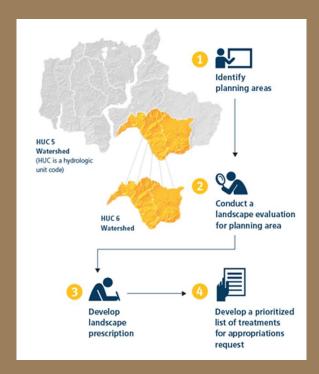
# 20-Year Forest Health Strategic Plan



Forest Practices Board February 2018



# DNR was tasked by the state Legislature to:

"...develop a twenty-year strategic plan to treat areas of state forest land that have been identified by the department as being in poor health."



## 20-Year Forest Health Plan



20-YEAR FOREST HEALTH STRATEGIC PLAN



EASTERN WASHINGTON

**Released in October 2017** 

- Treat 1,250,000 acres by 2037: (62,500 acres per year)
- Sets vision, guiding principles,& process for moving forward
- > All lands approach
- Science based
- Social license: over 30 organizations involved.

## DNR's Forest Health Strategic Plan:

#### **VISION:**

Washington's forested landscapes are in an ecologically functioning and resilient condition and meet the economic and social needs of present and future generations.

#### **MISSION:**

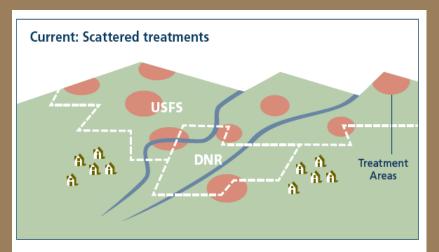
Restore and manage forested landscapes at a pace and scale that reduces the risk of uncharacteristic wildfires and increases the health and resilience of forest and aquatic ecosystems in a changing climate for rural communities and the people of Washington State.

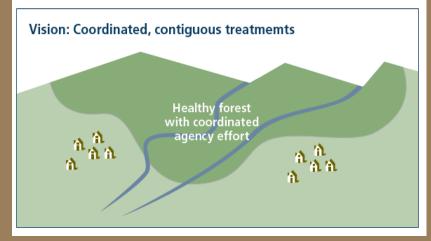
#### **OVERARCHING STRATEGY:**

To maximize effectiveness, coordinate and prioritize landowners' treatments activities across all forest owners in a landscape.



There was consensus among committee participants to advance a landscape-scale, cross**boundary** strategy to achieve forest health and coordinate project planning and implementation across landownership boundaries.





## **DNR's Forest Health Strategic Plan: Goals**

#### Goal 1

 Conduct 1.25 million acres of scientifically sound, landscape scale, cross-boundary management and restoration treatments in priority watersheds to increase forest and watershed resilience by 2037.

#### Goal 2

 Reduce risk of uncharacteristic wildfire and other disturbances to help protect lives, communities, property, ecosystems, assets and working forests.

#### Goal 3

 Enhance economic development through implementation of forest restoration and management strategies that maintain and attract private sector investments and employment in rural communities.

#### Goal 4

 Plan and implement coordinated, landscape-scale forest restoration and management treatments in a manner that integrates landowner objectives and responsibilities.

#### Goal 5

 Develop and implement a forest health resilience monitoring program that establishes criteria, tools, and processes to monitor forest and watershed conditions, assess progress, and reassess strategies over time.



## Goal 1

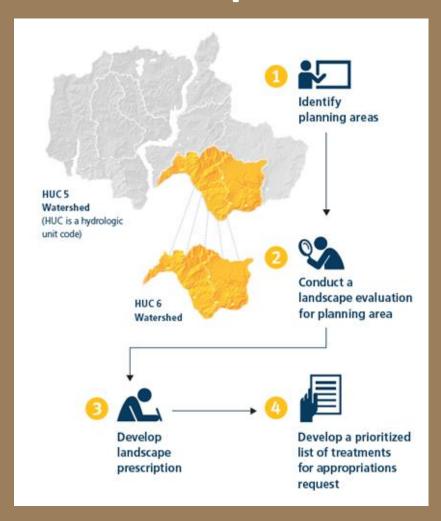
 Conduct 1.25 million acres of scientifically sound, landscape scale, cross-boundary management and restoration treatments in priority watersheds to increase forest and watershed resilience by 2037.

### **Strategies**

- Prioritize forest health treatments in landscapes with the highest need and relative risk.
- Conduct landscape evaluations to efficiently prioritize and design forest health treatments to improve forest conditions and enhance ecosystem values across landscapes.
- Coordinate treatment activities across boundaries to maximize effectiveness.
- Work with forest **collaboratives** to build social license, address barriers, and leverage resources.
- Increase **capacity** to implement landscape-scale **cross boundary management** approaches through existing authorities and programs such as GNA.



# Making Landscape-Scale Restoration a Reality: SB 5546 Implementation



These steps will be done in coordination with local forest collaboratives, major landowners and the Forest Health Advisory Committee.

