



August 16, 2018
Project No. 0785.02.02-02

Ms. Katie Robertson
Oregon Department of Environmental Quality
800 SE Emigrant Ave, Suite 330
Pendleton, Oregon 97801

Re: Review for Threatened and Endangered Species
UPRR Mosier Depot Property
Mosier, Oregon
DEQ Task Order 73-18-5
ECSI No. 6231

Dear Ms. Katie Robertson:

This letter summarizes our findings related to threatened and endangered (T&E) species within a two-mile radius of the Union Pacific Railroad (UPRR) Mosier Depot Property in Mosier, Oregon (the Property, Figure 1). The Endangered Species Act (ESA) of 1973 protects plant and animal species that are listed by the federal government as “endangered” or “threatened” and protects critical habitat necessary for the protection of these species (16 U.S. Code 1531-1543 and 50 CFR § 10, 13, 17, 222, 226, 402, 425, 450-453). The findings presented in this letter are in accordance with the ESA. Our activities included obtaining (T&E) species information from the Oregon Biodiversity Information Center (ORBIC) for an area within a two-mile radius of the Property (Attachment A). We also contacted the Yakama Nation, the Confederated Tribes of Warm Springs, the Confederated Tribes of the Umatilla Indian Reservation, the Nez Perce Tribe, the Oregon Department of Fish & Wildlife (ODFW), and the U. S. Fish and Wildlife Service (USFWS) to obtain any additional information about T&E species and habitat within a two-mile radius of the Property (Attachment B).

BACKGROUND

MFA plans to conduct a Site-Specific Assessment (SSA) at the former Union Pacific Railroad depot property along Old Highway 30 in Mosier, Oregon. The Property is an irregular shape and is bounded on the east by Mosier Creek, on the north by the Union Pacific tracks, the south by Old US Highway 30, and on the west by the Mosier Fruit Growers property.

SITE CONDITIONS

To determine if T&E species may be present at the Property we consulted ORBIC, the Yakama Nation, the Nez Perce Tribe, the Confederated Tribes of the Umatilla Indian Reservation, the Confederated Tribes of Warm Springs, and USFWS. A summary of our correspondence is presented below.

ORBIC Survey

The following represents a list of species identified by the ORBIC survey that could potentially be identified within a two-mile radius of the Property.

- Federal species listed as threatened:
 - Coho salmon (*Oncorhynchus kisutch*)
 - Steelhead (*Oncorhynchus mykiss*)
 - Chinook salmon (*Oncorhynchus tshawytscha*)
- Federal species of concern:
 - Western pond turtle (*Actinemys marmorata*)
 - Pallid bat (*Antrozous pallidus*)
 - Townsend's big-eared bat (*Corynorhinus townsendii*)
 - Pacific lamprey (*Entosphenus tridentatus*)
 - Suksdorf's lomatium (*Lomatium suksdorfii*)
 - White meconella (*Meconella oregona*)
 - Coastal cutthroat trout (*Oncorhynchus clarkii*)
 - Barrett's penstemon (*Penstemon barrettiae*)
- State species listed as endangered:
 - Coho salmon (*Oncorhynchus kisutch*)
- State species listed as critical:
 - Barrett's penstemon (*Penstemon barrettiae*)
 - Suksdorf's lomatium (*Lomatium suksdorfii*)
 - White meconella (*Meconella oregona*)
- State species listed as sensitive critical:
 - Western pond turtle (*Actinemys marmorata*)
 - Townsend's big-eared bat (*Corynorhinus townsendii*)

- Steelhead (*Oncorhynchus mykiss*)
- Chinook salmon (*Oncorhynchus tshawytscha*)
- State species listed as sensitive vulnerable:
 - Pallid bat (*Antrozous pallidus*)
 - Pacific lamprey (*Entosphenus tridentatus*)
 - Coastal cutthroat trout (*Oncorhynchus clarkii*)

Many of the species that were identified are aquatic. No aquatic habitat is present on the Property. Consequently, work supporting the SSA is not expected to affect these aquatic species.

Interview with the Yakama Nation

Correspondence with Dallas Reed, a Forest Development Fish Biologist with Yakama Nation Fisheries, identified that Pacific lamprey (*Entosphenus tridentatus*), mid-Columbia River steelhead (*Oncorhynchus mykiss*), white sturgeon (*Acipenser transmontanus*), chinook salmon (*Oncorhynchus tshawytscha*), and coho salmon (*Oncorhynchus kisutch*) were identified as species of concern to the Yakama Nation that could be present in the vicinity of the Property. He communicated that the Yakama Nation is most concerned with salmonids and other anadromous fish that would pass through the Columbia River adjacent to the Property.

Interview with the Nez Perce Tribe

In correspondence with David Johnson, Program Manager of the Nez Perce Tribe's Department of Fisheries Resources Management, Coho salmon (*Oncorhynchus kisutch*), white sturgeon (*Acipenser transmontanus*), and Pacific lamprey (*Entosphenus tridentatus*) were identified as species in the Columbia River (adjacent to the Property) that are of principal concern to the Nez Perce Tribe.

Interview with the Confederated Tribes of the Umatilla Indian Reservation

Multiple attempts were made to contact natural resource representatives of the Confederated Tribes of the Umatilla Indian Reservation. Specific attempts were made to contact Gary James, Director/Manager of Fisheries. At the time of this letter, no response had been received from the Confederated Tribes of the Umatilla Indian Reservation. If a response is received that lists species of interest to the Confederated Tribes of the Umatilla Indian Reservation, this letter will be amended.

Interview with the Confederated Tribes of Warm Springs

Multiple attempts were made by phone and email to contact natural resource representatives of the Confederated Tribes of Warm Springs. Brad Houslet, Fisheries Department Manager, was contacted via phone and email. At the time of this letter, no response had been received from the Confederated Tribes of Warm Springs. If a response is received that lists species of interest to the Confederated Tribes of Warm Springs, this letter will be amended.

Review of USFWS Endangered Species List

The USFWS Information for Planning and Consultation (IPaC) site was queried for an official list of threatened, endangered, proposed, and candidate species expected at the site, as well as designated critical habitat (Attachment B). Additionally, this effort identified that the Property is within the home range of the federally endangered northern spotted owl (*Strix occidentalis caurina*). However, the Property does not contain habitat to support the northern spotted owl. This query also identified that the Property does not contain any critical habitat area. A review of the USFWS Endangered Species List in the vicinity of the Property identified that federally threatened bull trout (*Salvelinus confluentus*) may be present in the Columbia River within two miles of the Property.

SUMMARY AND CONCLUSIONS

Five state and federal listed T&E species were identified within two miles of the Property. Four of these are aquatic species that would not be present directly on the Property but may be present adjacent to the Property in Mosier Creek or in the Columbia River. The fifth T&E species, the northern spotted owl (*Strix occidentalis caurina*), would not have any suitable habitat on or near the Property. Therefore, no state and federal listed T&E species are expected directly on the Property.

Eight additional species were identified as federal or state species of concern. One additional species, the white sturgeon (*Acipenser transmontanus*), was identified in interviews with both the Yakama Nation and the Nez Perce Tribe as a species that is of concern to these Tribes and that may be present within two miles of the Property. Of these nine species, four are aquatic species that would not be present directly on the Property but may be present adjacent to the Property in Mosier Creek or in the Columbia River. Of the five terrestrial species, the Suksdorf's lomatium (*Lomatium suksdorfii*) has only been identified as historically present in the vicinity of the Property. This leaves four sensitive terrestrial species that could be present in the immediate vicinity of the Property including the Pallid bat (*Antrozous pallidus*), Townsend's big-eared bat (*Corynorhinus townsendii*), White meconella (*Meconella oregona*), and Barrett's penstemon (*Penstemon barrettiae*). The site-specific assessment activities are not expected to affect any bats on or near the Property. The white meconella (*Meconella oregona*), and Barrett's penstemon (*Penstemon barrettiae*) are both plants. Field staff will be provided with

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information necessary to identify either of these plant species to mitigate any potential for impacts to sensitive species. Furthermore, the USFWS query identified that the Property does not contain any critical habitat area.

Sincerely,

Maul Foster & Alongi, Inc.



Blair Paulik, PhD
Project Toxicologist



Michael Pickering, RG
Senior Geologist

Attachments: Figure 1 - Property Location
Attachment A - ORBIC Species Letter
Attachment B - USFWS Species Letter

LIMITATIONS

The services undertaken in completing this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

FIGURE





Source: US Geological Survey (1994) 7.5-minute topographic quadrangle: White Salmon section 1, township 2 north, range 11 east.

Legend

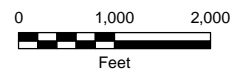
 Property Boundary

**Figure 1
Property Location**

City of Mosier
UPRR Mosier Depot Property
DEQ Task Order 73-18-5
Mosier, Oregon

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p. 971 544 2139 | www.maulfoster.com

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ATTACHMENT A

ORBIC SPECIES LETTER



OREGON BIODIVERSITY INFORMATION CENTER

Institute for Natural Resources



Mail Stop: INR

Post Office Box 751

Portland, Oregon 97207

503.725.9950

<http://inr.oregonstate.edu/orbic>

July 24, 2018

Blair Paulik
Maul Foster & Alongi, Inc.
2001 NW 19th Avenue, Suite 200
Portland, OR 97209

Dear Dr. Paulik:

Thank you for requesting information from the Oregon Biodiversity Information Center (ORBIC). We have conducted a data system search for rare, threatened and endangered plant and animal records for your Former UPR Depot Property Project in Mosier.

Thirty (30) element occurrence records were noted within a two-mile radius of your project and are included on the enclosed computer printout.

Please remember that a lack of rare element information from a given area does not necessarily indicate there are no significant elements present, only that there is no information known to us from the site. To ensure there are no significant elements present that may be affected by your project, you should inventory the site during the appropriate season.

This data is confidential and for the specific purposes of your project and is **not to be distributed**. Please also note that as our database is continually updated, the data in this report should be considered current for a maximum of one year from the date it was generated and should not be cited thereafter.

Please forward the included invoice to the appropriate party in your organization for payment.

If you need additional information or have any further questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Lindsey Wise".

Lindsey Wise
Biodiversity Data Manager
lindsey.wise@pdx.edu
503.725.9951

encl.: **invoice (H-072418-LKW2)**
computer printout and data key

Scientific Name: *Actinemys marmorata*

EO NUM: 187

Common Name: **Western pond turtle**

EO ID: 12446

Federal Status: SOC

GRANK: G3G4

NHP List: 2

Category: Vertebrate Animal

State Status: SC

SRANK: S2

HP Track: Y

ELCODE: ARAAD02030

Confirmed: First Obs: 1991 Last Obs: 1992 EO Rank: E - Verified extant (viability not assessed)

Directions: FROM TOWN OF MOSIER, GO SOUTH ON PIONEER ROAD TO OAK DRIVE ROAD, PONDS AND RIPARIAN CORRIDOR TO IMMEDIATE EAST.

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Wasco	EC	PRIVATE	170701051103 - Lower Mosier Creek 170701051105 - Rowena Creek-Columbia River
<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N012E - 05 - WM -	45121-F3	Lyle	
002N012E - 08 - WM -			
002N012E - 17 - WM -			

<u>Source Feature</u>	<u>Uncertainty Type (Distance)</u>	<u>[Use Class]</u>	<u>Annual Observations</u>
12446 - Point	Estimated (1500 m)	Not applicable	

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>

Occurrence Data

EO Type: BREEDING SITE Min. Elev.(m): 244

EO Data: REPORTED TO HAVE DIVERSITY OF SIZE AND AGE CLASSES, AND TO BE ONE OF THE BEST SITES IN COLUMBIA AND WILLAMETTE BASINS; DAN HOLLAND AND MARC HAYES BELIEVE WILL BE DESCRIBED AS A NEW SPECIES, AS SUPPORTED IN HOLLAND'S PhD.

EO Comments: SERIES OF 2-3 SMALL IMPOUNDMENTS ALONG RIPARIAN CORRIDOR, GENERALLY ADJACENT TO THE ROAD

Protection: SOME THREAT TO DEVELOPMENT, ROADS, AND LACK OF PROTECTION STRATEGY FOR AQUATIC CORRIDOR.

Management:

References: Holland 1992

Specimens:

General:

Scientific Name: *Allium nevii*

EO NUM: 2

Common Name: **Nevius' onion**

EO ID: 13985

Federal Status:

GRANK: G3G4

NHP List: 3

Category: Vascular Plant

State Status:

SRANK: S3?

HP Track: Y

ELCODE: PMLIL022T0

Confirmed: First Obs: 1983-07 Last Obs: 1983-07 EO Rank: H - Historical

Directions: W OF MEMALOOSE STATE PARK, ABOVE COLUMBIA RIVER.

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Wasco	EC		170701051101 - Major Creek 170701051103 - Lower Mosier Creek 170701051105 - Rowena Creek-Columbia River
<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
003N012E - 31 - WM -	45121-F3	Lyle	Memaloose State Natural Area
	45121-F4	White Salmon	

<u>Source Feature</u>	<u>Uncertainty Type (Distance)</u>	<u>[Use Class]</u>	<u>Annual Observations</u>
13985 - Point	Estimated (1500 m)		• 1983 - 1000'S

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>
13985	1983-07	1000'S PERSONAL COMMUNICATION WITH LOIS KEMP.

Occurrence Data

EO Type: Min. Elev.(m): 61

EO Data: 1000'S

EO Comments:

Protection:

Management:

References: Kemp 1993

Specimens:

General: PERSONAL COMMUNICATION WITH LOIS KEMP.

