Youngs Bay
Accessibility

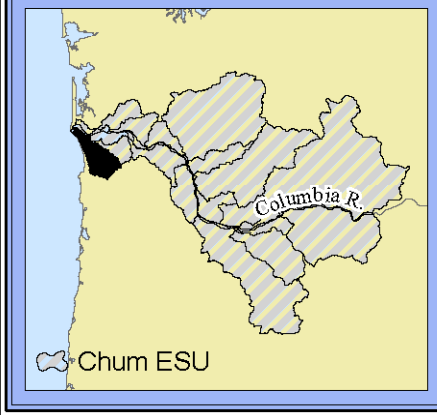
Current accessibility
Historical accessibility
Above natural barriers

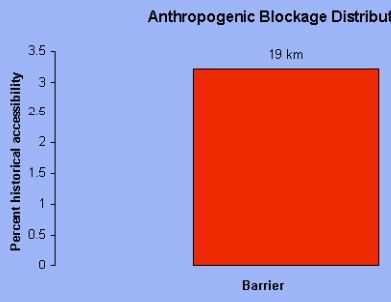
0 3 6 9 12
Km

Columbia River Chum

Columbia River
Youngs Bay
Alder Creek
Cooks Slough
Skipanon River
Barrett Slough
Wallooskee River
North Fork North Fork Klaskanine
Hackard Creek
Stowebolt Creek
Moosmoos Creek
North Fork Klaskanine River
Gullaby Creek
South Fork Klaskanine River
Loowit Creek
Youngs River
Rock Creek
Fox Creek
Fall Creek
Lewis And Clark River

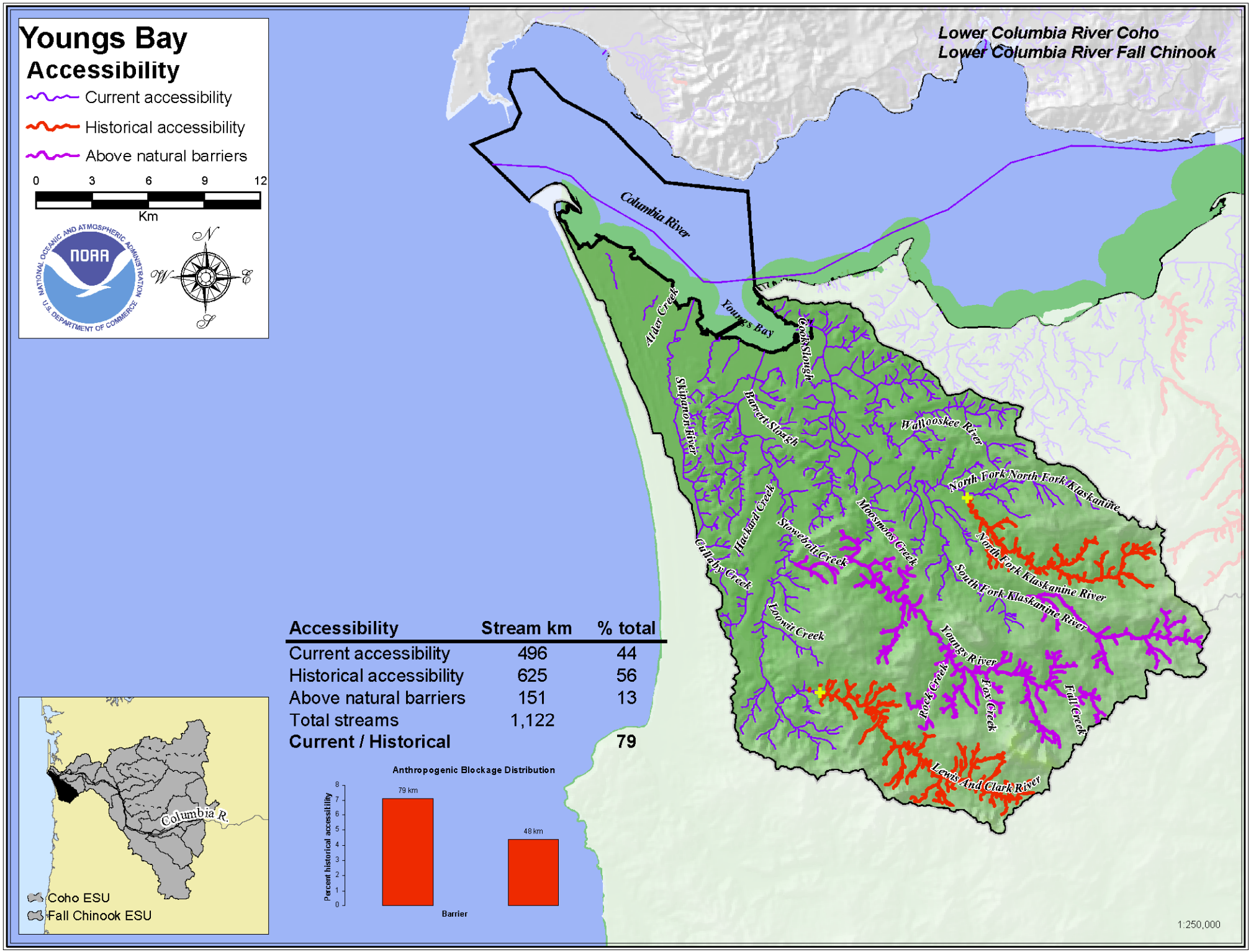
Accessibility	Stream km	% total
Current accessibility	286	47
Historical accessibility	305	51
Above natural barriers	11	2
Total streams	601	
Current / Historical		**94**





