

OREGON NATURAL HERITAGE INFORMATION CENTER



Institute for Natural Resources
1322 SE Morrison Street
Portland, Oregon 97214-2423
503.731.3070
<http://oregonstate.edu/ornhic>

May 17, 2007

Erin Warner
GeoDesign, Inc.
15575 SW Sequoia Parkway, Suite 100
Portland, OR 97224

Dear Ms. Warner:

Thank you for requesting information from the Oregon Natural Heritage Information Center (ORNHC). We have conducted a data system search for rare, threatened and endangered plant and animal records for your Fairview Project in Township 1 North, Range 3 East, Section 27, W.M.

Twenty two (22) records were noted within a two-mile radius of your project and are included on the enclosed computer printout. A key to the fields is also included.

Please remember that the lack of rare element information from a given area does not mean that there are no significant elements there, only that there is no information known to us from the site. To assure that there are no important elements present, you should inventory the site, at the appropriate season.

This data is confidential and for the specific purposes of your project and is **not to be distributed**.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Cliff Alton", with a long horizontal flourish extending to the right.

Cliff Alton
Conservation Information Assistant

encl.: invoice (H-051607-AEW4)
computer printout and data key

Scientific Name: **Acipenser medirostris**

Common Name: **Green sturgeon**

Federal Status: SOC

GRANK: G3

NHP List: 4

Category: Vertebrate Animal

State Status:

SRANK: S3

HP Track: N

ELCODE: AFCAA01030

EO ID: 19198

First Obs:

Last Obs:

Confirmed:

Directions: COLUMBIA RIVER AND ESTUARY, UPSTREAM TO BONNEVILLE DAM. WILLAMETTE RIVER BELOW WILLAMETTE FALLS.

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Clatsop	CR	Line [Linear (8 m)]
Columbia	WC	Line [Linear (8 m)]
Multnomah	WV	

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
008N010W			45121-E8	Tanner Butte	1708000105 - COLUMBIA GORGE TRIBUTARIES W.
008N009W			45121-F8	Bonneville Dam	1708000106 - GORDON CREEK/LOWER SANDY RIVER
008N008W			45122-C5	Oregon City	1708000302 - BEAVER CREEK
009N008W			45122-D5	Gladstone	1708000303 - PLYMPTON CREEK
009N007W			45122-D6	Lake Oswego	1708000601 - YOUNGS BAY TRIBUTARIES
008N006W			45122-E1	Multnomah Falls	1708000602 - BIG CREEK / GNAT CREEK
009N006W			45122-E2	Bridal Veil	1709000704 - ABERNATHEY CREEK
			45122-E3	Washougal	1709001201 - JOHNSON CREEK
			45122-E4	Camas	1709001202 - SCAPPOOSE CREEK/MULTNOMAH CHANNEL
			45122-E5	Mount Tabor	
			45122-E6	Portland	
			45122-E7	Linnton	
			45122-F6	Vancouver	
			45122-F7	Sauvie Island	
			45122-G7	Saint Helens	
			45122-H7	Deer Island	
			46122-A7	Kalama	
			46122-A8	Rainier	
			46122-B8	Kelso	
			46123-B1	Coal Creek	
			46123-B2	Oak Point	
			46123-B3	Nassa Point	
			46123-B4	Cathlamet	
			46123-B6	Cathlamet Bay	
			46123-B7	Astoria	
			46123-B8	Warrenton	
			46123-C4	Skamokawa	
			46123-C5	Grays River	
			46123-C6	Rosburg	
			46124-B1	Clatsop Spit	

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>
STATE		
EO Type:	YEAR-ROUND - fish	Minimum Elev.(m):
EO Data:	NO COLLECTION INFORMATION AVAILABLE. GREEN STURGEON ADULTS ARE ABUNDANT AND THE NUMBERS ARE STABLE IN THE LOWER COLUMBIA RIVER. THEY ARE RARELY FOUND IN THE COLUMBIA RIVER FROM PUGET ISLAND (RM40) UPSTREAM TO BONNEVILLE DAM AND TO WILLAMETTE FALLS IN THE WILLAMETTE RIVER. (1995 ODFW BIENNIAL REPORT ON THE STATUS OF WILD FISH IN OREGON)	
EO Comments:		<u>Annual Observations</u>
Protection:		
Management:		
General:	GREEN STURGEON NOT ABUNDANT IN ANY PACIFIC COAST ESTUARY. LITTLE IS KNOWN ABOUT ITS LIFE HISTORY. THIS SPECIES MORE MARINE ORIENTED THAN WHITE STURGEON AND SPENDS LIMITED AMOUNT OF TIME IN FRESHWATER (EXCEPT PERHAPS EARLY JUVENILES AND SPAWNING ADULTS). B91NOA01ORUS.	

