

# Shoreline Master Program (SMP) Update

## City of Forks

June, 2011

Rebekah Gentry  
Olympic Natural Resources Center

# Introduction

- ▶ Progress to date
- ▶ Today: Review proposed changes relevant to Forks
- ▶ We want your input
  - Corrections to ICR information
  - Views regarding potential changes
  - Website access to ICR, Preliminary Elements Reports, & maps

# Input Needed

## ▶ Focus on Certain Reaches

- Bogachiel (Mainstem, Mill Creek)

- ▶ Presentation includes all new mainstem breaks although most outside FUGA

- Calawah/Sitkum (Mainstem in UGA, Elk 10)

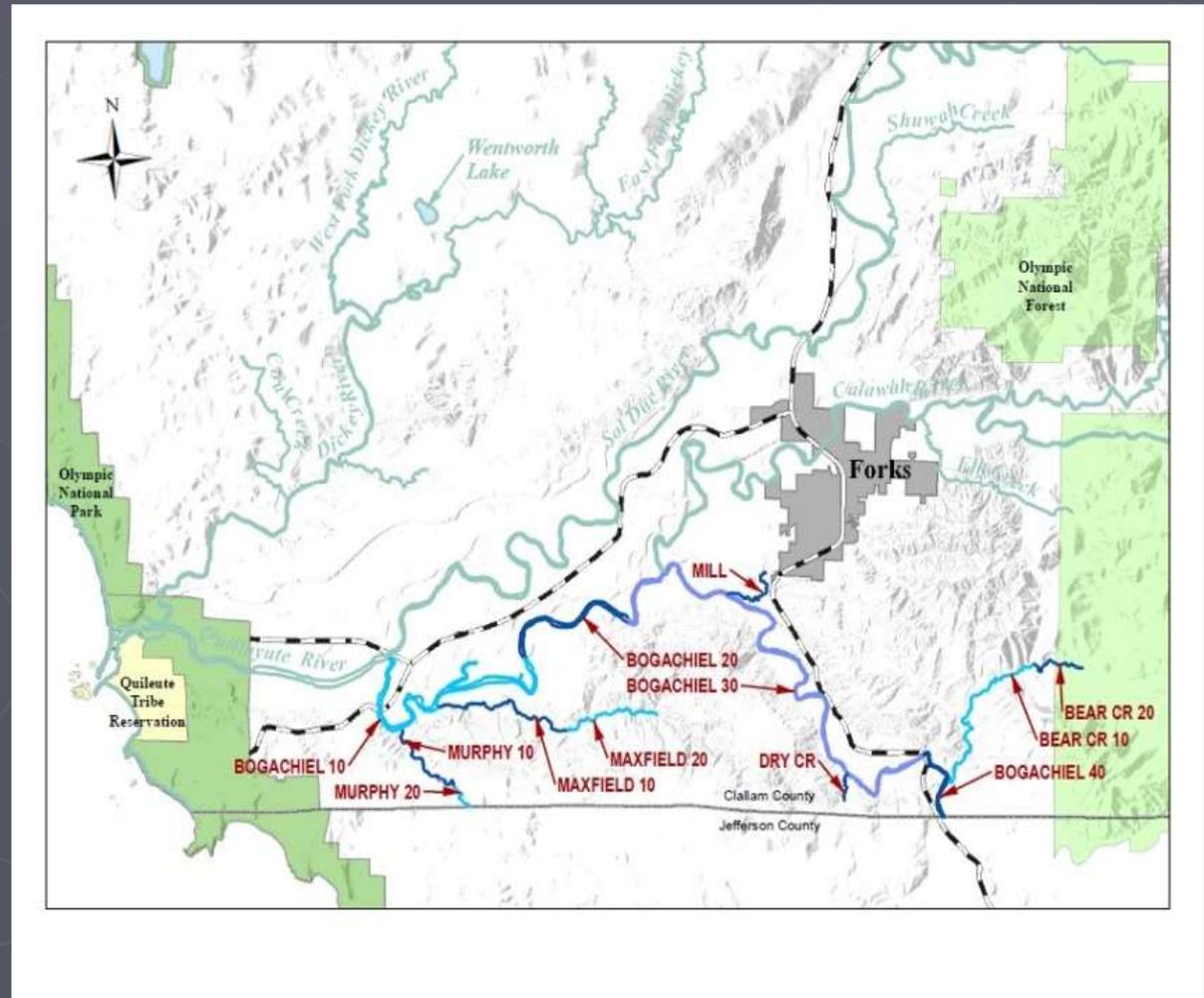
- ▶ Presentation includes ELK 20 & Sitkum changes although outside FUGA

# Bogachiel System

- ▶ Gentle grades, wide meanders, wide floodplain, active channel migration
- ▶ 86.2% Closed canopy; 10.1% other vegetation; 3.6% non-forest
- ▶ FUGA portion ~1 mile; rural light residential in places, but most lands zoned in timberlands
- ▶ Problems: High temperatures, poor LWD, channel incision
- ▶ Healthy salmon stocks, good public access

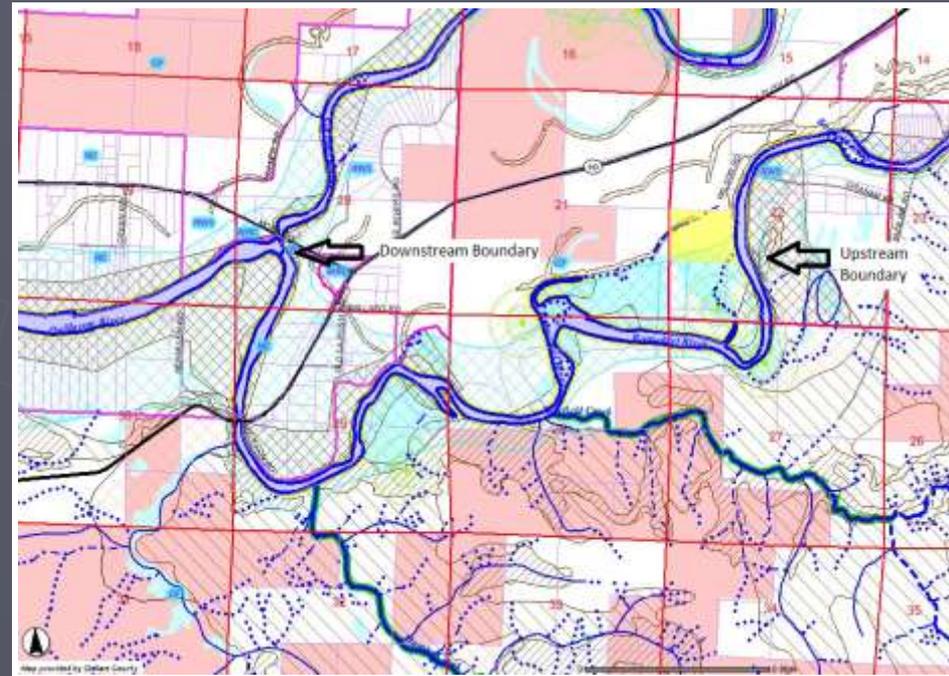
# Bogachiel Reaches: Changes to Consider

- ▶ Mainstem
- ▶ MILL



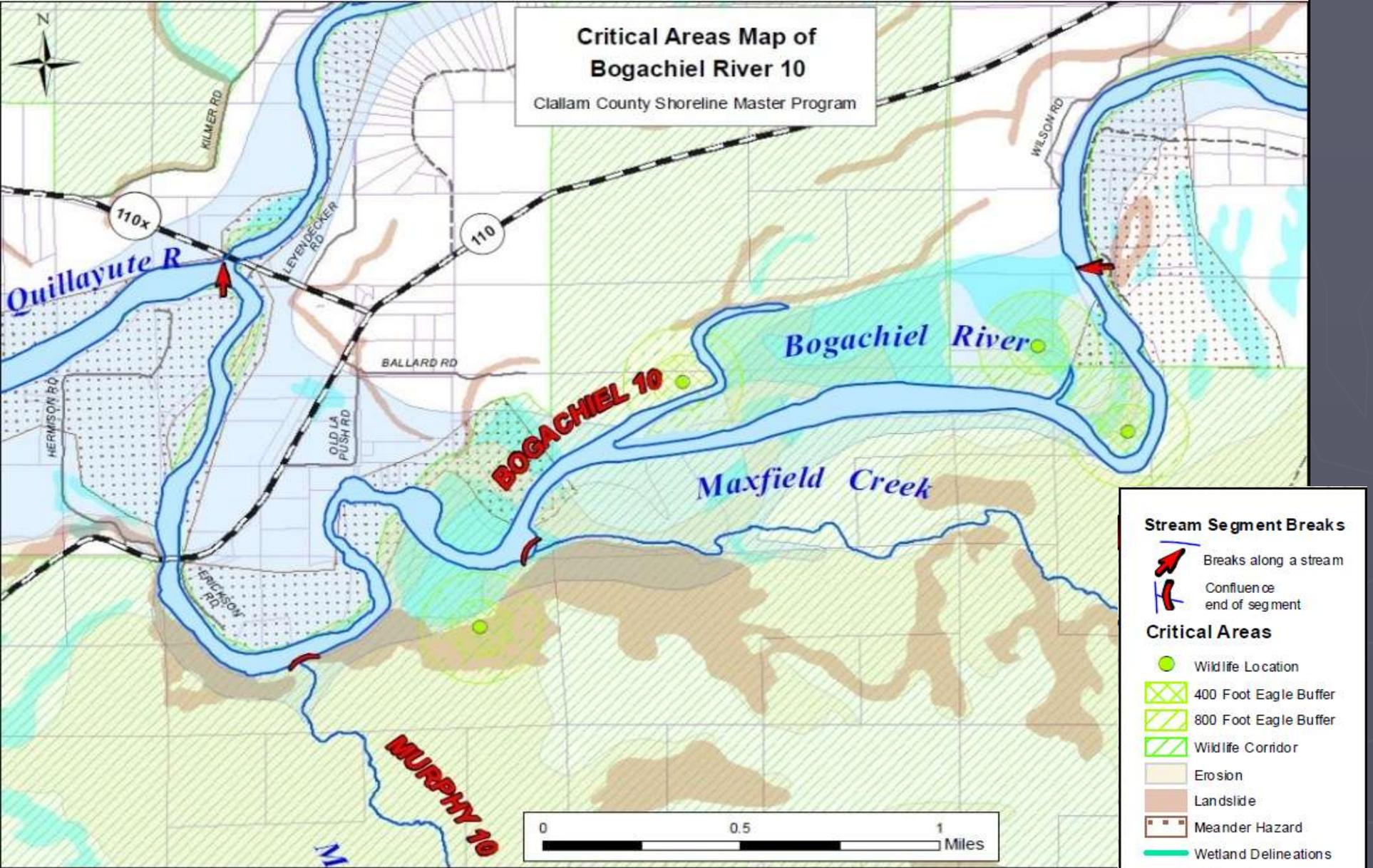
# BOGACHIEL 10: Proposed New Reach

- ▶ Active channel migration and erosion zone
- ▶ Key spawning habitat
- ▶ Riparian cover:
  - 83.6% closed canopy
  - 13.8% other veg
  - 2.7% non-forest
- ▶ Current: rural
- ▶ Proposed: conservancy