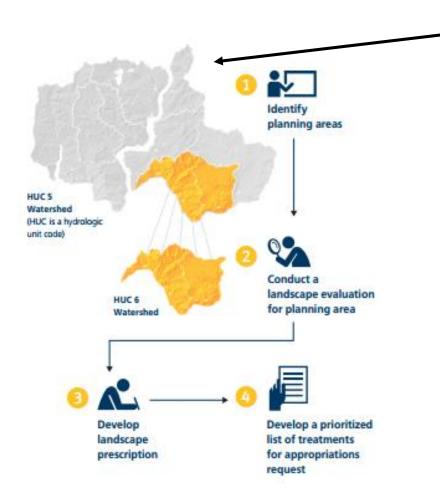
## **Process & Timeline**

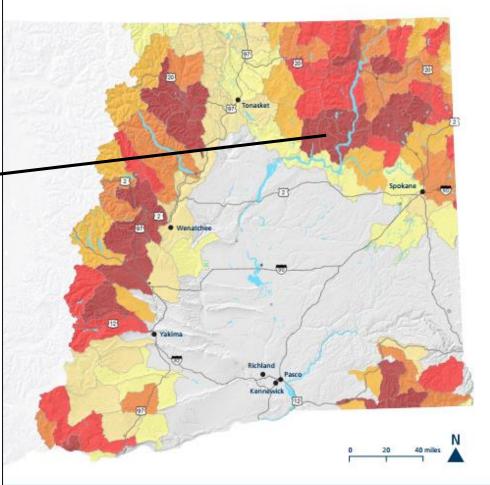
20-YEAR FOREST HEALTH STRATEGIC PLAN EASTERN WASHINGTON							
NEAR-TERM ACTIONS							
0	Identify Planning Areas						
2	Conduct Landscape Evaluations						
•	Develop Landscape Prescriptions						
0	Develop a Prioritized List of Treatments for Appropriations Request						

	Jan	Feb	March	April	May	June	July	August	Sept - Oct
Select Planning Areas									
Landscape Evaluations									
Landscape Rx & Treament Areas									
Appropriations Request									



## Next steps: Select planning areas & conduct landscape evaluations









Unit Watersheds

HUC: Hydrologic unit code.

The U.S. Geological Survey developed this classification system as a way to categorize watersheds. The smaller the number, the bigger the geography, (e.g. HUC 1, HUC 2, HUC 3, HUC 4, HUC 5, HUC 6)

Average HUC 6 watershed is approximately 20,000 acres. Average HUC 5 watershed is approximately 150,000 acres.

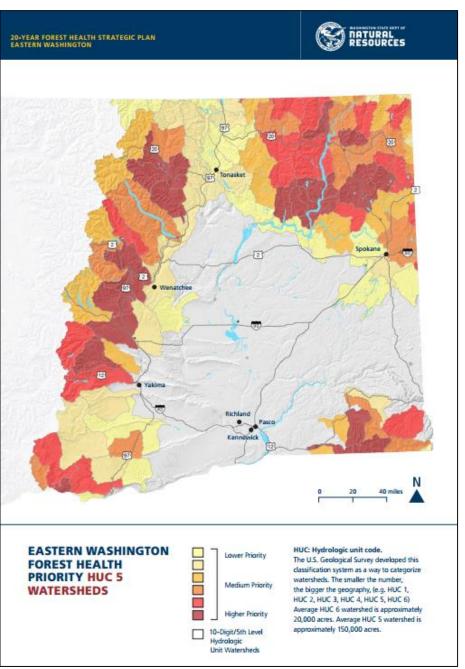
## Step 1: Identify Planning Areas within a HUC 5 Watershed

- 1 Local Consultation
- Public land managers, Collaboratives, Tribes, other stakeholders
- DNR conducts data driven prioritization to help select planning areas
- Select 1-? planning areas per collaborative area
- Based on combination of prioritization scores, local input and priorities, and agency planning efforts.
- 2 Forest Health Advisory Committee Recommendations
- Review local recommendations
- Make statewide recommendations to Commissioner
- 3 Commissioner of Public Lands Selection
- Final selection

## 1. Select planning areas

- 1 or more HUC 6 watersheds
- Data driven prioritization: HUC 6 level
  - Same framework and methods as HUC 5 prioritization
  - Most of the same datasets, but several changes and additions
  - All datasets and scores available to local stakeholders. Report sent to committee.
- Combine with Local input

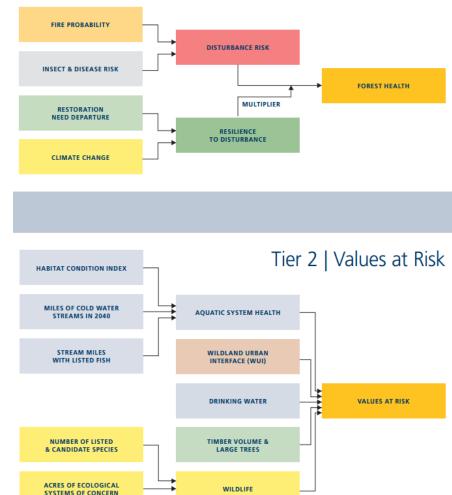
#### **HUC 5 Prioritization from 20 Year Plan**



