Scappoose River Accessibility

Current accessibility
Historical accessibility
Above natural barriers

0 3 6 9 12
Km

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

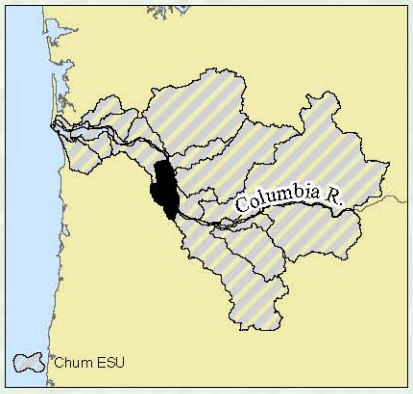
N W E S

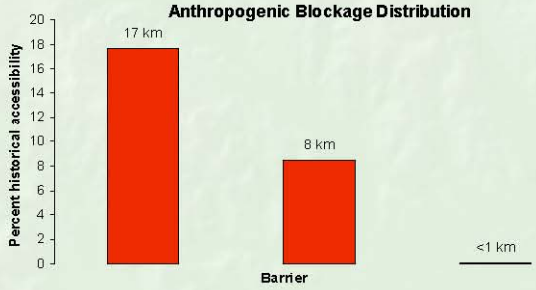
Columbia River Chum

Goble Creek
Deer Island Slough
Tide Creek
Merrill Creek
Bishop Creek
Columbia River
Milton Creek
Cox Creek
Alder Creek
McNulty Creek
Sly Creek
Scappoose Bay
Brush Creek
North Scappoose Creek
Scappoose Slough
Fall Creek
Salt Creek
Santosh Slough
South Scappoose Creek
Jackson Creek
Multnomah Channel
Jones Creek
Gilbert River
Patterson Creek
McCarthy Creek

1:250,000

Accessibility	Stream km	% total
Current accessibility	317	86
Historical accessibility	343	93
Above natural barriers	26	7
Total streams	369	
Current / Historical		**92**





Scappoose

Scappoose River
Accessibility

Current accessibility
Historical accessibility
Above natural barriers

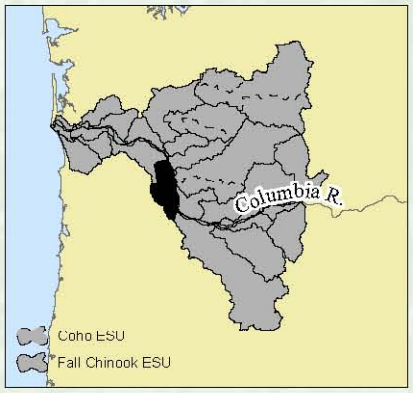
0 3 6 9 12
Km

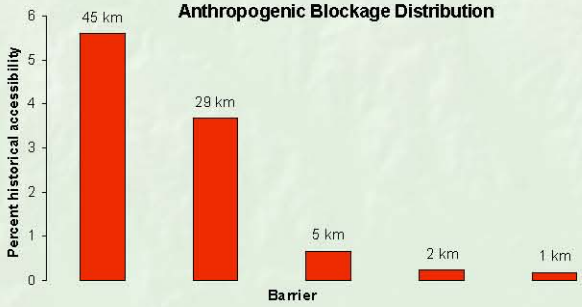
Lower Columbia River Coho
Lower Columbia River Fall Chinook

Goble Creek
Deer Island Slough
Tide Creek
Merrill Creek
Bishop Creek
Columbia River
Milton Creek
Cox Creek
Alder Creek
McNulty Creek
Sly Creek
Brush Creek
North Scappoose Creek
Scappoose Bay
Fall Creek
Salt Creek
Santosh Slough
Multnomah Channel
South Scappoose Creek
Jackson Creek
Jones Creek
Patterson Creek
Gilbert River
McCarthy Creek

1:250,000

Accessibility	Stream km	% total
Current accessibility	644	80
Historical accessibility	728	90
Above natural barriers	80	10
Total streams	808	
Current / Historical		**88**