1:250,000

Youngs Bay



Accessibility	Stream km	% total
Current accessibility	496	44
Historical accessibility	625	56
Above natural barriers	151	13
Total streams	1,122	
Current / Historical		**79**

Youngs Bay
2002 303(d) Listed Water Courses

PARAMETER

- Dissolved Oxygen
- Temperature

CRITERIA_T

- Estuarine: 6.5 mg/l

Columbia River

- Arsenic
- DDT Metabolite
- PCB
- Temperature

0 3 6 9 12

Km

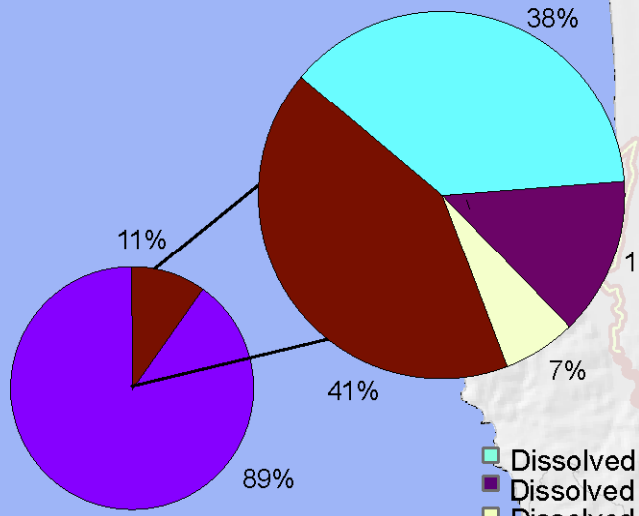
NOAA NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION U.S. DEPARTMENT OF COMMERCE

N W E S

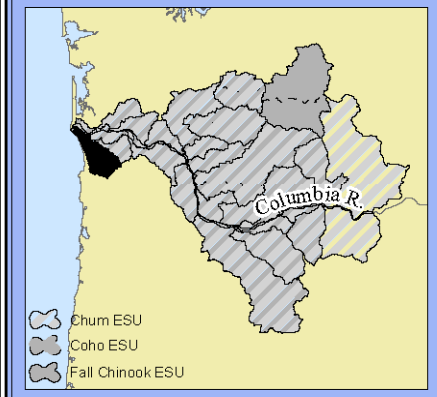
Columbia River Chum
Lower Columbia Coho
Lower Columbia Fall Chinook

Columbia River
Youngs Bay
Alder Creek
Cooks Slough
Skipanon River
Barrett Slough
Hackard Creek
Gullaby Creek
Stowebolt Creek
Wallooskee River
Moosmoos Creek
North Fork North Fork Klaskanine
North Fork Klaskanine River
South Fork Klaskanine River
Loowit Creek
Youngs River
Rock Creek
Fox Creek
Fall Creek
Lewis And Clark River