Scientific Name: *Allium nevii*

EO NUM: 4

Common Name: **Nevious' onion**

EO ID: 16166

Federal Status: GRANK: G3G4 NHP List: 3 Category: Vascular Plant

State Status: SRANK: S3? HP Track: Y ELCODE: PMLIL022T0

Confirmed: First Obs: 1923-05-13 Last Obs: 1923-05-13 EO Rank: H - Historical

Directions: MOSIER.

County Name	Ecoregion	Owner Name/Type	Watershed
Wasco	EC		170701051103 - Lower Mosier Creek 170701051104 - Rock Creek 170701051105 - Rowena Creek-Columbia River

Town/Range Sect Meridian TRS Note	QuadCode	QuadName	Managed Area Name
002N011E - 01 - WM -	45121-F3	Lyle	Memaloose State Natural Area
	45121-F4	White Salmon	

Source Feature	Uncertainty Type (Distance) [Use Class]	Annual Observations
16166 - Point	Estimated (4000 m)	• 1923 - PRESENT

SFeat ID	Date	Visit data
16166	1923-05-13	HERBARIUM COLLECTION. PRAIRIES AND SANDY GROUND. HERBARIUM COLLECTION.

Occurrence Data

EO Type: Min. Elev.(m): 137

EO Data: HERBARIUM COLLECTION.

EO Comments: PRAIRIES AND SANDY GROUND.

Protection:

Management:

References:

Specimens: GORMAN. #6133. 5-13-1923. ORE.

General: HERBARIUM COLLECTION.

Scientific Name: *Allium nevii*

EO NUM: 26

Common Name: **Nevious' onion**

EO ID: 29951

Federal Status: GRANK: G3G4 NHP List: 3 Category: Vascular Plant

State Status: SRANK: S3? HP Track: Y ELCODE: PMLIL022T0

Confirmed: First Obs: 2004-04-22 Last Obs: 2004-04-22 EO Rank: E - Verified extant (viability not assessed)

Directions: Between Mosier & Memaloose State Park. MP 71.2 to 71.33 on Hwy 84 (south side of highway). Park in gravel area on south side of hwy. near Mile Point 71.2 just past the railroad overcrossing. Walk south west along fence line approx. 1500 ft. ALDONE located in wet swale at top of hill.

County Name	Ecoregion	Owner Name/Type	Watershed
Wasco	EC	ODOT Private	170701051105 - Rowena Creek-Columbia River

Town/Range Sect Meridian TRS Note	QuadCode	QuadName	Managed Area Name
002N012E - 06 - WM -	45121-F4	White Salmon	
003N011E - 36 - WM -			
003N012E - 31 - WM -			

Source Feature	Uncertainty Type (Distance) [Use Class]	Annual Observations
50482 - Polygon	Estimated (25 m)	• 2004 - 500-1000

SFeat ID	Date	Visit data
50482	2004-04-22	500-1000 plants. Grassy slope with small wet swale. Topographic position upper slope, open light, moisture moist, slope 0-20%. ODOT sighting report, Melinda Trask reporter.

Occurrence Data

EO Type: Min. Elev.(m): 58

EO Data: 500-1000 plants.

EO Comments: Grassy slope with small wet swale. Topographic position upper slope, open light, moisture moist, slope 0-20%.

Protection:

Management:

References: Trask

Specimens:

General: ODOT sighting report, Melinda Trask reporter.

Scientific Name: ***Antrozous pallidus***

EO NUM: 66

Common Name: **Pallid bat**

EO ID: 26542

Federal Status: SOC

GRANK: G4

NHP List: 2

Category: Vertebrate Animal

State Status: SV

SRANK: S2

HP Track: Y

ELCODE: AMACC10010

Confirmed: First Obs: 1986-07-30 Last Obs: 2006

EO Rank: E - Verified extant (viability not assessed)

Directions: Memaloose State Park along Columbia River.

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>			
Wasco	EC	State	170701051105 - Rowena Creek-Columbia River			
<u>Town/Range</u>	<u>Sect</u>	<u>Meridian</u>	<u>TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N012E	- 04	- WM	-	45121-F3	Lyle	MEMALOOSE STATE PARK
002N012E	- 05	- WM	-			Memaloose State Natural Area
003N012E	- 00	- WM	-			
003N012E	- 32	- WM	-			
003N012E	- 33	- WM	-			

Source Feature Uncertainty Type (Distance) [Use Class]
 42825 - Polygon Negligible (8 m) Undetermined

Annual Observations

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>
42825	2006	6 bats observed.
42825	2003	18 bats captured.

Occurrence Data

EO Type:

Min. Elev.(m): 53

EO Data: 2006: 6 bats observed. 2003: 18 male bats captured at park tunnel. 1986: 1 male collected.

EO Comments: Associated w/Eptesicus fuscus, Myotis californicus, M. lucifugus, M. volans and M. yumanensis.

Protection:

Management:

References: Oregon Department of Fish and Wildlife 2014; Ormsbee

Specimens:

General:

Scientific Name: ***Astragalus hoodianus***

EO NUM: 12

Common Name: **Hood River milk-vetch**

EO ID: 2710

Federal Status:

GRANK: G4

NHP List: 2

Category: Vascular Plant

State Status:

SRANK: S3

HP Track: Y

ELCODE: PDFAB0F410

Confirmed: First Obs: 1891-04-26 Last Obs: 19--

EO Rank: E - Verified extant (viability not assessed)

Directions: WEST OF MOSIER

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>			
Wasco	EC		170701051104 - Rock Creek			
<u>Town/Range</u>	<u>Sect</u>	<u>Meridian</u>	<u>TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N011E	- 02	- WM	-	45121-F4	White Salmon	COLUMBIA GORGE NATIONAL SCENIC AREA (PRIVATE LAND)

Source Feature Uncertainty Type (Distance) [Use Class]
 2710 - Polygon Delimited (8 m)

Annual Observations

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>

Occurrence Data

EO Type:

Min. Elev.(m): 122

EO Data: 2013: NPSO surveyed areas adjacent to population (see map), plants were not found but original site not re-surveyed

EO Comments:

Protection:

Management:

References: Jolley

Specimens: GORMAN. 04-26-1891. WS.

General: 2013 (5-3) sighting report (negative for adjacent areas), Jason Clinch, NPSO Rare Plant Citizen's Watch1987 MAP, JOLLEY, RUSS

Scientific Name: ***Corynorhinus townsendii***

EO NUM: 16

Common Name: **Townsend's big-eared bat**

EO ID: 3572

Federal Status: SOC

GRANK: G4

NHP List: 2

Category: Vertebrate Animal

State Status: SC

SRANK: S2

HP Track: Y

ELCODE: AMACC08010

Confirmed: First Obs: 1974-09-07 Last Obs: 1974-09-07 EO Rank: H - Historical

Directions: Sensitive Data - contact ORBIC for more information

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Wasco	EC	STATE	170701051105 - Rowena Creek-Columbia River
<u>Town/Range Sect Meridian TRS Note</u>	<u>Managed Area Name</u>		
002N012E - 04 - WM -	MEMALOOSE STATE PARK		
002N012E - 05 - WM -	COLUMBIA GORGE NATIONAL SCENIC AREA (PRIVATE LAND)		
003N012E - 00 - WM -	Memaloose State Natural Area		
003N012E - 31 - WM -			
003N012E - 32 - WM -			
003N012E - 33 - WM -			

<u>Source Feature</u>	<u>Uncertainty Type (Distance)</u>	<u>[Use Class]</u>	<u>Annual Observations</u>
42431 - Polygon	Negligible (8 m)	Undetermined	

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>
42431	1974-09-07	Sensitive Data - contact ORBIC for more information

Occurrence Data

EO Type: Min. Elev.(m): 76

EO Data: Sensitive Data - contact ORBIC for more information

EO Comments:

Protection:

Management:

References: Maser 1981

Specimens:

General: SPECIMEN HOUSED AT UPS MUSEUM OF NATURAL HISTORY IN TACOMA. PSMNH #21808, ONE FEMALE, 11 GRAMS.

Scientific Name: ***Entosphenus tridentatus***

EO NUM: 17

Common Name: **Pacific lamprey**

EO ID: 38372

Federal Status: SOC

GRANK: G4

NHP List: 2

Category: Vertebrate Animal

State Status: SV

SRANK: S1S2

HP Track: Y

ELCODE: AFBAA02100

Confirmed: First Obs: 2011 Last Obs: 2011 EO Rank: E - Verified extant (viability not assessed)

Directions: Columbia River

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Hood River	CB		170701050103 - Hells Gate Canyon-Columbia River
Multnomah	EC		170701050201 - Upper Eightmile Creek
Sherman	WC		170701050202 - Middle Eightmile Creek
Wasco			170701050203 - Fivemile Creek
			170701050204 - Lower Eightmile Creek
			170701050301 - Headwaters Fifteenmile Creek
			170701050302 - Upper Fifteenmile Creek
			170701050304 - Lower Dry Creek
			170701050305 - Middle Fifteenmile Creek
			170701050306 - Lower Fifteenmile Creek
			170701050401 - Threemile Creek-Columbia River
			170701050404 - Mill Creek
			170701050406 - Murdock-Columbia River
			170701051105 - Rowena Creek-Columbia River
			170701051106 - Grays Creek-Columbia River
			170701051204 - Carson Creek-Columbia River
			170800010801 - Tanner Creek-Columbia River

<u>Town/Range</u>	<u>Sect</u>	<u>Meridian</u>	<u>TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
001N012E	- 13	- WM	-	45120-E8	Emerson	Badger Creek Wilderness Area
001N013E	- 02	- WM	-	45120-F6	Rufus	
001N013E	- 03	- WM	-	45120-F7	Biggs Junction	
001N013E	- 04	- WM	-	45120-F8	Wishram	
001N013E	- 05	- WM	-	45121-C4	Flag Point	
001N013E	- 07	- WM	-	45121-C5	Badger Lake	
001N013E	- 08	- WM	-	45121-D1	Dufur East	
001N013E	- 18	- WM	-	45121-D2	Dufur West	
001N013E	- 25	- WM	-	45121-D3	Wolf Run	
001N013E	- 33	- WM	-	45121-D4	Fivemile Butte	
001N013E	- 34	- WM	-	45121-E1	Petersburg	
001N013E	- 35	- WM	-	45121-E2	The Dalles South	
001N013E	- 36	- WM	-	45121-E3	Brown Creek	
001N013E	- 36	- WM	-	45121-F1	Stacker Butte	
001N014E	- 04	- WM	-	45121-F2	The Dalles North	
001N014E	- 05	- WM	-	45121-F3	Lyle	
001N014E	- 08	- WM	-	45121-F4	White Salmon	
001N014E	- 09	- WM	-	45121-F5	Hood River	
001N014E	- 10	- WM	-	45121-F6	Mount Defiance	
001N014E	- 15	- WM	-	45121-F7	Carson	
001N014E	- 17	- WM	-	45121-F8	Bonneville Dam	
001N014E	- 19	- WM	-			
001N014E	- 20	- WM	-			
001N014E	- 21	- WM	-			
001N014E	- 22	- WM	-			
001N014E	- 28	- WM	-			
001N014E	- 29	- WM	-			
001N014E	- 30	- WM	-			
001N014E	- 31	- WM	-			
001N014E	- 32	- WM	-			
001N014E	- 35	- WM	-			
001N014E	- 36	- WM	-			
001N015E	- 04	- WM	-			
001N015E	- 08	- WM	-			
001N015E	- 09	- WM	-			
001N015E	- 16	- WM	-			
001N015E	- 17	- WM	-			
001N015E	- 20	- WM	-			
001N015E	- 21	- WM	-			
001N015E	- 29	- WM	-			
001N015E	- 30	- WM	-			
001N015E	- 31	- WM	-			
001S011E	- 36	- WM	-			
001S012E	- 01	- WM	-			
001S012E	- 10	- WM	-			
001S012E	- 11	- WM	-			
001S012E	- 12	- WM	-			
001S012E	- 15	- WM	-			
001S012E	- 16	- WM	-			
001S012E	- 17	- WM	-			
001S012E	- 19	- WM	-			
001S012E	- 20	- WM	-			
001S012E	- 24	- WM	-			
001S012E	- 25	- WM	-			
001S012E	- 26	- WM	-			
001S012E	- 27	- WM	-			
001S012E	- 28	- WM	-			
001S012E	- 31	- WM	-			
001S012E	- 32	- WM	-			
001S012E	- 33	- WM	-			
001S013E	- 01	- WM	-			

