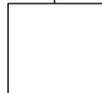
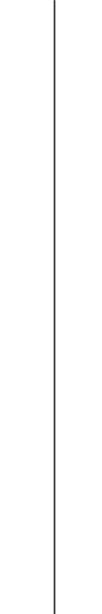


# Recovery Plan Program Implementation: East Fork Lewis River Watershed Pilot Study





4 species of fish in SW WA  
Listed as "Threatened"  
under ESA



*Lower Columbia Recovery And  
Fish & Wildlife Subbasin Plan*

**1995**

**1999**

**2004**

**2010**

**2019**



4 species of fish in SW WA  
Listed as "Threatened"  
under ESA

*Lower Columbia Recovery And  
Fish & Wildlife Subbasin Plan*

NOAA Officially  
Adopts Recovery Plan

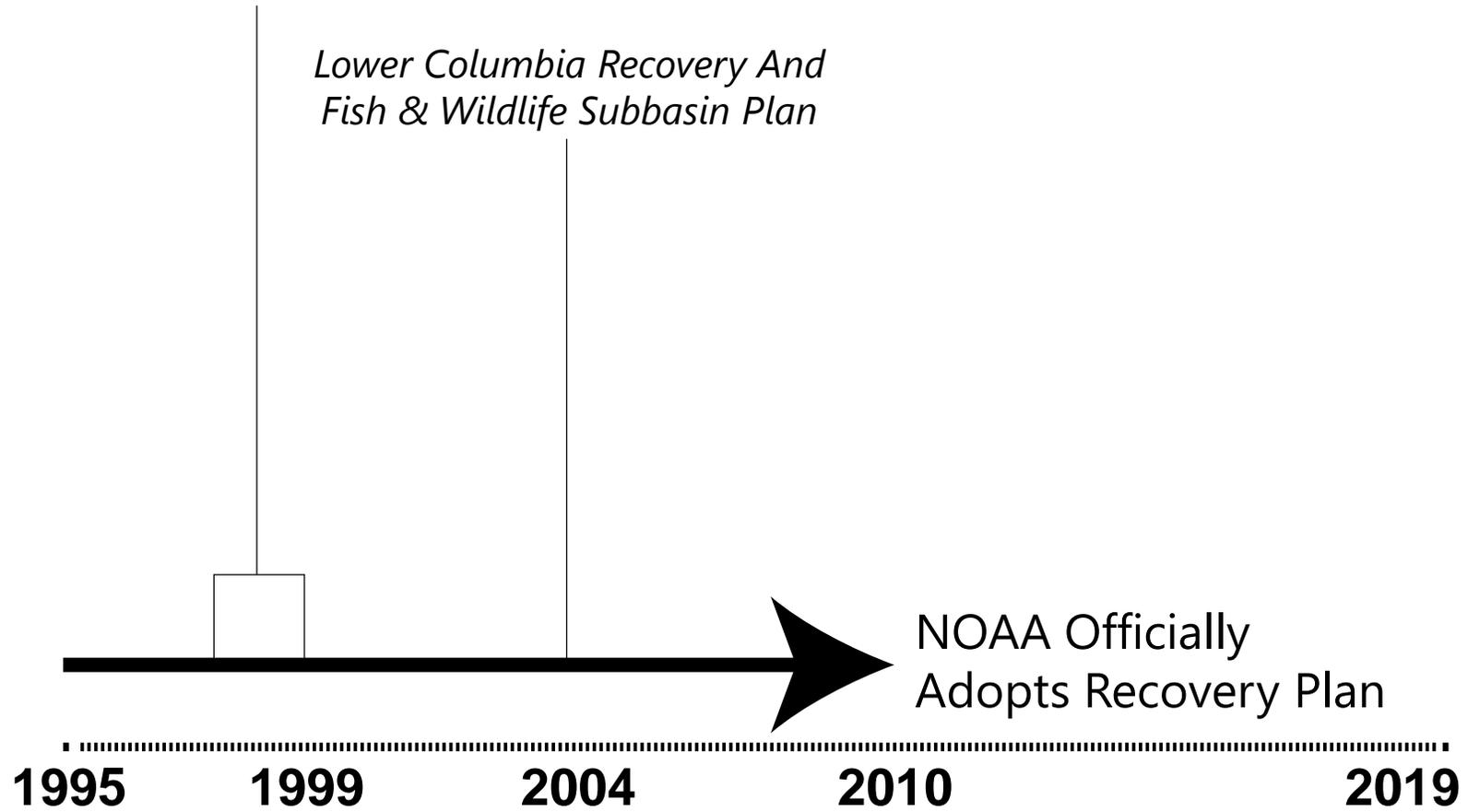
1995

1999

2004

2010

2019



# Recovery Plan

Goals

Threats

Strategies

Priorities

**Recovery Partners**

**Programs**

**Actions**



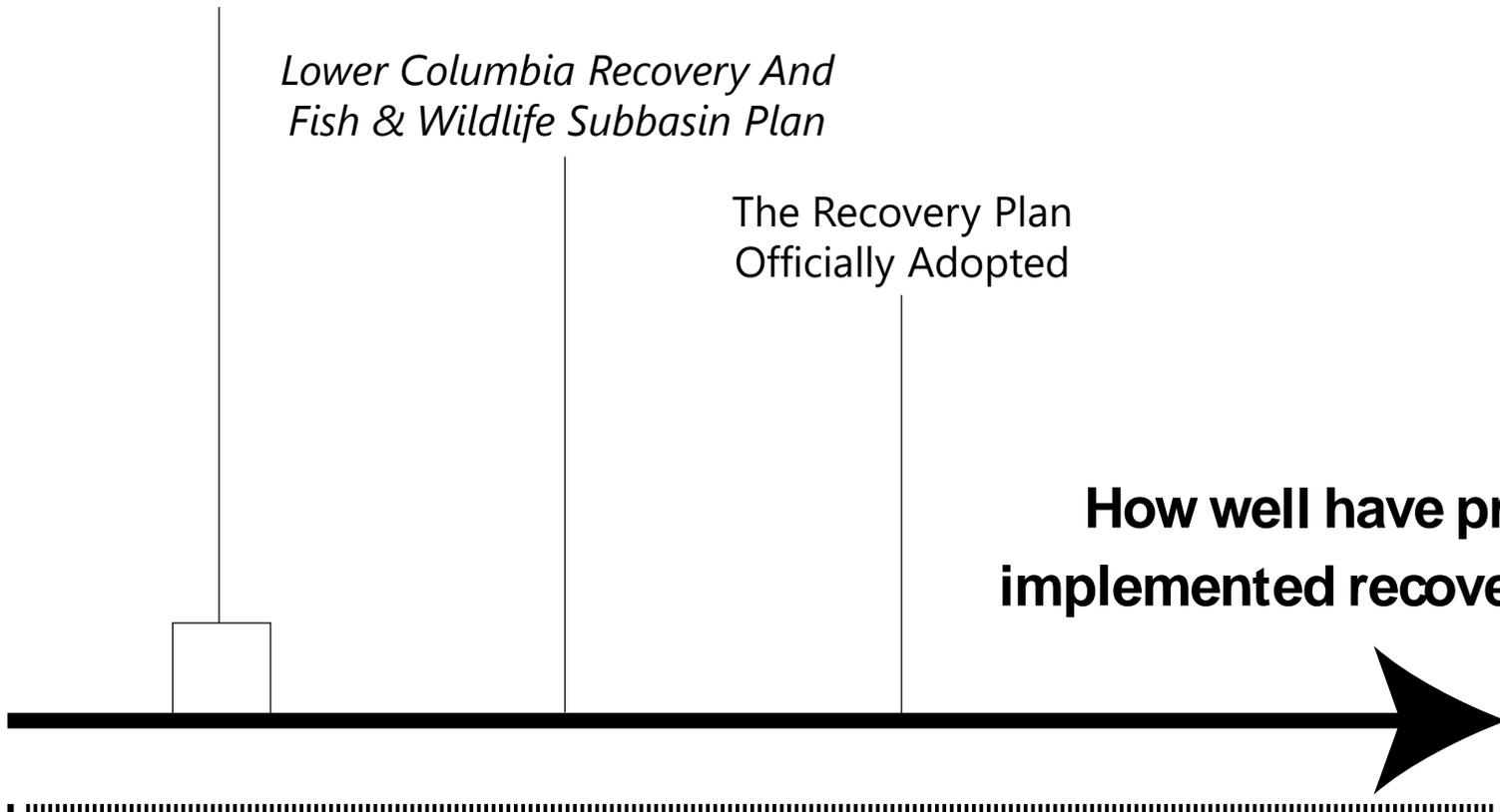
4 species of fish in SW WA  
Listed as "Threatened"  
under ESA

