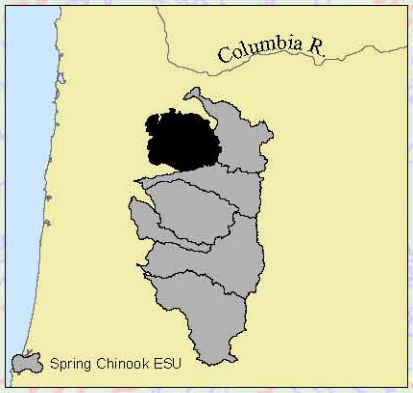
Molalla River
Accessibility

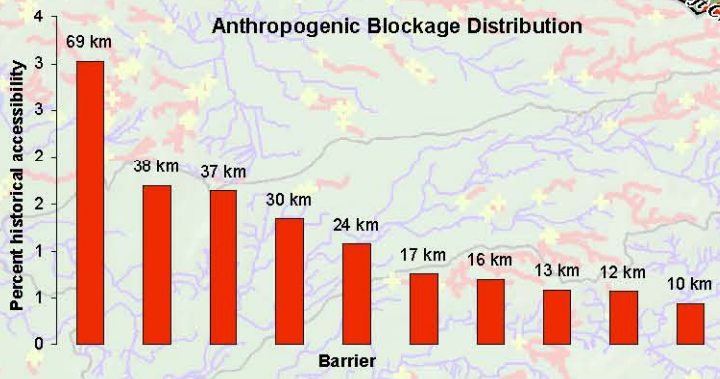
Current accessibility
Historical accessibility
Above natural barriers

0 4 8 12 16
Km

Upper Willamette Spring Chinook Salmon

Mission Creek
Champoeg Creek
West Champoeg Creek
Case Creek
Seneca Creek
Deer Creek
Mill Creek
Brandy Creek
Milk Creek
Gribble Creek
Wheeler Creek
Bear Creek
Buckner Creek
Cedar Creek
Nate Creek
Bittner Creek
Jackson Creek
Kaiser Creek
Rock Creek
Woodcock Creek
Canyon Creek
Drescher Creek
Teasel Creek
Garrett Creek
Zollner Creek
Butte Creek
Dead Horse Canyon Creek
North Fork Molalla River
Lukens Creek
Cougar Creek
Jones Ditch
Little Pudding River
Walker Ditch
Lake Labish Ditch
Howell Prairie Creek
Evans Creek
Beaver Creek
Trout Creek
Pine Creek
Alder Creek
Coal Creek
Bear Creek
Brush Creek
Silver Creek
Powers Creek
Abiqua Creek
Fall Creek
Table Rock Fork Molalla River
Losy Creek
Drift Creek
Pudding River
Gawley Creek
Fraitland Creek
Bridge Creek
Kirk Creek
Copper Creek
West Fork Drift Creek
North Fork Silver Creek
Wildcat Creek
Smith Creek





Accessibility	Stream km	% total
Current accessibility	1,330	58
Historical accessibility	2,104	92
Above natural barriers	175	8
Total streams	2,279	
Current / Historical		**63**