Scappoose Creek
2002 303(d) Listed Water Courses

PARAMETER

- Biological Criteria
- Temperature

Columbia River

- Arsenic
- DDT Metabolite
- PCB
- Temperature

0 3 6 9 12

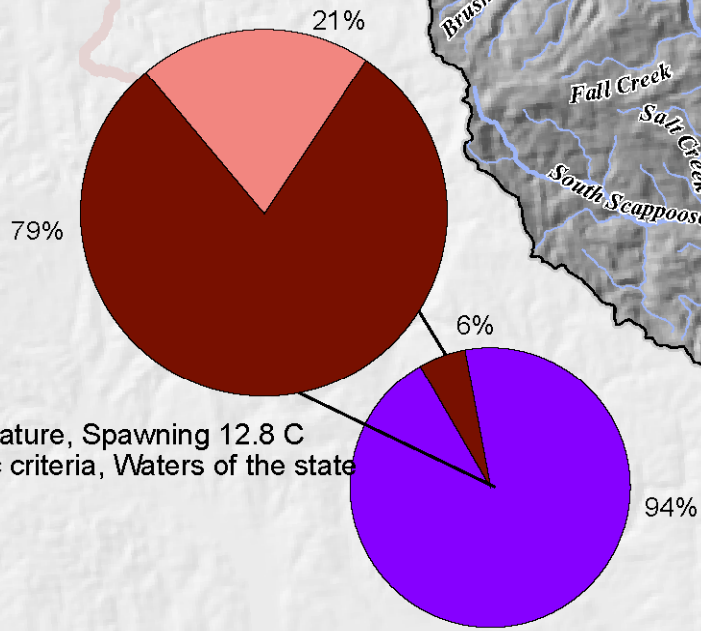
Km

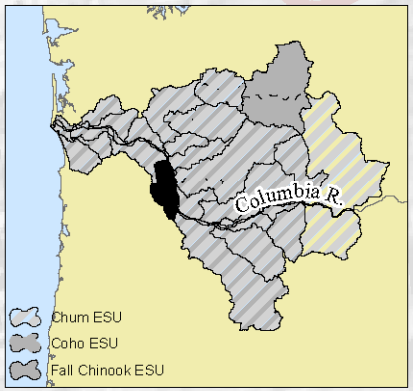
NOAA NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION U.S. DEPARTMENT OF COMMERCE

N W E S

Columbia River Chum
Lower Columbia Coho
Lower Columbia Fall Chinook

Total 303(d) Streams = 6% Total 100k Streams





Goble Creek
Tide Creek
Bishop Creek
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Columbia River
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South Scappoose Creek
Santosh Slough
Multnomah Channel
Jackson Creek
Jones Creek
Patterson Creek
Gilbert River
McCarthy Creek

1:250,000

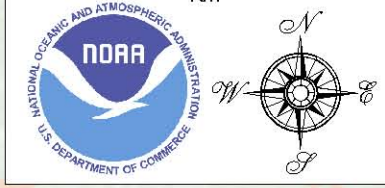
Scappoose

Scappoose River
ODFW Distribution
Use type

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

0 3 6 9 12

Km



Lower Columbia Coho

Goble Creek
Deer Island Slough
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Bishop Creek
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Milton Creek
Cox Creek
Alder Creek
McNulty Creek
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North Scappoose Creek
Santosh Slough
Fall Creek
Salt Creek
Multnomah Channel
South Scappoose Creek
Jackson Creek
Jones Creek
Gilbert River
Patterson Creek
McCarthy Creek