# Critical Areas Map of Bogachiel River 10

Clallam County Shoreline Master Program



## Stream Segment Breaks

-  Breaks along a stream
-  Confluence end of segment

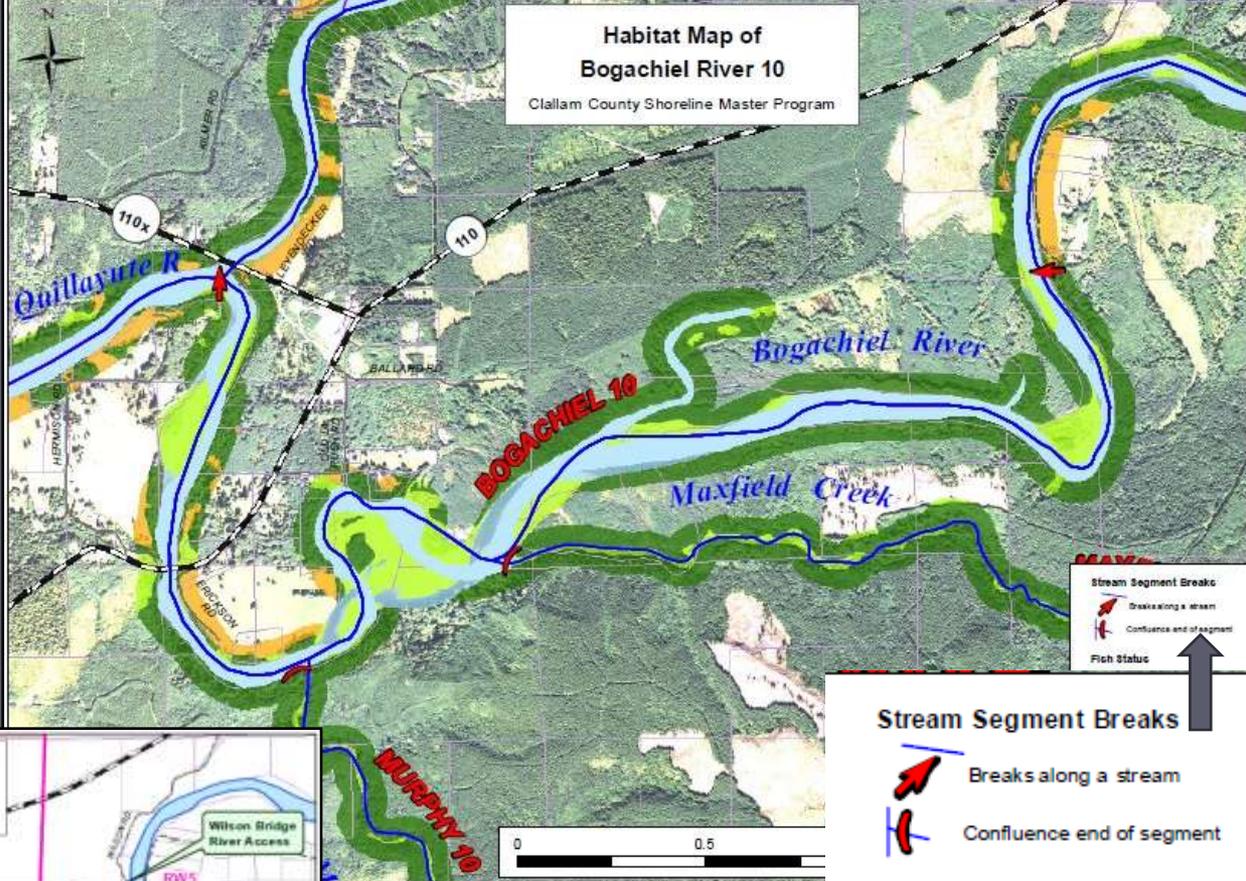
## Critical Areas

-  Wildlife Location
-  400 Foot Eagle Buffer
-  800 Foot Eagle Buffer
-  Wildlife Corridor
-  Erosion
-  Landslide
-  Meander Hazard
-  Wetland Delineations
-  Wetlands
-  FEMA Flood Zone

-  Parcels
-  City of Forks

## Habitat Map of Bogachiel River 10

Clallam County Shoreline Master Program



**Stream Segment Breaks**

- Breaks along a stream
- Confluence end of segment

**Fish Status**

### Stream Segment Breaks

- Breaks along a stream
- Confluence end of segment

### Fish Status

- Known Rearing Habitat
- Known Spawning Habitat
- Presence Documented

### Riparian Habitat

- Closed Canopy
- Non-Forest
- Off-Shore
- Other Natural Vegetation
- Water

- Parcels
- City of Forks

### Stream Segment Breaks

- Breaks along a stream
- Confluence end of segment

### Zoning

- UGA Boundary
- Zoning Boundaries

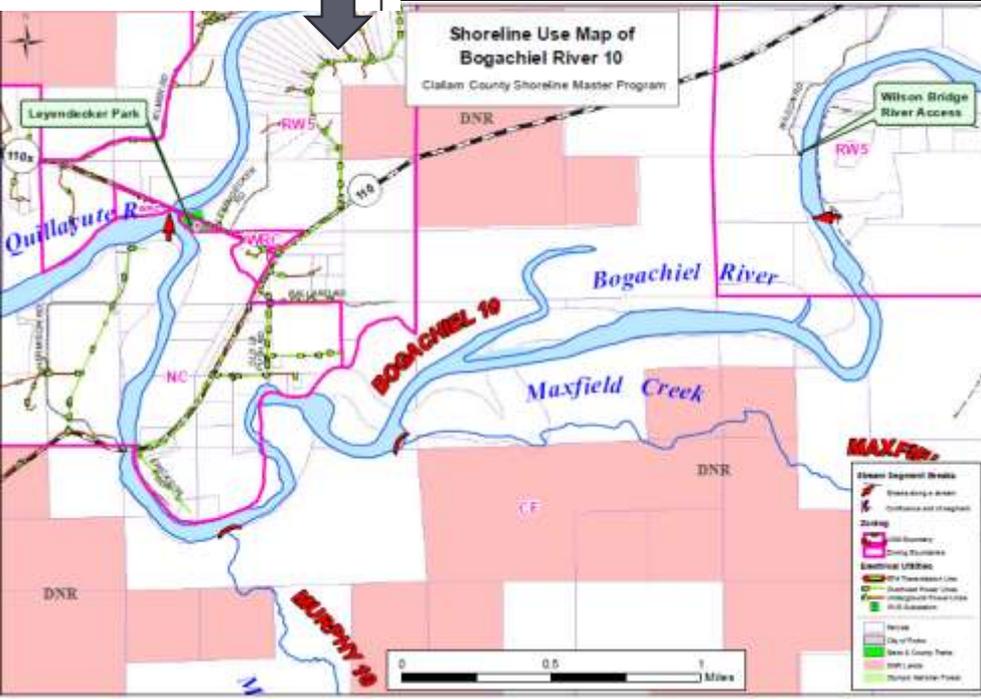
### Electrical Utilities

- BPA Transmission Line
- Overhead Power Lines
- Underground Power Lines
- FUD Substation

- Parcels
- City of Forks
- State & County Parks
- DNR Lands
- Olympic National Forest

### Shoreline Use Map of Bogachiel River 10

Clallam County Shoreline Master Program



### MAXFIELD

**Stream Segment Breaks**

- Breaks along a stream
- Confluence end of segment

**Zoning**

- UGA Boundary
- Zoning Boundaries

**Electrical Utilities**

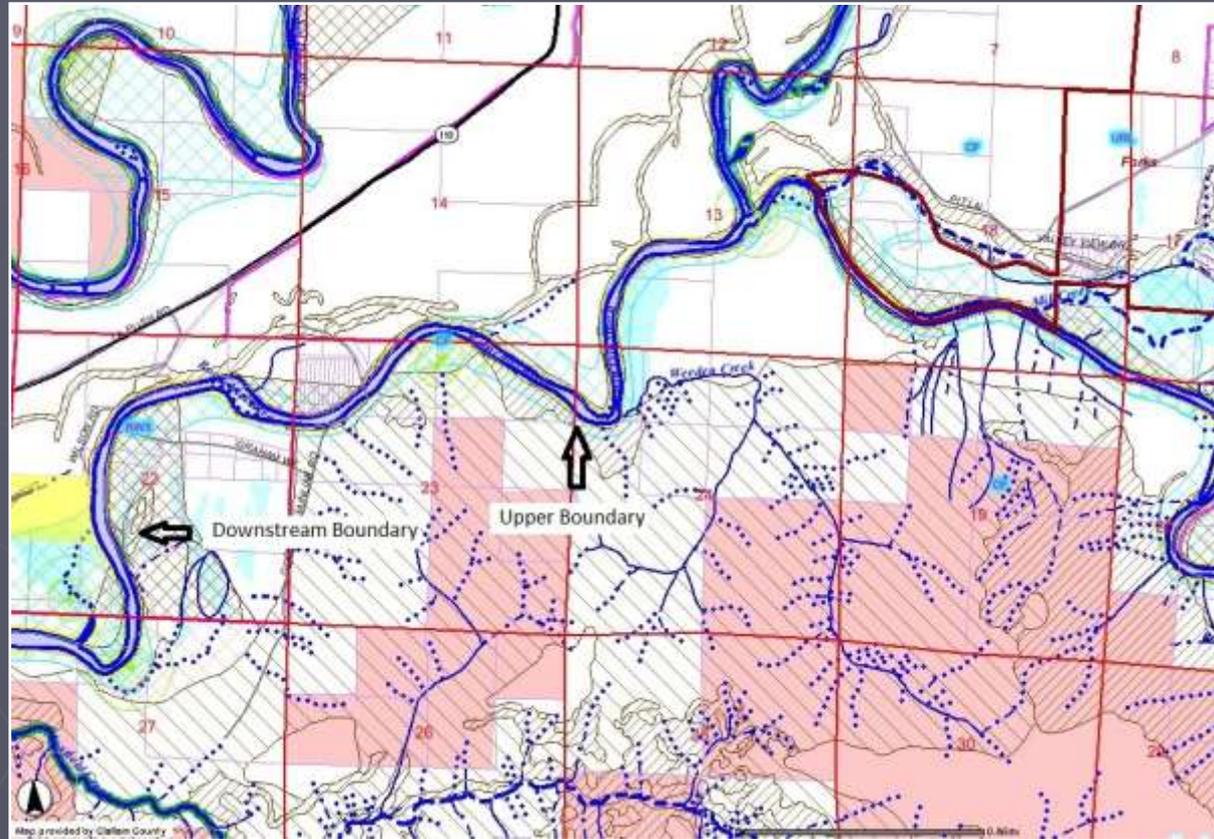
- BPA Transmission Line
- Overhead Power Lines
- Underground Power Lines
- FUD Substation

**Parcels**

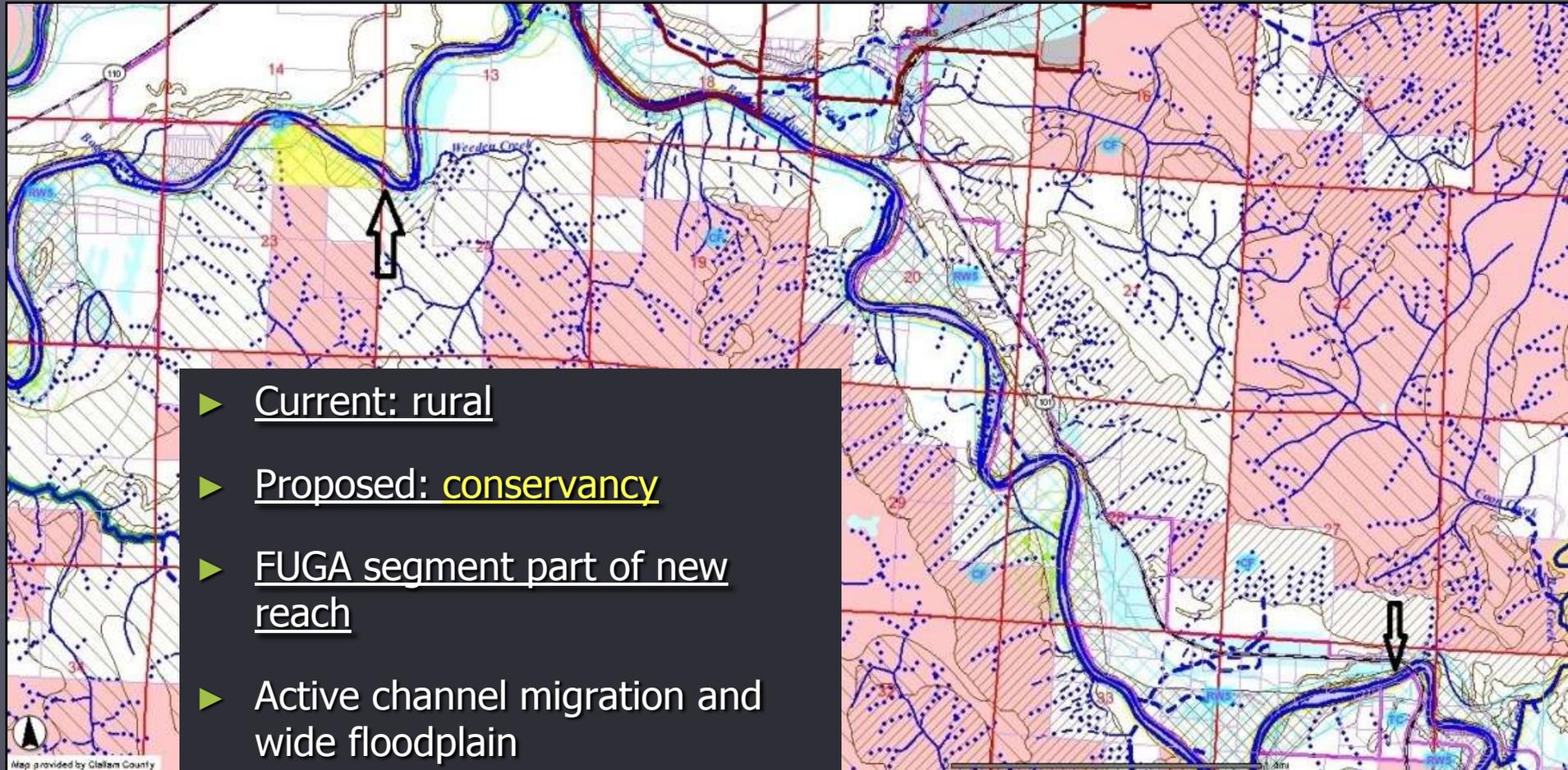
- City of Forks
- State & County Parks
- DNR Lands
- Olympic National Forest