1:345,000

Molalla River

Molalla River

Accessibility

Current accessibility

Historical accessibility

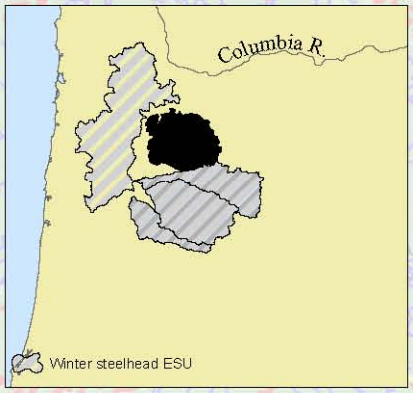
Above natural barriers

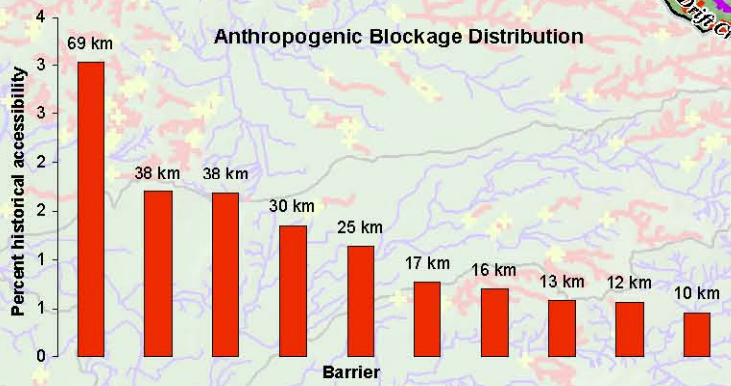
0 4 8 12 16

Km

Upper Willamette Winter Steelhead

Mission Creek
Champoeg Creek
West Champoeg Creek
Case Creek
Seneca Creek
Deer Creek
Mill Creek
Brandy Creek
Milk Creek
Buckner Creek
Cedar Creek
Gribble Creek
Wheeler Creek
Bear Creek
Nate Creek
Bittner Creek
Jackson Creek
Kaiser Creek
Rock Creek
Woodcock Creek
Canyon Creek
Drescher Creek
Teasel Creek
Garrett Creek
Dead Horse Canyon Creek
North Fork Molalla River
Lukens Creek
Zollner Creek
Butte Creek
Cougar Creek
Jones Ditch
Little Pudding River
Walker Ditch
Trout Creek
Lake Labish Ditch
Evans Creek
Beaver Creek
Pine Creek
Alder Creek
Coal Creek
Bear Creek
Lost Creek
Howell Prairie Creek
Brush Creek
Silver Creek
Powers Creek
Table Rock Fork Molalla River
Fall Creek
Abiqua Creek
Drift Creek
Gawley Creek
Fraitland Creek
Pudding River
Bridge Creek
Kirk Creek
Copper Creek
West Fork Drift Creek
North Fork Silver Creek
Wildcat Creek
Smith Creek





Accessibility	Stream km	% total
Current accessibility	1,486	59
Historical accessibility	2,297	91
Above natural barriers	227	9
Total streams	2,524	
Current / Historical		**65**

1:345,000

Molalla River

2002 303(d) Listed Water Courses

PARAMETER

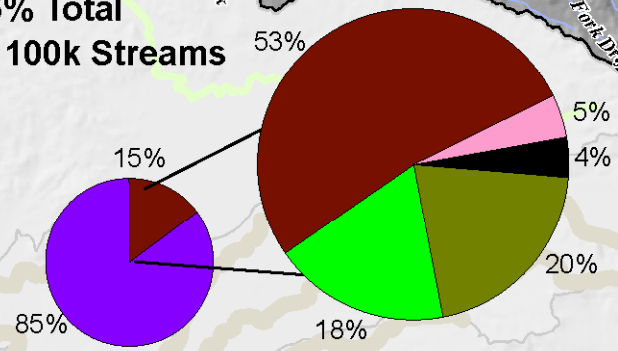
- Arsenic; Chlordane; Iron; Manganese; Nitrates
- DDT; Dieldrin
- Fecal Coliform
- Temperature

0 4 8 12 16
Km

Upper Willamette Winter Steelhead
Upper Willamette Spring Chinook Salmon

Mission Creek
Champoeg Creek
West Champoeg Creek
Case Creek
Senecal Creek
Deer Creek
Mill Creek
Brandy Creek
Milk Creek
Buckner Creek
Cedar Creek
Gribble Creek
Wheeler Creek
Bear Creek
Nate Creek
Bittner Creek
Jackson Creek
Kaiser Creek
Rock Creek
Woodcock Creek
Canyon Creek
Drescher Creek
Teasel Creek
Garrett Creek
Dead Horse Canyon Creek
North Fork Molalla River
Lukens Creek
Cougar Creek
Follner Creek
Bute Creek
Jones Ditch
Little Pudding River
Walker Ditch
Trout Creek
Lake Labish Ditch
Evans Creek
Beaver Creek
Pine Creek
Howell Prairie Creek
Alder Creek
Coal Creek
Bear Creek
Lost Creek
Brush Creek
Silver Creek
Powers Creek
Table Rock Fork Molalla River
Abiqua Creek
Fall Creek
Drift Creek
Gawley Creek
Pudding River
Fruitland Creek
Bridge Creek
Kirk Creek
Copper Creek
North Fork Silver Creek
Wildcat Creek
West Fork Drift Creek
Smith Creek

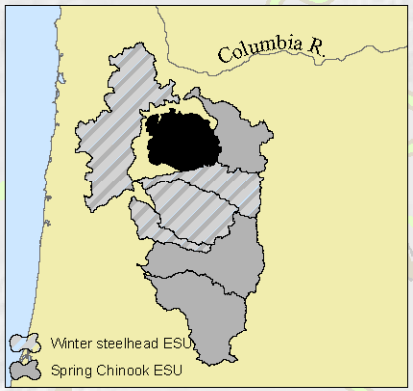
Total 303(d) Streams = 15% Total 100k Streams



- Total 303(d) streams - 268.18 km
- Remaning 100k streams - 1,530

- DDT/ Dieldrin, Table 20
- Temperature, Rearing: 17.8 C & Fecal coliform, Geometric mean of 2 & DDT/Dieldrin, Table 20
- Temperature, Rearing: 17.8 C & Fecal coliform, Geometric mean of 2
- Temperature, Rearing: 17.8 C
- Temperature, Rearing: 17.8 C & Fecal coliform, Geometric mean of 2 & DDT/Dieldrin/Aresenic/Chlordane/Iron/Manganese/ Nitrates, all Table 20