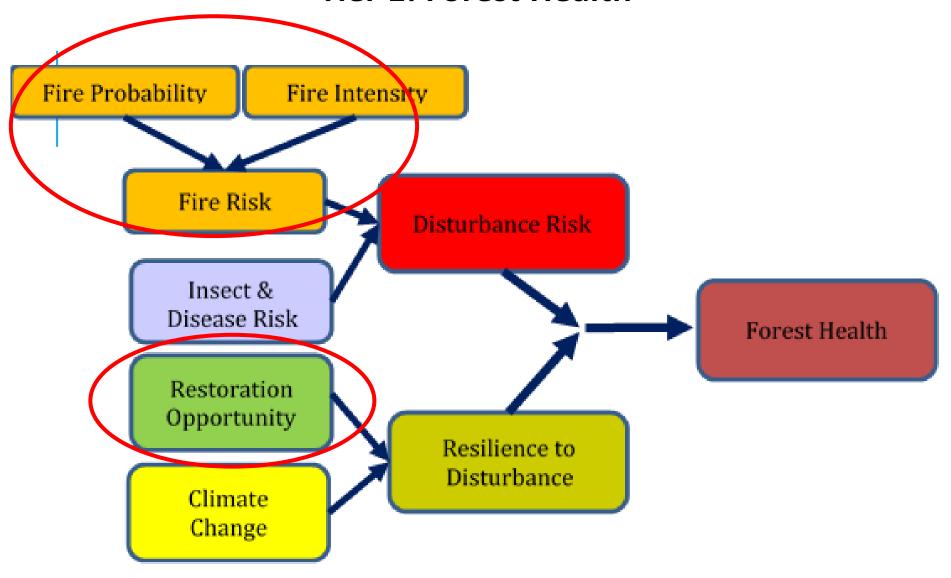
## Data Driven HUC 6 Prioritization

Tier 1 | Forest Health

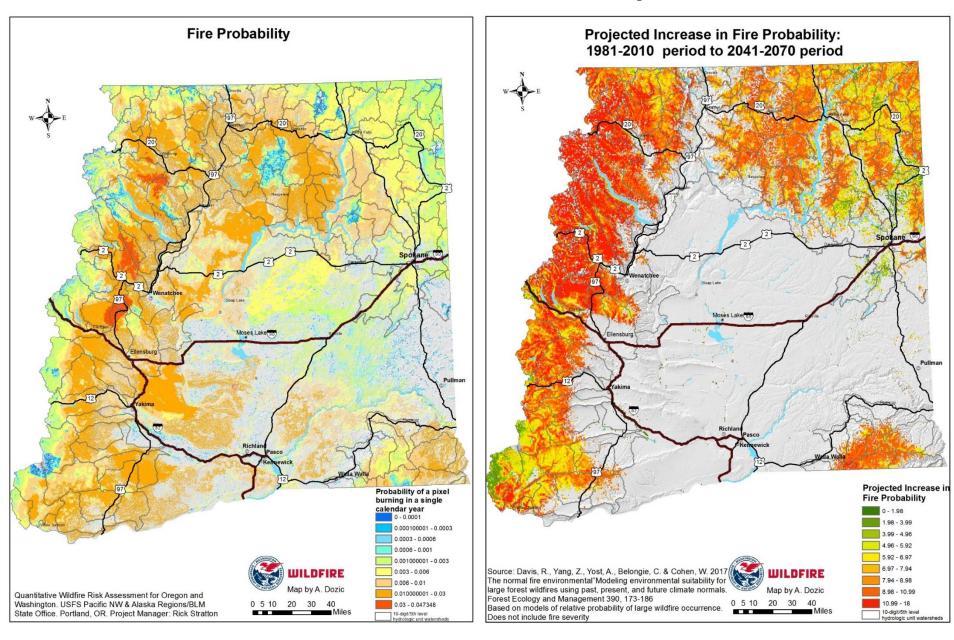
- ➤ HUC 6 level, but planning areas may cover more than one HUC 6.
- Same framework and methods as HUC5 prioritization
- Most of the same datasets, but several changes and additions: Access
- All datasets and scores available to local stakeholders