Scientific Name: ***Oncorhynchus keta pop. 3***
 Common Name: **Chum salmon (Columbia River ESU)**
 Federal Status: LT GRANK: G5T2Q
 State Status: SC SRANK: S2
 EO ID: 17661 First Obs:
 Directions: COLUMBIA RIVER & TRIBUTARIES

NHP List: 1 Category: Vertebrate Animal
 HP Track: Y ELCODE: AFCHA02023
 Last Obs: 2000-PRE Confirmed:

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Clatsop		Data currently not available.
Columbia		
Multnomah		

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
			45122-E1	Multnomah Falls	17080001 - Lower Columbia-Sandy
			45122-E2	Bridal Veil	17080003 - Lower Columbia-Clatskanie
			45122-E3	Washougal	17080006 - Lower Columbia
			45122-E4	Camas	
			45122-E5	Mount Tabor	
			45122-E6	Portland	
			45122-F6	Vancouver	
			45122-F7	Sauvie Island	
			45122-G7	Saint Helens	
			45122-H7	Deer Island	
			46122-A7	Kalama	
			46122-A8	Rainier	
			46122-B8	Kelso	
			46123-B1	Coal Creek	
			46123-B2	Oak Point	
			46123-B3	Nassa Point	
			46123-B4	Cathlamet	
			46123-B6	Cathlamet Bay	
			46123-B7	Astoria	
			46123-B8	Warrenton	
			46123-C5	Grays River	
			46123-C6	Rosburg	
			46124-B1	Clatsop Spit	

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>

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

EO Comments:

Protection:

Management:

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 CHUM IN DESCRIBED AREAS SHOULD BE CONSIDERED UNDOCUMENTED BUT AS HAVING A POTENTIAL OF BEING PRESENT.

Scientific Name: ***Oncorhynchus kisutch pop. 1***
 Common Name: **Coho salmon (Lower Columbia River ESU)**
 Federal Status: LT GRANK: G4T2Q
 State Status: LE SRANK: S2
 EO ID: 16674 First Obs:
 Directions: COLUMBIA RIVER & TRIBUTARIES

NHP List: 1 Category: Vertebrate Animal
 HP Track: Y ELCODE: AFCHA02031
 Last Obs: 1999-PRE Confirmed:

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Columbia		Data currently not available.
Hood River		
Multnomah		
Wasco		

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
			45121-E1	Petersburg	17070105 - Middle Columbia-Hood
			45121-E2	The Dalles South	17080001 - Lower Columbia-Sandy
			45121-E8	Tanner Butte	17090012 - Lower Willamette
			45121-F2	The Dalles North	
			45121-F3	Lyle	
			45121-F4	White Salmon	
			45121-F5	Hood River	
			45121-F6	Mount Defiance	
			45121-F7	Carson	
			45121-F8	Bonneville Dam	
			45122-E1	Multnomah Falls	
			45122-E2	Bridal Veil	
			45122-E3	Washougal	
			45122-E4	Camas	
			45122-E5	Mount Tabor	
			45122-E6	Portland	
			45122-F6	Vancouver	
			45122-F7	Sauvie Island	
			45122-G7	Saint Helens	

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>
EO Type: MIGRATION - fish	Minimum Elev.(m):	<u>Annual Observations</u>
EO Data: ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.		
EO Comments:		
Protection:		
Management:		
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.		

Scientific Name: ***Oncorhynchus kisutch pop. 1***
 Common Name: **Coho salmon (Lower Columbia River ESU)**
 Federal Status: LT GRANK: G4T2Q NHP List: 1 Category: Vertebrate Animal
 State Status: LE SRANK: S2 HP Track: Y ELCODE: AFCHA02031
 EO ID: 27570 First Obs: Last Obs: 2001-PRE Confirmed:
 Directions: Fairview Lake and tributary

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Multnomah	WV	Data currently not available.

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
001N003E	27		45122-E4	Camas	1709001202 - SCAPPOOSE CREEK/MULTNOMAH CHANNEL
001N003E	20				
001N003E	21				
001N003E	22				
001N003E	28				

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>
EO Type:	Minimum Elev.(m):	<u>Annual Observations</u>
EO Data: ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.		
EO Comments: Previous/historic use.		
Protection:		
Management:		
General: Distribution information used in this EOR was derived from ODFW geographic resources data produced and distributed in 2004. 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.		