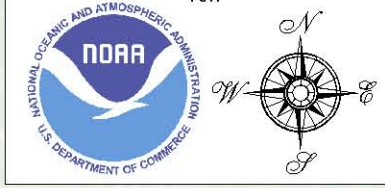
1:250,000

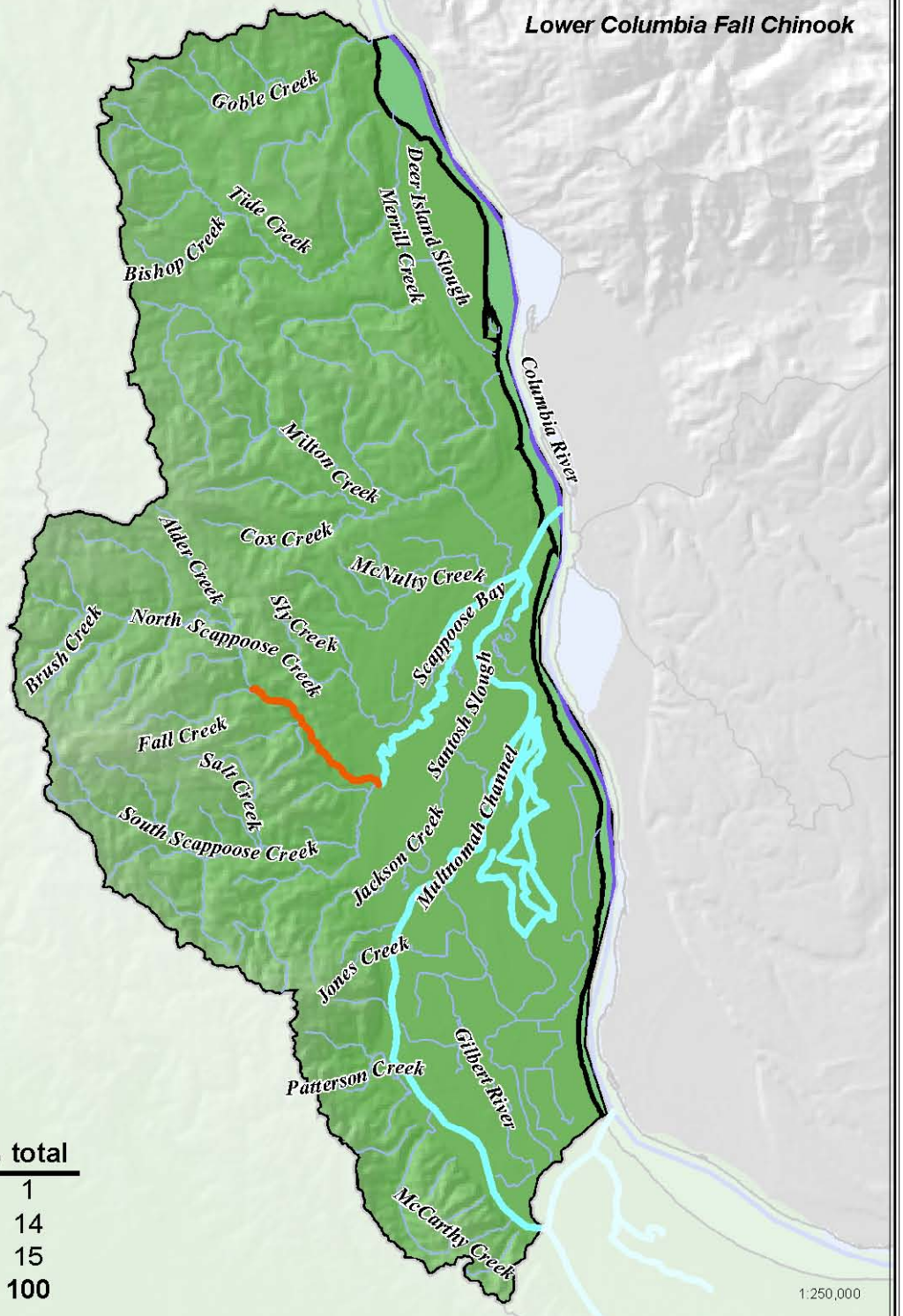
Use type	Stream km	% total
Spawning and rearing	124	22
Rearing and migration	98	17
Previous / historical	1	<1
Total use	223	39
Total 100k streams	**572**	**100**

Scappoose River
ODFW Distribution
Use type

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

0 3 6 9 12
Km





Use type	Stream km	% total
Spawning and rearing	7	1
Rearing and migration	78	14
Total use	85	15
Total 100k streams	**572**	**100**

Scappoose

Scappoose Creek
FEMA Q3 Flood Data

Flood plain

0 3 6 9 12

Km

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

N W E S

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Lower Columbia Coho
Lower Columbia Fall Chinook