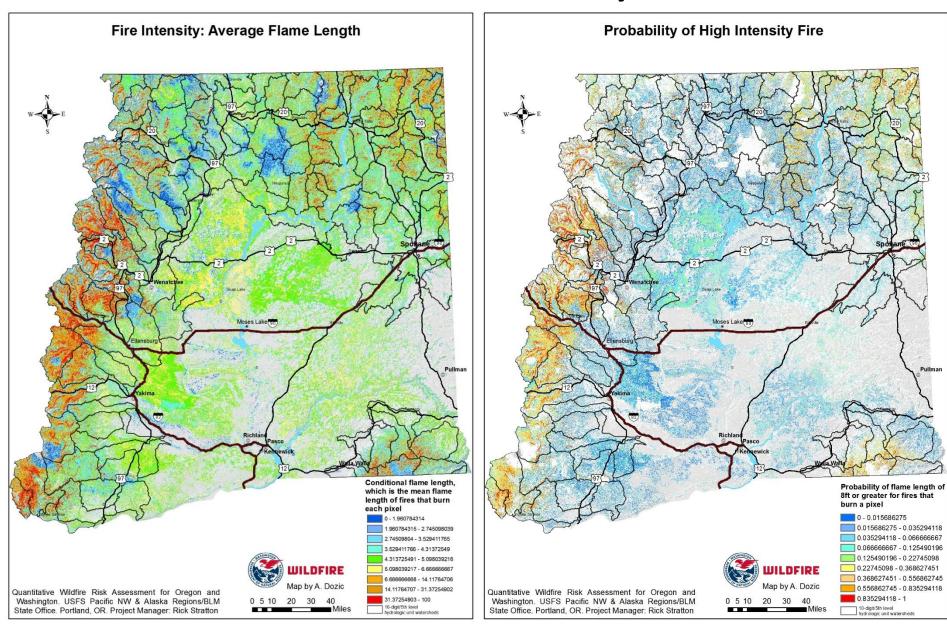
**Tier 1: Forest Health** 



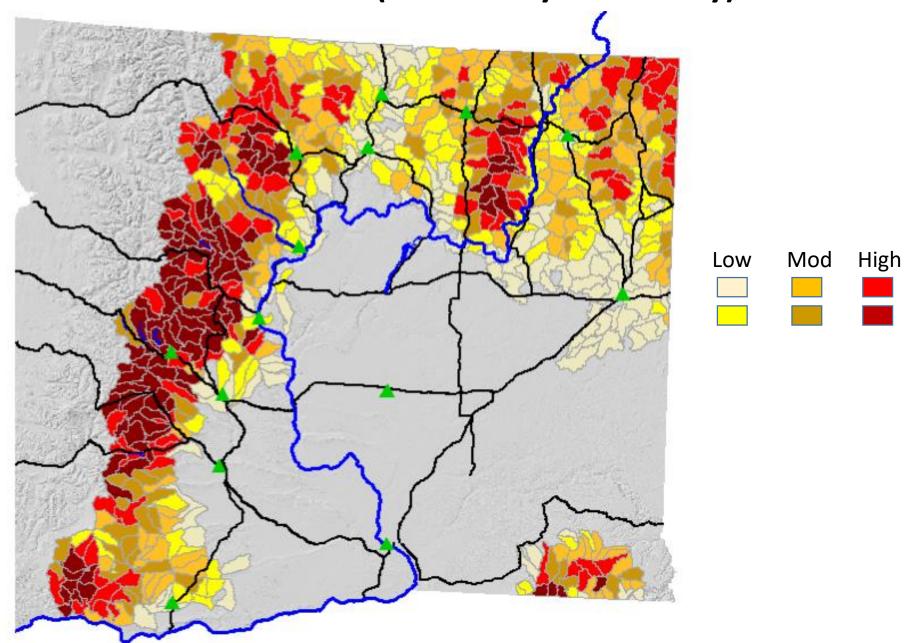
## **Tier 1: Fire Probability**



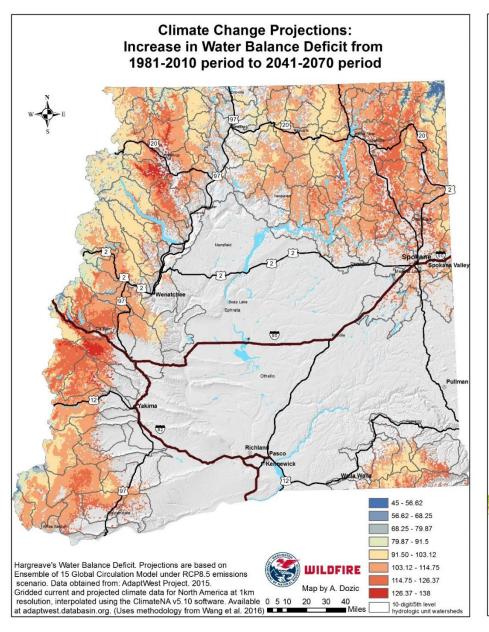
## **Tier 1: Fire Intensity**

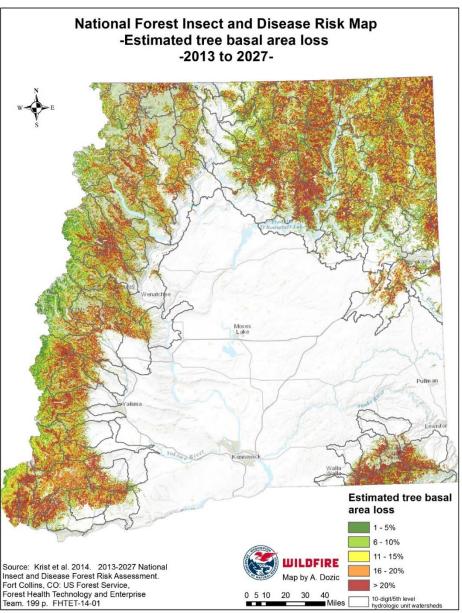


Tier 1: Fire Risk (Probability x Intensity)