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

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

Federal Status: LT	GRANK: G4T2Q	NHP List: 1	Category: Vertebrate Animal
State Status: LE	SRANK: S2	HP Track: Y	ELCODE: AFCHA02031
EO ID: 27576	First Obs:	Last Obs: 2001	Confirmed:

Directions: Sandy River and streams near north end of Gary Island and south end of Flag Island.

<u>County Name</u>			<u>Ecoregion</u>		<u>Source Feature [Uncertainty Type (Distance)]</u>
Multnomah			WV		Data currently not available.
<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
001N003E	14		45122-E3	Washougal	1708000105 - COLUMBIA GORGE TRIBUTARIES W.
001N003E	24		45122-E4	Camas	1708000106 - GORDON CREEK/LOWER SANDY RIVER
001N004E	20				
001N003E	25				
001N004E	19				
001N003E	23				
001S003E	01				
001N003E	36				
001N004E	30				
001N004E	29				
001N004E	31				
001S004E	06				

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>
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EO Type:	Minimum Elev.(m):	<u>Annual Observations</u>
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EO Data: ODFW distribution maps used to create 1:24,000 coverage.

EO Comments: Rearing and migration use.

Protection:

Management:

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.

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

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

Federal Status: LT	GRANK: G4T2Q	NHP List: 1	Category: Vertebrate Animal
State Status: LE	SRANK: S2	HP Track: Y	ELCODE: AFCHA02031
EO ID: 27577	First Obs:	Last Obs: 2002	Confirmed:

Directions: Beaver Creek and Kelly Creek

<u>County Name</u>			<u>Ecoregion</u>		<u>Source Feature [Uncertainty Type (Distance)]</u>
Multnomah			WV		Data currently not available.
<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
001S003E	11		45122-D3	Sandy	1708000106 - GORDON CREEK/LOWER SANDY RIVER
001S003E	02		45122-D4	Damascus	
001N003E	25		45122-E4	Camas	
001S004E	07				
001S004E	17				
001S004E	18				
001N003E	36				
001S003E	01				
001S003E	12				

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>
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EO Type:	Minimum Elev.(m):	<u>Annual Observations</u>
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EO Data: ODFW distribution maps used to create 1:24,000 coverage.

EO Comments: Spawning and rearing use. In 2002 Kelly Creek was updated to previous/historic use.

Protection:

Management:

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.

Scientific Name: ***Oncorhynchus tshawytscha pop. 21***

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

Federal Status: LT	GRANK: G5T2Q	NHP List: 1	Category: Vertebrate Animal
State Status: SC	SRANK: S2	HP Track: Y	ELCODE: AFCHA0205W
EO ID: 12375	First Obs:	Last Obs: 1999-PRE	Confirmed:

Directions: COLUMBIA RIVER & TRIBUTARY

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Clatsop		Data currently not available.

Columbia
Hood River
Multnomah

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
			45121-E8	Tanner Butte	17070105 - Middle Columbia-Hood
			45121-F5	Hood River	17080001 - Lower Columbia-Sandy
			45121-F6	Mount Defiance	17080003 - Lower Columbia-Clatskanie
			45121-F7	Carson	17080006 - Lower Columbia
			45121-F8	Bonneville Dam	17090012 - Lower Willamette
			45122-E1	Multnomah Falls	
			45122-E2	Bridal Veil	
			45122-E3	Washougal	
			45122-E4	Camas	
			45122-E5	Mount Tabor	
			45122-E6	Portland	
			45122-F6	Vancouver	
			45122-F7	Sauvie Island	
			45122-G7	Saint Helens	
			45122-H7	Deer Island	
			46122-A7	Kalama	
			46122-A8	Rainier	
			46122-B8	Kelso	
			46123-B1	Coal Creek	
			46123-B2	Oak Point	
			46123-B3	Nassa Point	
			46123-B4	Cathlamet	
			46123-B5	Knappa	
			46123-B6	Cathlamet Bay	
			46123-B7	Astoria	
			46123-B8	Warrenton	
			46123-C4	Skamokawa	
			46123-C5	Grays River	
			46123-C6	Rosburg	
			46124-B1	Clatsop Spit	

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>
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EO Type: MIGRATION - fish	Minimum Elev.(m):	<u>Annual Observations</u>
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EO Data: SPRING RUN; ODFW DISTRIBUTION MAPS USED TO
CREATE THE 1:24,000 COVERAGE

EO Comments:

Protection:

Management:

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.