Total 303(d) Streams = 11% Total 100k Streams



- Total 303(d) streams - 53.56 km
- Remaining 100k streams - 390.16 km



- Dissolved oxygen, Cold water: 8 mg/L
- Dissolved oxygen, Cold water: 8 mg/L & Dissolved oxygen, Estuarine: 6.5mg/L
- Dissolved oxygen, Cold water: 8 mg/L & Temperature, Rearing: 17.8C
- Temperature, Rearing: 17.8C

1:250,000

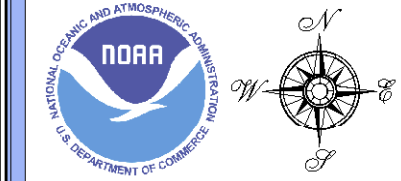
Youngs Bay

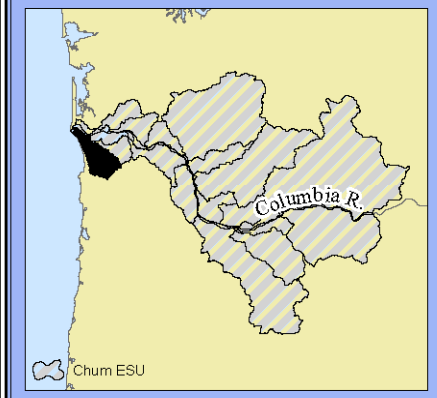
Youngs Bay
ODFW Distribution
Use type

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

0 3 6 9 12

Km





Columbia River Chum

Columbia River
Alder Creek
Youngs Bay
Cooks Slough
Skipanon River
Barrett Slough
Wallooskee River
Hackard Creek
Stowebolt Creek
Moosmoos Creek
North Fork North Fork Klaskanine
North Fork Klaskanine River
Gullaby Creek
South Fork Klaskanine River
Lonvit Creek
Youngs River
Rock Creek
Fox Creek
Fall Creek
Lewis And Clark River

Use type	Stream km	% total
Previous / historical	91	20
Total use	91	20
Total 100k streams	**444**	**100**

1:250,000

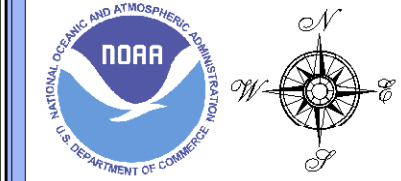
Youngs Bay
ODFW Distribution

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

Columbia River
Alder Creek
Youngs Bay
Cooks Slough
Skipanon River
Barrett Slough
Wallooskee River
Hackard Creek
Cullaby Creek
Stowebolt Creek
Moosmoos Creek
North Fork North Fork Klaskanine
North Fork Klaskanine River
South Fork Klaskanine River
Loowit Creek
Youngs River
Rock Creek
Fox Creek
Fall Creek
Lewis And Clark River

Use type	Stream km	% total
Spawning and rearing	94	21
Rearing and migration	99	22
Total use	194	44
Total 100k streams	**444**	**100**