1:345,000



Molalla River

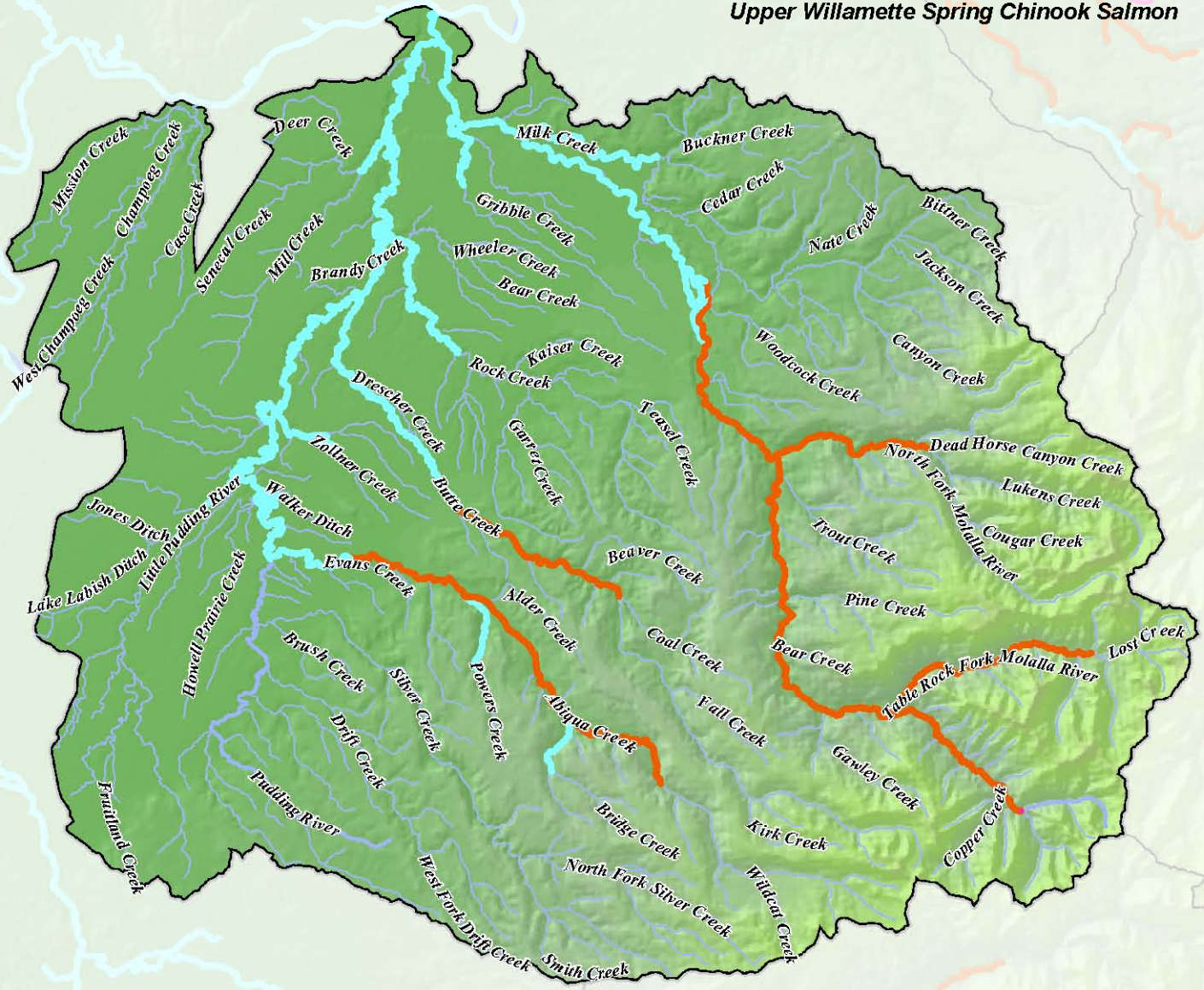
ODFW Distribution

Use type

- Spawning and rearing
- Rearing and migration
- Migration
- Previous/Historical
- Present, unknown use
- Absent
- Disputed

0 4 8 12 16
Km

Upper Willamette Spring Chinook Salmon



Use type	Stream km	% total
Spawning and rearing	104	6
Rearing and migration	186	10
Total use	290	16
Total 100k streams	**1,798**	**100**