# BOGACHIEL 20: Proposed New Reach

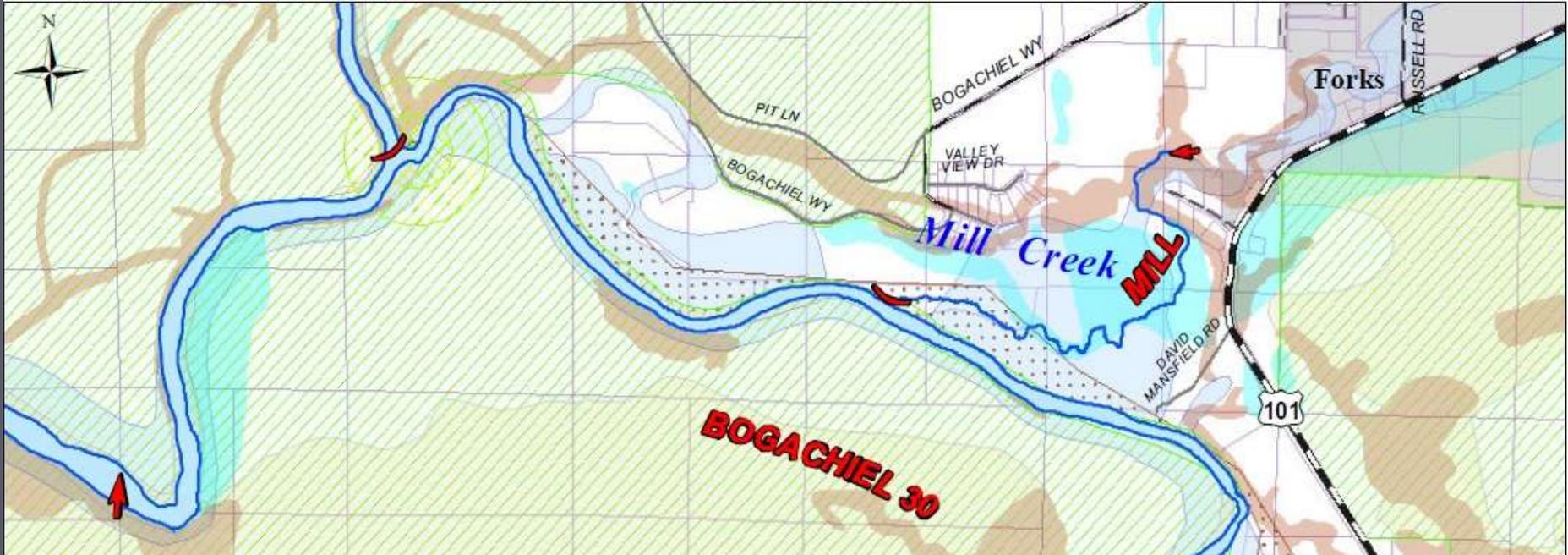
- ▶ Light residential & forestry
- ▶ Riparian cover:
  - 85.9% Closed canopy
  - 10.3% other veg
  - 3.9% non-forest
- ▶ Current: rural
- ▶ Retain Rural



# BOGACHIEL 30: Proposed New Reach



- ▶ Current: rural
- ▶ Proposed: conservancy
- ▶ FUGA segment part of new reach
- ▶ Active channel migration and wide floodplain
- ▶ Forestry, light residential in UGA



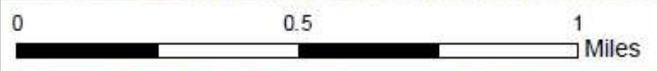
**Stream Segment Breaks**

-  Breaks along a stream
-  Confluence or end of segment

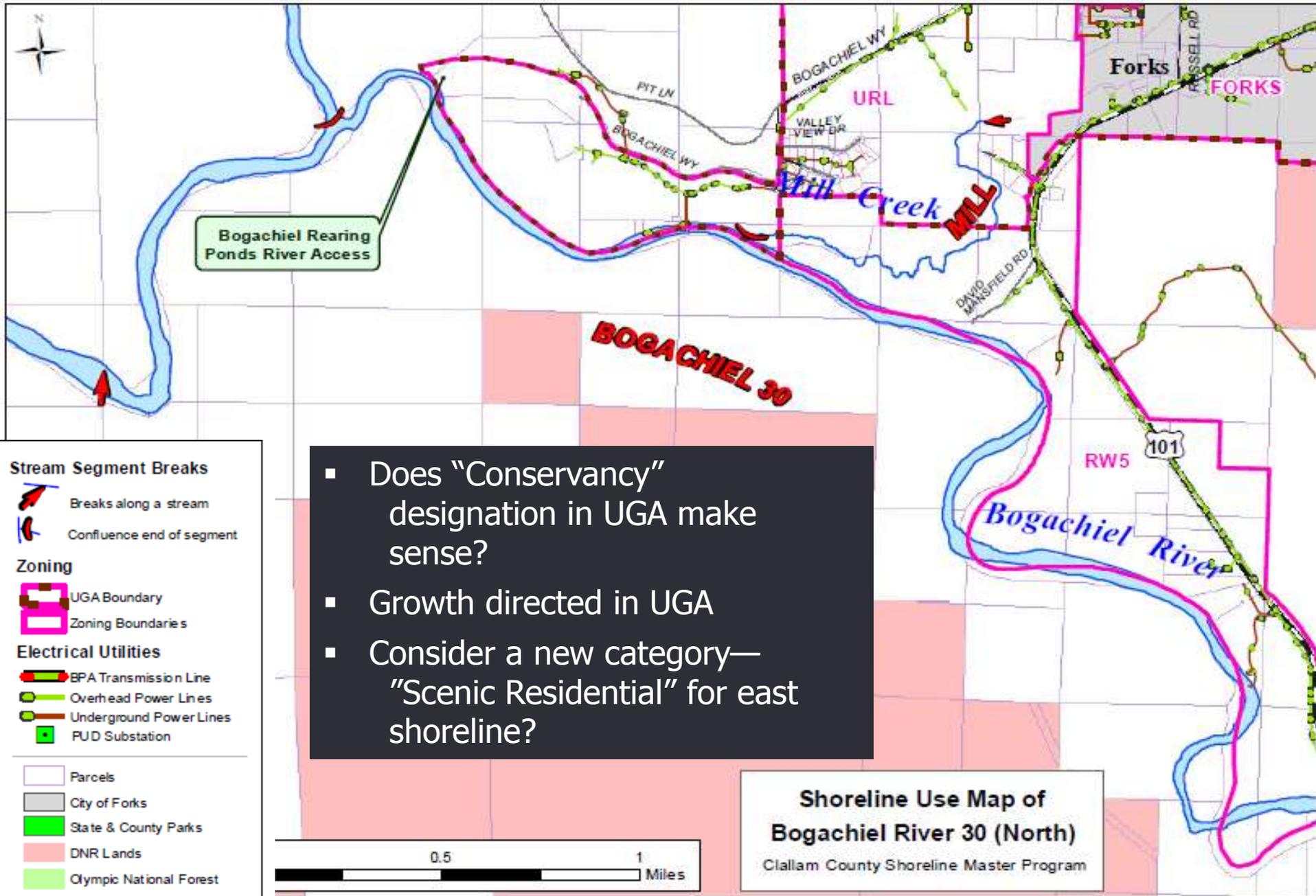
**Critical Areas**

-  Wildlife Location
-  400 Foot Eagle Buffer
-  800 Foot Eagle Buffer
-  Wildlife Corridor
-  Erosion
-  Landslide
-  Meander Hazard
-  Wetland Delineations
-  Wetlands
-  FEMA Flood Zone

-  Parcels
-  City of Forks



**Critical Areas Map of Bogachiel River 30 (North)**  
Clallam County Shoreline Master Program



Bogachiel Rearing Ponds River Access

**BOGACHIEL 30**

Mill Creek

Bogachiel River

Forks

FORKS

URL

RW5

101

- Stream Segment Breaks**
-  Breaks along a stream
  -  Confluence end of segment
- Zoning**
-  UGA Boundary
  -  Zoning Boundaries
- Electrical Utilities**
-  BPA Transmission Line
  -  Overhead Power Lines
  -  Underground Power Lines
  -  FUD Substation

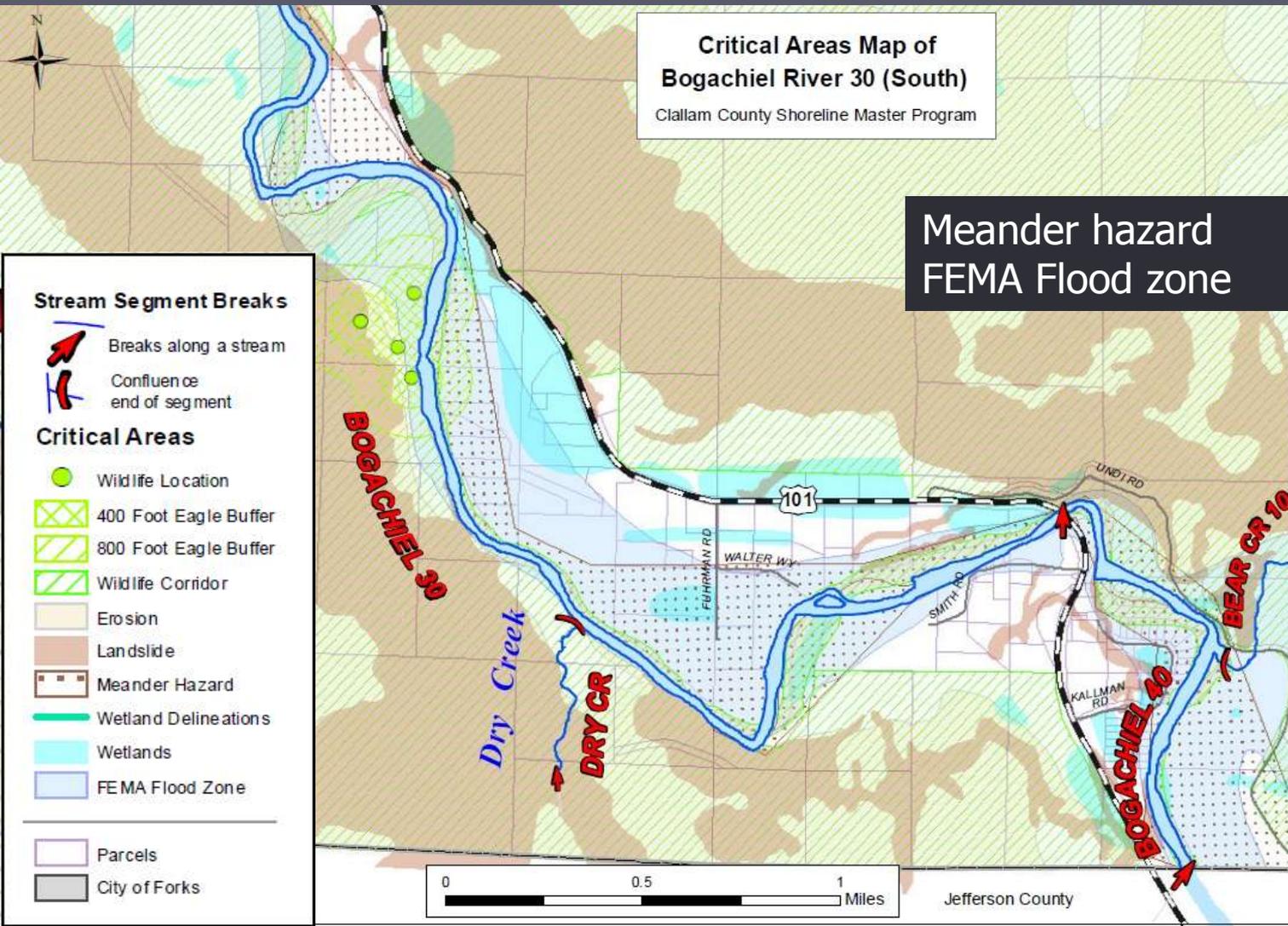
-  Parcels
-  City of Forks
-  State & County Parks
-  DNR Lands
-  Olympic National Forest

- Does "Conservancy" designation in UGA make sense?
- Growth directed in UGA
- Consider a new category—"Scenic Residential" for east shoreline?