1:250,000

Youngs Bay

Youngs Bay
ODFW Distribution

Use type

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

0 3 6 9 12

Km

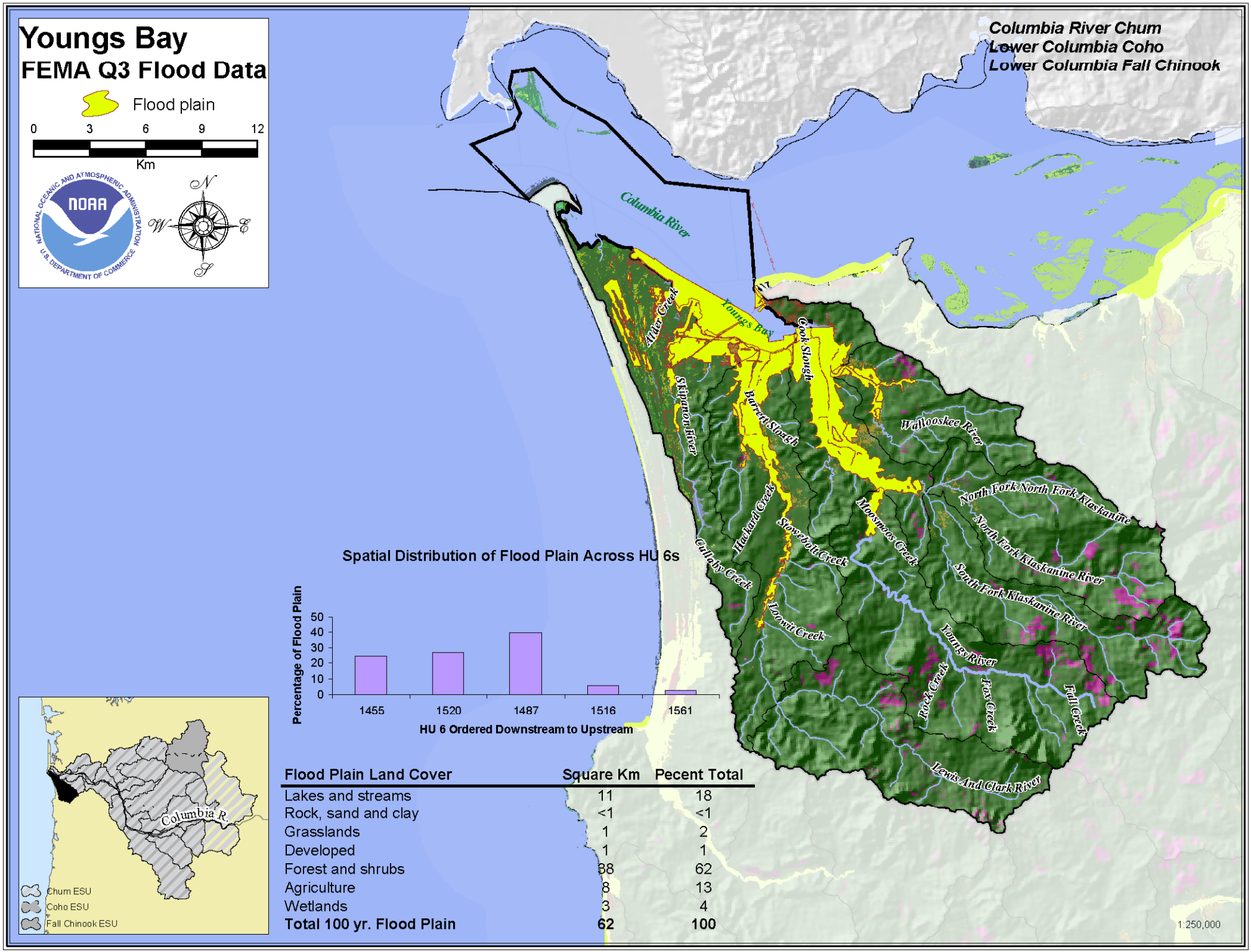
Lower Columbia Fall Chinook

Columbia River
Youngs Bay
Alder Creek
Cooks Slough
Skipanon River
Barnett Slough
Wallooskee River
Hackard Creek
Gullaby Creek
Stowebolt Creek
Moosmoos Creek
North Fork North Fork Klaskanine
North Fork Klaskanine River
South Fork Klaskanine River
Loowit Creek
Youngs River
Rock Creek
Fox Creek
Fall Creek
Lewis And Clark River

Use type	Stream km	% total
Spawning and rearing	25	6
Rearing and migration	44	10
Migration	7	2
Previous / historical	10	2
Total use	86	19
Total 100k streams	**444**	**100**

1:250,000

Youngs Bay



Flood Plain Land Cover	Square Km	Pecent Total
Lakes and streams	11	18
Rock, sand and clay	<1	<1
Grasslands	1	2
Developed	1	1
Forest and shrubs	38	62
Agriculture	8	13
Wetlands	3	4
Total 100 yr. Flood Plain	**62**	**100**