1:345,000

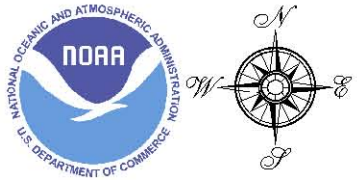
Molalla River

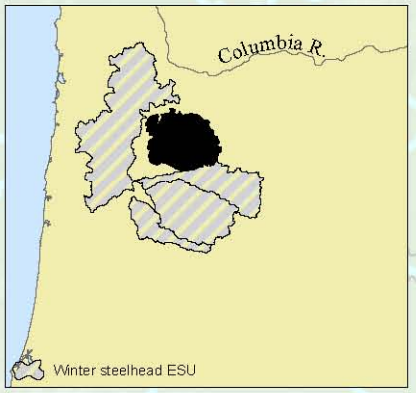
ODFW Distribution

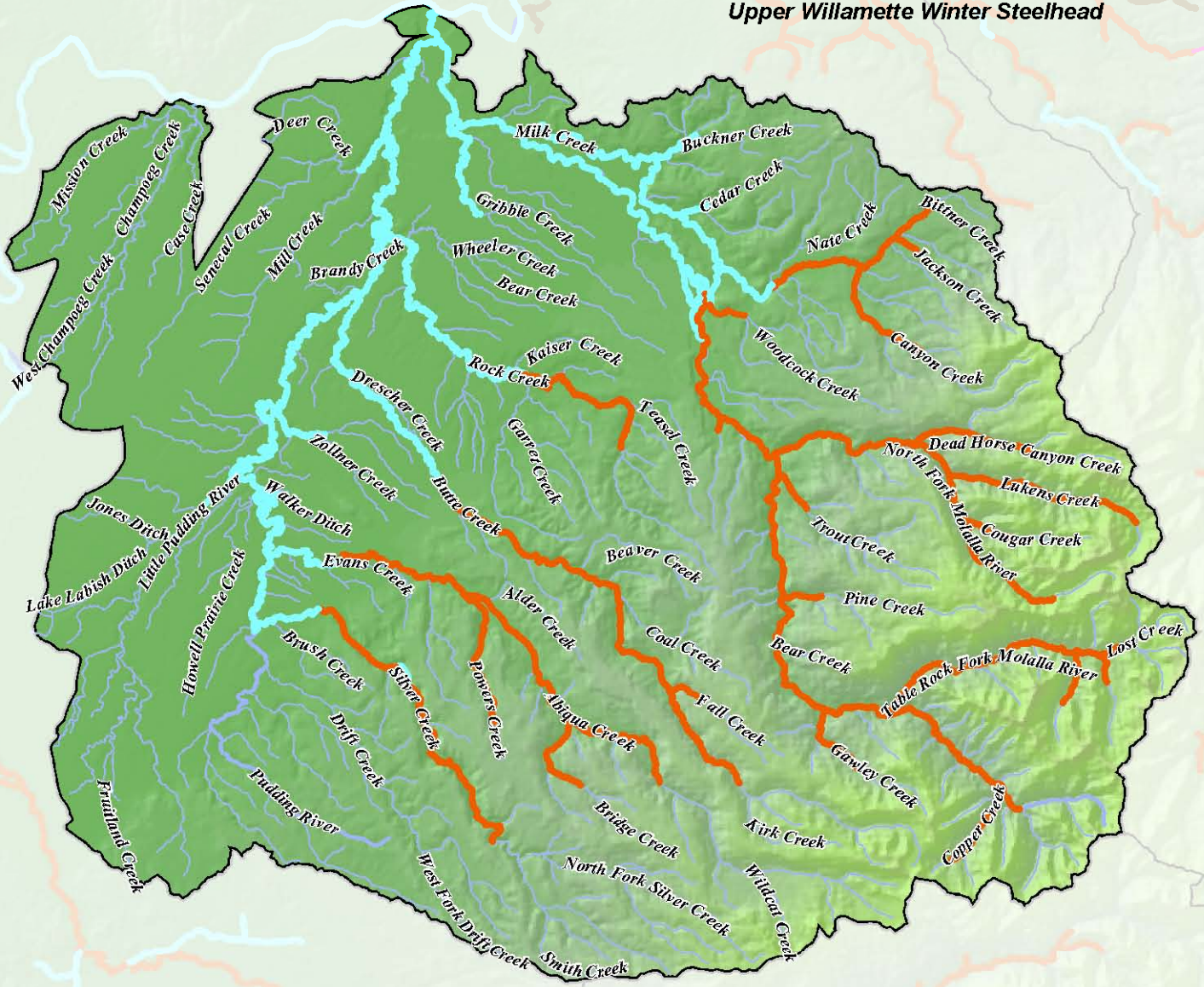
Use type

- Spawning and rearing
- Rearing and migration
- Migration
- Previous/Historical
- Present, unknown use
- Absent
- Disputed