001S013E - 04 - WM -
001S013E - 05 - WM -
001S013E - 06 - WM -
001S013E - 10 - WM -
001S013E - 11 - WM -
001S013E - 12 - WM -
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001S013E - 16 - WM -
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001S013E - 34 - WM -
001S013E - 35 - WM -
001S014E - 02 - WM -
001S014E - 03 - WM -
001S014E - 06 - WM -
001S014E - 09 - WM -
001S014E - 10 - WM -
001S014E - 16 - WM -
001S014E - 17 - WM -
001S014E - 19 - WM -
001S014E - 20 - WM -
001S014E - 30 - WM -
002N007E - 01 - WM -
002N007E - 12 - WM -
002N007E - 13 - WM -
002N007E - 14 - WM -
002N007E - 21 - WM -
002N007E - 22 - WM -
002N008E - 06 - WM -
002N011E - 01 - WM -
002N011E - 02 - WM -
002N012E - 02 - WM -
002N012E - 03 - WM -
002N013E - 08 - WM -
002N013E - 21 - WM -
002N013E - 28 - WM -
002N013E - 33 - WM -
002N013E - 34 - WM -
002N013E - 36 - WM -
002N014E - 15 - WM -
002N014E - 20 - WM -
002N014E - 21 - WM -
002N014E - 25 - WM -
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002N014E - 31 - WM -
002N014E - 32 - WM -
002N014E - 33 - WM -
002N015E - 13 - WM -
002N015E - 15 - WM -
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002N015E - 17 - WM -
002N015E - 19 - WM -
002N015E - 22 - WM -
002N015E - 23 - WM -
002N015E - 30 - WM -
002N015E - 31 - WM -
002N015E - 32 - WM -
002N015E - 33 - WM -
002N016E - 01 - WM -
002N016E - 02 - WM -
002N016E - 03 - WM -
002N016E - 07 - WM -
002N016E - 08 - WM -
002N016E - 09 - WM -
002N016E - 18 - WM -
002S010E - 12 - WM -
002S010E - 13 - WM -
002S010E - 24 - WM -
002S010E - 25 - WM -
002S010E - 35 - WM -
002S010E - 36 - WM -
002S011E - 01 - WM -
002S011E - 02 - WM -
002S011E - 03 - WM -
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002S011E - 07 - WM -
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002S011E - 09 - WM -
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002S011E - 24 - WM -
002S011E - 28 - WM -
002S011E - 29 - WM -
002S011E - 31 - WM -
002S011E - 32 - WM -
002S012E - 01 - WM -
002S012E - 02 - WM -
002S012E - 03 - WM -
002S012E - 07 - WM -
002S012E - 08 - WM -
002S012E - 09 - WM -
002S012E - 10 - WM -
002S012E - 11 - WM -
002S012E - 12 - WM -
002S012E - 14 - WM -
002S012E - 15 - WM -
002S012E - 16 - WM -
002S012E - 19 - WM -
002S012E - 20 - WM -
002S012E - 21 - WM -
002S013E - 06 - WM -
003N008E - 32 - WM -
003N008E - 33 - WM -

003N008E - 35 - WM -
 003N008E - 36 - WM -
 003N009E - 29 - WM -
 003N009E - 31 - WM -
 003N009E - 32 - WM -
 003N009E - 34 - WM -
 003N009E - 35 - WM -
 003N009E - 36 - WM -
 003N010E - 25 - WM -
 003N010E - 27 - WM -
 003N010E - 28 - WM -
 003N011E - 30 - WM -
 003N011E - 32 - WM -
 003N011E - 33 - WM -
 003N011E - 36 - WM -
 003N012E - 31 - WM -
 003N012E - 32 - WM -
 003N012E - 33 - WM -
 003N012E - 34 - WM -
 003N016E - 36 - WM -
 003N017E - 31 - WM -

<u>Source Feature</u>	<u>Uncertainty Type (Distance) [Use Class]</u>	<u>Annual Observations</u>
63130 - Line	Negligible (8 m)	Undetermined
63692 - Line	Negligible (8 m)	Freshwater
63201 - Line	Negligible (8 m)	Undetermined
63691 - Line	Negligible (8 m)	Freshwater
62983 - Line	Negligible (8 m)	Undetermined
62982 - Line	Negligible (8 m)	Undetermined
62981 - Line	Negligible (8 m)	Undetermined
62980 - Line	Negligible (8 m)	Undetermined

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>
63130	2011	Use type: Unknown. Documented fish observation. Agency data steward: John Hamilton.
63692	2011	Use type: Spawning. Documented fish observation. Agency data steward: Stewart Reid.
63691	2011	Use type: Spawning. Documented fish observation. Agency data steward: Stewart Reid.
62981	2011	Use type: Spawning. Documented fish observation. Agency data steward: Stewart Reid.
63201	2011	Use type: Unknown. Documented fish observation. Agency data steward: John Hamilton.
62983	2011	Use type: Unknown. Documented fish observation. Agency data steward: DePinto, Rossel, and Asbridge .
62982	2011	Use type: Unknown. Documented fish observation. Agency data steward: DePinto, Rossel, and Asbridge .
62980	2011	Use type: Unknown. Documented fish observation. Agency data steward: DePinto, Rossel, and Asbridge .

Occurrence Data

EO Type:

Min. Elev.(m):

EO Data: 2011: Use type: Unknown. Documented fish observation. Agency data steward: DePinto, Rossel, and Asbridge .

EO Comments:

Protection:

Management:

References: ODFW 2012

Specimens:

General: From the 2012 edition of the ODFW Oregon Fish Habitat Distribution - Pacific Lamprey geodatabase; these data are based on sampling and describe areas of suitable habitat currently and historically used by Pacific lamprey populations.

Scientific Name: ***Lomatium suksdorfii***

EO NUM: 1

Common Name: **Suksdorf's lomatium**

EO ID: 16021

Federal Status: SOC

GRANK: G3

NHP List: 1

Category: Vascular Plant

State Status: C

SRANK: S2

HP Track: Y

ELCODE: PDAP11B1W0

Confirmed: First Obs: 1976 Last Obs: 1976- EO Rank: H - Historical

Directions: 7 MILE HILL, ABOUT 10 MILES W OF THE DALLES

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>			
Wasco	EC		170701050405 - Chenoweth Creek 170701050406 - Murdock-Columbia River 170701051103 - Lower Mosier Creek 170701051105 - Rowena Creek-Columbia River			
<u>Town/Range</u>	<u>Sect</u>	<u>Meridian</u>	<u>TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N012E	- 02	- WM	-	45121-E3	Brown Creek	COLUMBIA GORGE NATIONAL SCENIC AREA (PRIVATE LAND)
002N012E	- 03	- WM	-	45121-F3	Lyle	Tom McCall at Rowena Preserve
002N012E	- 04	- WM	-			Rowena Plateau State Natural Area
002N012E	- 05	- WM	-			
002N012E	- 07	- WM	-			
002N012E	- 08	- WM	-			
002N012E	- 09	- WM	-			
002N012E	- 10	- WM	-			
002N012E	- 11	- WM	-			
002N012E	- 12	- WM	-			
002N012E	- 13	- WM	-			
002N012E	- 14	- WM	-			
002N012E	- 15	- WM	-			
002N012E	- 16	- WM	-			
002N012E	- 17	- WM	-			
002N012E	- 18	- WM	-			
002N012E	- 19	- WM	-			
002N012E	- 20	- WM	-			
002N012E	- 21	- WM	-			
002N012E	- 22	- WM	-			
002N012E	- 23	- WM	-			
002N012E	- 24	- WM	-			
002N012E	- 25	- WM	-			
002N012E	- 26	- WM	-			
002N012E	- 27	- WM	-			
002N012E	- 28	- WM	-			
002N012E	- 29	- WM	-			

<u>Source Feature</u>	<u>Uncertainty Type (Distance) [Use Class]</u>	<u>Annual Observations</u>
16021 - Point	Estimated (4000 m)	
<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>

Occurrence Data
 EO Type: Min. Elev.(m):-339
 EO Data: FRENCH 1976 SIGHTING
 EO Comments:
 Protection:
 Management:
 References: French
 Specimens: French, D. (5051). 6-25-1971. OSC-141918, OSC-202159, OSC-197298
 Sauter, K. (s.n.). 6-3-1971. OSC-135857
 French (D. (5049). 6-25-1971. OSC-202153
 General: FROM 1978 SPECIES REPORT BY SIDDALL ET AL

Scientific Name: ***Lomatium suksdorfii*** EO NUM: 3
 Common Name: **Suksdorf's lomatium** EO ID: 19626
 Federal Status: SOC GRANK: G3 NHP List: 1 Category: Vascular Plant
 State Status: C SRANK: S2 HP Track: Y ELCODE: PDAP11B1W0
 Confirmed: Y First Obs: 1977 Last Obs: 1977-05 EO Rank: H - Historical
 Directions: HOOD RIVER MOUNTAIN

County Name	Ecoregion	Owner Name/Type	Watershed
Hood River	EC		170701050701 - Neal Creek
Wasco			170701050703 - Indian Creek-Hood River
			170701051103 - Lower Mosier Creek
			170701051104 - Rock Creek
			170701051105 - Rowena Creek-Columbia River

Town/Range	Sect	Meridian	TRS Note	QuadCode	QuadName	Managed Area Name
002N010E	- 01	- WM	-	45121-E4	Ketchum Reservoir	COLUMBIA GORGE NATIONAL SCENIC AREA (PRIVATE LAND)
002N010E	- 12	- WM	-	45121-F4	White Salmon	Columbia Oaks State Natural Area
002N010E	- 13	- WM	-	45121-F5	Hood River	
002N010E	- 24	- WM	-			
002N010E	- 25	- WM	-			
002N011E	- 03	- WM	-			
002N011E	- 04	- WM	-			
002N011E	- 05	- WM	-			
002N011E	- 06	- WM	-			
002N011E	- 07	- WM	-			
002N011E	- 08	- WM	-			
002N011E	- 09	- WM	-			
002N011E	- 10	- WM	-			
002N011E	- 15	- WM	-			
002N011E	- 16	- WM	-			
002N011E	- 17	- WM	-			
002N011E	- 18	- WM	-			
002N011E	- 19	- WM	-			
002N011E	- 20	- WM	-			
002N011E	- 21	- WM	-			
002N011E	- 22	- WM	-			
002N011E	- 27	- WM	-			
002N011E	- 28	- WM	-			
002N011E	- 29	- WM	-			
002N011E	- 30	- WM	-			
003N011E	- 31	- WM	-			
003N011E	- 32	- WM	-			
003N011E	- 33	- WM	-			

Source Feature	Uncertainty Type (Distance) [Use Class]	Annual Observations
19626 - Point	Estimated (4000 m)	

SFeat ID Date Visit data

Occurrence Data

EO Type:

Min. Elev.(m):-339

EO Data: SIDDALL 5-1977 SIGHTING

EO Comments:

Protection:

Management:

References: Siddall 1997

Specimens:

General: FROM 1978 SPECIES REPORT, SIDDALL ET AL

Scientific Name: ***Meconella oregana***

EO NUM: 6

Common Name: **White meconella**

EO ID: 10714

Federal Status: SOC

GRANK: G2G3

NHP List: 1

Category: Vascular Plant

State Status: C

SRANK: S1

HP Track: Y

ELCODE: PDPAP0G030

Confirmed: First Obs: 1978 Last Obs: 2015-04-03 EO Rank: B - Good estimated viability

Directions: WEST OF MOSIER, JUST WEST OF RR TUNNEL

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Hood River Wasco	EC	STATE	170701051105 - Rowena Creek-Columbia River
<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N011E - 03 - WM -	45121-F4	White Salmon	Columbia Oaks State Natural Area
002N011E - 04 - WM -			KOBERG BEACH STATE RECREATION SITE
003N011E - 33 - WM -			
<u>Source Feature</u>	<u>Uncertainty Type (Distance) [Use Class]</u>	<u>Annual Observations</u>	
10714 - Point	Estimated (50 m)		
77579 - Polygon	Estimated (25 m)		
77580 - Polygon	Estimated (25 m)		
<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>	
77579	2015-04-03	100-200 estimated, scattered-patchy 100% vegetative. Found along game trails or areas along cliff tops where vegetation allows bare patches of dirt. Much of the grassy bench is covered with thick mats of moss, which seem to not allow growth of MEOR. Note that at least 30 Barrett's penstemons are located on this broad bench, or on north-facing cliffs to the south that can't be seen from other vantage points. EROR2 and HEGRT are found on north-facing cliffs at the south edge of this bench too. Associated species: Draba verna, Myosotis micrantha, Quercus oregano [sic- ?Quercus garryana?], Crocidium multicaule, Montia linearis, Collinsia parviflora. Note: We've been monitoring this for years and are familiar with MEOR's characteristics and those of its lookalikes.[from sighting form]	
77580	2014	[No information, points appeared on map submitted with 2015 sighting report]	
<u>Occurrence Data</u>			
EO Type:		Min. Elev.(m): 30	
EO Data: 2015 (4-3): 100-200 estimated, scattered-patchy 100% vegetative. Note: We've been monitoring this for years and are familiar with MEOR's characteristics and those of its lookalikes. 1986: PRESENCE OF PLANT CONFIRMED ON R. JOLLEY MAP (NO OTHER INFORMATION GIVEN).			
EO Comments: 2015: Found along game trails or areas along cliff tops where vegetation allows bare patches of dirt. Much of the grassy bench is covered with thick mats of moss, which seem to not allow growth of MEOR. EROR2 and HEGRT are found on north-facing cliffs at the south edge of this bench too. Associated species: Draba verna, Myosotis micrantha, Quercus oregano [sic- ?Quercus garryana?], Crocidium multicaule, Montia linearis, Collinsia parviflora.			
Protection: No observed threats. This area does not appear to get many yearly visits by humans at all, and only occasional visits by large mammals.			
Management:			
References: Jolley ; Slichter			
Specimens:			
General: 2015 (4-3) sighting report, Paul Slichter, part of the NPSO Rare Plant Citizen's Watch. 1986 PERSONAL COMMUNICATION & MAP FROM RUSS JOLLEY.			

Scientific Name: ***Meconella oregana***

EO NUM: 7

Common Name: **White meconella**

EO ID: 20902

Federal Status: SOC

GRANK: G2G3

NHP List: 1

Category: Vascular Plant

State Status: C

SRANK: S1

HP Track: Y

ELCODE: PDPAP0G030

Confirmed: First Obs: 1986 Last Obs: 2007-03-27 EO Rank: A - Excellent estimated viability

Directions: Three discrete subpopulations in area of Memaloose Overlook, SW of Chatfield. Also included here is the herbarium collection of Chambers and Jolley, "Columbia River Gorge, on old Scenic Highway east of Mosier, at Memaloose Overlook; bluff above the river at Chatfield; on trail ca. 100 yds. s of the road, T2n R12e Sec 5". In 2004, plants found on south side of I-84, between MP 71.95 and 72.4.