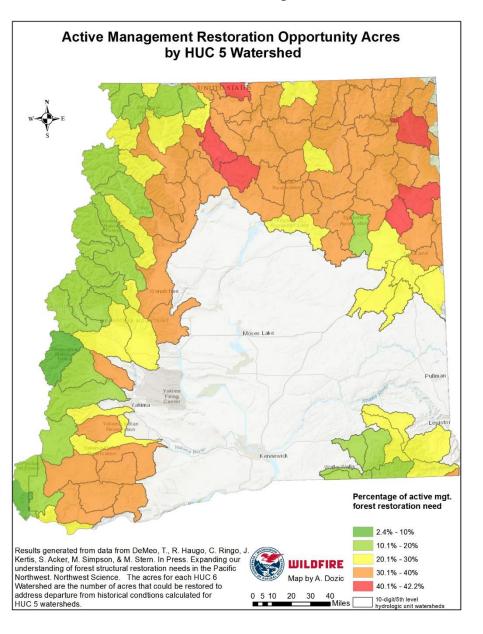


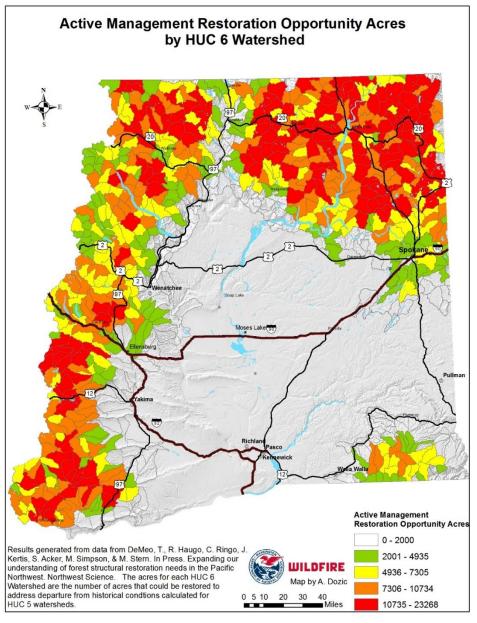
## **Tier 1: Climate Change – Insect & Disease**

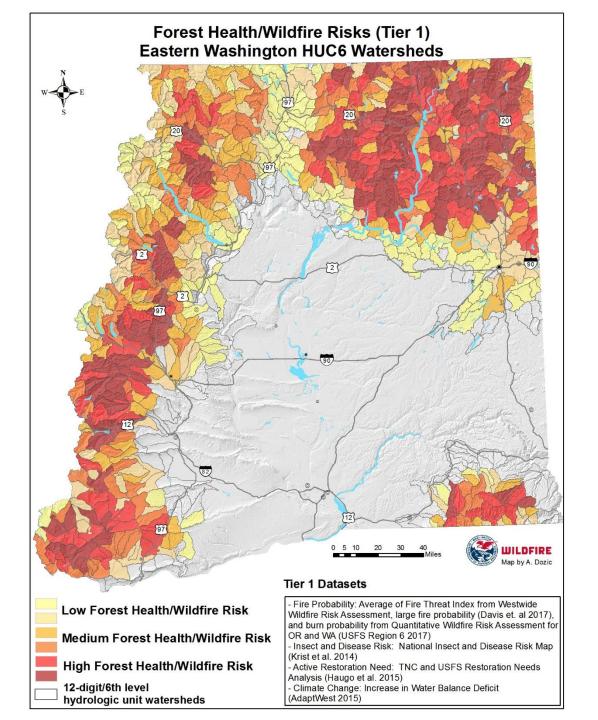




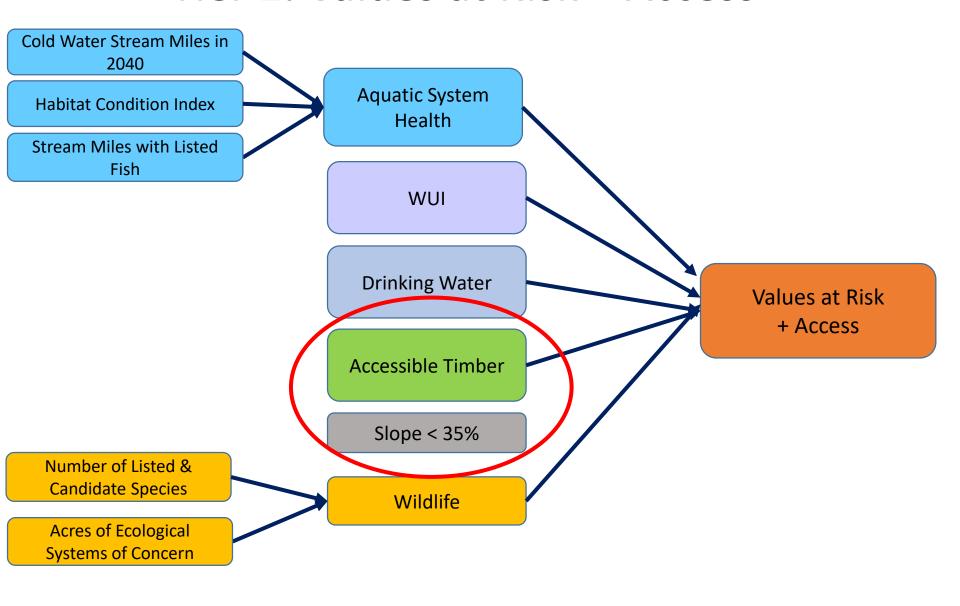
## **Tier 1: Departure & Restoration Opportunity**