0 4 8 12 16
Km







Use type	Stream km	% total
Spawning and rearing	240	13
Rearing and migration	217	12
Total use	457	25
Total 100k streams	**1,798**	**100**

Molalla River

Molalla River
FEMA Q3 Flood Data

Flood plain

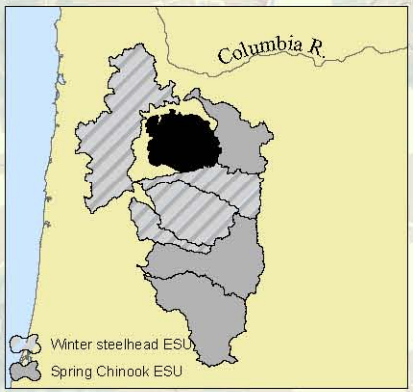
0 4 8 12 16
Km

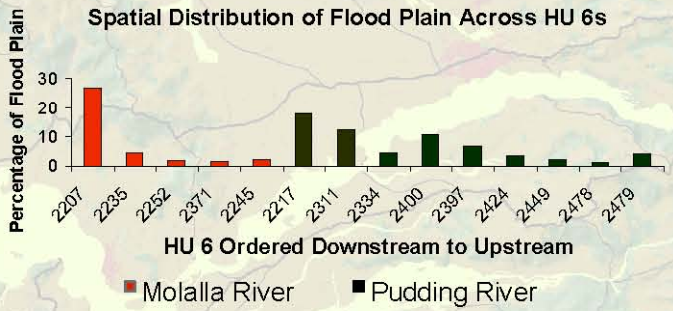
NOAA — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — U.S. DEPARTMENT OF COMMERCE

N W E S

Upper Willamette Winter Steelhead
Upper Willamette Spring Chinook Salmon

Mission Creek
Champoeg Creek
West Champoeg Creek
Case Creek
Senecal Creek
Deer Creek
Mill Creek
Brandy Creek
Milk Creek
Buckner Creek
Cedar Creek
Gribble Creek
Wheeler Creek
Bear Creek
Nate Creek
Bittner Creek
Jackson Creek
Kaiser Creek
Rock Creek
Woodcock Creek
Canyon Creek
Drescher Creek
Teasel Creek
Garner Creek
Zollner Creek
Dead Horse Canyon Creek
North Fork Molalla River
Lukens Creek
Jones Ditch
Little Pudding River
Walker Ditch
Butte Creek
Cougar Creek
Trout Creek
Lake Labish Ditch
Evans Creek
Beaver Creek
Pine Creek
Alder Creek
Howell Prairie Creek
Brush Creek
Coal Creek
Bear Creek
Lost Creek
Table Rock Fork Molalla River
Silver Creek
Powers Creek
Abiqua Creek
Fall Creek
Drift Creek
Gawley Creek
Fruitland Creek
Pudding River
Bridge Creek
Kirk Creek
Copper Creek
West Fork Drift Creek
North Fork Silver Creek
Wildcat Creek
Smith Creek





Flood Plain Land Cover	Square Km	Pecent Total
Lakes and streams	2	2
Rock, sand and clay	<1	<1
Sparse vegetation in transition/recovery	<1	<1
Grasslands	5	5
Developed	1	1
Forest and shrubs	21	22
Agriculture	67	68
Wetlands	1	1
Total 100 yr. Flood Plain	97	100

1:345,000

Molalla River
2000 HU 6 Population Density

0 - 6
7 - 17
18 - 33
34 - 51
52 - 77
78 - 126
127 - 204
205 - 275
276 - 436
437 - 806
807 - 1505
1506 - 2327
2328 - 3002

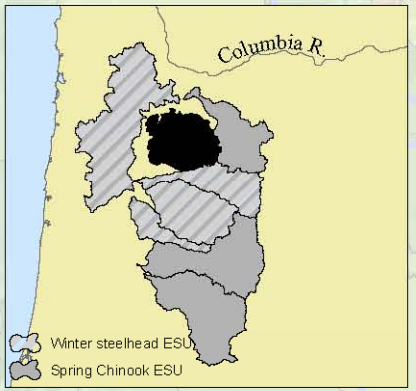
0 4 8 12 16
Km

NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE

N W E S

Upper Willamette Winter Steelhead
Upper Willamette Spring Chinook Salmon

Mission Creek
Champoeg Creek
Case Creek
West Champoeg Creek
Senecal Creek
Mill Creek
Deer Creek
Brandy Creek
Milk Creek
Buckner Creek
Cedar Creek
Gribble Creek
Wheeler Creek
Bear Creek
Nate Creek
Bittner Creek
Jackson Creek
Canyon Creek
Woodcock Creek
Kaiser Creek
Rock Creek
Drescher Creek
Tensel Creek
Carver Creek
Zollner Creek
Butte Creek
Dead Horse Canyon Creek
North Fork Molalla River
Lukens Creek
Cougar Creek
Trout Creek
Jones Ditch
Little Pudding River
Walker Ditch
Lake Labish Ditch
Evans Creek
Beaver Creek
Pine Creek
Alder Creek
Coal Creek
Bear Creek
Lost Creek
Table Rock Fork Molalla River
Howell Prairie Creek
Brush Creek
Silver Creek
Powers Creek
Abiqua Creek
Fall Creek
Gawley Creek
Drift Creek
Pudding River
Fraillard Creek
Bridge Creek
Kirk Creek
Copper Creek
North Fork Silver Creek
Wildcat Creek
West Fork Drift Creek
Smith Creek