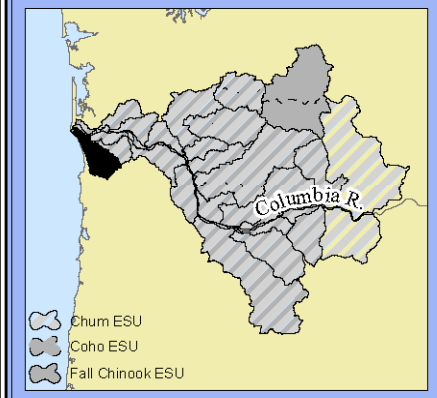
Youngs Bay
2000 HU 6 Population Density

- 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

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

N W E S

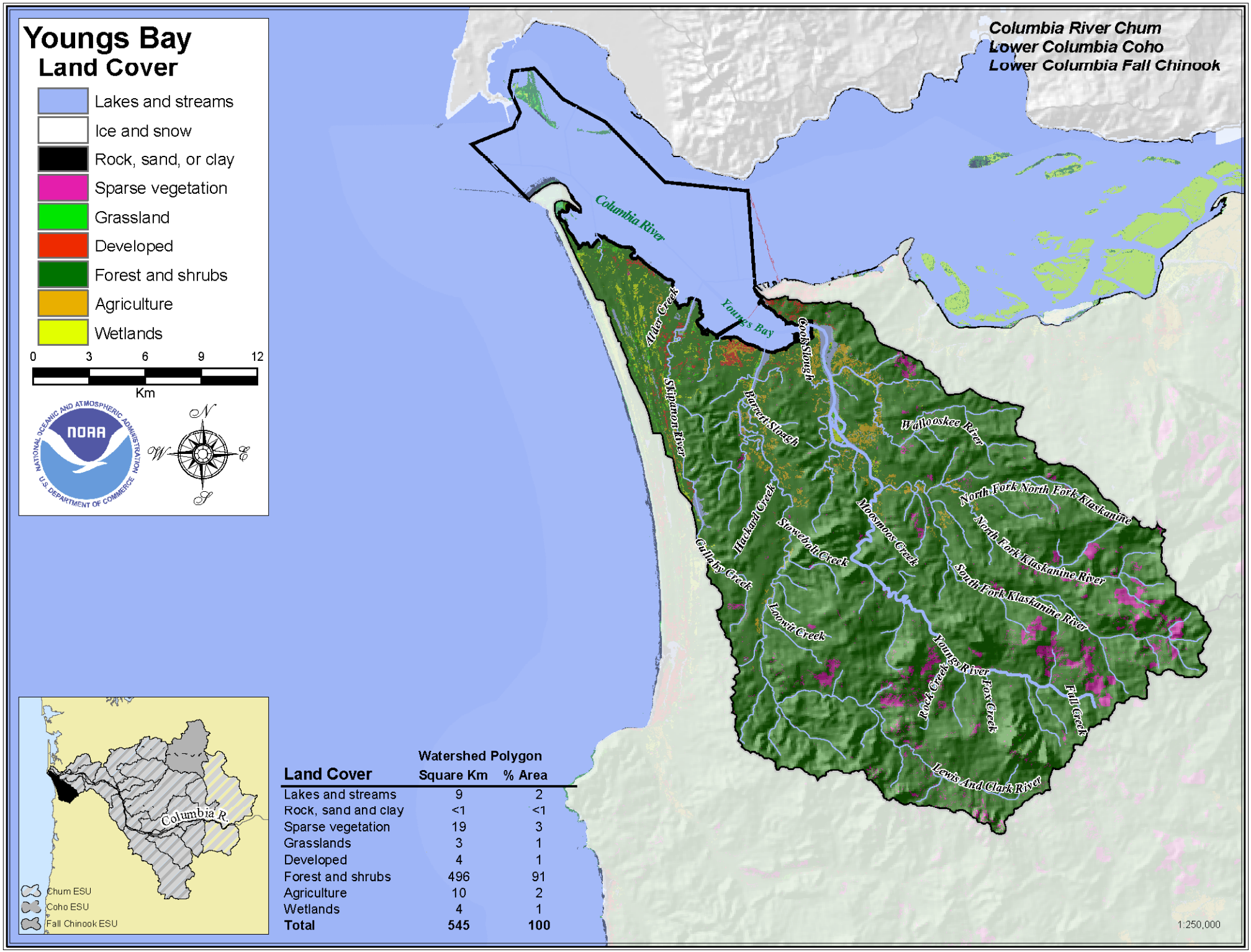


Columbia River Chum
Lower Columbia Coho
Lower Columbia Fall Chinook

Columbia River
Youngs Bay
Alder Creek
Skipanon River
Cooks Slough
Barrett Slough