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Jones Creek
Gilbert River
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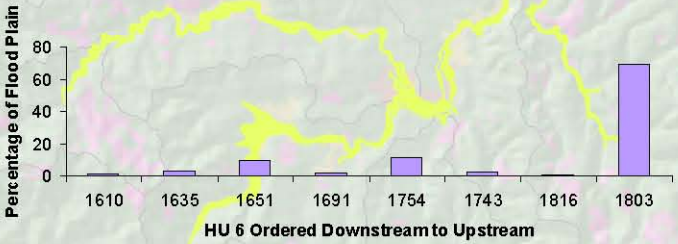
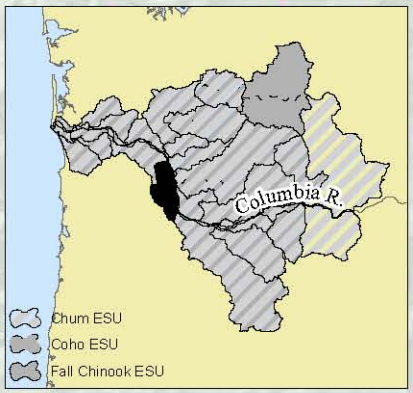
McCarthy Creek

1:250,000

Spatial Distribution of Flood Plain Across HU 6s



Flood Plain Land Cover	Square Km	Pecent Total
Lakes and streams	25	15
Rock, sand and clay	<1	<1
Sparse vegetation in transitior	1	<1
Grasslands	2	1
Developed	4	2
Forest and shrubs	38	23
Agriculture	79	48
Wetlands	14	9
Total 100 yr. Flood Plain	**163**	**100**



Scappoose Creek
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 3 6 9 12
Km

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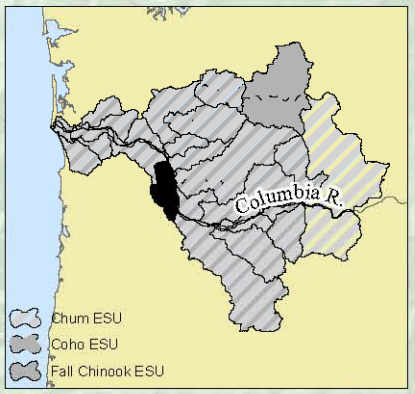
N W E S



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McCarthy Creek

1:250,000

Year	Total Human Population / Square Km	Total Human Population	% Increase
2000	49	31,973	
2040	71	46,725	46

Scappoose

Scappoose River
Land Cover

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

0 3 6 9 12

Km

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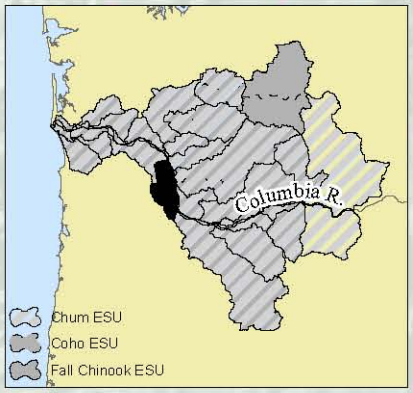
1:250,000



Land Cover	Watershed Polygon Square Km	% Area
Lakes and streams	29	4
Rock, sand and clay	<1	<1
Sparse vegetation	19	3
Grasslands	5	1
Developed	25	4
Forest and shrubs	444	68
Agriculture	120	18
Wetlands	16	2
Total	**657**	**100**