*Lower Columbia Recovery And  
Fish & Wildlife Subbasin Plan*

The Recovery Plan  
Officially Adopted

**How well have programs  
implemented recovery actions?**

1995 1999 2004 2010 2019





CANADA  
UNITED STATES

Strait of Juan  
de Fuca

WASHINGTON

**East Fork Lewis  
River Watershed**

## **Recovery Partners Program Evaluation...**

- **Are they implementing the actions?**
- **Are they actively utilizing the recovery plan to guide the program?**
- **Are they conducting effectiveness monitoring?**
- **Do they track their implementation of actions?**

**Clark County**

**Cities**

**DNR**

**USACE**

**NMFS**

**USFS Gifford Pinchot**

**WDFW**

**Ecology**

**RCO**

**Clark Public Utilities**

**Columbia Land Trust**

**LCFRB**



# Recovery Partners Program Evaluation

- Are they implementing the actions?

In part

- Are they actively utilizing the recovery plan to guide the program?

Seldom

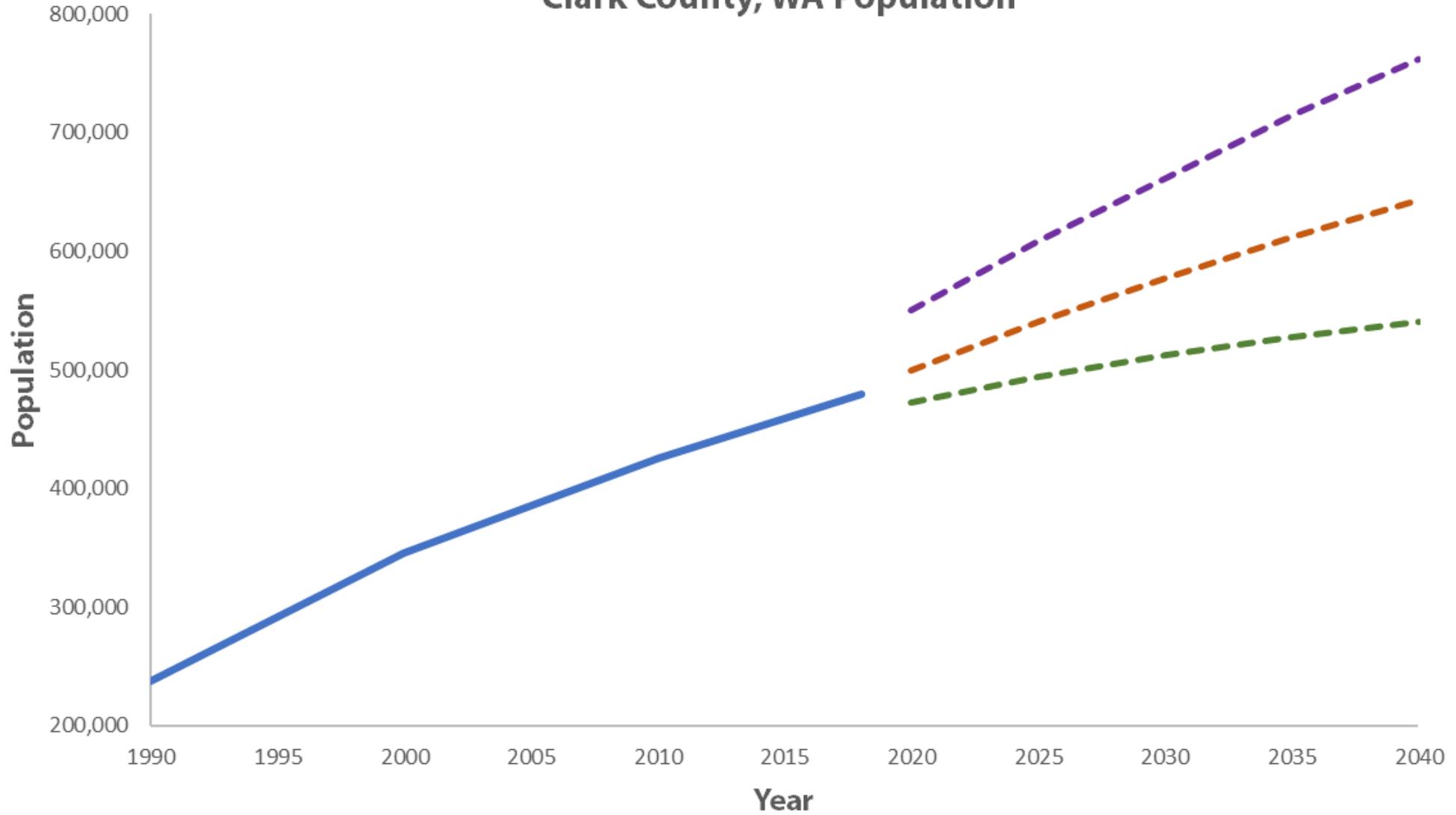
- Are they conducting effectiveness monitoring?