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Wasco	EC	Oregon State Parks and R	170701051105 - Rowena Creek-Columbia River
<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N012E - 06 - WM -	45121-F3	Lyle	MEMALOOSE STATE PARK
003N012E - 31 - WM -			Oregon Dept. of Transportation
003N012E - 32 - WM -			Memaloose State Natural Area
<u>Source Feature</u>	<u>Uncertainty Type (Distance) [Use Class]</u>	<u>Annual Observations</u>	
20902 - Polygon	Delimited (8 m)	• 2004 - 1000	
26762 - Polygon	Delimited (8 m)		
26763 - Polygon	Delimited (8 m)		
46066 - Polygon	Delimited (8 m)		

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>
46066	2004-04-01	About 1000 plants on upper portion of moderate slope (20-45 deg). Associated with <i>Sisyrinchium</i> sp., <i>Saxifraga oregana</i> , <i>Lomatium macrocarpa</i> , <i>Delphinium</i> sp. Elev. 200 to 480 ft.

Occurrence Data

EO Type: Min. Elev.(m): 61

EO Data: 2007 (3-27): photo taken. 2004 (4-1): About 1000 plants. 1986: PRESENCE CONFIRMED ON R. JOLLEY MAP (NO OTHER INFORMATION GIVEN).

EO Comments: 2004: upper portion of moderate slope (20-45 deg). Associated with *Sisyrinchium* sp., *Saxifraga oregana*, *Lomatium macrocarpa*, *Delphinium* sp. Elev. 200 to 480 ft. 1994: oak woodland, forming colonies in gopher-disturbed soil and as scattered plants in grassy turf.

Protection:

Management:

References: Jolley ; Trask ; Chambers

Specimens: Chambers, K.L and Russ Jolley (5784). 5-18-1994. OSC-178527

General: Oregon Flora Atlas data base, January 2016 data set: collector/observer and date: G.D. Carr, 3-27-2007 (photo only). 2004 (4-1) ODOT sighting report, Melinda Trask reporter. 1994 herbarium collection. 1986 PERSONAL COMMUNICATION & MAP FROM RUSS JOLLEY.

Scientific Name: ***Meconella oregana*** EO NUM: 18
 Common Name: **White meconella** EO ID: 32829

Federal Status: SOC	GRANK: G2G3	NHP List: 1	Category: Vascular Plant
State Status: C	SRANK: S1	HP Track: Y	ELCODE: PDPAP0G030

Confirmed: First Obs: 2010-03-29 Last Obs: 2013-03-29 EO Rank: E - Verified extant (viability not assessed)

Directions: Go E of Mosier, Oregon, on Hwy. 30. Take sharp R onto communications tower south access road. Walk west to canyon rim. Population starts above lowest fence line to vicinity of down ponderosa pine. 2013: Go east from Mosier, Oregon on Hwy 30 then south to the high viewpoint east of the water tower MEOR is along the cliff rim that faces west to the water tower and town of Mosier and north to SR 30.

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Wasco	EC	Friends of the Gorge	170701051105 - Rowena Creek-Columbia River
<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N011E - 01 - WM -	45121-F4	White Salmon	COLUMBIA GORGE NATIONAL SCENIC AREA (PRIVATE LAND)

<u>Source Feature</u>	<u>Uncertainty Type (Distance)</u>	<u>Use Class</u>	<u>Annual Observations</u>
57012 - Polygon	Estimated (25 m)		• 2010 - 100+

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>
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Occurrence Data

EO Type: Min. Elev.(m): 122

EO Data: 2013 (3-29): 23,602 guesstimate in 1391 sq. yds.; plants just coming into bloom and because of small size hard to tell % in bloom just the actual ones in bloom are evident. 2010 (4-8, 3-29): Several 100 plants, in flower, in 75' x 225' area.

EO Comments: 2010: Position upper slope, light open, soil vernal & damp, aspect North, slope 20-45%, soil thin lithosol (plateau above canyon rim). *Balsamorhiza* sp., cryptogram layer, open, scattered ponderosa pine.

Protection: Threat: recreation. Land managers are aware and designing trail to focus use away from site.

Management:

References: Thie

Specimens:

General: 2013 (3-29) and 2010 (4-8, 3-29) sighting report, Krista Thie reporter.

Scientific Name: ***Oncorhynchus clarkii pop. 2*** EO NUM: 9
 Common Name: **Coastal cutthroat trout (Southwestern Washington/Columbia River ESU)** EO ID: 18916

Federal Status: SOC	GRANK: G4T3Q	NHP List: 1	Category: Vertebrate Animal
State Status: SV	SRANK: S2	HP Track: Y	ELCODE: AFCHA0208F

Confirmed: First Obs: 2001-PRE Last Obs: 2001-PRE EO Rank: E - Verified extant (viability not assessed)

Directions: MOSIER CREEK & TRIBUTARIES

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Hood River	EC		170701051102 - Upper Mosier Creek
Wasco			170701051103 - Lower Mosier Creek

<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
001N011E - 01 - WM -	45121-E3	Brown Creek	
001N011E - 03 - WM -	45121-E4	Ketchum Reservoir	
001N011E - 10 - WM -	45121-F3	Lyle	
001N011E - 12 - WM -	45121-F4	White Salmon	
001N011E - 13 - WM -			
001N011E - 14 - WM -			
001N011E - 15 - WM -			
001N011E - 22 - WM -			
001N011E - 23 - WM -			
001N011E - 26 - WM -			
001N011E - 27 - WM -			
001N011E - 28 - WM -			
001N011E - 32 - WM -			
001N011E - 33 - WM -			
001N011E - 34 - WM -			
001N011E - 35 - WM -			
001N012E - 06 - WM -			
001N012E - 07 - WM -			
002N011E - 01 - WM -			
002N011E - 12 - WM -			
002N011E - 13 - WM -			
002N011E - 23 - WM -			
002N011E - 24 - WM -			
002N011E - 26 - WM -			
002N011E - 27 - WM -			
002N011E - 34 - WM -			
002N012E - 18 - WM -			
002N012E - 19 - WM -			
002N012E - 30 - WM -			
002N012E - 31 - WM -			

Source Feature Uncertainty Type (Distance) [Use Class] Annual Observations
 Data currently not available.

SFeat ID Date Visit data

Occurrence Data

EO Type: SPAWNING & REARING - fish Min. Elev.(m):
 EO Data: RESIDENT. ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

EO Comments:

Protection:

Management:

References: ODFW 2002; Pribyl

Specimens:

General: DISTRIBUTION INFORMATION USED IN THIS EOR WAS DERIVED FROM ODFW GEOGRAPHIC RESOURCES DATA PRODUCED AND DISTRIBUTED IN 2002. UNLESS SPECIFIC DATA EXISTS IN THE DATA FIELD, THE INFORMATION PRESENTED IN THIS EOR REPRESENTS THE "BEST PROFESSIONAL JUDGMENT" BY ODFW'S STAFF BIOLOGISTS AND IN SOME CASES, THAT OF STAFF FROM OTHER NATURAL RESOURCES AGENCIES WITHIN OREGON; THE PRESENCE OF CUTTHROAT TROUT IN DESCRIBED AREAS SHOULD BE CONSIDERED UNDOCUMENTED BUT AS HAVING A POTENTIAL OF BEING PRESENT. THE USETYPE CLASSIFICATIONS BY ODFW ARE SUBJECT TO CHANGE FOR NON-ANADROMOUS FISHES.

Scientific Name: ***Oncorhynchus clarkii pop. 2***

EO NUM: 32

Common Name: **Coastal cutthroat trout (Southwestern Washington/Columbia River ESU)**

EO ID: 4272

Federal Status: SOC

GRANK: G4T3Q

NHP List: 1

Category: Vertebrate Animal

State Status: SV

SRANK: S2

HP Track: Y

ELCODE: AFCHA0208F

Confirmed: First Obs: 2001-PRE Last Obs: 2001-PRE EO Rank: E - Verified extant (viability not assessed)

Directions: ROCK CREEK

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>			
Hood River	EC		170701051104 - Rock Creek			
Wasco			170701051105 - Rowena Creek-Columbia River			
<u>Town/Range</u>	<u>Sect</u>	<u>Meridian</u>	<u>TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N011E	- 02	- WM	-	45121-E4	Ketchum Reservoir	
002N011E	- 10	- WM	-	45121-F4	White Salmon	
002N011E	- 11	- WM	-			
002N011E	- 15	- WM	-			
002N011E	- 16	- WM	-			
002N011E	- 21	- WM	-			
002N011E	- 28	- WM	-			
002N011E	- 32	- WM	-			
002N011E	- 33	- WM	-			

Source Feature Uncertainty Type (Distance) [Use Class] Annual Observations
 Data currently not available.

SFeat ID Date Visit data
 4272 2001-PRE MIXED SEA-RUN & RESIDENT. ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

Occurrence Data

EO Type: SPAWNING & REARING - fish Min. Elev.(m):
 EO Data: MIXED SEA-RUN & RESIDENT. ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

EO Comments:

Protection:

Management:

References: ODFW 2002; Pribyl

Specimens:

General: DISTRIBUTION INFORMATION USED IN THIS EOR WAS DERIVED FROM ODFW GEOGRAPHIC RESOURCES DATA PRODUCED AND DISTRIBUTED IN 2002. UNLESS SPECIFIC DATA EXISTS IN THE DATA FIELD, THE INFORMATION PRESENTED IN THIS EOR REPRESENTS THE "BEST PROFESSIONAL JUDGMENT" BY ODFW'S STAFF BIOLOGISTS AND IN SOME CASES, THAT OF STAFF FROM OTHER NATURAL RESOURCES AGENCIES WITHIN OREGON; THE PRESENCE OF CUTTHROAT TROUT IN DESCRIBED AREAS SHOULD BE CONSIDERED UNDOCUMENTED BUT AS HAVING A POTENTIAL OF BEING PRESENT. THE USETYPE CLASSIFICATIONS BY ODFW ARE SUBJECT TO CHANGE FOR NON-ANADROMOUS FISHES.

Scientific Name: ***Oncorhynchus clarkii pop. 2*** EO NUM: 84
 Common Name: **Coastal cutthroat trout (Southwestern Washington/Columbia River ESU)** EO ID: 18540
 Federal Status: SOC GRANK: G4T3Q NHP List: 1 Category: Vertebrate Animal
 State Status: SV SRANK: S2 HP Track: Y ELCODE: AFCHA0208F
 Confirmed: First Obs: 2002-PRE Last Obs: 2002-PRE EO Rank: E - Verified extant (viability not assessed)
 Directions: MOSIER CREEK

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>			
Wasco	EC		170701051103 - Lower Mosier Creek			
			170701051105 - Rowena Creek-Columbia River			
<u>Town/Range</u>	<u>Sect</u>	<u>Meridian</u>	<u>TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N011E	- 01	- WM	-	45121-F4	White Salmon	
002N011E	- 02	- WM	-			

Source Feature Uncertainty Type (Distance) [Use Class] Annual Observations
 Data currently not available.

SFeat ID Date Visit data
 18540 2002-PRE MIXED SEA-RUN & RESIDENT. ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

Occurrence Data

EO Type: PRESENT - UNKNOWN OR UNSF Min. Elev.(m):
 EO Data: MIXED SEA-RUN & RESIDENT. ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

EO Comments:

Protection:

Management:

References: ODFW 2002; Larson 2002

Specimens:

General: DISTRIBUTION INFORMATION USED IN THIS EOR WAS DERIVED FROM ODFW GEOGRAPHIC RESOURCES DATA PRODUCED AND DISTRIBUTED IN 2002. UNLESS SPECIFIC DATA EXISTS IN THE DATA FIELD, THE INFORMATION PRESENTED IN THIS EOR REPRESENTS THE "BEST PROFESSIONAL JUDGMENT" BY ODFW'S STAFF BIOLOGISTS AND IN SOME CASES, THAT OF STAFF FROM OTHER NATURAL RESOURCES AGENCIES WITHIN OREGON; THE PRESENCE OF CUTTHROAT TROUT IN DESCRIBED AREAS SHOULD BE CONSIDERED UNDOCUMENTED BUT AS HAVING A POTENTIAL OF BEING PRESENT. THE USETYPE CLASSIFICATIONS BY ODFW ARE SUBJECT TO CHANGE FOR NON-ANADROMOUS FISHES.