Hackard Creek
Gullaby Creek
Wallooskee River
Strowbolt Creek
Moosmoos Creek
North Fork North Fork Klaskanine
North Fork Klaskanine River
South Fork Klaskanine River
Loowit Creek
Youngs River
Rock Creek
Fox Creek
Fall Creek
Lewis And Clark River

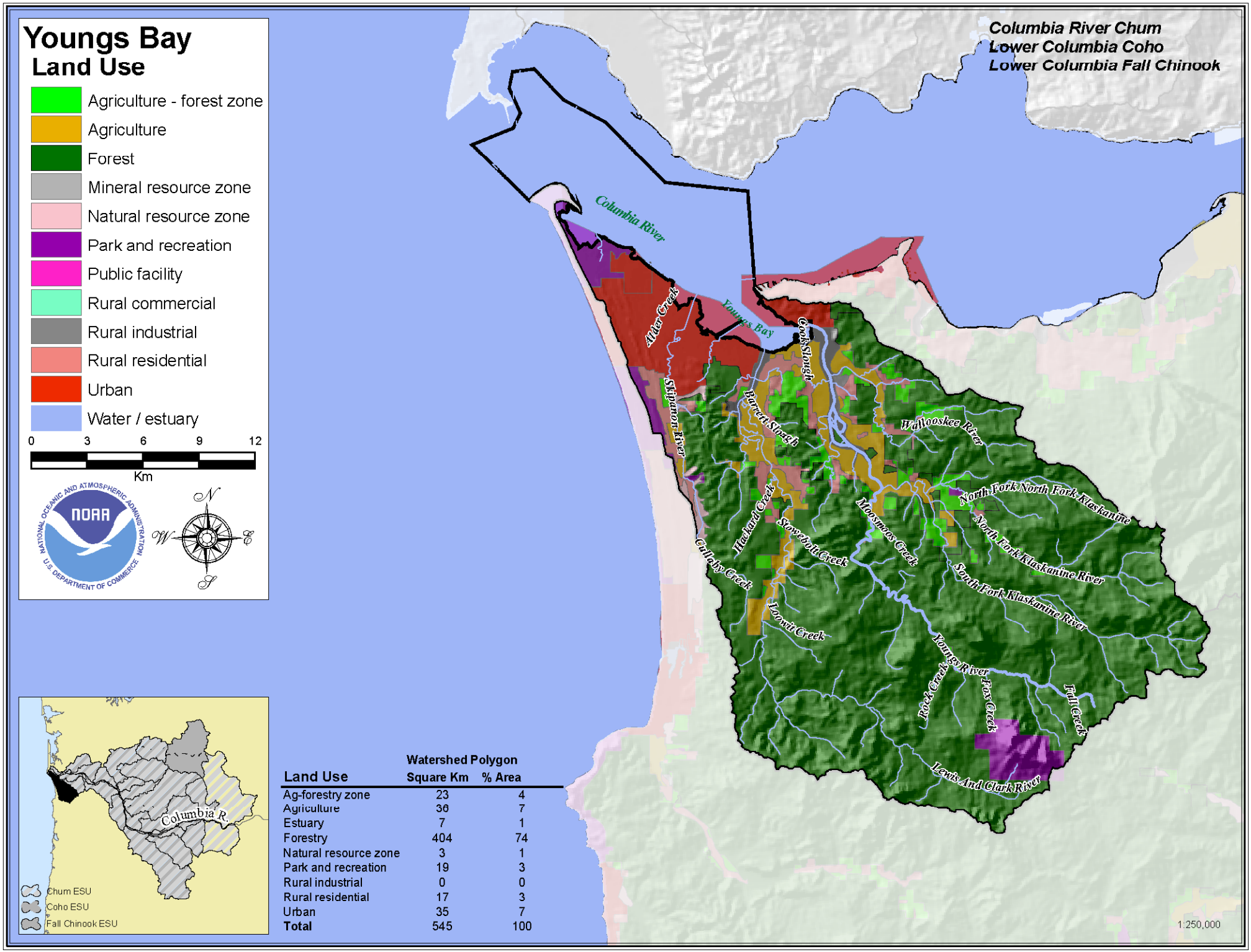
Year	Total Human Population / Square Km	Total Human Population	% Increase
2000	23	12,435	
2040	25	13,732	10