Few examples

- Are they tracking their implementation of actions?

Qualified yes

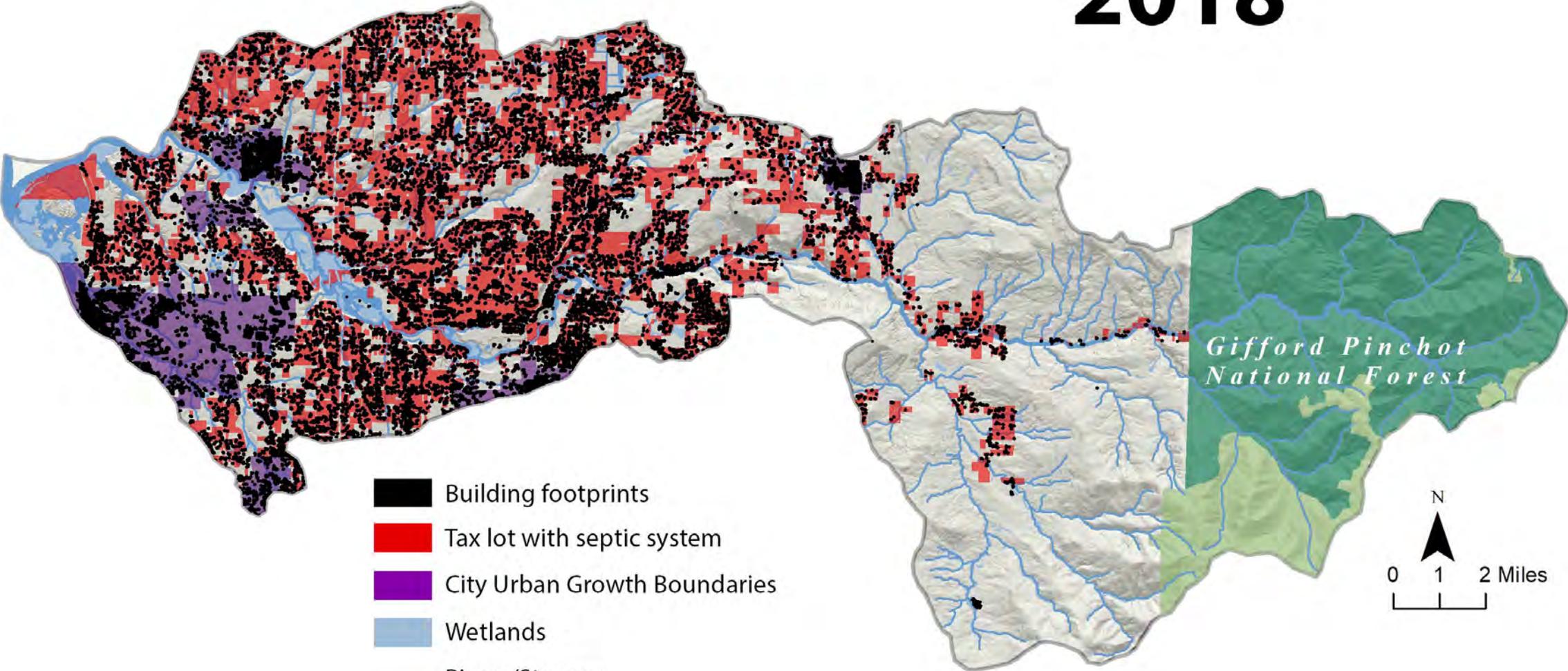
# Clark County, WA Population



Population Low Projection Medium Projection High Projection

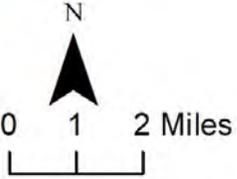
(Population data from the Office of Financial Management, Washington State)