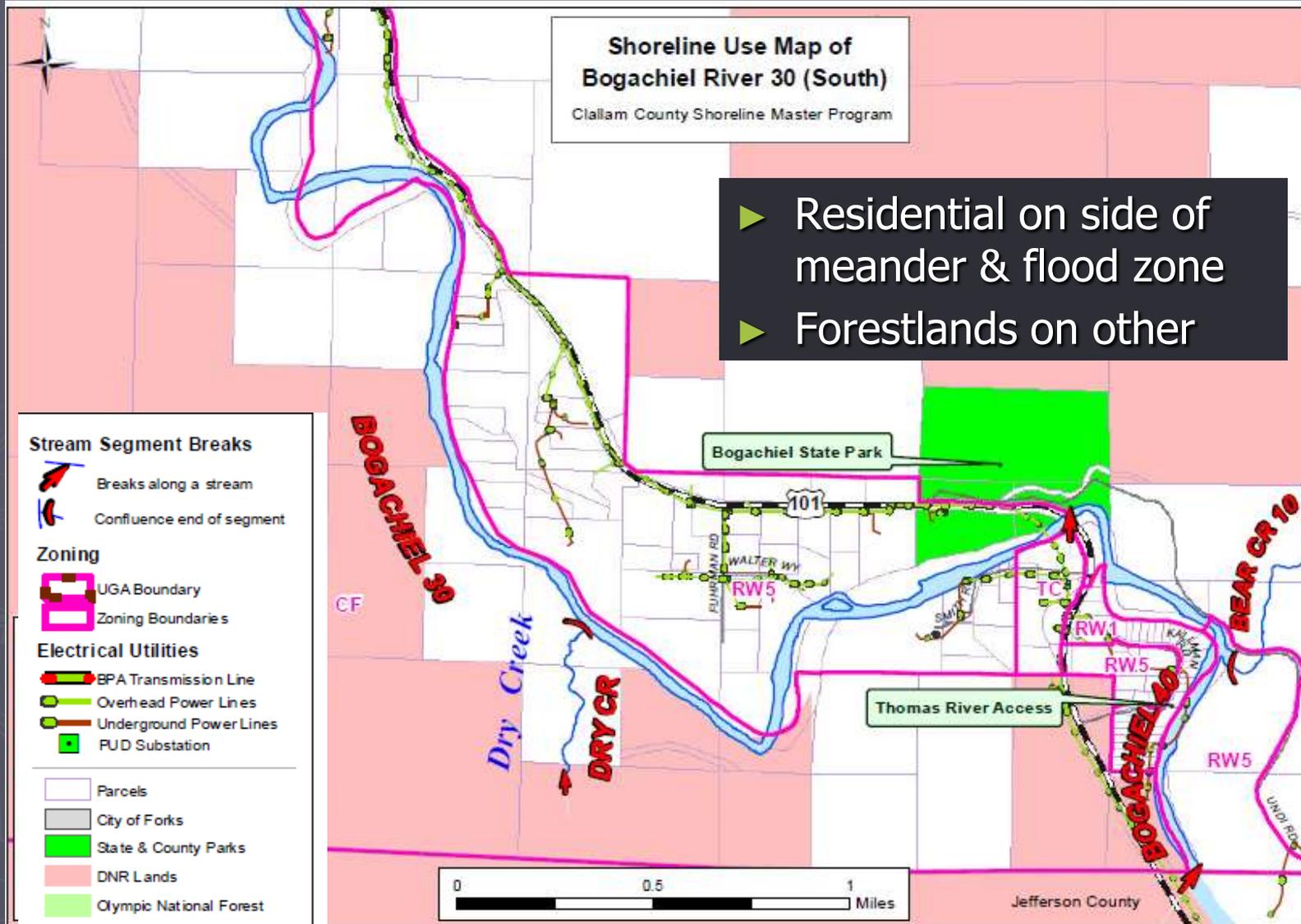


**Shoreline Use Map of Bogachiel River 30 (North)**  
Clallam County Shoreline Master Program

# BOGACHIEL 30: Proposed New Reach— Upstream portion

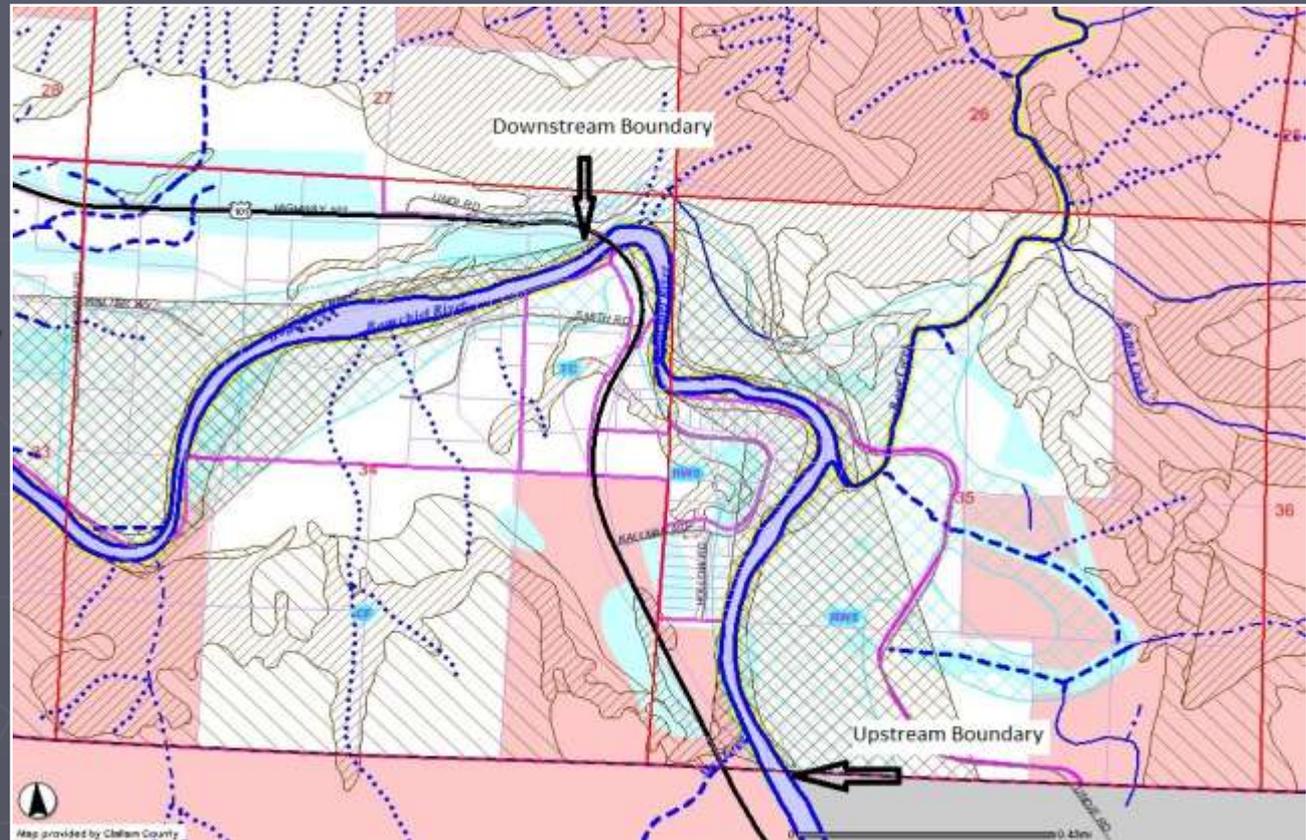


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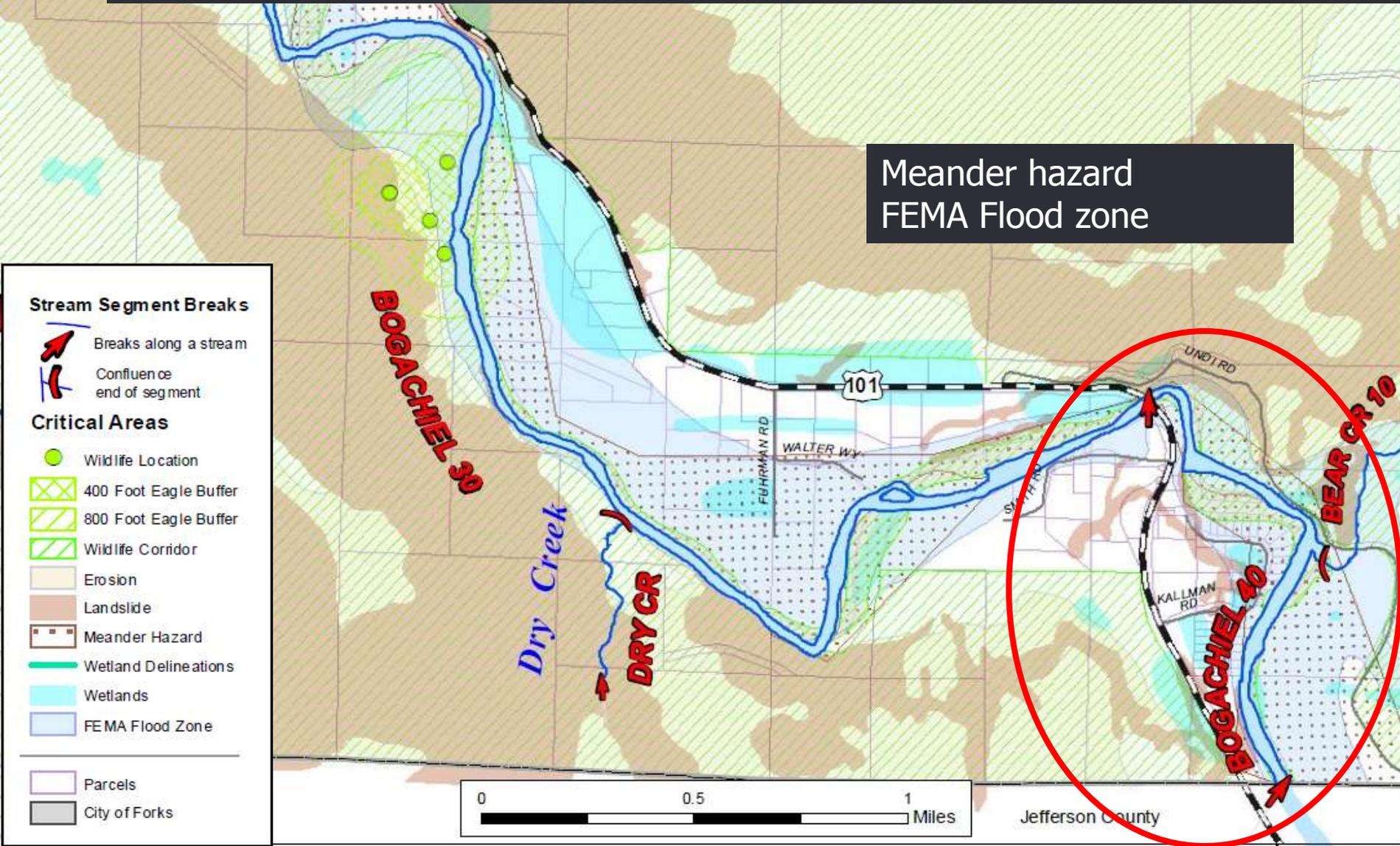


