unspecified	Electrofishing, Backpack	Juvenile	Natural	40	0			40	0

Original Location: State/Territory: OR; Upper Grande Ronde River; Lookingglass Creek (Above Lookingglass Hatchery.)

Renewed Location: State/Territory: OR; Upper Grande Ronde River; Lookingglass Creek (Above Lookingglass Hatchery.)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, Chinook	Snake River spring/summer-run	Electrofishing, Backpack	Juvenile	Natural	40	0			40	0
Steelhead	Snake River Basin	Electrofishing, Backpack	Juvenile	Natural	40	0			40	0
Trout, Brook	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Trout, Cutthroat	Unspecified	Electrofishing, Backpack	Juvenile	Natural	120	0			120	0

Original Location: State/Territory: OR; Walla Walla; South Fork Walla Walla River (Upstream of the adult facility)

Renewed Location: State/Territory: OR; Walla Walla; South Fork Walla Walla River (Upstream of the adult facility)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, Chinook	Unspecified	Electrofishing, Backpack	Juvenile	Natural	40	0			40	0
Steelhead	Middle Columbia River	Electrofishing, Backpack	Juvenile	Natural	40	0			40	0

Original Location: State/Territory: OR; Wallowa River; Wallawa River (Above Wallowa Fish Hatchery (Deer Creek, Little Sheep Creek))

Renewed Location: State/Territory: OR; Wallowa River; Wallawa River (Above Wallowa Fish Hatchery (Deer Creek, Little Sheep Creek))

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Salmon, Chinook	Snake River spring/summer-run	Electrofishing, Backpack	Juvenile	Natural	40	0	10	0	40	0
Steelhead	Snake River Basin	Electrofishing, Backpack	Juvenile	Natural	40	0	30	0	40	0
Trout, Brook	NA	Electrofishing, Backpack	Juvenile	Natural	60	0	0	0	60	0
Trout, Cutthroat	Unspecified	Electrofishing, Backpack	Juvenile	Natural	120	0	0	0	120	0

Original Location: State/Territory: OR; Warner Lakes; Deep Creek (Deep Creek sub-basin.)

Renewed Location: State/Territory: OR; Warner Lakes; Deep Creek (Deep Creek sub-basin.)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Bass, Largemouth	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Bullhead, Brown	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Chub, Tui	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Crappie, White	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Dace, Speckled	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Sucker, Warner	Range-wide	Electrofishing, Backpack	Juvenile	Natural	40	0			40	0
Trout, Brook	NA	Electrofishing, Backpack	Juvenile	Natural	120	0			120	0

Original Location: State/Territory: OR; Warner Lakes; Honey Creek (Honey Creek sub-basin.)

Renewed Location: State/Territory: OR; Warner Lakes; Honey Creek (Honey Creek sub-basin.)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Bass, Largemouth	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Bullhead, Brown	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Chub, Tui	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Crappie, White	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Dace, Speckled	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Sucker, Warner	Range-wide	Electrofishing, Backpack	Juvenile	Natural	40	0			40	0
Trout, Brook	NA	Electrofishing, Backpack	Juvenile	Natural	120	0			120	0

Original Location: State/Territory: OR; Warner Lakes; Twentymiile Creek (Twentymile Creek sub-basin.)

Renewed Location: State/Territory: OR; Warner Lakes; Twentymiile Creek (Twentymile Creek sub-basin.)

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Bass, Largemouth	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Bullhead, Brown	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Chub, Tui	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Crappie, White	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Dace, Speckled	NA	Electrofishing, Backpack	Juvenile	Natural	60	0			60	0
Sucker, Warner	Range-wide	Electrofishing, Backpack	Juvenile	Natural	40	0			40	0
Trout, Brook	NA	Electrofishing, Backpack	Juvenile	Natural	120	0			120	0

Original Location: State/Territory: OR; Yamhill; Agency Creek; N45.0745_ W123.6218 (Mouth of Agency Creek working upriver.)

Renewed Location: UNKNOWN

Species	Population	Capture Method	Lifestage	Production or Origin	Previous Anticipated Take	Previous Indirect Mortality	Reported Actual Take	Reported Indirect Mortality	Current Anticipated Take	Current Indirect Mortality
Dace, Longnose	NA	Trap, Screw	Unknown	Natural	60	0				
Dace, Speckled	NA	Trap, Screw	Unknown	Natural	60	0				
Lamprey, Pacific	NA	Trap, Screw	Unknown	Natural	30	0				
Lamprey, Western brook	NA	Trap, Screw	Unknown	Natural	5	0				
Pikeminnow, Northern	NA	Trap, Screw	Unknown	Natural	60	0				
Salmon, coho	Unspecified	Trap, Screw	Juvenile	Natural	30	0				
Salmon, coho	Unspecified	Weir (only if associated with fish handling)	Spawned Adult/ Carcass	Natural	60	0				
Shiner (unknown)	NA	Trap, Screw	Unknown	Natural	60	0				
Steelhead	Upper Willamette River	Trap, Screw	Juvenile	Natural	30	0				
Sucker (unknown)	NA	Trap, Screw	Unknown	Natural	60	0				
Trout, Cutthroat	Oregon Coast	Trap, Screw	Juvenile	Natural	60	0				

Status

Application Status: Application Complete
Date Submitted: October 17, 2014
Date Completed: December 11, 2014
Last Date Archived: December 11, 2014

• 4d Rule coverage

Current Status: In Progress **Status Date:** December 11, 2014

Expire Date:

Analyst Information:

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• Oregon Scientific Taking Permit for Fish and Marine and Freshwater Invertebrates

Current Status: In Progress **Status Date:** December 11, 2014

Expire Date:

Modification Requests

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Reports

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