# 2018



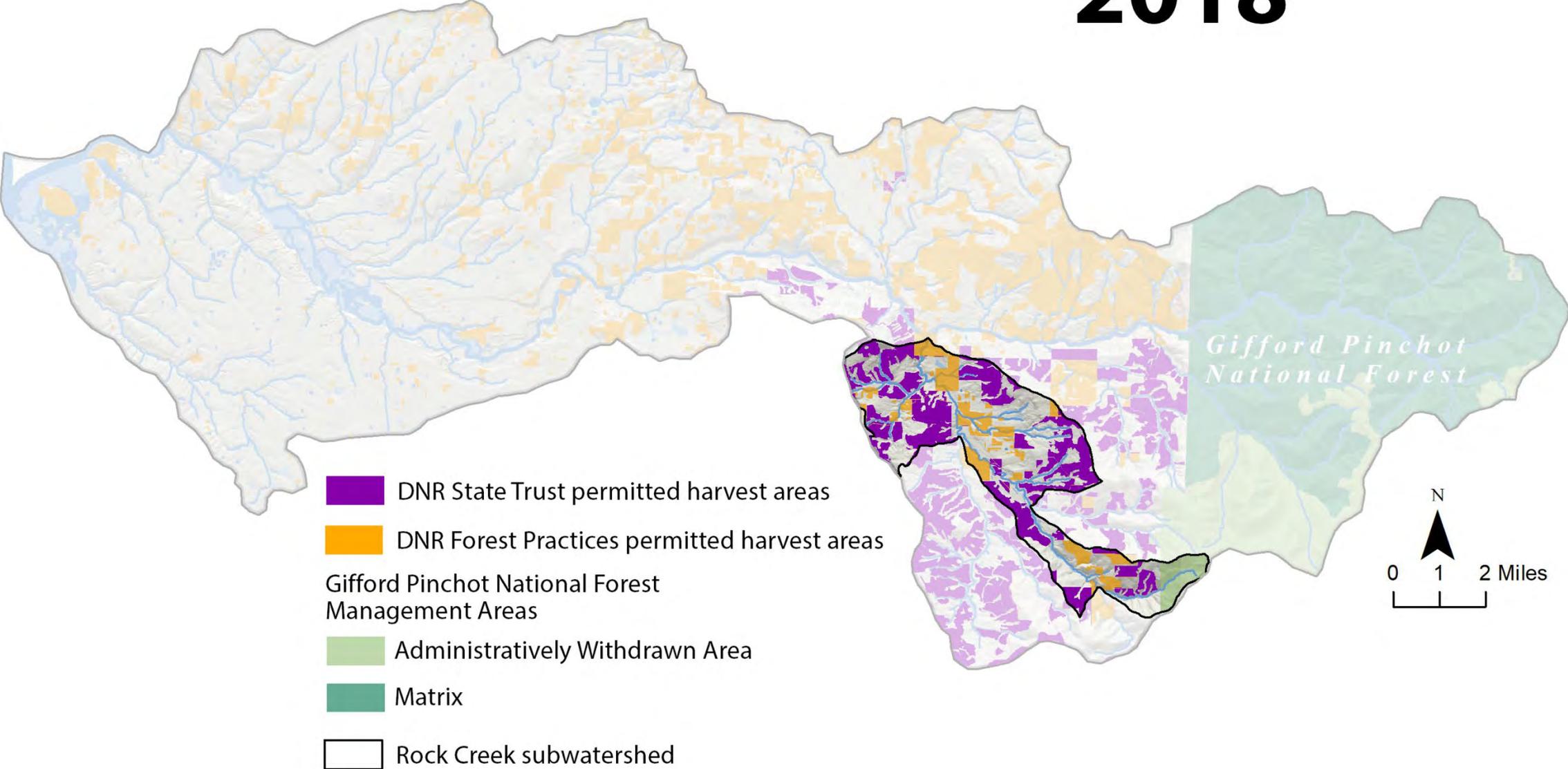
- Building footprints
- Tax lot with septic system
- City Urban Growth Boundaries
- Wetlands
- Rivers/Streams

- Gifford Pinchot National Forest Management Areas
- Administratively Withdrawn Area
  - Matrix