Scientific Name: ***Oncorhynchus tshawytscha pop. 21***Common Name: **Chinook salmon (Lower Columbia River ESU, spring run)**

Federal Status: LT GRANK: G5T2Q NHP List: 1 Category: Vertebrate Animal

State Status: SC SRANK: S2 HP Track: Y ELCODE: AFCHA0205W

EO ID: 19065 First Obs: Last Obs: 1999-PRE Confirmed:

Directions: SANDY RIVER

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Clackamas		Data currently not available.
Multnomah		

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
			45122-D2	Bull Run	17080001 - Lower Columbia-Sandy
			45122-D3	Sandy	
			45122-E3	Washougal	
			45122-E4	Camas	

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>
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EO Type: REARING & MIGRATION - fish Minimum Elev.(m): Annual ObservationsEO Data: SPRING RUN; ODFW DISTRIBUTION MAPS USED TO
CREATE THE 1:24,000 COVERAGE

EO Comments:

Protection:

Management:

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.

Scientific Name: ***Oncorhynchus tshawytscha pop. 22***Common Name: **Chinook salmon (Lower Columbia River ESU, fall run)**

Federal Status: LT GRANK: G5T2Q NHP List: 1 Category: Vertebrate Animal

State Status: SC SRANK: S2 HP Track: Y ELCODE: AFCHA0205Y

EO ID: 11203 First Obs: Last Obs: 1999-PRE Confirmed:

Directions: SANDY RIVER & TRIBUTARIES

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Clackamas		Data currently not available.
Multnomah		

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
			45122-D2	Bull Run	17080001 - Lower Columbia-Sandy
			45122-D3	Sandy	
			45122-E3	Washougal	
			45122-E4	Camas	

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>
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EO Type: SPAWNING & REARING - fish Minimum Elev.(m): Annual ObservationsEO Data: FALL RUN; ODFW DISTRIBUTION MAPS USED TO CREATE
THE 1:24,000 COVERAGE

EO Comments:

Protection:

Management:

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. SANDY RIVER FISH HATCHERY IS LOCATED ON CEDAR CREEK NEAR THE CONFLUENCE WITH THE SANDY RIVER.

Scientific Name: ***Oncorhynchus tshawytscha pop. 22***Common Name: **Chinook salmon (Lower Columbia River ESU, fall run)**

Federal Status: LT GRANK: G5T2Q NHP List: 1 Category: Vertebrate Animal

State Status: SC SRANK: S2 HP Track: Y ELCODE: AFCHA0205Y

EO ID: 14137 First Obs: Last Obs: 1999-PRE Confirmed:

Directions: COLUMBIA RIVER & TRIBUTARIES

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Clatsop		Data currently not available.
Columbia		
Hood River		
Multnomah		

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
			45121-E8	Tanner Butte	17070105 - Middle Columbia-Hood
			45121-F5	Hood River	17080001 - Lower Columbia-Sandy
			45121-F6	Mount Defiance	17080003 - Lower Columbia-Clatskanie
			45121-F7	Carson	17080006 - Lower Columbia
			45121-F8	Bonneville Dam	17090012 - Lower Willamette
			45122-E1	Multnomah Falls	
			45122-E2	Bridal Veil	
			45122-E3	Washougal	
			45122-E4	Camas	
			45122-E5	Mount Tabor	
			45122-E6	Portland	
			45122-F6	Vancouver	
			45122-F7	Sauvie Island	
			45122-G7	Saint Helens	
			45122-H7	Deer Island	
			46122-A7	Kalama	
			46122-A8	Rainier	
			46122-B8	Kelso	
			46123-B1	Coal Creek	
			46123-B2	Oak Point	
			46123-B3	Nassa Point	
			46123-B4	Cathlamet	
			46123-B5	Knappa	
			46123-B6	Cathlamet Bay	
			46123-B7	Astoria	
			46123-B8	Warrenton	
			46123-C4	Skamokawa	
			46123-C5	Grays River	
			46123-C6	Rosburg	
			46124-B1	Clatsop Spit	

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>
EO Type: MIGRATION - fish	Minimum Elev.(m):	<u>Annual Observations</u>
EO Data: FALL RUN; ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE		
EO Comments:		
Protection:		
Management:		
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.	