1:250,000



Land Cover	Watershed Polygon Square Km	% Area
Lakes and streams	9	2
Rock, sand and clay	<1	<1
Sparse vegetation	19	3
Grasslands	3	1
Developed	4	1
Forest and shrubs	496	91
Agriculture	10	2
Wetlands	4	1
Total	**545**	**100**

Youngs Bay



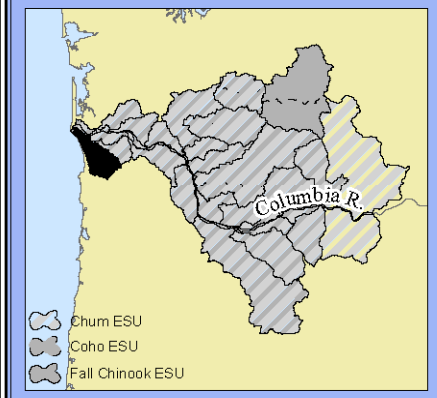
Land Use	Watershed Polygon Square Km	% Area
Ag-forestry zone	23	4
Agriculture	36	7
Estuary	7	1
Forestry	404	74
Natural resource zone	3	1
Park and recreation	19	3
Rural industrial	0	0
Rural residential	17	3
Urban	35	7
Total	545	100

Youngs Bay
Ownership

County
Federal
Private
State

0 3 6 9 12
Km

Columbia River Chum
Lower Columbia Coho
Lower Columbia Fall Chinook



Ownership	Watershed Polygon Square Km	% Area
County	0	0
Federal	1	0
Private	479	159
State	64	21
Total	544	181