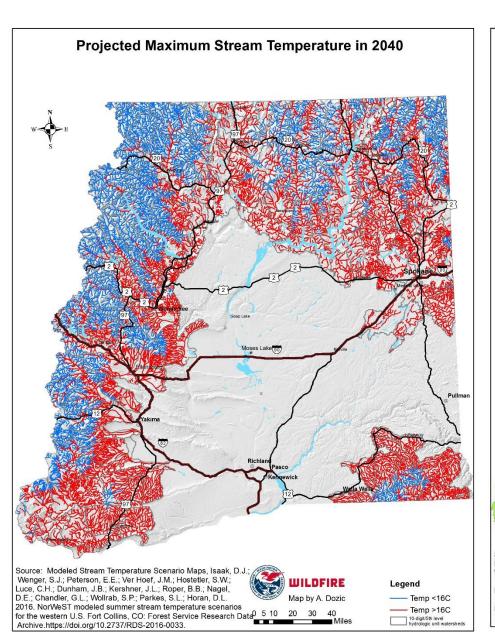


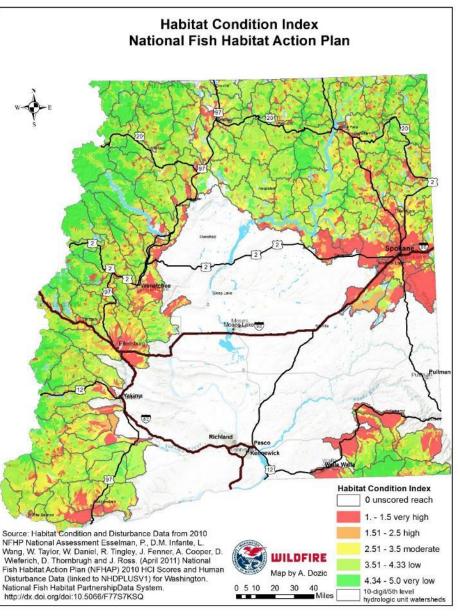


## Tier 2: Values at Risk + Access

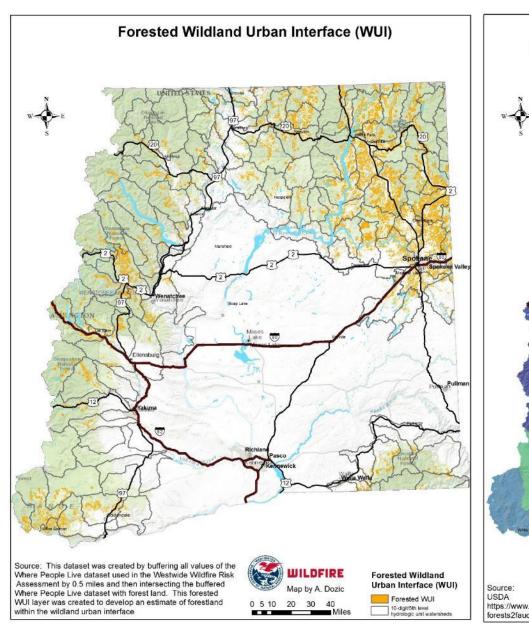


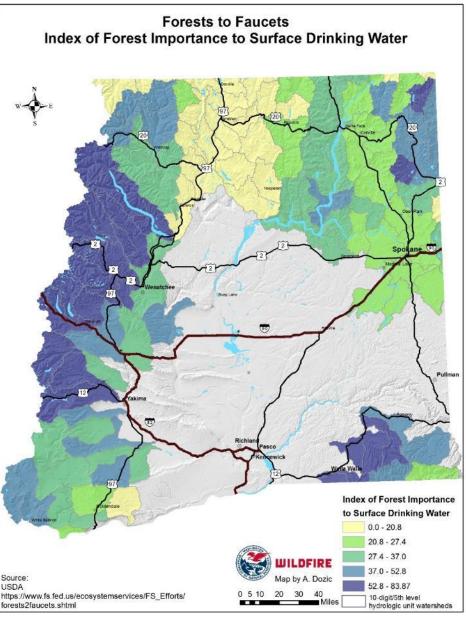
## **Tier 2: Aquatic Systems**



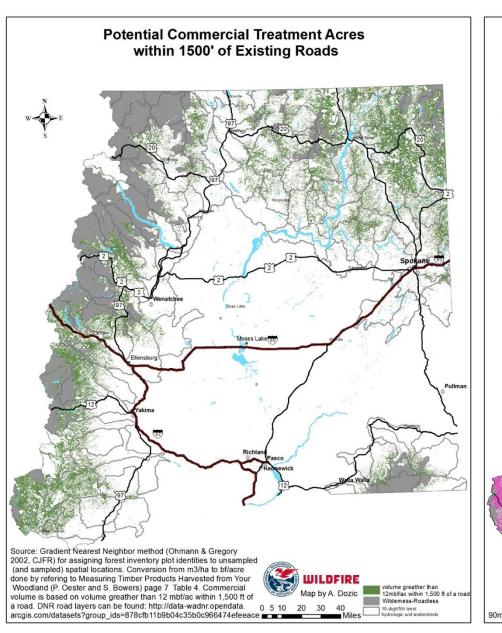


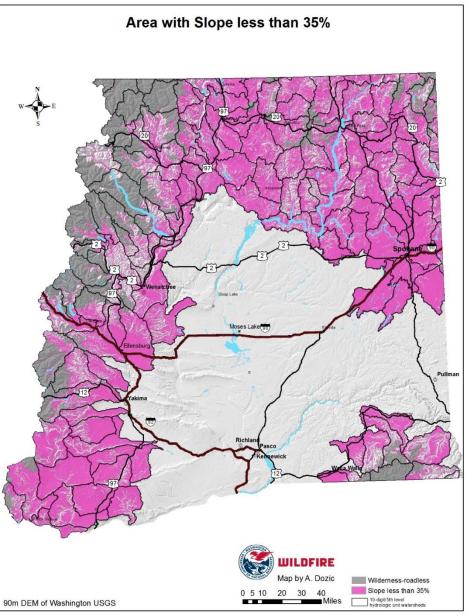
## Tier 2: WUI & Drinking Water



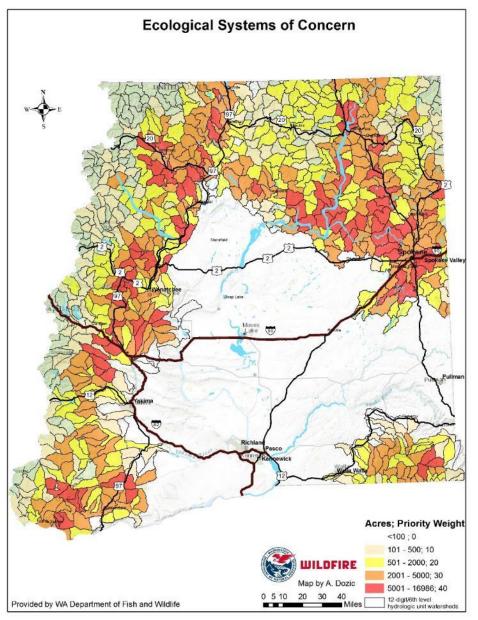


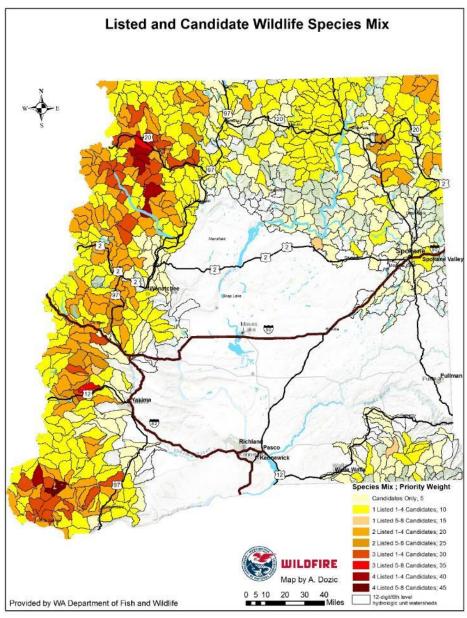
## **Tier 2: Timber Volume and Access**

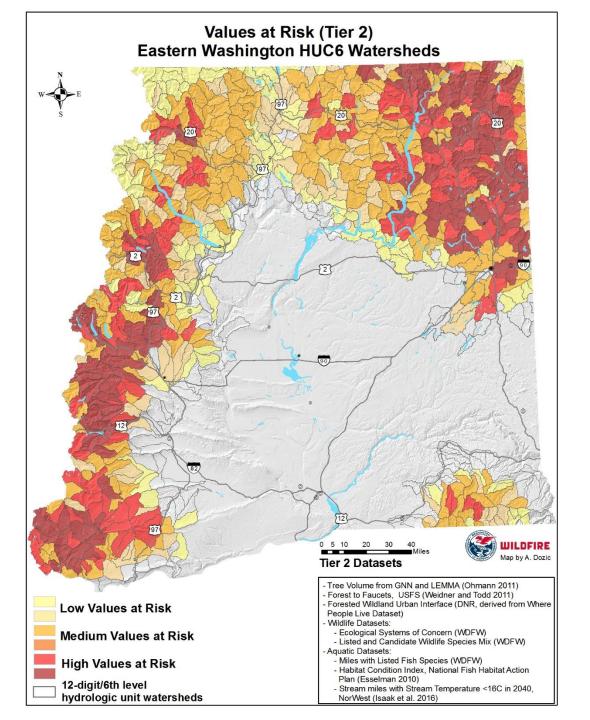


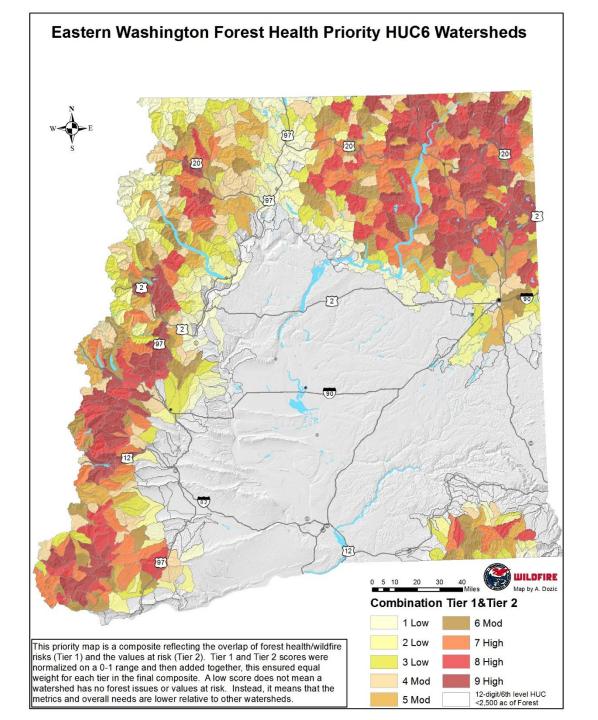


## Tier 2: Wildlife

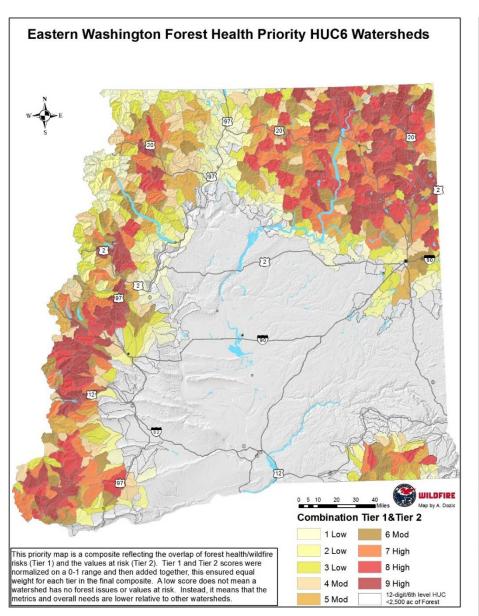


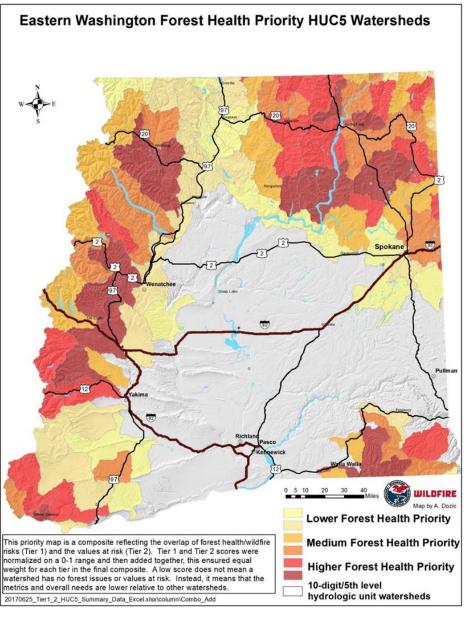




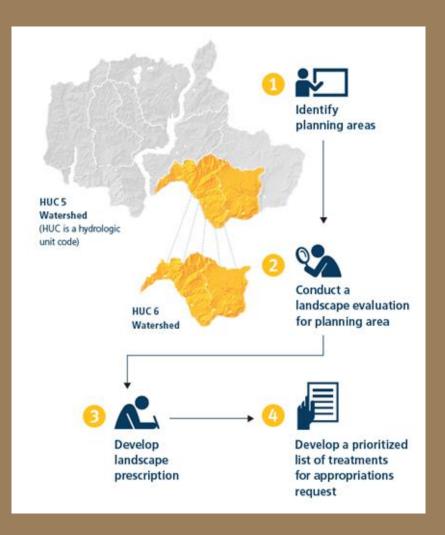