# BOGACHIEL 40: Proposed New Reach

- ▶ Light residential & forestry
- ▶ Riparian cover:
  - 92.5% closed canopy
  - 4.2% other veg
  - 3.3% non-forest
- ▶ Current: Rural
- ▶ Retain Rural



# BOGACHIEL 40: Proposed New Reach (Closeup on next slide)



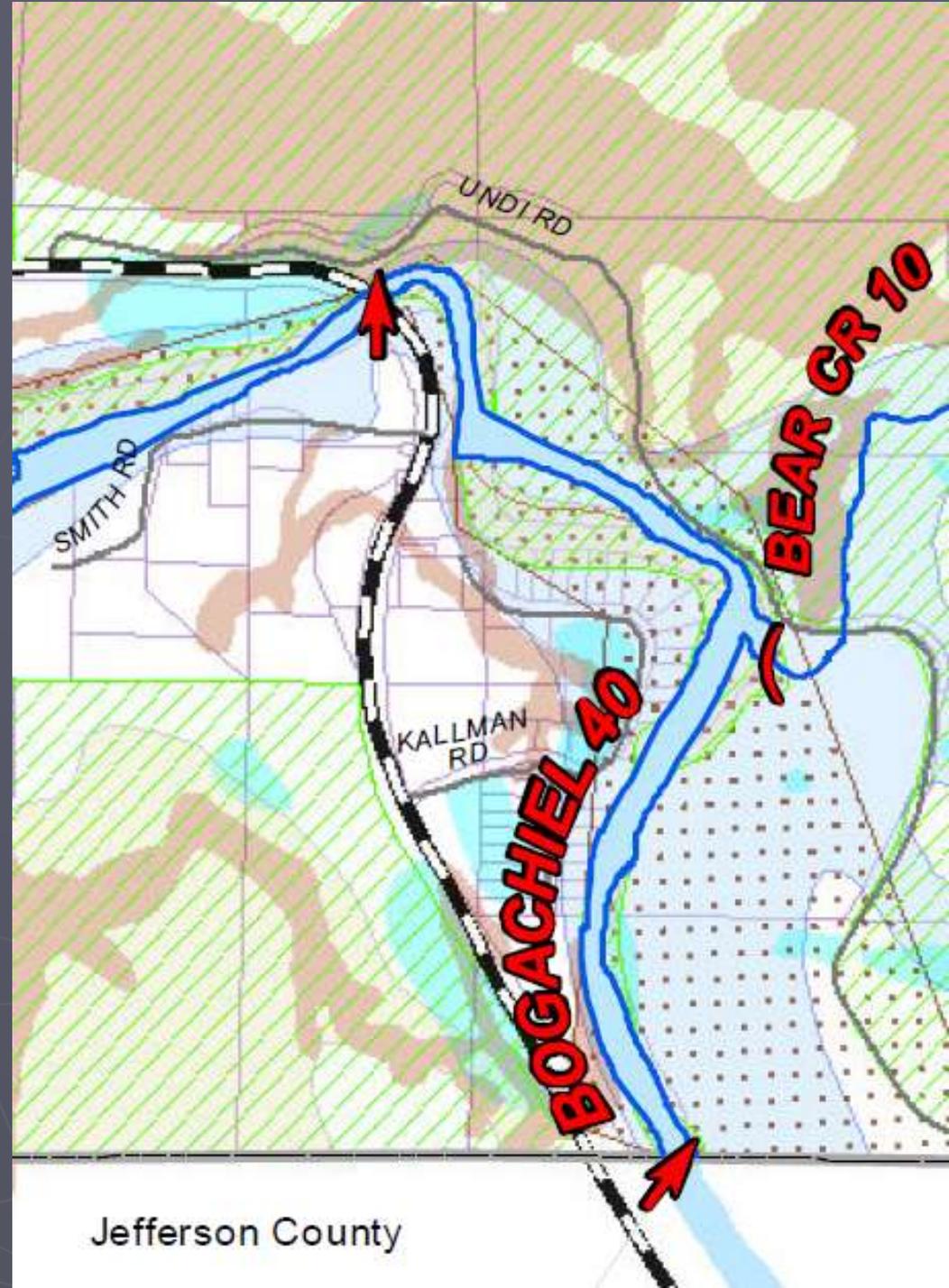
### Stream Segment Breaks

-  Breaks along a stream
-  Confluence end of segment

### Critical Areas

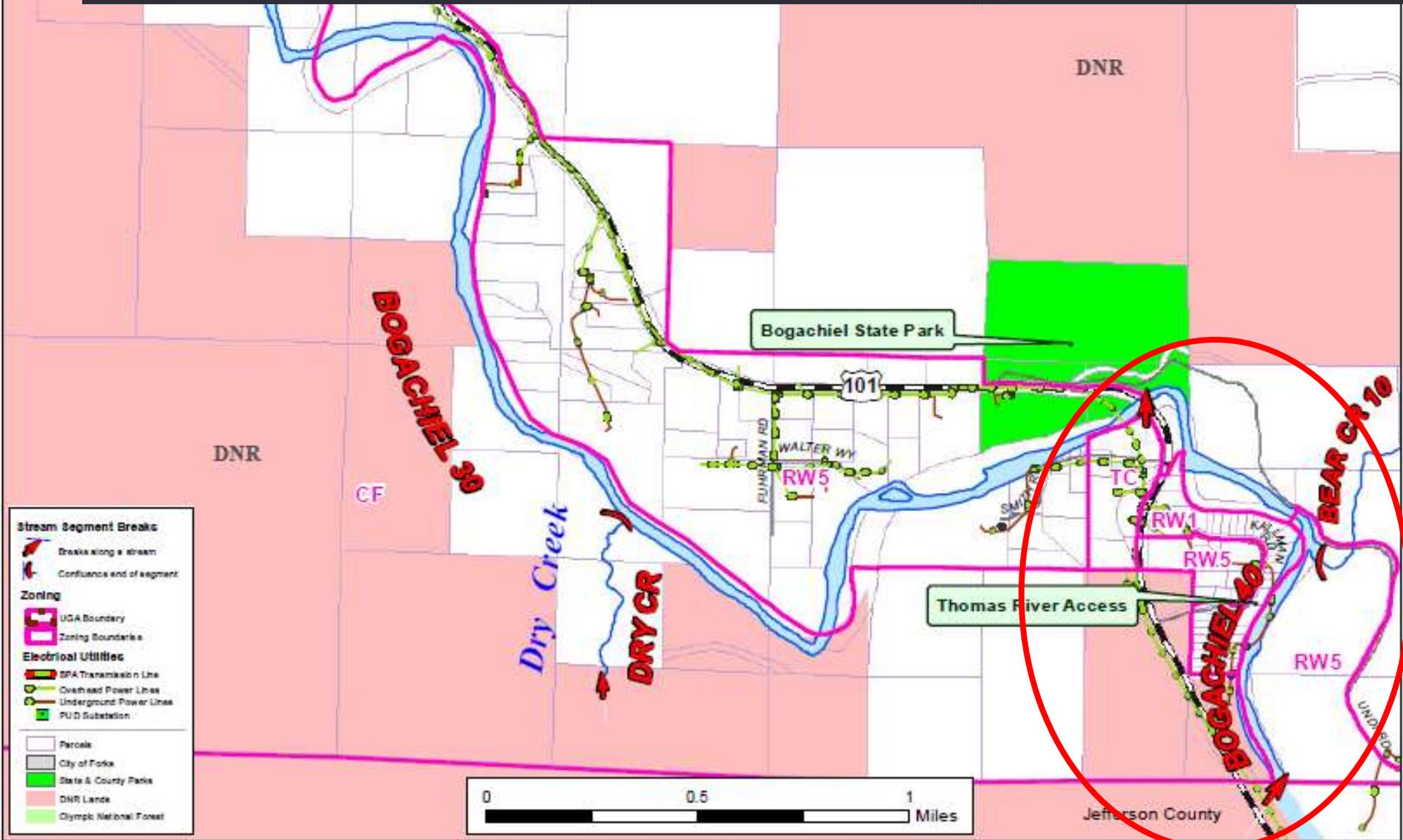
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-  400 Foot Eagle Buffer
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-  Wildlife Corridor
-  Erosion
-  Landslide
-  Meander Hazard
-  Wetland Delineations
-  Wetlands
-  FEMA Flood Zone

-  Parcels
-  City of Forks



Jefferson County

# BOGACHIEL 40: Proposed New Reach (Closeup on next slide)



Bogachiel State Park

Thomas River Access

Stream Segment Breaks

-  Breaks along a stream
-  Confluence end of segment

Zoning

-  UGA Boundary
-  Zoning Boundaries

Electrical Utilities

-  EPA Transmission Line
-  Overhead Power Lines
-  Underground Power Lines
-  FUD Substation

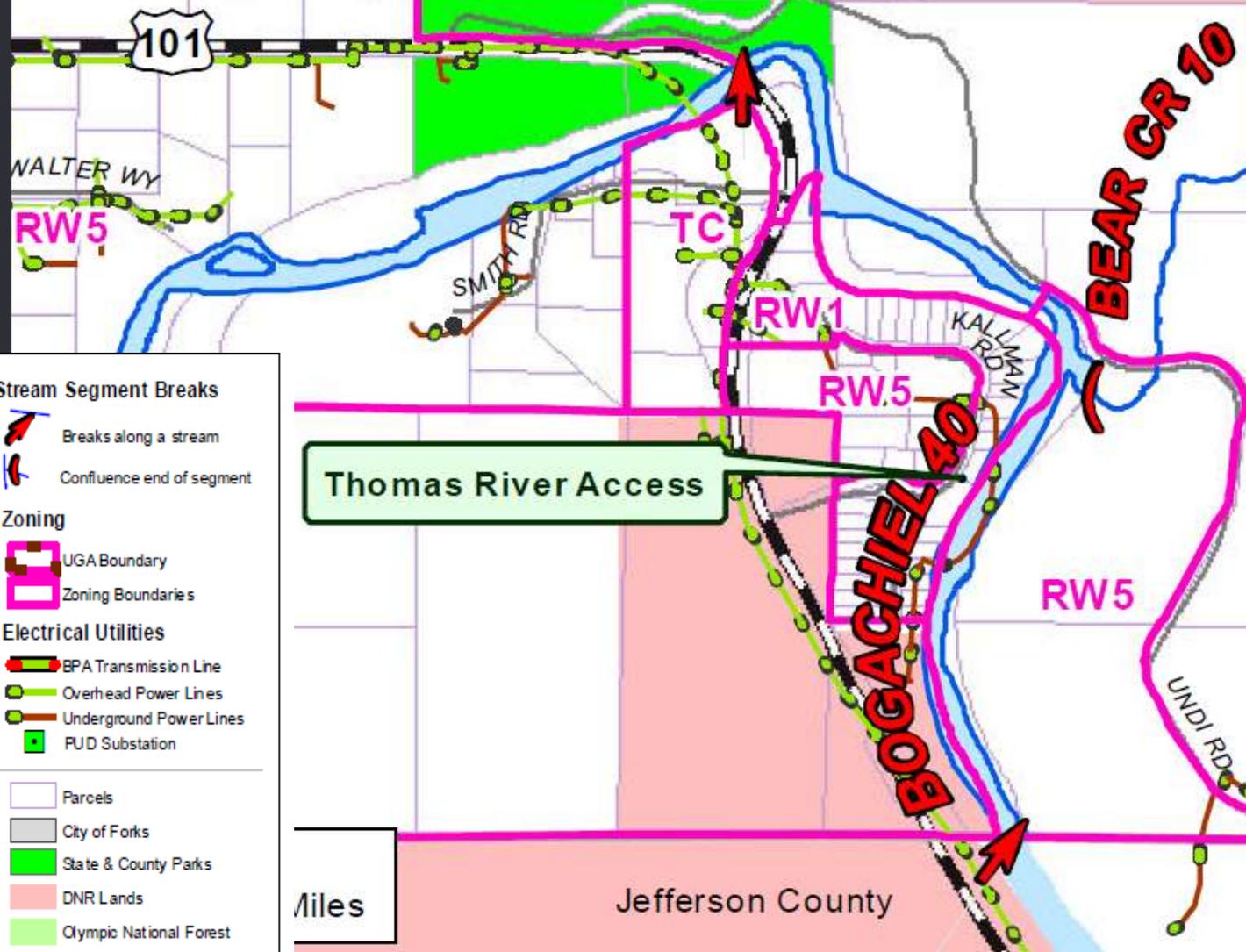
-  Parcels
-  City of Forks
-  State & County Parks
-  DNR Lands
-  Olympic National Forest