Scientific Name: ***Oncorhynchus clarkii pop. 2***
 Common Name: **Coastal cutthroat trout (Southwestern Washington/Columbia River ESU)**
 Federal Status: SOC GRANK: G4T3Q NHP List: 1 Category: Vertebrate Animal
 State Status: SC SRANK: S2 HP Track: Y ELCODE: AFCHA0208F
 EO ID: 13624 First Obs: Last Obs: 2001-PRE Confirmed:
 Directions: COLUMBIA RIVER

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Clatsop		Data currently not available.
Columbia		
Hood River		
Multnomah		
Wasco		

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
			45121-E2	The Dalles South	1707010504 - COLUMBIA GORGE TRIBS E.
			45121-E8	Tanner Butte	1707010505 - HOOD RIVER MAIN STEM TRIBS
			45121-F2	The Dalles North	1707010506 - MILL CREEK
			45121-F3	Lyle	1707010507 - FIVE MILE CREEK
			45121-F4	White Salmon	1708000105 - COLUMBIA GORGE TRIBUTARIES W.
			45121-F5	Hood River	1708000106 - GORDON CREEK/LOWER SANDY RIVER
			45121-F6	Mount Defiance	1708000302 - BEAVER CREEK
			45121-F7	Carson	1708000303 - PLYMPTON CREEK
			45121-F8	Bonneville Dam	1708000601 - YOUNGS BAY TRIBUTARIES
			45122-E1	Multnomah Falls	1708000602 - BIG CREEK / GNAT CREEK
			45122-E2	Bridal Veil	1709001202 - SCAPPOOSE CREEK/MULTNOMAH CHANNEL
			45122-E3	Washougal	
			45122-E4	Camas	
			45122-E5	Mount Tabor	
			45122-E6	Portland	
			45122-F6	Vancouver	
			45122-F7	Sauvie Island	
			45122-G7	Saint Helens	
			45122-H7	Deer Island	
			46122-A7	Kalama	
			46122-A8	Rainier	
			46122-B8	Kelso	
			46123-B1	Coal Creek	
			46123-B2	Oak Point	
			46123-B3	Nassa Point	
			46123-B4	Cathlamet	
			46123-B6	Cathlamet Bay	
			46123-B7	Astoria	
			46123-B8	Warrenton	
			46123-C4	Skamokawa	
			46123-C5	Grays River	
			46123-C6	Rosburg	
			46124-B1	Clatsop Spit	

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>
EO Type: MIGRATION - fish	Minimum Elev.(m):	<u>Annual Observations</u>
EO Data: SEA-RUN.		
EO Comments:		
Protection:		
Management:		
General:		

Scientific Name: ***Oncorhynchus mykiss pop. 26***
 Common Name: **Steelhead (Lower Columbia River ESU, summer run)**
 Federal Status: LT GRANK: G5T2Q NHP List: 1 Category: Vertebrate Animal
 State Status: SC SRANK: S2 HP Track: Y ELCODE: AFCHA02131
 EO ID: 19899 First Obs: Last Obs: 1999-PRE Confirmed:
 Directions: COLUMBIA RIVER & TRIBUTARIES

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Columbia		Data currently not available.
Hood River		
Multnomah		

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
			45121-E8	Tanner Butte	17070105 - Middle Columbia-Hood
			45121-F5	Hood River	17080001 - Lower Columbia-Sandy
			45121-F6	Mount Defiance	17090012 - Lower Willamette
			45121-F7	Carson	
			45121-F8	Bonneville Dam	
			45122-E1	Multnomah Falls	
			45122-E2	Bridal Veil	
			45122-E3	Washougal	
			45122-E4	Camas	
			45122-E5	Mount Tabor	
			45122-E6	Portland	
			45122-F6	Vancouver	
			45122-F7	Sauvie Island	
			45122-G7	Saint Helens	

Owner Name/Type Owner Comments Managed Area Name

EO Type: MIGRATION - fish Minimum Elev.(m): Annual Observations

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

EO Comments:

Protection:

Management:

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. 27***

Common Name: **Steelhead (Lower Columbia River ESU, winter run)**

Federal Status: LT GRANK: G5T2Q NHP List: 1 Category: Vertebrate Animal

State Status: SC SRANK: S2 HP Track: Y ELCODE: AFCHA02132

EO ID: 2730 First Obs: Last Obs: 1999-PRE Confirmed:

Directions: SANDY RIVER & TRIBUTARIES

County Name Ecoregion Source Feature [Uncertainty Type (Distance)]

Clackamas Data currently not available.

Multnomah

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
			45121-B8	High Rock	17080001 - Lower Columbia-Sandy
			45121-C7	Government Camp	
			45121-C8	Rhododendron	
			45121-D7	Bull Run Lake	
			45121-D8	Hickman Butte	
			45122-C1	Salmon	
			45122-D1	Brightwood	
			45122-D2	Bull Run	
			45122-D3	Sandy	
			45122-D4	Damascus	
			45122-E2	Bridal Veil	
			45122-E3	Washougal	
			45122-E4	Camas	

Owner Name/Type Owner Comments Managed Area Name

EO Type: SPAWNING & REARING - fish Minimum Elev.(m): Annual Observations

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

EO Comments:

Protection:

Management:

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. SANDY RIVER FISH HATCHERY IS LOCATED ON CEDAR CREEK NEAR THE CONFLUENCE WITH THE SANDY RIVER.