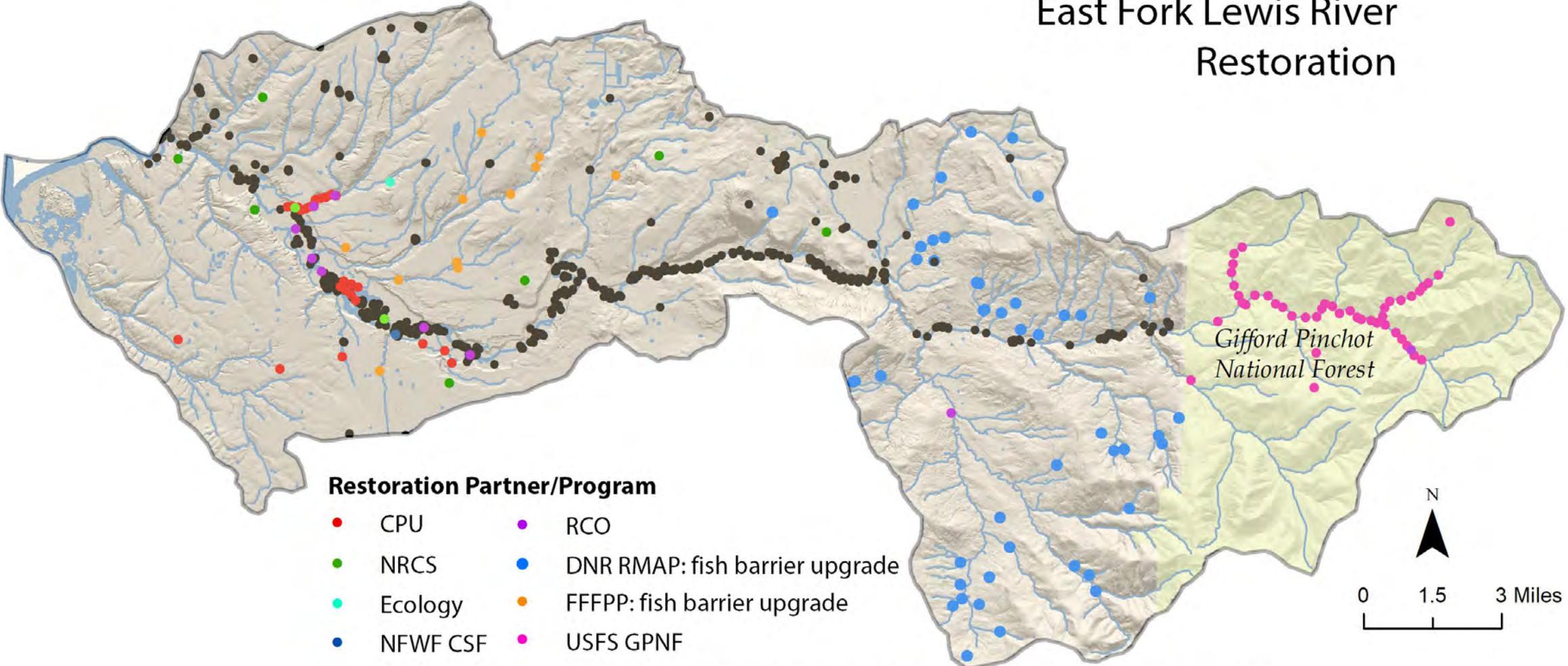
(Critical Areas and Shoreline Master Plan Designations from Clark County database, Urban Growth Boundary data from Clark County's VBLM database, Tax lot and Septic System data from Clark County's parcel and septic system databases, Building Footprints from Clark County database)

# 2018



(Forest Practices Permit data from DNR's public FPA database as well as a FOIA'd State Trust database, GPNF allocations from USFS GPNF database)

# East Fork Lewis River Restoration



**Restoration Partner/Program**

- CPU
- NRCS
- Ecology
- NFWF CSF
- USFWS
- RCO
- DNR RMAP: fish barrier upgrade
- FFFPP: fish barrier upgrade
- USFS GPNF
- Clark County Noxious Weed Board: Japanese Knotweed Treatments

(Acquisition data from Clark County and CLT correspondence, Restoration location data from PRISM, SalmonPort, DNR RMAP, FFFPP, Clark Public Utilities, LCFRB, USFS, Noxious Weed Board)

## *Important Take-Aways...*

Intensity of Threats

Restoration/Conservation Efforts

Regulatory Protections

Recovery Plan & Program Capacity

# Thank You!



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