Year	Total Human Population / Square Km	Total Human Population	% Increase
2000	51	120,863	
2040	84	198,882	65

1:345,000

Molalla River

Molalla River
Land Cover

- Lakes and streams
- Ice and snow
- Rock, sand, or clay
- Sparse vegetation
- Grassland
- Developed
- Forest and shrubs
- Agriculture
- Wetlands

0 4 8 12 16
Km

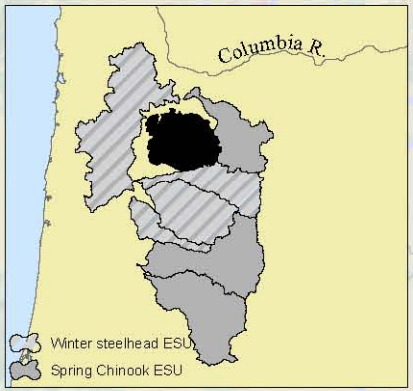
NOAA — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — U.S. DEPARTMENT OF COMMERCE

N W E S

Upper Willamette Winter Steelhead
Upper Willamette Spring Chinook Salmon

Mission Creek
Champoeg Creek
Case Creek
Senecal Creek
West Champoeg Creek
Deer Creek
Mill Creek
Brandy Creek
Milk Creek
Buckner Creek
Cedar Creek
Gribble Creek
Wheeler Creek
Bear Creek
Nate Creek
Bittner Creek
Jackson Creek
Kaiser Creek
Rock Creek
Woodcock Creek
Canyon Creek
Drescher Creek
Teasel Creek
Carter Creek
Dead Horse Canyon Creek
North Fork Molalla River
Lukens Creek
Zollner Creek
Butte Creek
Cougar Creek
Jones Ditch
Little Pudding River
Walker Ditch
Trout Creek
Lake Labish Ditch
Evans Creek
Beaver Creek
Pine Creek
Alder Creek
Coal Creek
Bear Creek
Lost Creek
Howell Prairie Creek
Brush Creek
Silver Creek
Powers Creek
Table Rock Fork Molalla River
Abiqua Creek
Fall Creek
Drift Creek
Gawley Creek
Fraidland Creek
Pudding River
Bridge Creek
Kirk Creek
Copper Creek
North Fork Silver Creek
Widdett Creek
West Fork Drift Creek
Smith Creek

1:345,000



Land Cover	Watershed Polygon Square Km	% Area
Lakes and streams	5	<1
Rock, sand and clay	1	<1
Sparse vegetation	19	1
Grasslands	67	3
Developed	42	2
Forest and shrubs	1,151	48
Agriculture	1,089	46
Wetlands	4	<1
Total	**2,379**	**100**

Molalla River
Land Use

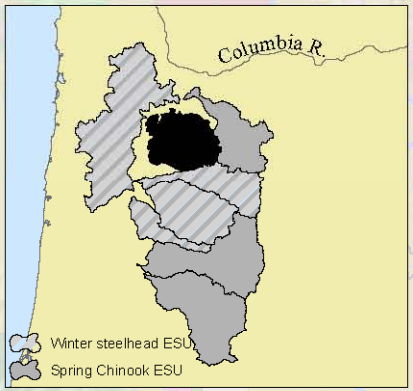
- Agriculture - forest zone
- Agriculture
- Forest
- Mineral resource zone
- Conservation zone
- Park and recreation
- Public facility
- Rural commercial
- Rural industrial
- Rural residential
- Urban
- Water