Scientific Name: ***Oncorhynchus clarkii pop. 2***

EO NUM: 93

Common Name: **Coastal cutthroat trout (Southwestern Washington/Columbia River ESU)**

EO ID: 13624

Federal Status: SOC

GRANK: G4T3Q

NHP List: 1

Category: Vertebrate Animal

State Status: SV

SRANK: S2

HP Track: Y

ELCODE: AFCHA0208F

Confirmed: First Obs: 2001-PRE Last Obs: 2001-PRE EO Rank: E - Verified extant (viability not assessed)

Directions: COLUMBIA RIVER

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Clatsop	CB		170701050401 - Threemile Creek-Columbia River
Columbia	CR		170701050406 - Murdock-Columbia River
Hood River	EC		170701051105 - Rowena Creek-Columbia River
Multnomah	ME		170701051106 - Grays Creek-Columbia River
Wasco	WC		170701051204 - Carson Creek-Columbia River
	WV		170800010801 - Tanner Creek-Columbia River
			170800010802 - Hamilton Creek-Columbia River
			170800010803 - Viento Creek-Columbia River
			170800010804 - Latourell Creek-Columbia River
			170800030200 - Hayden Island-Columbia River
			170800030900 - Cathlamet Channel-Columbia River
			170800060500 - Baker Bay-Columbia River

<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
001N001E - 01 - WM -	45121-E2	The Dalles South	Oregon Island Wilderness Area
001N002E - 03 - WM -	45121-E8	Tanner Butte	
001N002E - 04 - WM -	45121-F2	The Dalles North	
001N002E - 05 - WM -	45121-F3	Lyle	
001N002E - 06 - WM -	45121-F4	White Salmon	
001N002E - 10 - WM -	45121-F5	Hood River	
001N002E - 11 - WM -	45121-F6	Mount Defiance	
001N002E - 12 - WM -	45121-F7	Carson	
001N003E - 07 - WM -	45121-F8	Bonneville Dam	
001N003E - 13 - WM -	45122-E1	Multnomah Falls	
001N003E - 14 - WM -	45122-E2	Bridal Veil	
001N003E - 15 - WM -	45122-E3	Washougal	
001N003E - 16 - WM -	45122-E4	Camas	
001N003E - 17 - WM -	45122-E5	Mount Tabor	
001N004E - 18 - WM -	45122-E6	Portland	
001N004E - 20 - WM -	45122-F6	Vancouver	
001N004E - 26 - WM -	45122-F7	Sauvie Island	
001N004E - 27 - WM -	45122-G7	Saint Helens	
001N004E - 28 - WM -	45122-H7	Deer Island	
001N005E - 12 - WM -	46122-A7	Kalama	
001N005E - 14 - WM -	46122-A8	Rainier	
001N005E - 15 - WM -	46122-B8	Kelso	
001N005E - 19 - WM -	46123-B1	Coal Creek	
001N005E - 20 - WM -	46123-B2	Oak Point	
001N005E - 21 - WM -	46123-B3	Nassa Point	
001N006E - 03 - WM -	46123-B4	Cathlamet	
001N006E - 04 - WM -	46123-B6	Cathlamet Bay	
001N006E - 07 - WM -	46123-B7	Astoria	
001N006E - 08 - WM -	46123-B8	Warrenton	
001N013E - 02 - WM -	46123-C4	Skamokawa	
001N013E - 03 - WM -	46123-C5	Grays River	
002N001E - 19 - WM -	46123-C6	Rosburg	
002N001E - 20 - WM -	46124-B1	Clatsop Spit	
002N001E - 28 - WM -			
002N001E - 29 - WM -			
002N001E - 33 - WM -			
002N001E - 34 - WM -			
002N001E - 35 - WM -			
002N001W - 02 - WM -			
002N001W - 11 - WM -			
002N001W - 13 - WM -			
002N001W - 14 - WM -			
002N001W - 24 - WM -			
002N006E - 34 - WM -			
002N006E - 35 - WM -			
002N006E - 36 - WM -			
002N007E - 01 - WM -			
002N007E - 12 - WM -			
002N007E - 14 - WM -			
002N007E - 21 - WM -			
002N007E - 22 - WM -			
002N007E - 29 - WM -			
002N007E - 30 - WM -			
002N007E - 31 - WM -			
002N008E - 06 - WM -			
002N011E - 02 - WM -			
002N012E - 02 - WM -			
002N012E - 03 - WM -			
002N012E - 12 - WM -			
002N013E - 07 - WM -			

002N013E - 08 - WM -
002N013E - 16 - WM -
002N013E - 21 - WM -
002N013E - 28 - WM -
002N013E - 33 - WM -
002N013E - 34 - WM -
002N013E - 36 - WM -
002N014E - 31 - WM -
003N001W - 02 - WM -
003N001W - 11 - WM -
003N001W - 26 - WM -
003N001W - 35 - WM -
003N008E - 32 - WM -
003N008E - 33 - WM -
003N008E - 34 - WM -
003N008E - 35 - WM -
003N008E - 36 - WM -
003N009E - 29 - WM -
003N009E - 31 - WM -
003N009E - 32 - WM -
003N009E - 34 - WM -
003N009E - 35 - WM -
003N009E - 36 - WM -
003N010E - 25 - WM -
003N010E - 27 - WM -
003N010E - 28 - WM -
003N011E - 30 - WM -
003N011E - 32 - WM -
003N011E - 33 - WM -
003N011E - 36 - WM -
003N012E - 31 - WM -
003N012E - 32 - WM -
003N012E - 33 - WM -
003N012E - 34 - WM -
004N001W - 03 - WM -
004N001W - 10 - WM -
004N001W - 15 - WM -
004N001W - 22 - WM -
004N001W - 27 - WM -
004N001W - 35 - WM -
005N001W - 04 - WM -
005N001W - 09 - WM -
005N001W - 16 - WM -
005N001W - 21 - WM -
005N001W - 27 - WM -
005N001W - 34 - WM -
006N001W - 07 - WM -
006N001W - 18 - WM -
006N001W - 19 - WM -
006N001W - 20 - WM -
006N001W - 29 - WM -
006N001W - 33 - WM -
006N002W - 01 - WM -
006N002W - 12 - WM -
007N002W - 06 - WM -
007N002W - 07 - WM -
007N002W - 08 - WM -
007N002W - 15 - WM -
007N002W - 16 - WM -
007N002W - 23 - WM -
007N002W - 25 - WM -

007N002W - 26 - WM -
 007N002W - 36 - WM -
 007N003W - 01 - WM -
 008N003W - 19 - WM -
 008N003W - 20 - WM -
 008N003W - 27 - WM -
 008N003W - 28 - WM -
 008N003W - 35 - WM -
 008N003W - 36 - WM -
 008N004W - 10 - WM -
 008N004W - 11 - WM -
 008N004W - 13 - WM -
 008N004W - 16 - WM -
 008N004W - 17 - WM -
 008N004W - 19 - WM -
 008N004W - 20 - WM -
 008N005W - 24 - WM -
 008N005W - 25 - WM -
 008N005W - 26 - WM -
 008N005W - 27 - WM -
 008N005W - 28 - WM -
 008N005W - 29 - WM -
 008N005W - 30 - WM -
 008N006W - 04 - WM -
 008N006W - 09 - WM -
 008N006W - 15 - WM -
 008N006W - 16 - WM -
 008N006W - 22 - WM -
 008N006W - 23 - WM -
 008N006W - 25 - WM -
 008N006W - 26 - WM -
 008N009W - 03 - WM -
 008N009W - 07 - WM -
 008N010W - 04 - WM -
 008N010W - 05 - WM -
 008N010W - 10 - WM -
 008N010W - 12 - WM -
 009N006W - 18 - WM -
 009N006W - 20 - WM -
 009N006W - 28 - WM -
 009N006W - 33 - WM -
 009N007W - 15 - WM -
 009N008W - 20 - WM -
 009N008W - 21 - WM -
 009N008W - 22 - WM -
 009N008W - 29 - WM -
 009N009W - 35 - WM -
 009N009W - 36 - WM -
 009N010W - 31 - WM -

Source Feature Uncertainty Type (Distance) [Use Class]

Data currently not available.

Annual Observations

SFeat ID Date Visit data

Occurrence Data

EO Type: MIGRATION - fish

Min. Elev.(m):

EO Data: SEA-RUN.

EO Comments:

Protection:

Management:

References:

Specimens:

General:

Scientific Name: ***Oncorhynchus kisutch pop. 1***

EO NUM: 9

Common Name: **Coho salmon (Lower Columbia River ESU)**

EO ID: 18111

Federal Status: LT

GRANK: G4T2Q

NHP List: 1

Category: Vertebrate Animal

State Status: LE

SRANK: S2

HP Track: Y

ELCODE: AFCHA02031

Confirmed: First Obs: 1999-PRE Last Obs: 2009 EO Rank: E - Verified extant (viability not assessed)

Directions: ROCK CREEK. From Columbia River to about 1/2 mile upstream.

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>			
Wasco	EC		170701051104 - Rock Creek			
<u>Town/Range</u>	<u>Sect</u>	<u>Meridian</u>	<u>TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N011E	- 02	- WM	-	45121-F4	White Salmon	
002N011E	- 11	- WM	-			

Source Feature Uncertainty Type (Distance) [Use Class]Annual Observations

Data currently not available.

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>

Occurrence Data

EO Type: SPAWNING & REARING - fish

Min. Elev.(m):

EO Data: 2009: Classified as spawning by ODFW. Undocumented fish observation. 1999: ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE

EO Comments:

Protection:

Management:

References: ODFW 2009; ODFW 2000; ODFW

Specimens:

General: DISTRIBUTION INFORMATION USED IN THIS EOR WAS DERIVED FROM ODFW GEOGRAPHIC RESOURCES DATA PRODUCED AND DISTRIBUTED IN 1999. UNLESS SPECIFIC DATA EXISTS IN THE DATA FIELD, THE INFORMATION PRESENTED IN THIS EOR REPRESENTS THE "BEST PROFESSIONAL JUDGMENT" BY ODFW'S DISTRICT FISHERIES BIOLOGIST; THE PRESENCE OF COHO IN DESCRIBED AREAS SHOULD BE CONSIDERED UNDOCUMENTED BUT AS HAVING A POTENTIAL OF BEING PRESENT. Updated with 2009 ODFW data.

Scientific Name: ***Oncorhynchus kisutch pop. 1***

EO NUM: 10

Common Name: **Coho salmon (Lower Columbia River ESU)**

EO ID: 18110

Federal Status: LT

GRANK: G4T2Q

NHP List: 1

Category: Vertebrate Animal

State Status: LE

SRANK: S2

HP Track: Y

ELCODE: AFCHA02031

Confirmed: First Obs: 1999-PRE Last Obs: 2009 EO Rank: E - Verified extant (viability not assessed)

Directions: MOSIER CREEK. From Columbia River to Mosier Falls.

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>			
Wasco	EC		170701051103 - Lower Mosier Creek			
<u>Town/Range</u>	<u>Sect</u>	<u>Meridian</u>	<u>TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N011E	- 01	- WM	-	45121-F4	White Salmon	

Source Feature Uncertainty Type (Distance) [Use Class]Annual Observations

Data currently not available.

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>

Occurrence Data

EO Type: SPAWNING & REARING - fish

Min. Elev.(m):

EO Data: 2009: Classified as spawning by ODFW. 1999: ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE

EO Comments: Mosier Falls are 125' - 150' in height.

Protection:

Management:

References: ODFW 2009; ODFW 2000; ODFW

Specimens:

General: DISTRIBUTION INFORMATION USED IN THIS EOR WAS DERIVED FROM ODFW GEOGRAPHIC RESOURCES DATA PRODUCED AND DISTRIBUTED IN 1999. UNLESS SPECIFIC DATA EXISTS IN THE DATA FIELD, THE INFORMATION PRESENTED IN THIS EOR REPRESENTS THE "BEST PROFESSIONAL JUDGMENT" BY ODFW'S DISTRICT FISHERIES BIOLOGIST; THE PRESENCE OF COHO IN DESCRIBED AREAS SHOULD BE CONSIDERED UNDOCUMENTED BUT AS HAVING A POTENTIAL OF BEING PRESENT. Updated with 2009 ODFW data.

Scientific Name: ***Oncorhynchus kisutch pop. 1***

EO NUM: 132

Common Name: **Coho salmon (Lower Columbia River ESU)**

EO ID: 35693

Federal Status: LT

GRANK: G4T2Q

NHP List: 1

Category: Vertebrate Animal

State Status: LE

SRANK: S2

HP Track: Y

ELCODE: AFCHA02031

Confirmed:

First Obs: 1999-pre

Last Obs: 2009

EO Rank: E - Verified extant (viability not assessed)

Directions: Columbia River from Bonneville Dam to The Dalles.

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Hood River	CB		170701050306 - Lower Fifteenmile Creek
Multnomah	EC		170701050401 - Threemile Creek-Columbia River
Wasco	WC		170701050402 - Threemile Creek
			170701050405 - Chenoweth Creek
			170701050406 - Murdock-Columbia River
			170701050703 - Indian Creek-Hood River
			170701051103 - Lower Mosier Creek
			170701051104 - Rock Creek
			170701051105 - Rowena Creek-Columbia River
			170701051106 - Grays Creek-Columbia River
			170701051204 - Carson Creek-Columbia River

<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
001N013E - 01 - WM -	45121-E1	Petersburg	
001N013E - 02 - WM -	45121-E2	The Dalles South	
001N013E - 03 - WM -	45121-F2	The Dalles North	
002N007E - 01 - WM -	45121-F3	Lyle	
002N007E - 12 - WM -	45121-F4	White Salmon	
002N007E - 14 - WM -	45121-F5	Hood River	
002N007E - 22 - WM -	45121-F6	Mount Defiance	
002N008E - 06 - WM -	45121-F7	Carson	
002N009E - 05 - WM -	45121-F8	Bonneville Dam	
002N011E - 01 - WM -			
002N011E - 02 - WM -			
002N012E - 02 - WM -			
002N012E - 03 - WM -			
002N012E - 12 - WM -			
002N013E - 07 - WM -			
002N013E - 08 - WM -			
002N013E - 16 - WM -			
002N013E - 21 - WM -			
002N013E - 28 - WM -			
002N013E - 33 - WM -			
002N013E - 34 - WM -			
002N013E - 36 - WM -			
002N014E - 31 - WM -			
003N008E - 32 - WM -			
003N008E - 33 - WM -			
003N008E - 34 - WM -			
003N008E - 35 - WM -			
003N008E - 36 - WM -			
003N009E - 29 - WM -			
003N009E - 31 - WM -			
003N009E - 32 - WM -			
003N009E - 34 - WM -			
003N009E - 35 - WM -			
003N009E - 36 - WM -			
003N010E - 25 - WM -			
003N010E - 27 - WM -			
003N010E - 28 - WM -			
003N011E - 30 - WM -			
003N011E - 32 - WM -			
003N011E - 33 - WM -			
003N011E - 36 - WM -			
003N012E - 31 - WM -			
003N012E - 32 - WM -			
003N012E - 33 - WM -			
003N012E - 34 - WM -			

Source Feature Uncertainty Type (Distance) [Use Class]

Annual Observations

Data currently not available.