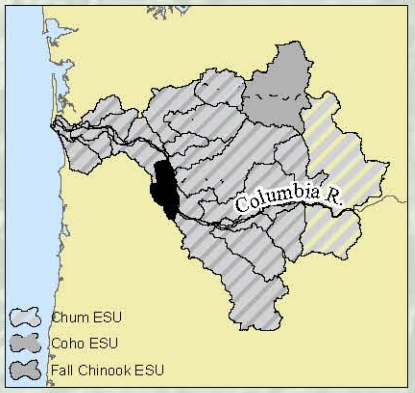
Scappoose Creek
Land Use

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

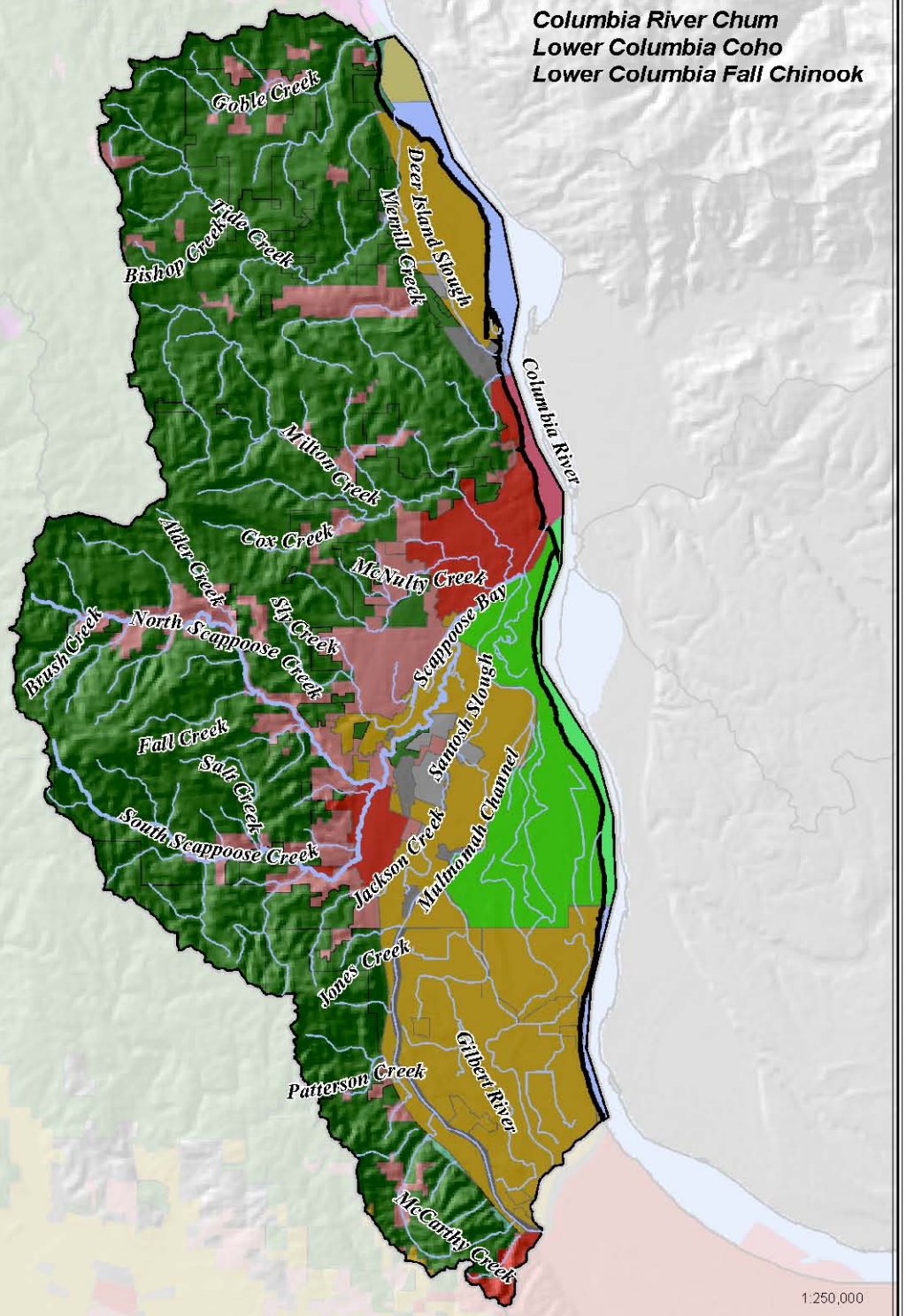
0 3 6 9 12
Km

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

N W E S



Land Use	Watershed Polygon Square Km	% Area
Agriculture	117	18
Forestry	392	60
Mineral resource zone	5	1
Public facility	<1	<1
Rural industrial	5	1
Rural residential	66	10
Rural service center	1	<1
Wildlife refuge	40	6
Urban	29	4
Total	**655**	**100**