Scientific Name: ***Oncorhynchus mykiss pop. 27***

Common Name: **Steelhead (Lower Columbia River ESU, winter run)**

Federal Status: LT	GRANK: G5T2Q	NHP List: 1	Category: Vertebrate Animal
State Status: SC	SRANK: S2	HP Track: Y	ELCODE: AFCHA02132
EO ID: 13653	First Obs:	Last Obs: 1999-PRE	Confirmed:

Directions: COLUMBIA RIVER & TRIBUTARIES

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Columbia		Data currently not available.
Hood River		
Multnomah		

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
			45121-E8	Tanner Butte	17070105 - Middle Columbia-Hood
			45121-F5	Hood River	17080001 - Lower Columbia-Sandy
			45121-F6	Mount Defiance	17090012 - Lower Willamette
			45121-F7	Carson	
			45121-F8	Bonneville Dam	
			45122-E1	Multnomah Falls	
			45122-E2	Bridal Veil	
			45122-E3	Washougal	
			45122-E4	Camas	
			45122-E5	Mount Tabor	
			45122-E6	Portland	
			45122-F6	Vancouver	
			45122-F7	Sauvie Island	
			45122-G7	Saint Helens	

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>
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EO Type: MIGRATION - fish	Minimum Elev.(m):	<u>Annual Observations</u>
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EO Data: WINTER RUN: ODFW DISTRIBUTION MAPS USED TO CREATE THE 1:24,000 COVERAGE.

EO Comments:

Protection:

Management:

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: ***Chrysemys picta***

Common Name: **Painted turtle**

Federal Status:	GRANK: G5	NHP List: 2	Category: Vertebrate Animal
State Status: SC	SRANK: S2	HP Track: Y	ELCODE: ARAAD01010
EO ID: 13355	First Obs: 1992-08-20	Last Obs: 1993-07-29	Confirmed:

Directions: FAIRVIEW LAKE, E END, N SHORE OF CANAL.

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Multnomah	WV	Point [Areal - Estimated (50 m)]

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
001N003E	21		45122-E4	Camas	1709001202 - SCAPPOOSE CREEK/MULTNOMAH CHANNEL

<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>
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EO Type:	Minimum Elev.(m): 3	<u>Annual Observations</u>
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EO Data: 1993: 1 INDIVIDUAL OBSERVED. 1992: 6 TURTLES, 2 LARGE, 4 SMALL.

EO Comments:

Protection:

Management:

General: OBSERVER: ADRIA SPURR AND ALICE GOULD (1992).

Scientific Name: ***Chrysemys picta***Common Name: **Painted turtle**

Federal Status:	GRANK: G5	NHP List: 2	Category: Vertebrate Animal
State Status: SC	SRANK: S2	HP Track: Y	ELCODE: ARAAD01010
EO ID: 15258	First Obs: 1992-05	Last Obs: 1992-05	Confirmed:

Directions: SANDY RIVER DELTA, CELL 53

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>			
Multnomah	WV	Line [Linear (8 m)]			
<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
001N003E	14		45122-E4	Camas	1708000106 - GORDON CREEK/LOWER SANDY RIVER 1709001202 - SCAPPOOSE CREEK/MULTNOMAH CHANNEL
<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>			
PRIVATE					
EO Type:	Minimum Elev.(m): 6	<u>Annual Observations</u>			
EO Data: 1992: 25 INDIVIDUALS OBSERVED					
EO Comments:					
Protection:					
Management:					
General: OBSERVER: BRAINERD, DICK					

Scientific Name: ***Actinemys marmorata marmorata***Common Name: **Northern Pacific pond turtle**

Federal Status: SOC	GRANK: G3G4T3Q	NHP List: 2	Category: Vertebrate Animal
State Status: SC	SRANK: S2	HP Track: Y	ELCODE: ARAAD02031
EO ID: 6229	First Obs: 1993-08-19	Last Obs: 1993-08-19	Confirmed:

Directions: "SUNDIAL BEACH" NEAR TROUTDALE AIRPORT OFF MARINE DRIVE; ALONG THE COLUMBIA RIVER.