0 4 8 12 16
Km

Upper Willamette Winter Steelhead
Upper Willamette Spring Chinook Salmon

Mission Creek
Champoeg Creek
West Champoeg Creek
Case Creek
Senecal Creek
Deer Creek
Mill Creek
Brandy Creek
Milk Creek
Buckner Creek
Cedar Creek
Gribble Creek
Wheeler Creek
Bear Creek
Nate Creek
Bittner Creek
Jackson Creek
Kaiser Creek
Rock Creek
Woodcock Creek
Canyon Creek
Drescher Creek
Teasel Creek
Zollner Creek
Garter Creek
Dead Horse Canyon Creek
North Fork Molalla River
Lukens Creek
Jones Ditch
Little Pudding River
Walker Ditch
Butte Creek
Cougar Creek
Trout Creek
Lake Labish Ditch
Evans Creek
Beaver Creek
Pine Creek
Howell Prairie Creek
Alder Creek
Coal Creek
Bear Creek
Lost Creek
Brush Creek
Silver Creek
Powers Creek
Table Rock Fork Molalla River
Abiqua Creek
Fall Creek
Drift Creek
Cawley Creek
Pudding River
Bridge Creek
Kirk Creek
Copper Creek
Fruitland Creek
North Fork Silver Creek
Wildcat Creek
West Fork Drift Creek
Smith Creek

1:345,000



Land Use	Watershed Polygon Square Km	% Area
Agriculture	1,030	43
Airport	2	<1
Forest	1,179	50
Park and recreation	34	1
Public facility	2	<1
Rural industrial	7	<1
Rural residential	56	2
Rural commercial	1	<1
Urban	68	3
Total	**2,379**	**99**

Molalla River

Molalla River
Ownership

County
Federal
Private
State

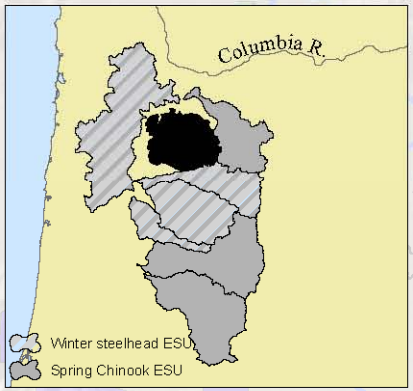
0 4 8 12 16
Km

NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE

N W E S

Upper Willamette Winter Steelhead
Upper Willamette Spring Chinook Salmon

Mission Creek
Champoeg Creek
Case Creek
West Champoeg Creek
Senecal Creek
Deer Creek
Mill Creek
Brandy Creek
Milk Creek
Buckner Creek
Cedar Creek
Gribble Creek
Wheeler Creek
Bear Creek
Nate Creek
Bittner Creek
Jackson Creek
Woodcock Creek
Canyon Creek
Kaiser Creek
Rock Creek
Drescher Creek
Teasel Creek
Garrett Creek
Zollner Creek
Butte Creek
Dead Horse Canyon Creek
North Fork Molalla River
Lukens Creek
Cougar Creek
Jones Ditch
Little Pudding River
Walker Ditch
Trout Creek
Beaver Creek
Evans Creek
Lake Labish Ditch
Alder Creek
Pine Creek
Howell Prairie Creek
Coal Creek
Bear Creek
Lost Creek
Brush Creek
Silver Creek
Powers Creek
Table Rock Fork Molalla River
Abiqua Creek
Fall Creek
Drift Creek
Carley Creek
Pudding River
Bridge Creek
Kirk Creek
Copper Creek
Fraidland Creek
North Fork Silver Creek
Wildcat Creek
West Fork Drift Creek
Smith Creek



Ownership	Watershed Polygon Square Km	% Area
County	<1	<1
Federal	229	10
Private	2,053	86
State	96	4
Total	**2,379**	**100**

1:345,000

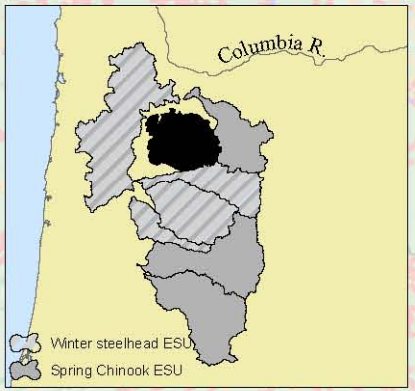
Molalla River
Riparian Condition

Functional
Impaired
Moderately Impaired
No Data
Water

0 4 8 12 16
Km

Upper Willamette Winter Steelhead
Upper Willamette Spring Chinook Salmon

Mission Creek
Champoeg Creek
West Champoeg Creek
Case Creek
Seneca Creek
Deer Creek
Mill Creek
Brandy Creek
Milk Creek
Gribble Creek
Wheeler Creek
Bear Creek
Buckner Creek
Cedar Creek
Nate Creek
Bittner Creek
Jackson Creek
Canyon Creek
Woodcock Creek
Kaiser Creek
Rock Creek
Drescher Creek
Teasel Creek
Garrett Creek
Zollner Creek
Butte Creek
Dead Horse Canyon Creek
North Fork Molalla River
Lukens Creek
Cougar Creek
Jones Ditch
Little Pudding River
Walker Ditch
Lake Labish Ditch
Evans Creek
Trout Creek
Beaver Creek
Pine Creek
Alder Creek
Coal Creek
Bear Creek
Lost Creek
Table Rock Fork Molalla River
Howell Prairie Creek
Brush Creek
Silver Creek
Powers Creek
Abiqua Creek
Fall Creek
Drift Creek
Gawley Creek
Pudding River
Fraitland Creek
Bridge Creek
Kirk Creek
Copper Creek
North Fork Silver Creek
Wildcat Creek
West Fork Drift Creek
Smith Creek