Miles

Jefferson County

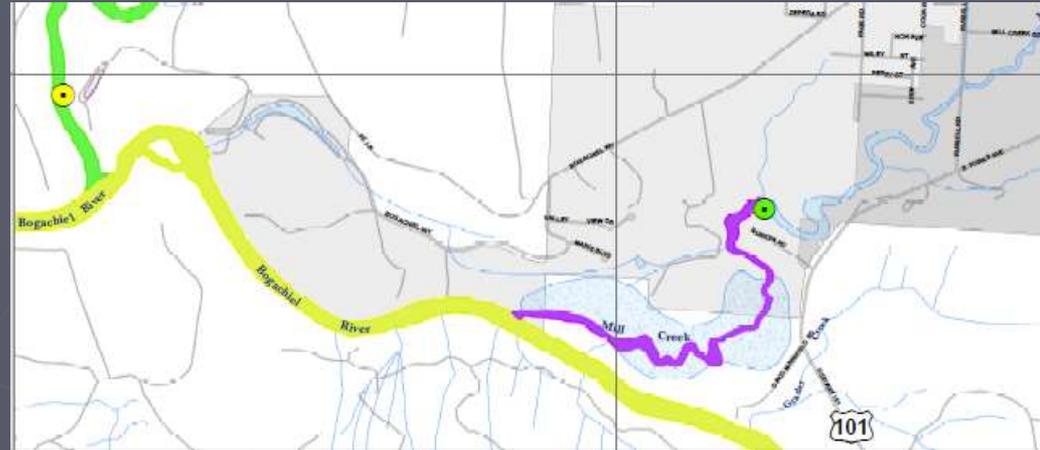
Residential on west shoreline – meander & flood zone

Residential & forestlands on east shoreline – larger meander & flood zone



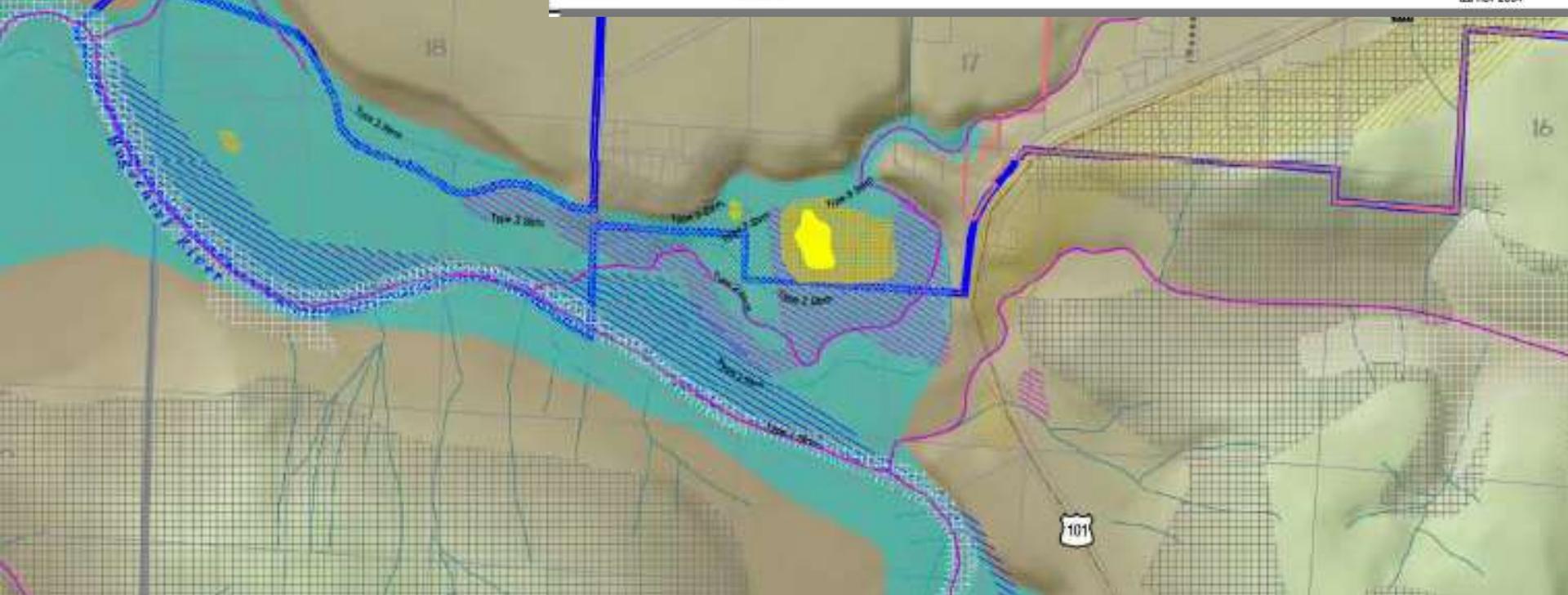
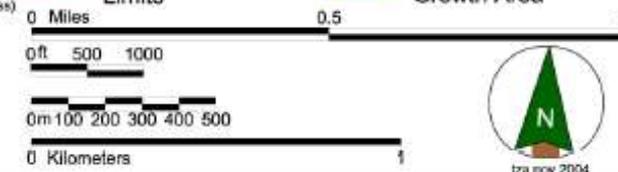
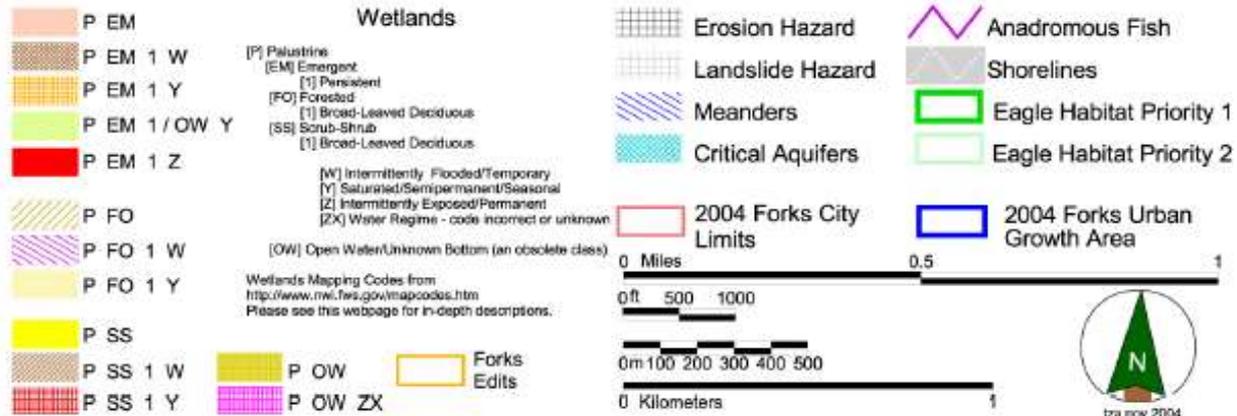
# MILL Creek

- ▶ Wide floodplain
- ▶ Potential wetlands
- ▶ 91.8% closed canopy; 8.2% non-forest
- ▶ Coho, fall chinook, chum winter steelhead spawning
- ▶ Private lands throughout
- ▶ 2 segments in Forks UGA: [ $\sim 0$  -- RM.1] & [ $\sim$ RM.8--1.3]
- ▶ Zoning: URL & RW5 -- Low density residential
- ▶ Land use outside FUGA: commercial timber
- ▶ Proposed: New category-- use & protection-- "scenic residential"





# City of Forks Critical Areas in Urban Growth Area & Vicinity







# City of Forks

## Land Use Zoning

Low Density Commercial	Industrial	Very Low Density Residential
Moderate Density Commercial	Industrial Park	Low Density Residential
High Density Commercial	Public Land (Public Buildings, Parks, Open Space)	Moderate Density Residential
Low Density Commercial / Moderate Density Residential		High Density Residential
Low Density Commercial / High Density Residential		
Moderate Density Commercial / Moderate Density Residential		
Moderate Density Commercial / High Density Residential		
High Density Commercial / High Density Residential		

 City Limits

 Parcels

 City Parks & Rec

 Urban Growth Area



Public Land Survey Sections Townships

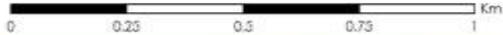
2015 Zoning, 2016 Fees, 2018 City Limits and 2017 UGA by the City of Forks. Historical data from Clallam County is the most available as of 10/20/2018. 2018 Mobile Land Survey areas shown are 014, 016, 017, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 061, 062, 063, 064, 065, 066, 067, 068, 069, 070, 071, 072, 073, 074, 075, 076, 077, 078, 079, 080, 081, 082, 083, 084, 085, 086, 087, 088, 089, 090, 091, 092, 093, 094, 095, 096, 097, 098, 099, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 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993, 994, 995, 996, 997, 998, 999, 1000.