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>			
Multnomah	WV	Line [Linear (8 m)]			
<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
001N003E	14		45122-E4	Camas	1708000106 - GORDON CREEK/LOWER SANDY RIVER 1709001202 - SCAPPOOSE CREEK/MULTNOMAH CHANNEL
<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>			
EO Type:	Minimum Elev.(m): 6	<u>Annual Observations</u>			
EO Data: 1993: 5 TURTLES					
EO Comments: OXBOW					
Protection:					
Management:					
General: HOLLAND SITE #OR318W					

Scientific Name: ***Actinemys marmorata marmorata***Common Name: **Northern Pacific pond turtle**

Federal Status: SOC	GRANK: G3G4T3Q	NHP List: 2	Category: Vertebrate Animal
State Status: SC	SRANK: S2	HP Track: Y	ELCODE: ARAAD02031
EO ID: 14598	First Obs: 1992	Last Obs: 1992-08-20	Confirmed:

Directions: FAIRVIEW LAKE, SE CORNER IN RASPBERRY BAY, W SHORE.

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>			
Multnomah	WV	Point [Areal - Estimated (50 m)]			
<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
001N003E	21		45122-E4	Camas	1709001202 - SCAPPOOSE CREEK/MULTNOMAH CHANNEL
<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>			
EO Type:	Minimum Elev.(m): 3	<u>Annual Observations</u>			
EO Data: ONE TURTLE, ON SNAG THEN DROPPED INTO WATER.					
EO Comments:					
Protection:					
Management:					

General: 1992 WILDLIFE OBSERVATION DATA SHEET; JANE GRAYBILL, FRIENDS OF BLUE AND FAIRVIEW LAKES.

Scientific Name: *Delphinium nuttallii*

Common Name: Nuttall's larkspur

Federal Status: GRANK: G4 NHP List: 2 Category: Vascular Plant
State Status: SRANK: S1 HP Track: Y ELCODE: PDRAN0B180

EO ID: 5528 First Obs: 1982-06-08 Last Obs: 1982-06-08 Confirmed:

Directions: TROUTDALE. SPRINGDALE HWY BTWN STARK STREET & WOODARD RD. ROADSIDES AND SLOPES ABOVE SANDY RIVER.

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>			
Multnomah	WV	Point [Areal - Estimated (4000 m)]			
<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
001N004E	31		45122-E3	Washougal	1708000106 - GORDON CREEK/LOWER SANDY RIVER
<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>			

EO Type: Minimum Elev.(m): 213 Annual Observations

EO Data: 20-30 PLANTS SEEN

EO Comments: ROADSIDES AND SLOPES ABOVE SANDY RIVER, WITH PSEUDOTSUGA, POPULUS, ACER MACROPHYLLUM, RHAMNUS PURSHIANA, RUBUS PARVIFLORUS, PTERIDIUM, MARAH, TELLIMA.

Protection:

Management:

General: HERBARIUM COLLECTION

Scientific Name: *Delphinium leucophaeum*

Common Name: White rock larkspur

Federal Status: SOC GRANK: G4T2 NHP List: 1 Category: Vascular Plant
State Status: LE SRANK: S2 HP Track: Y ELCODE: PDRAN0B182

EO ID: 3005 First Obs: 1928 Last Obs: 1928-06-17 Confirmed: Y

Directions: SHADY BANK OF SANDY RIVER AT COLUMBIA HIGHWAY

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>			
Multnomah	WV	Point [Areal - Estimated (1500 m)]			
<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
001S003E	01		45122-E3	Washougal	1708000105 - COLUMBIA GORGE TRIBUTARIES W.
001N004E	31		45122-E4	Camas	1708000106 - GORDON CREEK/LOWER SANDY RIVER
001N004E	30				
001S004E	06				
001N003E	25				
001N003E	36				
001N004E	32				
<u>Owner Name/Type</u>	<u>Owner Comments</u>	<u>Managed Area Name</u>			

EO Type: Minimum Elev.(m): 30 Annual Observations

EO Data: HERBARIUM COLLECTION: M E PECK, 6-17-28, WILLU. IN FLOWER & FRUIT. #13737. PLANTS NOT RELOCATED IN 3 SEARCHES DURING 1980-86.

EO Comments:

Protection:

Management:

General:

Scientific Name: *Sullivantia oregana*

Common Name: Oregon sullivantia

Federal Status: SOC GRANK: G2 NHP List: 1 Category: Vascular Plant
State Status: C SRANK: S2 HP Track: Y ELCODE: PDSAX0X020

EO ID: 23928 First Obs: 1984 Last Obs: 1984-04-24 Confirmed:

Directions: BELOW BROUGHTON BLUFF, E OF LEWIS & CLARK STATE PARK. ABOUT 1.5 MI. W OF CROWN POINT STATE PARK.