SFeat ID Date Visit data

Occurrence Data

EO Type:

Min. Elev.(m):

EO Data: 2009: Classified a migration by ODFW. 1999: ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

EO Comments:

Protection:

Management:

References: ODFW

Specimens:

General: Distribution information used in this EOR was derived from ODFW geographic resources data produced and distributed in 1999. Unless specific data exists in the data field, the information presented in this EOR represents the "best professional judgement" by ODFW's district fisheries biologist; the presence of coho in described areas should be considered undocumented but as having a potential of being present. EOR was updated using ODFW geographic resources data produced and distributed in 2004. Updated with 2009 ODFW data.

Scientific Name: ***Oncorhynchus mykiss pop. 27*** EO NUM: 141
 Common Name: **Steelhead (Lower Columbia River ESU, winter run)** EO ID: 18557
 Federal Status: LT GRANK: G5T2Q NHP List: 1 Category: Vertebrate Animal
 State Status: SC SRANK: S2 HP Track: Y ELCODE: AFCHA02132
 Confirmed: First Obs: 2000-PRE Last Obs: 2000-PRE EO Rank: E - Verified extant (viability not assessed)
 Directions: COLUMBIA RIVER & TRIBUTARIES

County Name	Ecoregion	Owner Name/Type	Watershed
Hood River	CB		170701050306 - Lower Fifteenmile Creek
Wasco	EC		170701050401 - Threemile Creek-Columbia River
			170701050402 - Threemile Creek
			170701050404 - Mill Creek
			170701050406 - Murdock-Columbia River
			170701051103 - Lower Mosier Creek
			170701051104 - Rock Creek
			170701051105 - Rowena Creek-Columbia River

Town/Range Sect Meridian TRS Note	QuadCode	QuadName	Managed Area Name
001N013E - 01 - WM -	45121-E1	Petersburg	
001N013E - 02 - WM -	45121-E2	The Dalles South	
001N013E - 03 - WM -	45121-F2	The Dalles North	
002N011E - 01 - WM -	45121-F3	Lyle	
002N011E - 02 - WM -	45121-F4	White Salmon	
002N012E - 02 - WM -	45121-F5	Hood River	
002N012E - 03 - WM -			
002N012E - 12 - WM -			
002N013E - 07 - WM -			
002N013E - 08 - WM -			
002N013E - 16 - WM -			
002N013E - 21 - WM -			
002N013E - 28 - WM -			
002N013E - 33 - WM -			
002N013E - 34 - WM -			
002N013E - 36 - WM -			
002N014E - 31 - WM -			
003N010E - 25 - WM -			
003N011E - 30 - WM -			
003N011E - 32 - WM -			
003N011E - 33 - WM -			
003N011E - 36 - WM -			
003N012E - 31 - WM -			
003N012E - 32 - WM -			
003N012E - 33 - WM -			
003N012E - 34 - WM -			

Source Feature Uncertainty Type (Distance) [Use Class] Annual Observations
 Data currently not available.

SFeat ID Date Visit data

Occurrence Data

EO Type: MIGRATION - fish Min. Elev.(m):
 EO Data: WINTER RUN, ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

EO Comments:

Protection:

Management:

References: ODFW 2001

Specimens:

General: DISTRIBUTION INFORMATION USED IN THIS EOR WAS DERIVED FROM ODFW GEOGRAPHIC RESOURCES DATA PRODUCED AND DISTRIBUTED IN 2001. UNLESS SPECIFIC DATA EXISTS IN THE DATA FIELD, THE INFORMATION PRESENTED IN THIS EOR REPRESENTS THE "BEST PROFESSIONAL JUDGMENT" BY ODFW'S DISTRICT FISHERIES BIOLOGIST; THE PRESENCE OF STEELHEAD IN DESCRIBED AREAS SHOULD BE CONSIDERED UNDOCUMENTED BUT AS HAVING A POTENTIAL OF BEING PRESENT.

Scientific Name: ***Oncorhynchus mykiss pop. 28***

EO NUM: 22

Common Name: **Steelhead (Middle Columbia River ESU, summer run)**

EO ID: 10042

Federal Status: LT

GRANK: G5T2Q

NHP List: 1

Category: Vertebrate Animal

State Status: SC

SRANK: S2

HP Track: Y

ELCODE: AFCHA02133

Confirmed: First Obs: 1999-PRE Last Obs: 1999-PRE EO Rank: E - Verified extant (viability not assessed)

Directions: MOSIER CREEK

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Wasco	EC		170701051103 - Lower Mosier Creek
<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N011E - 01 - WM -	45121-F4	White Salmon	

<u>Source Feature</u>	<u>Uncertainty Type (Distance)</u>	<u>[Use Class]</u>	<u>Annual Observations</u>
Data currently not available.			

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>
10042	1999-PRE	SUMMER RUN; ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

Occurrence Data

EO Type: SPAWNING & REARING - fish

Min. Elev.(m):

EO Data: SUMMER RUN; ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

EO Comments:

Protection:

Management:

References: ODFW 2000

Specimens:

General: DISTRIBUTION INFORMATION USED IN THIS EOR WAS DERIVED FROM ODFW GEOGRAPHIC RESOURCES DATA PRODUCED AND DISTRIBUTED IN 1999. UNLESS SPECIFIC DATA EXISTS IN THE DATA FIELD, THE INFORMATION PRESENTED IN THIS EOR REPRESENTS THE "BEST PROFESSIONAL JUDGMENT" BY ODFW'S DISTRICT FISHERIES BIOLOGIST; THE PRESENCE OF STEELHEAD IN DESCRIBED AREAS SHOULD BE CONSIDERED UNDOCUMENTED BUT AS HAVING A POTENTIAL OF BEING PRESENT.

Scientific Name: ***Oncorhynchus mykiss pop. 28***

EO NUM: 117

Common Name: **Steelhead (Middle Columbia River ESU, summer run)**

EO ID: 948

Federal Status: LT

GRANK: G5T2Q

NHP List: 1

Category: Vertebrate Animal

State Status: SC

SRANK: S2

HP Track: Y

ELCODE: AFCHA02133

Confirmed: First Obs: 1996-PRE Last Obs: 2009 EO Rank: E - Verified extant (viability not assessed)

Directions: COLUMBIA RIVER & TRIBUTARIES

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Gilliam	CB		170701010201 - Spring Gulch-Lake Wallula
Hood River	EC		170701010204 - Spaw Canyon-Lake Wallula
Morrow			170701010206 - Cold Springs Wash-Lake Wallula
Sherman			170701010207 - McNary Dam-Lake Wallula
Umatilla			170701010601 - Lake Umatilla
Wasco			170701010602 - Upper Paterson Slough-Lake Umatilla
			170701010603 - Lower Paterson Slough-Lake Umatilla
			170701010904 - Whitcomb Island-Lake Umatilla
			170701010905 - Lower Dead Canyon-Lake Umatilla
			170701011401 - Threemile Canyon-Lake Umatilla
			170701011403 - Hurlburt Flats-Lake Umatilla
			170701011405 - Old Lady Canyon-Lake Umatilla
			170701011407 - Philippi Canyon-Lake Umatilla
			170701011408 - John Day Dam-Lake Umatilla
			170701031306 - Umatilla River
			170701050101 - Spanish Hollow Creek
			170701050103 - Hells Gate Canyon-Columbia River
			170701050401 - Threemile Creek-Columbia River
			170701050406 - Murdock-Columbia River
			170701051103 - Lower Mosier Creek
			170701051105 - Rowena Creek-Columbia River
			170703061205 - Gordon Canyon-Deschutes River

<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
001N013E - 02 - WM -	45118-H8	Juniper Canyon	
001N013E - 03 - WM -	45119-G6	Boardman	
002N011E - 01 - WM -	45119-G7	Crow Butte	
002N011E - 02 - WM -	45119-G8	Alderdale	
002N012E - 02 - WM -	45119-H1	Juniper	
002N012E - 03 - WM -	45119-H2	Hat Rock	
002N012E - 12 - WM -	45119-H3	Umatilla	
002N013E - 07 - WM -	45119-H4	Irrigon	
002N013E - 08 - WM -	45119-H5	Paterson	
002N013E - 16 - WM -	45119-H6	Blalock Island	
002N013E - 21 - WM -	45120-F2	Arlington	
002N013E - 28 - WM -	45120-F3	Sundale	
002N013E - 33 - WM -	45120-F4	Sundale NW	
002N013E - 34 - WM -	45120-F5	Quinton	
002N013E - 36 - WM -	45120-F6	Rufus	
002N014E - 15 - WM -	45120-F7	Biggs Junction	
002N014E - 20 - WM -	45120-F8	Wishram	
002N014E - 21 - WM -	45120-G1	Heppner Junction	
002N014E - 29 - WM -	45120-G2	Wood Gulch	
002N014E - 30 - WM -	45121-E1	Petersburg	
002N014E - 31 - WM -	45121-E2	The Dalles South	
002N015E - 13 - WM -	45121-F1	Stacker Butte	
002N015E - 15 - WM -	45121-F2	The Dalles North	
002N015E - 16 - WM -	45121-F3	Lyle	
002N015E - 17 - WM -	45121-F4	White Salmon	
002N015E - 19 - WM -	45121-F5	Hood River	
002N015E - 20 - WM -			
002N015E - 22 - WM -			
002N015E - 23 - WM -			
002N015E - 26 - WM -			
002N016E - 01 - WM -			
002N016E - 02 - WM -			
002N016E - 03 - WM -			
002N016E - 07 - WM -			
002N016E - 08 - WM -			
002N016E - 09 - WM -			
002N016E - 18 - WM -			
003N010E - 25 - WM -			
003N011E - 30 - WM -			
003N011E - 32 - WM -			
003N011E - 33 - WM -			
003N011E - 36 - WM -			
003N012E - 31 - WM -			
003N012E - 32 - WM -			
003N012E - 33 - WM -			
003N012E - 34 - WM -			
003N016E - 36 - WM -			
003N017E - 13 - WM -			
003N017E - 14 - WM -			
003N017E - 22 - WM -			
003N017E - 23 - WM -			
003N017E - 27 - WM -			
003N017E - 28 - WM -			
003N017E - 31 - WM -			
003N017E - 32 - WM -			
003N018E - 16 - WM -			
003N018E - 17 - WM -			
003N018E - 18 - WM -			
003N018E - 36 - WM -			
003N019E - 31 - WM -			

003N019E - 35 - WM -
 003N019E - 36 - WM -
 003N020E - 27 - WM -
 003N020E - 28 - WM -
 003N020E - 31 - WM -
 003N021E - 01 - WM -
 003N021E - 02 - WM -
 003N021E - 10 - WM -
 003N021E - 11 - WM -
 003N021E - 15 - WM -
 003N021E - 16 - WM -
 003N021E - 20 - WM -
 003N021E - 21 - WM -
 003N022E - 06 - WM -
 004N022E - 25 - WM -
 004N022E - 26 - WM -
 004N022E - 33 - WM -
 004N022E - 34 - WM -
 004N023E - 13 - WM -
 004N024E - 07 - WM -
 004N024E - 08 - WM -
 004N024E - 11 - WM -
 004N024E - 12 - WM -
 004N024E - 18 - WM -
 004N025E - 03 - WM -
 004N025E - 04 - WM -
 004N025E - 07 - WM -
 004N025E - 08 - WM -
 005N025E - 24 - WM -
 005N025E - 25 - WM -
 005N026E - 15 - WM -
 005N026E - 16 - WM -
 005N026E - 17 - WM -
 005N026E - 18 - WM -
 005N026E - 19 - WM -
 005N028E - 10 - WM -
 005N028E - 11 - WM -
 005N028E - 12 - WM -
 005N028E - 17 - WM -
 005N028E - 18 - WM -
 005N029E - 07 - WM -
 005N029E - 08 - WM -

Source Feature Uncertainty Type (Distance) [Use Class]

Annual Observations

Data currently not available.

SFeat ID Date Visit data

Occurrence Data

EO Type: MIGRATION - fish

Min. Elev.(m):

EO Data: 2009: Classified as migration by ODFW. Documented fish observation on Umatilla River (near confluence with Columbia River).
 SUMMER RUN; ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

EO Comments:

Protection:

Management:

References: ODFW 2000; ODFW

Specimens:

General: DISTRIBUTION INFORMATION USED IN THIS EOR WAS DERIVED FROM ODFW GEOGRAPHIC RESOURCES DATA PRODUCED AND DISTRIBUTED IN 1999. UNLESS SPECIFIC DATA EXISTS IN THE DATA FIELD, THE INFORMATION PRESENTED IN THIS EOR REPRESENTS THE "BEST PROFESSIONAL JUDGMENT" BY ODFW'S DISTRICT FISHERIES BIOLOGIST; THE PRESENCE OF STEELHEAD IN DESCRIBED AREAS SHOULD BE CONSIDERED UNDOCUMENTED BUT AS HAVING A POTENTIAL OF BEING PRESENT.