## Eastern WA Forest Health Priority Watersheds HUC 6 Level HUC 5 Level





## **Draft Proposed Planning Areas**



- -DNR is currently in the process of selecting planning areas to assess forest health treatment needs.
- -In January 2018, DNR met with USFS staff, forest collaboratives and other partners to get feedback on local forest health priority watersheds.
- -DNR is presenting proposed planning areas based on local consultation and state HUC 6 forest health prioritization.
- -DNR will be finalizing the proposed planning areas by mid-February.

## DNR - Forest Service Engagement

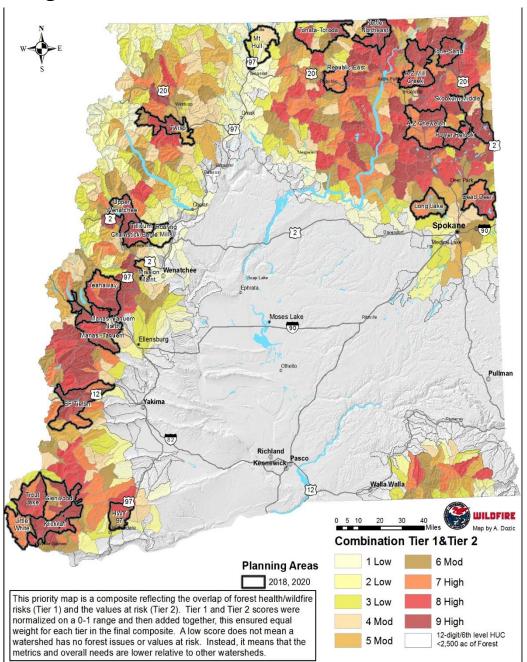
### Project Area Types

- 1. New Planning Area or very early USFS planning
  - DNR → All lands landscape evaluation
     Potentially request funding for NEPA planning. Request funding for non-federal treatments.
- 2. Mid course NEPA planning
  - DNR → Evaluate non-USFS lands to complement analysis,
     Coordinate treatments planning
     Evaluate to ensure achievement risk reduction goals
     Request funding for non-federal treatments.
- 3. NEPA completed. Implementation Phase
  - DNR → Evaluate non-USFS lands to complement analysis,
     Evaluate to ensure achievement risk reduction goals
     Request funding for USFS and non-federal treatments.

## Proposed Planning Areas for 20-Year Forest Health Strategic Plan / SB5546 Eastern WA Moses Lake Ellensburg Richland Kennewick **Proposed Planning Areas** 2018 2020 Collaborative area

## Draft

#### **Proposed Planning Areas 2018 and 2020/E. WA Forest Health Priority Watersheds**



Draft

HUC 6
Watersheds