0 0.1 0.2 0.3 0.4 Miles



0 610 1,220 Feet

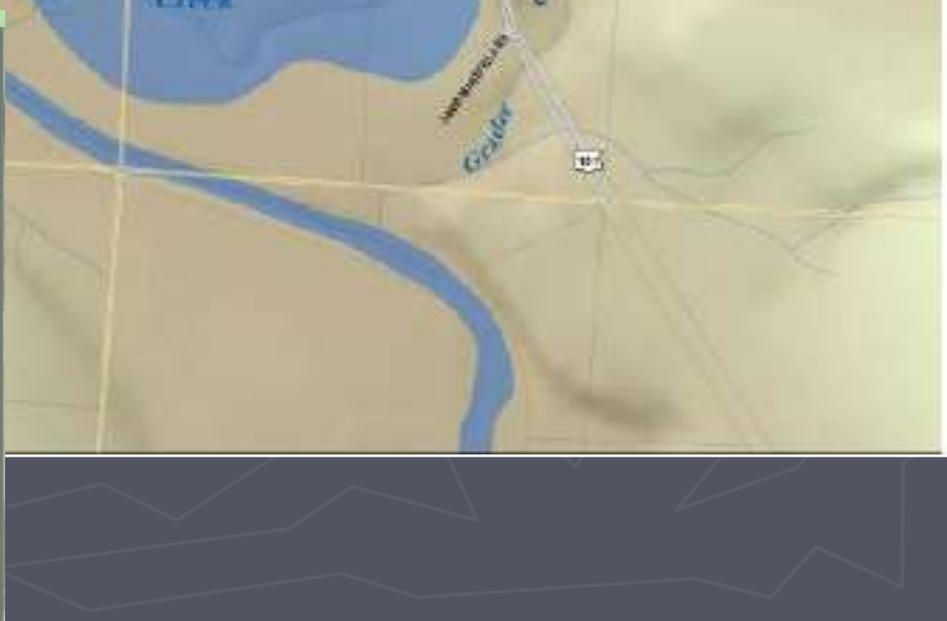


0 0.25 0.5 0.75 1 Km

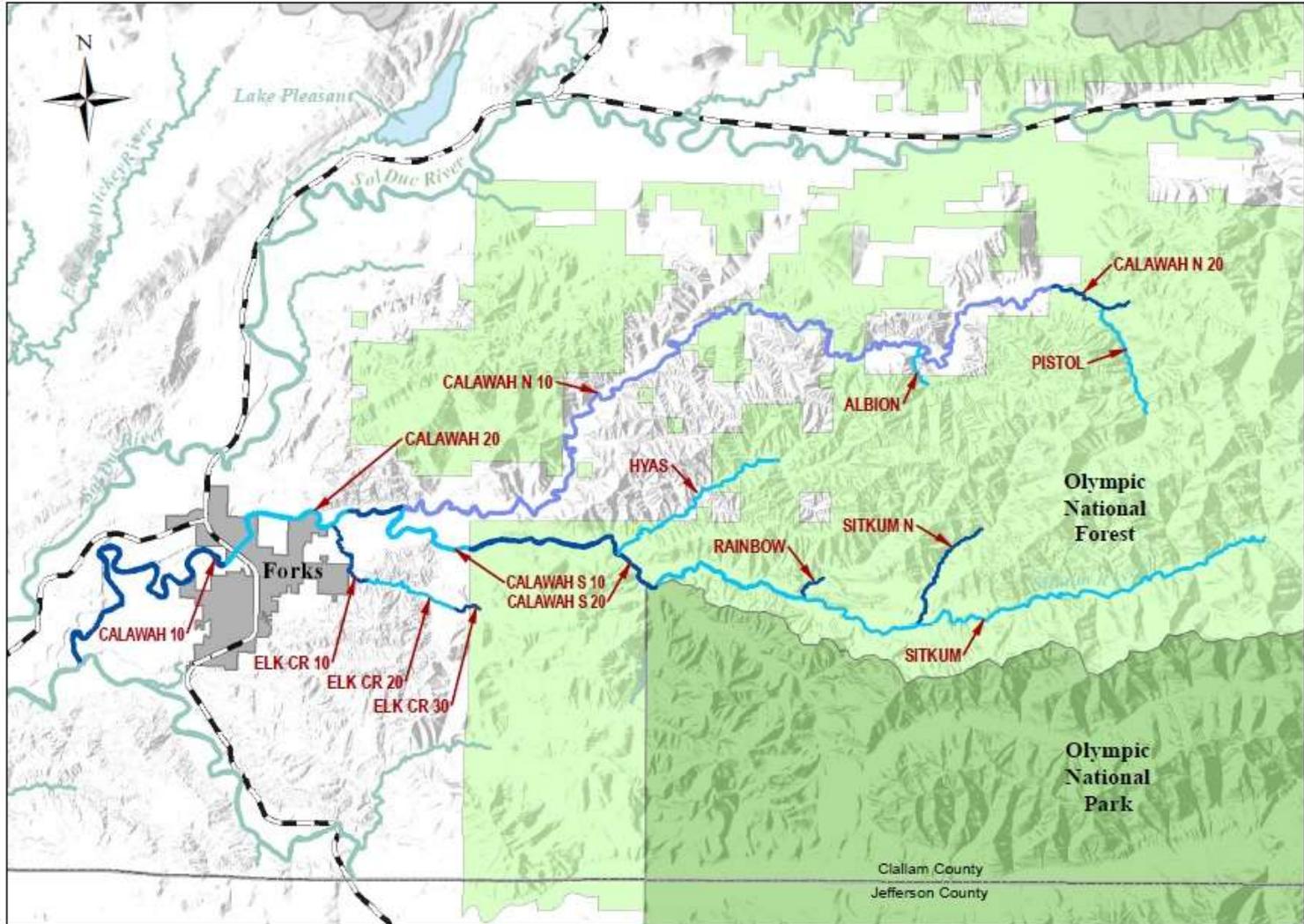


0 160 300 Meters

Original Maps by Terracon 2007  
Mapfile by Yoram Benami 2007



# Calawah/Sitkum



# Calawah/Sitkum

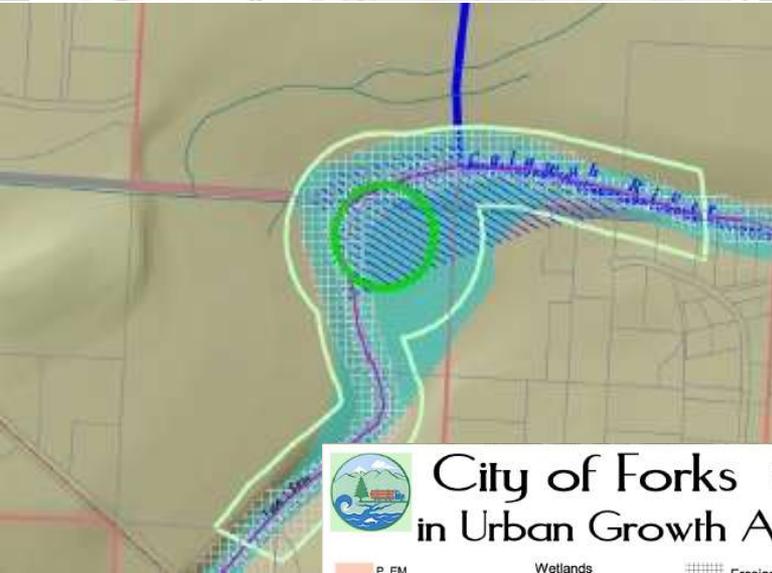
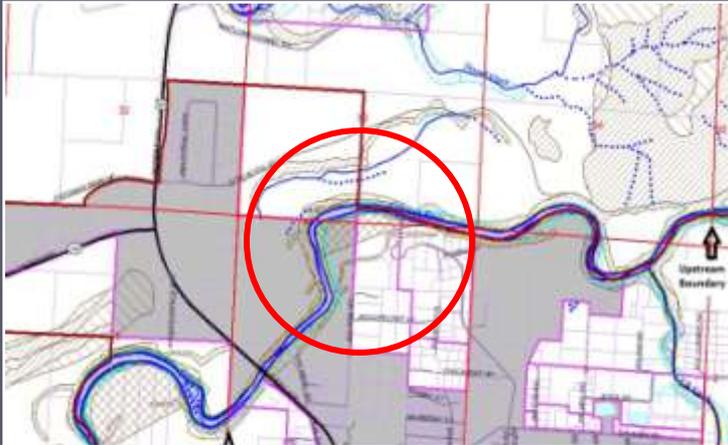
- ▶ Most of system flows through ONF lands no longer intensively logged
- ▶ 1 mile flows through FUGA: currently rural designation for most
- ▶ Salmon runs are healthy
- ▶ Elk Creek, Sitkum, & North Fork sub-basins studied by WSC
- ▶ Key spawning and rearing habitat
- ▶ Riparian: 83.4% closed canopy; 15.2% other natural vegetation, and 4.5% non-forest

# Calawah/Sitkum Key Reaches

- ▶ CALAWAH 20– Oxbow area inside FUGA focus
- ▶ ELK 10 – Boundary change & Conservancy proposed
- ▶ ELK 20 – Boundary change & Natural Designation Proposed
- ▶ Sitkum, NF Sitkum, Rainbow & Lost– Natural Designation proposed

# CALAWAH 20

- ▶ Oxbow-- wide floodplain, meander zone
- ▶ Rural designation
- ▶ Landowner questions data, provides study
- ▶ No change, but protection if needed



## City of Forks Critical Areas in Urban Growth Area & Vicinity

P EM	Wetlands	Erosion Hazard	Anadromous Fish
P EM 1 W	[P] Palustrine	Landslide Hazard	Shorelines
P EM 1 Y	[EM] Emergent	Meanders	Eagle Habitat Priority 1
P EM 1 / OW Y	[T] Terrestrial	Critical Aquifers	Eagle Habitat Priority 2
P EM 1 Z	[F] Forested	2004 Forks City Limits	2004 Forks Urban Growth Area
P FO	[D] Deciduous	0 Miles	0.5
P FO 1 W	[S] Shrub	0ft 500 1000	0m 100 200 300 400 500
P FO 1 Y	[T] Broad-Leaved Deciduous	0 Kilometers	1
P SS	[S] Shrub		
P SS 1 W	[T] Broad-Leaved Deciduous		
P SS 1 Y	[T] Broad-Leaved Deciduous		

Wetlands Mapping Codes from <http://www.mdeq.gov/etp/etpdocs.htm>  
Please see this webpage for in-depth descriptions.

City of Forks  
tza nov 2004

## City of Forks Land Use Zoning

Low Density Commercial	Industrial	Very Low Density Residential
Moderate Density Commercial	Industrial Park	Low Density Residential
High Density Commercial	Public Land (Public Buildings, Parks, Open Space)	Moderate Density Residential
Low Density Commercial / Moderate Density Residential		High Density Residential
Low Density Commercial / High Density Residential		
Moderate Density Commercial / Moderate Density Residential		
Moderate Density Commercial / High Density Residential		
High Density Commercial / High Density Residential		

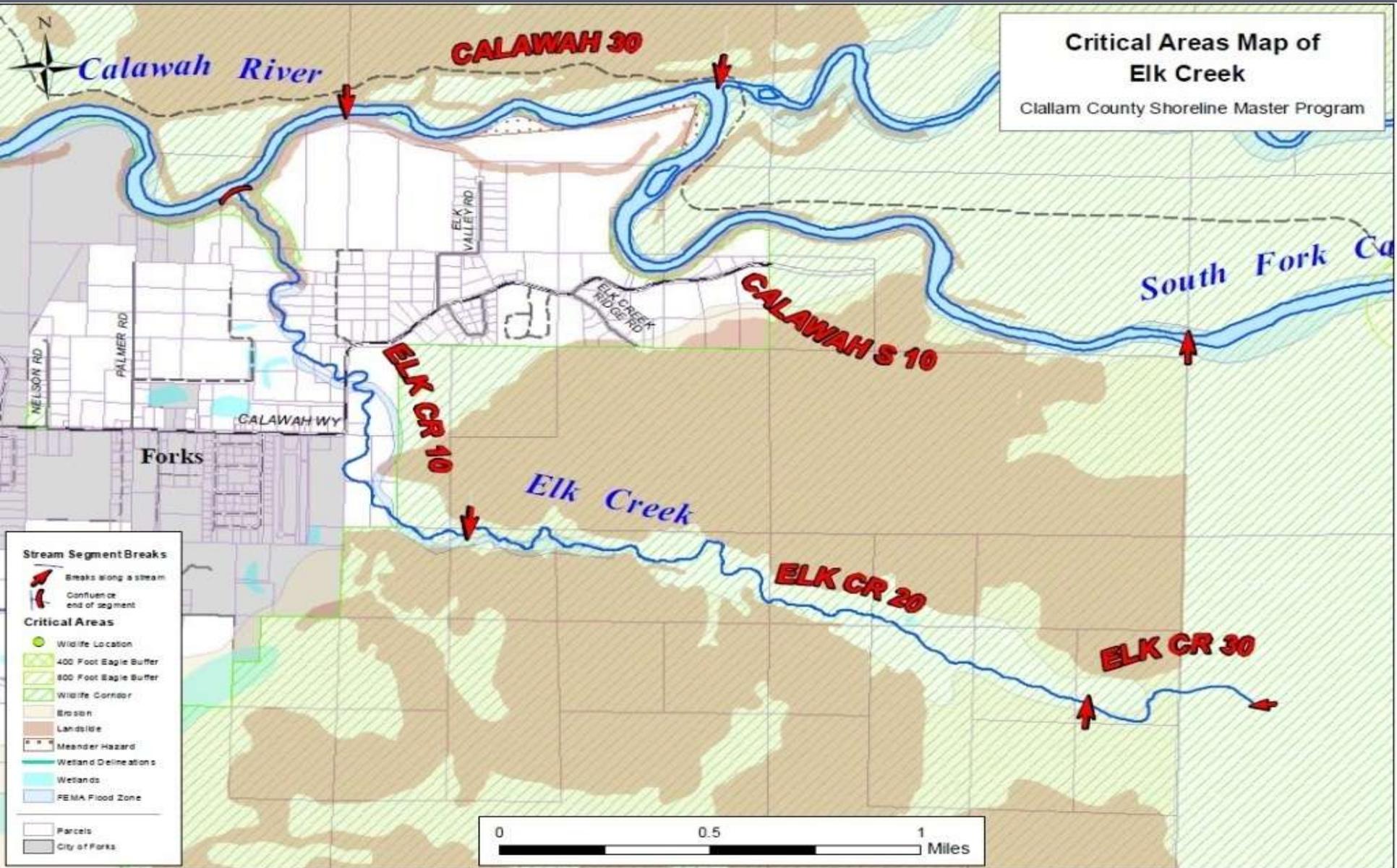
City Limits, Parcels, City Parks & Rec, Open Growth Area, Public Land Survey Sections, Townships