Scientific Name: ***Oncorhynchus mykiss pop. 29*** EO NUM: 133
 Common Name: **Steelhead (Middle Columbia River ESU, winter run)** EO ID: 3170
 Federal Status: LT GRANK: G5T2Q NHP List: 1 Category: Vertebrate Animal
 State Status: SRANK: S2 HP Track: Y ELCODE: AFCHA02134
 Confirmed: First Obs: 1999-PRE Last Obs: 1999-PRE EO Rank: E - Verified extant (viability not assessed)
 Directions: MOSIER CREEK

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Wasco	EC		170701051103 - Lower Mosier Creek
<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N011E - 01 - WM -	45121-F4	White Salmon	

Source Feature Uncertainty Type (Distance) [Use Class] Annual Observations
 Data currently not available.

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>
3170	1999-PRE	WINTER RUN; ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

Occurrence Data

EO Type: SPAWNING & REARING - fish Min. Elev.(m):
 EO Data: WINTER RUN; ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

EO Comments:

Protection:

Management:

References: ODFW 2000

Specimens:

General: DISTRIBUTION INFORMATION USED IN THIS EOR WAS DERIVED FROM ODFW GEOGRAPHIC RESOURCES DATA PRODUCED AND DISTRIBUTED IN 1999. UNLESS SPECIFIC DATA EXISTS IN THE DATA FIELD, THE INFORMATION PRESENTED IN THIS EOR REPRESENTS THE "BEST PROFESSIONAL JUDGMENT" BY ODFW'S DISTRICT FISHERIES BIOLOGIST; THE PRESENCE OF STEELHEAD IN DESCRIBED AREAS SHOULD BE CONSIDERED UNDOCUMENTED BUT AS HAVING A POTENTIAL OF BEING PRESENT.

Scientific Name: ***Oncorhynchus mykiss pop. 29*** EO NUM: 138
 Common Name: **Steelhead (Middle Columbia River ESU, winter run)** EO ID: 10057
 Federal Status: LT GRANK: G5T2Q NHP List: 1 Category: Vertebrate Animal
 State Status: SRANK: S2 HP Track: Y ELCODE: AFCHA02134
 Confirmed: First Obs: 1999-PRE Last Obs: 1999-PRE EO Rank: E - Verified extant (viability not assessed)
 Directions: ROCK CREEK

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Wasco	EC		170701051104 - Rock Creek
<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N011E - 02 - WM -	45121-F4	White Salmon	
002N011E - 10 - WM -			
002N011E - 11 - WM -			

Source Feature Uncertainty Type (Distance) [Use Class] Annual Observations
 Data currently not available.

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>
10057	1999-PRE	WINTER RUN; ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

Occurrence Data

EO Type: SPAWNING & REARING - fish Min. Elev.(m):
 EO Data: WINTER RUN; ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

EO Comments:

Protection:

Management:

References: ODFW 2000

Specimens:

General: DISTRIBUTION INFORMATION USED IN THIS EOR WAS DERIVED FROM ODFW GEOGRAPHIC RESOURCES DATA PRODUCED AND DISTRIBUTED IN 1999. UNLESS SPECIFIC DATA EXISTS IN THE DATA FIELD, THE INFORMATION PRESENTED IN THIS EOR REPRESENTS THE "BEST PROFESSIONAL JUDGMENT" BY ODFW'S DISTRICT FISHERIES BIOLOGIST; THE PRESENCE OF STEELHEAD IN DESCRIBED AREAS SHOULD BE CONSIDERED UNDOCUMENTED BUT AS HAVING A POTENTIAL OF BEING PRESENT.

Scientific Name: ***Oncorhynchus tshawytscha pop. 19*** EO NUM: 39
 Common Name: **Chinook salmon (Middle Columbia River ESU, spring run)** EO ID: 31123
 Federal Status: GRANK: G5T3Q NHP List: 4 Category: Vertebrate Animal
 State Status: SV SRANK: S3 HP Track: Y ELCODE: AFCHA0205U
 Confirmed: First Obs: 2009-pre Last Obs: 2009 EO Rank: E - Verified extant (viability not assessed)
 Directions: Columbia River, at Bradford Island. Segment extends approximately 72 miles.

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Hood River	CB		170701011408 - John Day Dam-Lake Umatilla
Multnomah	EC		170701050103 - Hells Gate Canyon-Columbia River
Sherman	WC		170701050203 - Fivemile Creek
Wasco			170701050204 - Lower Eightmile Creek
			170701050302 - Upper Fifteenmile Creek
			170701050304 - Lower Dry Creek
			170701050305 - Middle Fifteenmile Creek
			170701050306 - Lower Fifteenmile Creek
			170701050401 - Threemile Creek-Columbia River
			170701050406 - Murdock-Columbia River
			170701051105 - Rowena Creek-Columbia River
			170701051106 - Grays Creek-Columbia River
			170701051204 - Carson Creek-Columbia River

<u>Town/Range</u>	<u>Sect</u>	<u>Meridian</u>	<u>TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
001N013E	- 02	- WM	-	45120-E8	Emerson	
001N013E	- 03	- WM	-	45120-F6	Rufus	
001N014E	- 04	- WM	-	45120-F7	Biggs Junction	
001N014E	- 05	- WM	-	45120-F8	Wishram	
001N014E	- 09	- WM	-	45121-E1	Petersburg	
001N014E	- 10	- WM	-	45121-E2	The Dalles South	
001N014E	- 15	- WM	-	45121-F1	Stacker Butte	
001N014E	- 21	- WM	-	45121-F2	The Dalles North	
001N014E	- 22	- WM	-	45121-F3	Lyle	
001N014E	- 28	- WM	-	45121-F4	White Salmon	
001N014E	- 29	- WM	-	45121-F5	Hood River	
001N014E	- 32	- WM	-	45121-F6	Mount Defiance	
001N014E	- 35	- WM	-	45121-F7	Carson	
001N014E	- 36	- WM	-	45121-F8	Bonneville Dam	
001N015E	- 04	- WM	-			
001N015E	- 08	- WM	-			
001N015E	- 09	- WM	-			
001N015E	- 16	- WM	-			
001N015E	- 17	- WM	-			
001N015E	- 20	- WM	-			
001N015E	- 21	- WM	-			
001N015E	- 29	- WM	-			
001N015E	- 30	- WM	-			
001N015E	- 31	- WM	-			
001S014E	- 02	- WM	-			
001S014E	- 03	- WM	-			
002N007E	- 01	- WM	-			
002N007E	- 12	- WM	-			
002N007E	- 13	- WM	-			
002N007E	- 14	- WM	-			
002N007E	- 22	- WM	-			
002N008E	- 06	- WM	-			
002N011E	- 01	- WM	-			
002N011E	- 02	- WM	-			
002N012E	- 02	- WM	-			
002N012E	- 03	- WM	-			
002N013E	- 21	- WM	-			
002N013E	- 28	- WM	-			
002N013E	- 33	- WM	-			
002N013E	- 34	- WM	-			
002N013E	- 36	- WM	-			
002N014E	- 15	- WM	-			
002N014E	- 20	- WM	-			
002N014E	- 21	- WM	-			
002N014E	- 25	- WM	-			
002N014E	- 26	- WM	-			
002N014E	- 27	- WM	-			
002N014E	- 28	- WM	-			
002N014E	- 29	- WM	-			
002N014E	- 30	- WM	-			
002N014E	- 31	- WM	-			
002N014E	- 32	- WM	-			
002N014E	- 33	- WM	-			
002N015E	- 13	- WM	-			
002N015E	- 15	- WM	-			
002N015E	- 16	- WM	-			
002N015E	- 17	- WM	-			
002N015E	- 19	- WM	-			
002N015E	- 22	- WM	-			
002N015E	- 23	- WM	-			

- 002N015E - 30 - WM -
- 002N015E - 31 - WM -
- 002N015E - 32 - WM -
- 002N015E - 33 - WM -
- 002N016E - 01 - WM -
- 002N016E - 02 - WM -
- 002N016E - 03 - WM -
- 002N016E - 07 - WM -
- 002N016E - 08 - WM -
- 002N016E - 09 - WM -
- 002N016E - 18 - WM -
- 003N008E - 32 - WM -
- 003N008E - 33 - WM -
- 003N008E - 35 - WM -
- 003N008E - 36 - WM -
- 003N009E - 29 - WM -
- 003N009E - 31 - WM -
- 003N009E - 32 - WM -
- 003N009E - 34 - WM -
- 003N009E - 35 - WM -
- 003N009E - 36 - WM -
- 003N010E - 25 - WM -
- 003N010E - 27 - WM -
- 003N010E - 28 - WM -
- 003N011E - 30 - WM -
- 003N011E - 32 - WM -
- 003N011E - 33 - WM -
- 003N011E - 36 - WM -
- 003N012E - 31 - WM -
- 003N012E - 32 - WM -
- 003N012E - 33 - WM -
- 003N012E - 34 - WM -
- 003N016E - 36 - WM -
- 003N017E - 28 - WM -
- 003N017E - 31 - WM -
- 003N017E - 32 - WM -

Source Feature Uncertainty Type (Distance) [Use Class]
 Data currently not available.

Annual Observations

SFeat ID Date Visit data

Occurrence Data

EO Type:

Min. Elev.(m):

EO Data: 2009: Classified as migration by ODFW.

EO Comments:

Protection:

Management:

References: ODFW

Specimens:

General: Distribution information used in this EOR was derived from ODFW 1:24,000 scale geographic resources data produced and distributed in 2009. Use type was determined by ODFW and other natural resources agency field staff based on survey data, supporting documentation, and the best professional judgement of the field biologists. Unless otherwise noted, the presence of chinook in described areas should be considered undocumented but as having a potential of being present.

Scientific Name: ***Oncorhynchus tshawytscha pop. 22***

EO NUM: 47

Common Name: **Chinook salmon (Lower Columbia River ESU, fall run)**

EO ID: 35680

Federal Status: LT

GRANK: G5T2Q

NHP List: 1

Category: Vertebrate Animal

State Status: SC

SRANK: S2

HP Track: Y

ELCODE: AFCHA0205Y

Confirmed: First Obs: 1999 Last Obs: 2009 EO Rank: E - Verified extant (viability not assessed)

Directions: Columbia River from Bonneville Dam to The Dalles.

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Hood River	CB		170701050406 - Murdock-Columbia River
Multnomah	EC		170701050703 - Indian Creek-Hood River
Wasco	WC		170701051105 - Rowena Creek-Columbia River
			170701051106 - Grays Creek-Columbia River
			170701051204 - Carson Creek-Columbia River

<u>Town/Range</u>	<u>Sect</u>	<u>Meridian</u>	<u>TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
001N013E	- 03	- WM	-	45121-E2	The Dalles South	
002N007E	- 01	- WM	-	45121-F2	The Dalles North	
002N007E	- 12	- WM	-	45121-F3	Lyle	
002N007E	- 14	- WM	-	45121-F4	White Salmon	
002N007E	- 22	- WM	-	45121-F5	Hood River	
002N008E	- 06	- WM	-	45121-F6	Mount Defiance	
002N011E	- 01	- WM	-	45121-F7	Carson	
002N011E	- 02	- WM	-	45121-F8	Bonneville Dam	
002N012E	- 02	- WM	-			
002N012E	- 03	- WM	-			
002N013E	- 08	- WM	-			
002N013E	- 21	- WM	-			
002N013E	- 33	- WM	-			
002N013E	- 34	- WM	-			
003N008E	- 32	- WM	-			
003N008E	- 33	- WM	-			
003N008E	- 34	- WM	-			
003N008E	- 35	- WM	-			
003N008E	- 36	- WM	-			
003N009E	- 29	- WM	-			
003N009E	- 31	- WM	-			
003N009E	- 32	- WM	-			
003N009E	- 34	- WM	-			
003N009E	- 35	- WM	-			
003N009E	- 36	- WM	-			
003N010E	- 25	- WM	-			
003N010E	- 27	- WM	-			
003N010E	- 28	- WM	-			
003N011E	- 30	- WM	-			
003N011E	- 32	- WM	-			
003N011E	- 33	- WM	-			
003N011E	- 36	- WM	-			
003N012E	- 31	- WM	-			
003N012E	- 32	- WM	-			
003N012E	- 33	- WM	-			
003N012E	- 34	- WM	-			

Source Feature Uncertainty Type (Distance) [Use Class] Annual Observations
 Data currently not available.

SFeat ID Date Visit data

Occurrence Data

EO Type: Min. Elev.(m):

EO Data: Classified as migration by ODFW, concurrence of professional opinion.

EO Comments:

Protection:

Management:

References: ODFW

Specimens:

General: DISTRIBUTION INFORMATION USED IN THIS EOR WAS DERIVED FROM ODFW GEOGRAPHIC RESOURCES DATA PRODUCED AND DISTRIBUTED IN 1999. UNLESS SPECIFIC DATA EXISTS IN THE DATA FIELD, THE INFORMATION PRESENTED IN THIS EOR REPRESENTS THE "BEST PROFESSIONAL JUDGMENT" BY ODFW'S DISTRICT FISHERIES BIOLOGIST; THE PRESENCE OF CHINOOK IN DESCRIBED AREAS SHOULD BE CONSIDERED UNDOCUMENTED BUT AS HAVING A POTENTIAL OF BEING PRESENT. Updated with 2009 ODFW 1:24,000 coverage.

Scientific Name: ***Penstemon barrettiae***

EO NUM: 1

Common Name: **Barrett's penstemon**

EO ID: 4802

Federal Status: SOC

GRANK: G2

NHP List: 1

Category: Vascular Plant

State Status: C

SRANK: S2

HP Track: Y

ELCODE: PDSCR1L0R0

Confirmed: Y First Obs: 1882 Last Obs: 2004-04-01 EO Rank: A? - Possibly excellent estimated viability

Directions: MOSIER. VICINITY OF RR TUNNEL 2 MI W OF MOSIER, 3 MI E OF HOOD RIVER. Also, in the Koberg Beach State Park area and the rock quarry, old Mosier-Hood River Hwy. 2004: MP 67.32 to 67.56 on Highway 84 (south side of highway). Park on I-84 ROW, plants are located along fence line and behind fenceline.