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>
Multnomah	WV	Polygon [Areal - Delimited (8 m)]

<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
001N004E	29		45122-E3	Washougal	1708000105 - COLUMBIA GORGE TRIBUTARIES W.
001N004E	30				
<u>Owner Name/Type</u>			<u>Owner Comments</u>		<u>Managed Area Name</u>
COLUMBIA GORGE NSA					COLUMBIA GORGE NATIONAL SCENIC AREA (PUBLIC LAND)
EO Type:			Minimum Elev.(m): 61		<u>Annual Observations</u>
EO Data: ELEVATION RANGES FROM 140-400. ROCKY CLIFFS & BENCHES IN VICINITY OF RAILROAD & HWY. PROPOSED SITE OF COLUMBIA GORGE TRAIL.					
EO Comments: STEEP N-FACING SLOPES FACING COLUMBIA RIVER					
Protection:					
Management:					
General: SPECIES INCLUDED IN LOIS KEMP'S LIST FOR THE AREA COMPILED IN 1984.					

Scientific Name: ***Scirpus cyperinus***
 Common Name: **Cottongrass bullrush**
 Federal Status: GRANK: G5 NHP List: Category: Vascular Plant
 State Status: SRANK: SU HP Track: N ELCODE: PMCYP0Q0F0
 EO ID: 23681 First Obs: 1992-04-21 Last Obs: 1992-04-21 Confirmed:
 Directions: W OF SANDY RIVER AND N OF INTERSTATE 84

<u>County Name</u>	<u>Ecoregion</u>	<u>Source Feature [Uncertainty Type (Distance)]</u>			
Multnomah	WV	Point [Areal - Estimated (400 m)]			
<u>Town-Range</u>	<u>Sec</u>	<u>Note</u>	<u>QuadCode</u>	<u>QuadName</u>	<u>Watershed</u>
001N003E	25		45122-E4	Camas	1708000106 - GORDON CREEK/LOWER SANDY RIVER
<u>Owner Name/Type</u>			<u>Owner Comments</u>		<u>Managed Area Name</u>
					COLUMBIA GORGE NATIONAL SCENIC AREA (PRIVATE LAND)
EO Type:			Minimum Elev.(m): 6		<u>Annual Observations</u>
EO Data: 360 CLUMPS (GENETS) EST., SCATTERED IN 1 ACRE. 100% VEGETATIVE. 10-15% WITH 1991 FRUIT.					
EO Comments: OPENINGS IN POPULUS TRICHOCARPA WOODS. EDGE OF SPIRAEA DOUGLASII/SALIX SITCHENSIS THICKETS. IN MUCK, FORMERLY SHALLOW WATER OF VERNAL PONDS. ASPECT AND SLOPE FLAT. MOSS/LICHEN LAYER ABSENT. HERB LAYER, LIGHT COVER OF JUNCUS ACUMINATUS, J. EFFUSUS, VERONICA, POLYGONUM AMPHIBIUM, PHALARIS ARUNDINACEA, CAREX OBNUPTA (NOT COMMON), CAREX SPP. LOW SHRUB LAYER, COVER MODERATE TO DENSE OF SPIRAEA DOUGLASII. HIGH SHRUB LAYER, MODERATE COVER OF SALIX SITCHENSIS. TREE LAYER, LIGHT CANOPY COVER OF SALIX LASIANDRA.					
Protection: THREATS: SHRUB SUCCESSION, WEED INVASION					
Management:					
General: 1992 SIGHTING REPORTS; PETER ZIKA REPORTER					

22 records total

Key to Oregon Natural Heritage 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 Heritage Program 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	ORNHC 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 because we do not actively track them at this time.
EO ID	Unique identifier for the Element Occurrence (EO).
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.
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.
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.

Key to Oregon Natural Heritage Information Center Data

Field Name	Description
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>
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>
Town-Range, Sec, and Note	United States rectangular land survey (also known as the Public Land Survey System) legal township, range, and section descriptions that best define the location of the Element Occurrence. 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 and Comments	Federal, State, Private, etc.
Managed Area Name	BLM District, USFS Forest, Private Preserve
EO Type	For animals, type of occurrence, eg. roost, nest, spawning, etc.
EO Data	Species and population biology - numbers, age, nesting success, vigor, phenology, disease, pollinators, etc.
EO Comments	Habitat information, e.g. aspect, slope, soils, associated species, community type, etc.
Minimum Elevation	Minimum elevation of the area covered by the range of the taxon, in meters. -339 or blank=not determined.
Annual Observation	Summary of yearly observation.
Protection	Comments on protectibility and threats.
Management	Comments on how the site is managed.
General	Miscellaneous comments.