0 0.1 0.2 0.3 0.4 Miles  
0 0.25 0.5 0.75 1 Km

0 610 1,220 Feet  
0 140 320 Meters

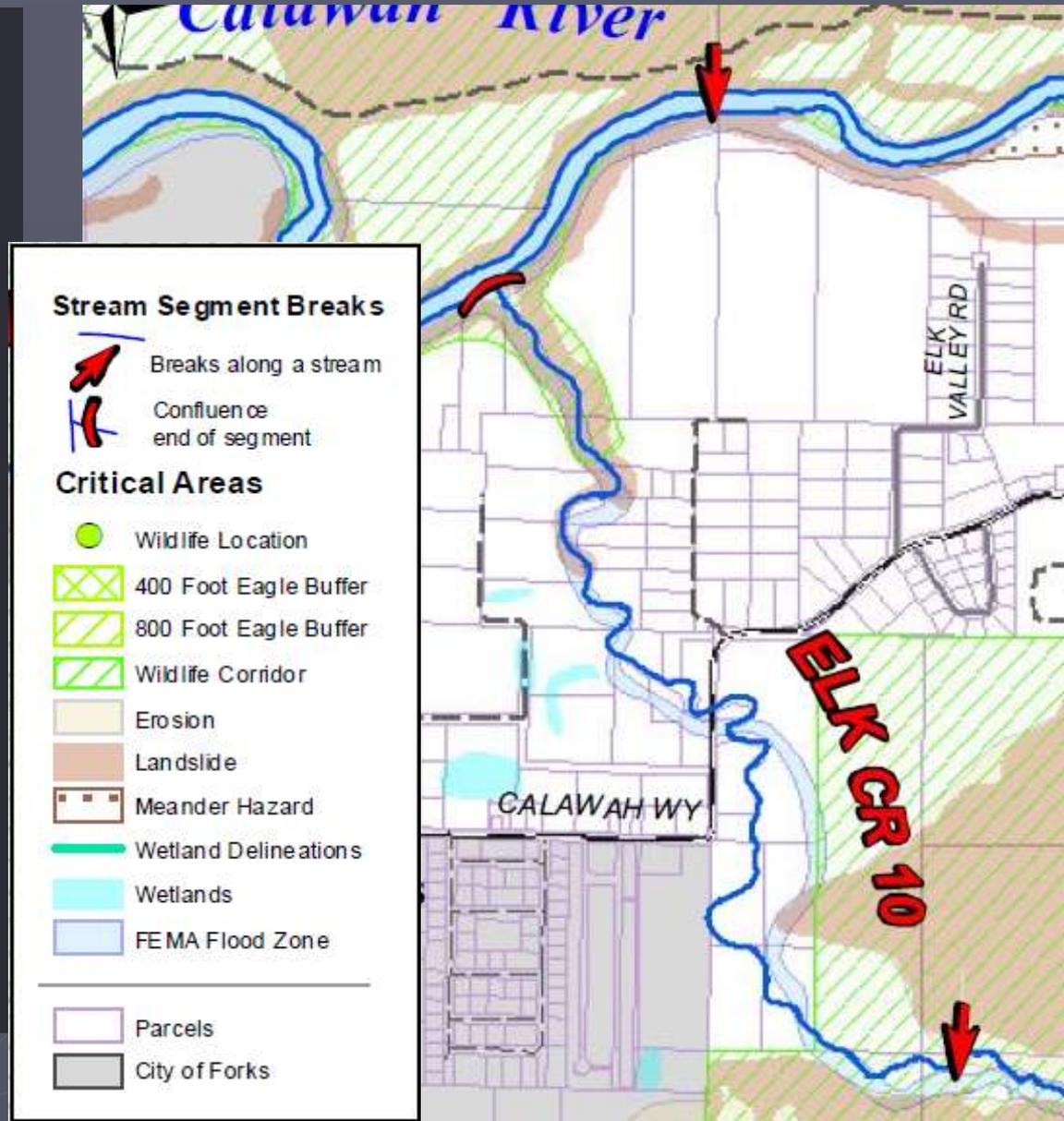
Original Map by: Revised by: Nov 2007  
Map by: Forks Planning Department

# ELK 10 & 20– closeups next slides



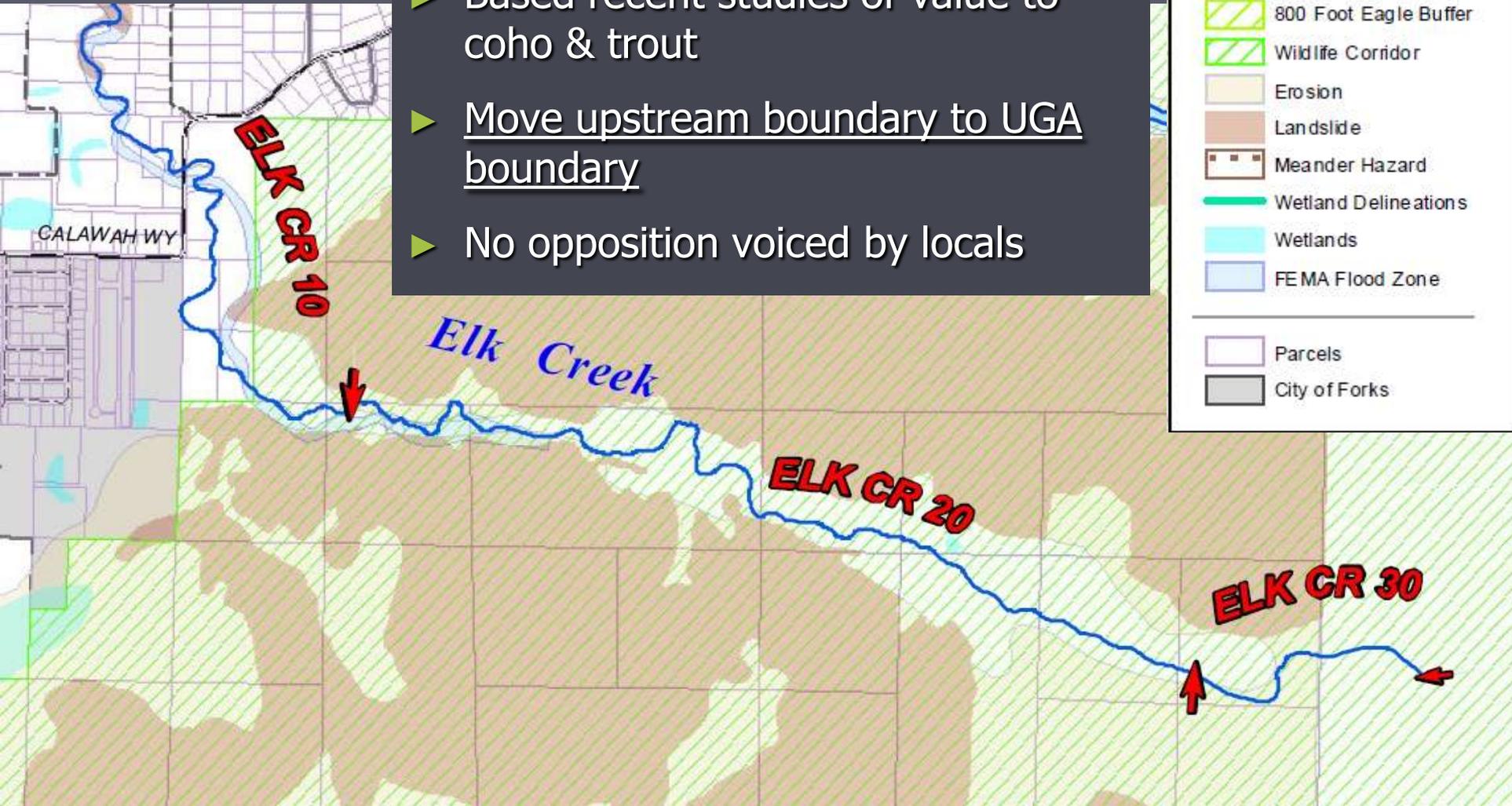
# ELK 10 Closeup CA

- ▶ Landslide and FEMA flood zone
- ▶ Current- Rural
- ▶ WSC proposal– Conservancy
  - Based on recent studies of value to coho & trout
- ▶ Move upstream boundary to UGA boundary
- ▶ Locals oppose & question data
- ▶ New designation category?
  - “Scenic residential?”

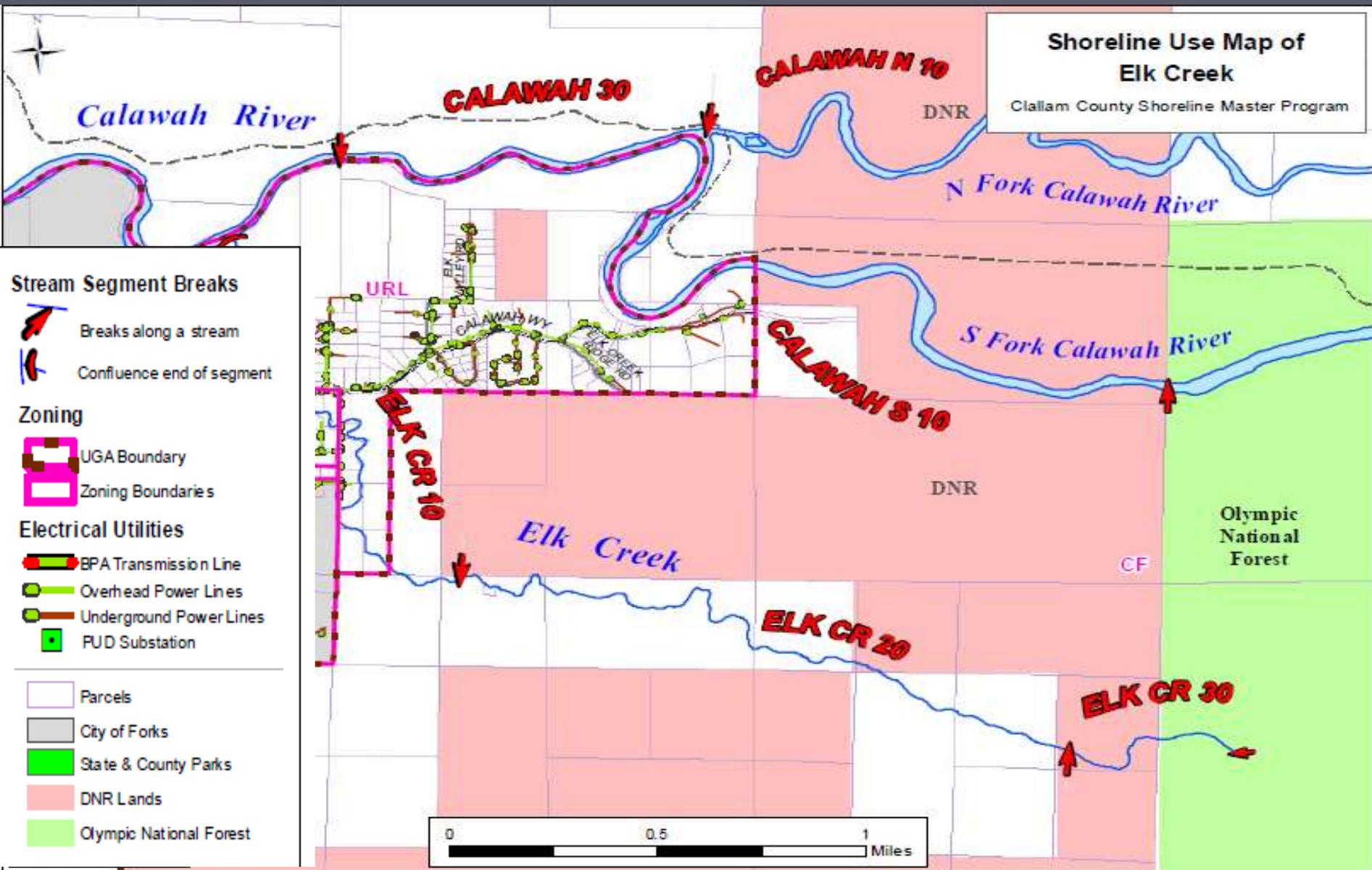


# ELK 20

- ▶ FEMA flood zone
- ▶ Owned by Land Trust
- ▶ WSC proposed- Break change & natural designation
- ▶ Based recent studies of value to coho & trout
- ▶ Move upstream boundary to UGA boundary
- ▶ No opposition voiced by locals



# ELK 10 & 20 Zoning



# Sitkum, NF Sitkum, Rainbow & Lost

- ▶ Riparian:
  - 92.7% closed canopy;
  - 7.1% other natural vegetation, and
  - 0.1% non-forest
- ▶ Federal ownership
- ▶ Much of landscape in old growth— late successional reserve status
- ▶ WSC proposed Natural designation
- ▶ No local opposition voiced
- ▶ May offset some loosening of restrictions