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Hood River	EC	State	170701051105 - Rowena Creek-Columbia River
Wasco		Columbia Gorge NSA	
<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
002N011E - 03 - WM -	45121-F4	White Salmon	COLUMBIA GORGE NATIONAL SCENIC AREA (PRIVATE LAND)
002N011E - 04 - WM -			Columbia Oaks State Natural Area
003N011E - 33 - WM -			KOBERG BEACH STATE RECREATION SITE Oregon Dept. of Transportation

<u>Source Feature</u>	<u>Uncertainty Type (Distance) [Use Class]</u>	<u>Annual Observations</u>
4802 - Point	Estimated (200 m)	
46059 - Point	Estimated (50 m)	
46060 - Point	Estimated (50 m)	
46061 - Point	Estimated (50 m)	

<u>SFeat ID</u>	<u>Date</u>	<u>Visit data</u>

Occurrence Data

EO Type:

Min. Elev.(m): 91

EO Data: 2004: 2-3 plants.

EO Comments:

Protection:

Management:

References: Jolley ; Kemp 1993

Specimens:

General: 1986 map, Russ Jolley (3 sites). 1978 sighting, Jean Siddall. 1976 sightings, Kemp plus others. Herbarium collections: 1) Howell, 5-1882, ORE, (On ridges between Hood River and Mosier). 2) Thompson 4203, 5-13-1928, OSC, WTU, TOPOTYPE, (Siwash Flats, 2 mi W of Mosier). 3) Peck, 5-13-1928, WILLU (Siwash Flats, 2 mi. W of Mosier). 4) Thompson 10383, 4-14-1934, OSC, WTU, WILLU, TOPOTYPE (sagebrush scabland, Siwash Flats near Hood River). 5) Mackaness, 5-19-1954, OSC (3 mi E of Hood River). 6) Mackaness, 5-30-1957, OSC (Hood River. Basalt cliffs above RR tunnel E of Hood River). 7) Mackaness, 9-21-1959, OSC, (Mosier. RR right-of-way, near Union Pacific tunnel W of Mosier).

Scientific Name: ***Penstemon barrettiae***

EO NUM: 8

Common Name: **Barrett's penstemon**

EO ID: 5787

Federal Status: SOC

GRANK: G2

NHP List: 1

Category: Vascular Plant

State Status: C

SRANK: S2

HP Track: Y

ELCODE: PDSCR1L0R0

Confirmed: First Obs: 1986 Last Obs: 1986 EO Rank: E - Verified extant (viability not assessed)

Directions: W OF MOSIER. KOBERG BEACH STATE PARK.

<u>County Name</u>	<u>Ecoregion</u>	<u>Owner Name/Type</u>	<u>Watershed</u>
Wasco	EC		170701051105 - Rowena Creek-Columbia River
<u>Town/Range Sect Meridian TRS Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Managed Area Name</u>
003N011E - 03 - WM -	45121-F4	White Salmon	COLUMBIA GORGE NATIONAL SCENIC AREA (PRIVATE LAND)

Key to Oregon Biodiversity Information Center Data

Field Name	Description
Scientific Name	The scientific name of the species.
Common Name	The common name of the species.
Category	Value that indicates the broad biological category for each species.
ELCODE	Unique NatureServe code for identifying this element. 1st and 2nd byte (PD=Plant dict, PM=Plant monocot, PG=Plant gymnosperm, PP=Plant pteridophyte, AA=amphibian, AB=bird, AF=fish, AM=mammal, AR=reptile, I=invertebrate. 3rd-5th byte (family abbreviation). 6th-7th (genus code). 8th-9th (species). 10th (tie breaker).
Federal Status	US Fish and Wildlife Service or NOAA Fisheries status. LE =listed endangered, LT =listed threatened, PE or PT =proposed endangered or threatened, C =candidate for listing with enough information available for listing, SOC or SC =species of concern, PS:xx =partial status for species.
State Status	For animals, Oregon Department of Fish and Wildlife status; LE =listed endangered, PE =proposed endangered, PT =proposed threatened, SC or C =sensitive-critical, SV or V =sensitive-vulnerable, SP or P =sensitive-peripheral, SU or U =sensitive-undetermined status. For plants, Oregon Department of Agriculture status; LE =listed endangered, LT =listed threatened, C =candidate.
GRANK/SRANK	ORNHIC participates in an international system for ranking rare, threatened and endangered species throughout the world. The system was developed by The Nature Conservancy and is now maintained by NatureServe in cooperation with Heritage Programs or Conservation Data Centers (CDCs) in all 50 states, in 4 Canadian provinces, and in 13 Latin American countries. The ranking is a 1-5 scale, primarily based on the number of known occurrences, but also including threats, sensitivity, area occupied, and other biological factors. In this book, the ranks occupy two lines. The top line is the Global Rank and begins with a "G". If the taxon has a trinomial (a subspecies, variety or recognized race), this is followed by a "T" rank indicator. A "Q" at the end of this line indicates the taxon has taxonomic questions. The second line is the State Rank and begins with the letter "S". The ranks are summarized as follows: 1 = Critically imperiled because of extreme rarity or because it is somehow especially vulnerable to extinction or extirpation, typically with 5 or fewer occurrences; 2 = Imperiled because of rarity or because other factors demonstrably make it very vulnerable to extinction (extirpation), typically with 6-20 occurrences; 3 = Rare, uncommon or threatened, but not immediately imperiled, typically with 21-100 occurrences; 4 = Not rare and apparently secure, but with cause for long-term concern, usually with more than 100 occurrences; 5 = Demonstrably widespread, abundant, and secure; H = Historical Occurrence, formerly part of the native biota with the implied expectation that it may be rediscovered; X = Presumed extirpated or extinct; U = Unknown rank; ? = Not yet ranked, or assigned rank is uncertain.
NHP list	All rare species in Oregon are assigned a list number of 1, 2, 3 or 4, where 1 =threatened or endangered throughout range, 2 =threatened or endangered in Oregon but more common elsewhere, 3 =Review List (more information is needed), 4 =Watch List (currently stable). A null value indicates the species is not currently on our rare species list.
HP Track	We currently obtain and computerize locational information for only those elements marked with Y (es). Those species marked with N (o) or W (atch) have incomplete data as we do not actively track them at this time.
EO NUM	The number of the Element Occurrence (EO) for this species. An element occurrence is an area of land or water where the species is or was known to occur and has conservation value. EOs are the main tracking unit for Heritage Programs.
EO ID	Unique identifier for the Element Occurrence (EO). Unique for each occurrence in the database.
First_obs	First reported sighting date for this occurrence in the form YYYY-MM-DD.
Last_obs	Last reported sighting date, usually in the form YYYY-MM-DD.

Key to Oregon Biodiversity Information Center Data

Field Name	Description
Confirmed	Indication of whether taxonomic identification of the Element represented by this occurrence has been confirmed by a reliable individual. Blank=unknown, assumed to be correctly identified. Y=Yes, confident identification. ?=identification questions.
EO Rank	ORNHIC's determination of the viability of the occurrence.
Directions	Site name and/or directions to site.
County	County name(s) in which EO is mapped.
Ecoregion	Physiographic Province in which EO is mapped: CR =Coast Range, WV =Willamette Valley, KM =Klamath Mountains, WC =West slope and crest of the Cascades, EC =East slope of the Cascades, BM =Ochoco, Blue and Wallowa Mts., BR =Basin and Range, CB =Columbia Basin, SP =Snake River Plains. ME =Marine and Estuarine.
Town-Range, Sec, and Note	United States rectangular land survey (also known as the Public Land Survey System) legal township, range, and section descriptions in which the EO is mapped. Township first (4 bytes), range second (4 bytes). For example: 004S029E = Township 4S, Range 29E. All locations are with reference to the Willamette Meridian. Fractional ranges or townships are indicated in the Note field.
Quadcode	USGS code for the USGS topographic quadrangle map(s) where the record is mapped.
Quadname	Name of the USGS topographic quadrangle map(s) where the record is mapped.
Watershed	Watershed(s), identified according to the U.S. Geological Survey (USGS) Hydrologic Unit Map 10-digit code, within which the Element Occurrence is located.
Owner Name/Type	Federal, State, Private, etc.
Managed Area Name	BLM District, USFS Forest, Private Preserve
Annual Observation	Summary of yearly observation.
Source Feature	<p>A Source Feature is the initial translation of a discrete unit of observation data as a spatial feature.</p> <p>Creation of a Source Feature requires an interpretive process. The likely location and extent of an observation is determined through consideration of the amount and direction of any variability between the recorded and actual locations of the observation data. In most cases, the Source Feature is delineated to encompass locational uncertainty.</p> <p>A Source Feature can be a point, line, or polygon. The type of Source Feature developed depends on both the preceding conceptual feature type and the locational uncertainty associated with the feature.</p>
Feature ID	Unique identifier for source feature.
Obs Date	Date of source feature observation.
Source Observation Data	Observations specific to the source feature.

Key to Oregon Biodiversity Information Center Data

Field Name	Description
Uncertainty Type (Distance)	<p>The recorded location of an observation of an Element may vary from its true location due to many factors, including the level of expertise of the data collector, differences in survey techniques and equipment used, and the amount and type of information obtained. This inaccuracy is characterized as locational uncertainty, and is assessed for Source Feature(s) based on the uncertainty associated with the underlying information on the location of the observation.</p> <p>Four categories of locational uncertainty have been identified, as follows:</p> <p><u>Negligible</u> uncertainty is less than or equal to 6.25 meters in any dimension. Source Features with negligible uncertainty are based on a comprehensive field survey with high quality mapping and a high degree of certainty.</p> <p><u>Linear</u> uncertainty is greater than 6.25 meters, and varies along an axis (e.g., a path, stream, ridgeline). The true location of an observation with linear uncertainty may be visualized as effectively sliding along a line that delineates the uncertainty.</p> <p><u>Areal delimited</u> uncertainty is greater than 6.25 meters, and varies in more than one dimension. The true location of an observation can be visualized as floating within an area with a boundary that can be specifically delimited. Boundaries can be defined using roads, bodies of water, etc.</p> <p><u>Areal estimated</u> uncertainty is greater than 6.25 meters, and varies in more than one dimension. A boundary cannot be specifically delimited based on the observation information, i.e., the actual extent is unknown. The true location of the observation can be visualized as floating within an area for which boundaries cannot be specifically delimited. Source Features with areal estimated uncertainty require that the user specify an estimated uncertainty distance to be used for buffering the feature to incorporate the locational uncertainty.</p>
Use Class	How the source feature is used by migratory species (e.g. breeding, maternity colony, hibernaculum).
EO Type	For animals, type of occurrence, e.g. roost, nest, spawning.
EO Data	Summary of species and population biology for the EO – may include number observed, number of sites, reproduction data, assessment of viability, etc.
EO Comments	Habitat information, e.g. aspect, slope, soils, associated species, community type.
Minimum Elevation	Minimum elevation of the area covered by the range of the taxon, in meters. Negative numbers or blank=not determined.
Protection	Comments on protectibility and threats.
Management	Comments on how the site is managed.
Specimens	Details on specimens that have been collected at this occurrence site. Order of information is: Collector (Collector's number). Year collected. Acquisition number. Collection code.
General	Miscellaneous comments.

ATTACHMENT B

USFWS SPECIES LETTER





United States Department of the Interior



FISH AND WILDLIFE SERVICE

Oregon Fish And Wildlife Office
2600 Southeast 98th Avenue, Suite 100
Portland, OR 97266-1398

Phone: (503) 231-6179 Fax: (503) 231-6195

<https://www.fws.gov/oregonfwo/articles.cfm?id=149489416>

In Reply Refer To:

August 02, 2018

Consultation Code: 01EOFW00-2018-SLI-0560

Event Code: 01EOFW00-2018-E-00978

Project Name: UPPR Mosier Depot Property

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to investigate opportunities for incorporating conservation of threatened and endangered species into project planning processes as a means of complying with the Act. If you have questions regarding your responsibilities under the Act, please contact the Endangered Species Division at the Service's Oregon Fish and Wildlife Office at (503) 231-6179. For information regarding listed marine and anadromous species under the jurisdiction of NOAA Fisheries Service, please see their website (http://www.nwr.noaa.gov/habitat/habitat_conservation_in_the_nw/habitat_conservation_in_the_nw.html).

Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Oregon Fish And Wildlife Office
2600 Southeast 98th Avenue, Suite 100
Portland, OR 97266-1398
(503) 231-6179

Project Summary

Consultation Code: 01EOFW00-2018-SLI-0560

Event Code: 01EOFW00-2018-E-00978

Project Name: UPPR Mosier Depot Property

Project Type: DEVELOPMENT

Project Description: This assessment is for a Site Specific Assessment at the former Union Pacific Railroad depot property along Old Highway 30 in Mosier, Oregon. The property is an irregular shape and is bounded on the east by Mosier Creek, on the north by the Union Pacific tracks, the south by Old US Highway 30, and on the west by the Mosier Fruit Growers property. The property does not have a Wasco County tax parcel number. The Mosier Totem Park is present on the property and all other previous structures have been removed. This official species list will inform a federal threatened and endangered species list for the site, prepared in accordance with the Endangered Species Act. This evaluation will be submitted to Oregon DEQ by August 15, 2018.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/45.68448001951821N121.3955754209698W>



Counties: Wasco, OR

Endangered Species Act Species

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Birds

NAME	STATUS
Northern Spotted Owl <i>Strix occidentalis caurina</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1123	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.