Riparian condition	Stream km	% total
Functional	974	39
Impaired	989	39
Moderately impaired	551	22
No data	8	<1
Water	2	<1
Total	**2,524**	**100**

1:345,000

Molalla River

Molalla River
Water Rights

Max rate cfs

- 0.0008 - 4.17
- 4.17 - 11.625
- 11.625 - 23.965
- 23.965 - 42.372
- 42.372- 76.195
- 76.195 - 123.82
- 123.82 - 201.807
- 201.808 - 345.248
- 345.248 - 505.973
- 505.974 - 902.158
- 902.158 - 1900
- 1900 - 4600
- no data

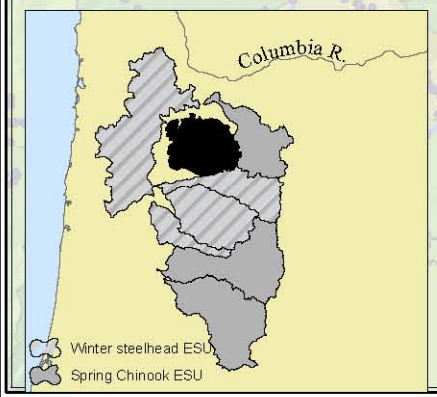
0 4 8 12 16
Km

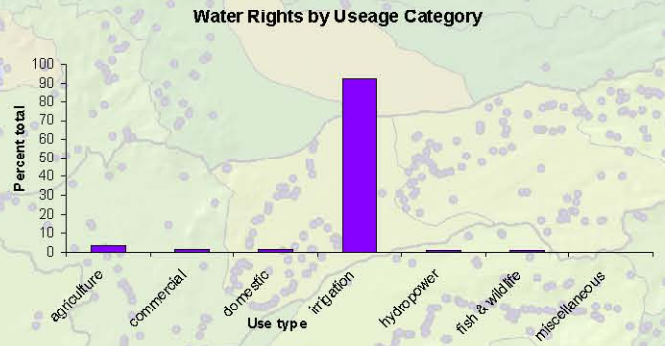
Total max rate for population equals 2420 cfs.

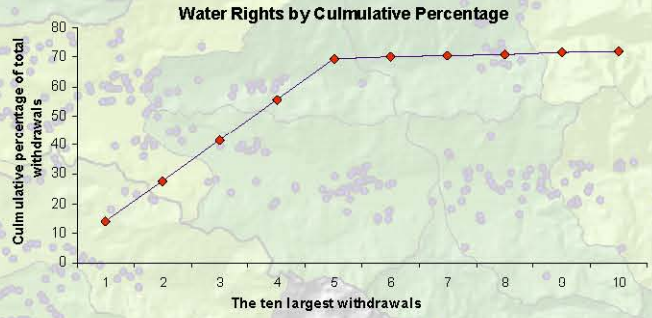
Upper Willamette Winter Steelhead
Upper Willamette Spring Chinook Salmon

Max rate cfs
- 0 - 0.4
- 0.4 - 1.65
- 1.65 - 5
- 5 - 11
- 11 - 335

Mission Creek, Champoeg Creek, West Champoeg Creek, Case Creek, Seneca Creek, Mill Creek, Deer Creek, Milk Creek, Buckner Creek, Cedar Creek, Gribble Creek, Wheeler Creek, Bear Creek, Brandy Creek, Nate Creek, Bitmer Creek, Jackson Creek, Canyon Creek, Woodcock Creek, Kaiser Creek, Rock Creek, Drescher Creek, Teasel Creek, Ganger Creek, Dead Horse Canyon Creek, North Fork Molalla River, Lukens Creek, Cougar Creek, Trout Creek, Tollgate Creek, Little Creek, Jones Ditch, Little Pudding River, Walker Ditch, Lake Labish Ditch, Evans Creek, Beaver Creek, Pine Creek, Alder Creek, Howell Prairie Creek, Brush Creek, Silver Creek, Powers Creek, Coal Creek, Bear Creek, Lost Creek, Table Rock Fork Molalla River, Abiqua Creek, Fall Creek, Drift Creek, Gawley Creek, Pudding River, Bridge Creek, Kirk Creek, Copper Creek, Butland Creek, West Fork Drift Creek, North Fork Silver Creek, Wildcat Creek, Smith Creek







1:345,000