1:250,000

Youngs Bay

Youngs Bay

Riparian Condition

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

0 3 6 9 12

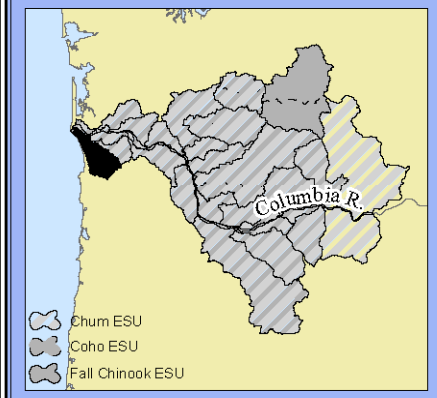
Km

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

N W E S

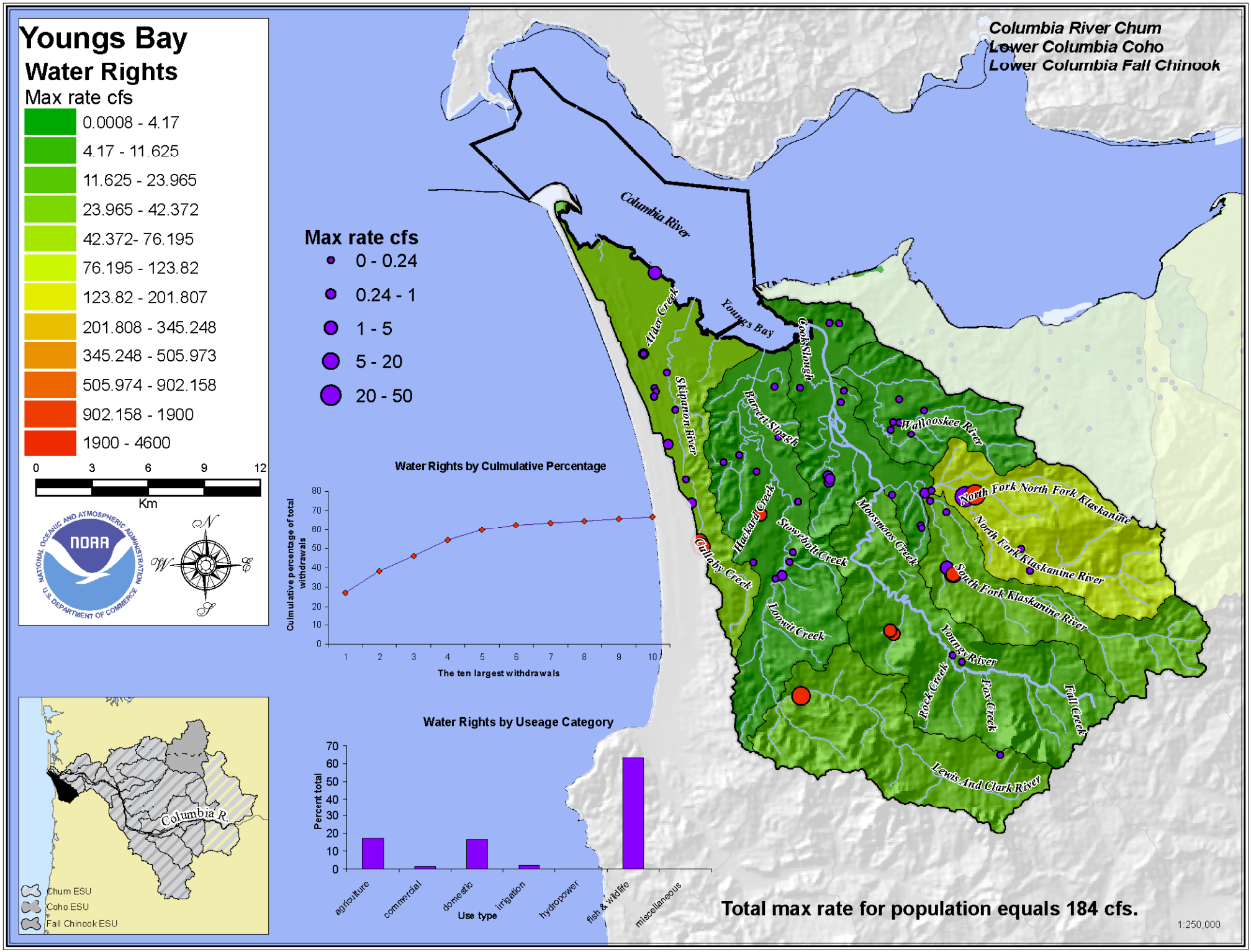
Columbia River Chum
Lower Columbia Coho
Lower Columbia Fall Chinook

Columbia River
Youngs Bay
Alder Creek
Cook Slough
Skipanon River
Barrett Slough
Hackard Creek
Gullaby Creek
Stowebolt Creek
Moosmoos Creek
Wallooskee River
North Fork North Fork Klaskanine
North Fork Klaskanine River
South Fork Klaskanine River
Loowit Creek
Youngs River
Rock Creek
Fox Creek
Fall Creek
Lewis And Clark River



Riparian condition	Stream km	% total
Functional	510	71
Impaired	47	7
Moderately impaired	153	21
No data	5	1
Total	**716**	**100**

1:250,000


Youngs Bay
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 - 0.24
0.24 - 1
1 - 5
5 - 20
20 - 50
Columbia River Chum
Lower Columbia Coho
Lower Columbia Fall Chinook
Columbia River
Youngs Bay
Alder Creek
Skipanon River
Cullaby Creek
Hackard Creek
Barrett Slough
Cook Slough
Stowebolt Creek
Loowit Creek
Moosmoos Creek
Wallooskee River
North Fork North Fork Klaskanine
North Fork Klaskanine River
South Fork Klaskanine River
Youngs River
Rock Creek
Fox Creek
Fall Creek
Lewis And Clark River
Water Rights by Culmulative Percentage
Culmulative percentage of total withdrawals
The ten largest withdrawals
Water Rights by Useage Category
Percent total
agriculture
commercial
domestic
irrigation
hydropower
fish & wildlife
miscellaneous
Use type
Columbia R.
Chum ESU
Coho ESU
Fall Chinook ESU
Total max rate for population equals 184 cfs.
1:250,000

Youngs Bay