Scappoose

Scappoose Creek
Ownership

County
Federal
Private
State

0 3 6 9 12
Km

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

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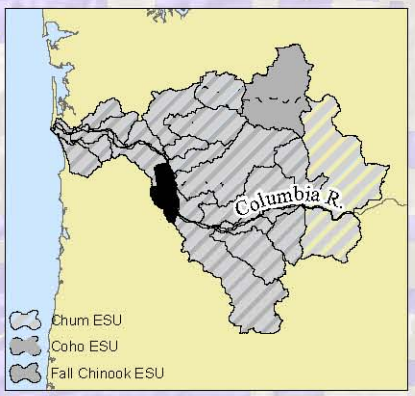
1:250,000



Ownership	Watershed Polygon Square Km	% Area
County	2	0
Federal	66	11
Private	588	96
State	<1	<1
Total	**657**	**108**

Scappoose River

Riparian Condition

- Functional
- Impaired
- Moderately Impaired
- No Data
- Water

0 3 6 9 12

Km

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

N W E S

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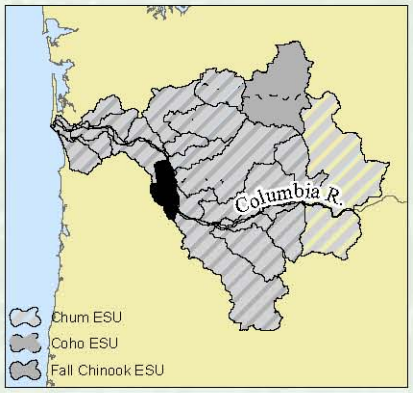

Riparian condition	Stream km	% total
Functional	372	46
Impaired	128	16
Moderately impaired	286	35
No data	3	<1
Water	20	2
Total	**809**	**100**

1:250,000

Scappoose

Scappoose 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

0 3 6 9 12

Km

NOAA — National Oceanic and Atmospheric Administration — U.S. Department of Commerce

N W E S

Max rate cfs

- 0 - 1.01
- 1.01 - 4.5
- 4.5 - 12
- 12 - 25
- 25 - 63.54

Total max rate for population equals 557 cfs.

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Lower Columbia Fall Chinook

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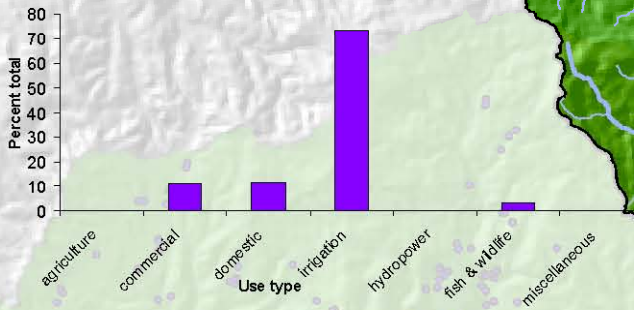
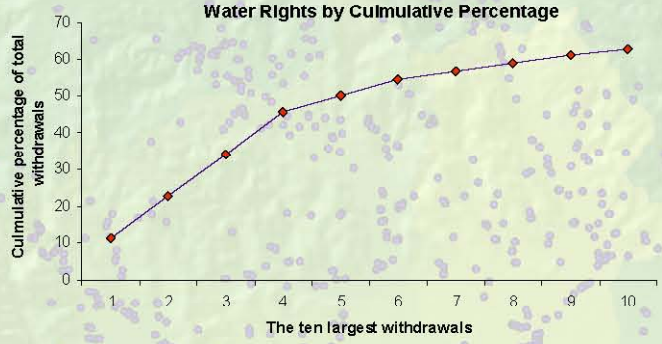
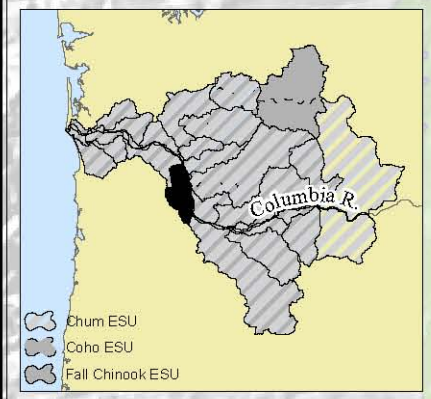
Water Rights by Useage Category



Water Rights by Culmulative Percentage





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