



CITY OF  
**SUMNER**  
WASHINGTON

# The White River Projects

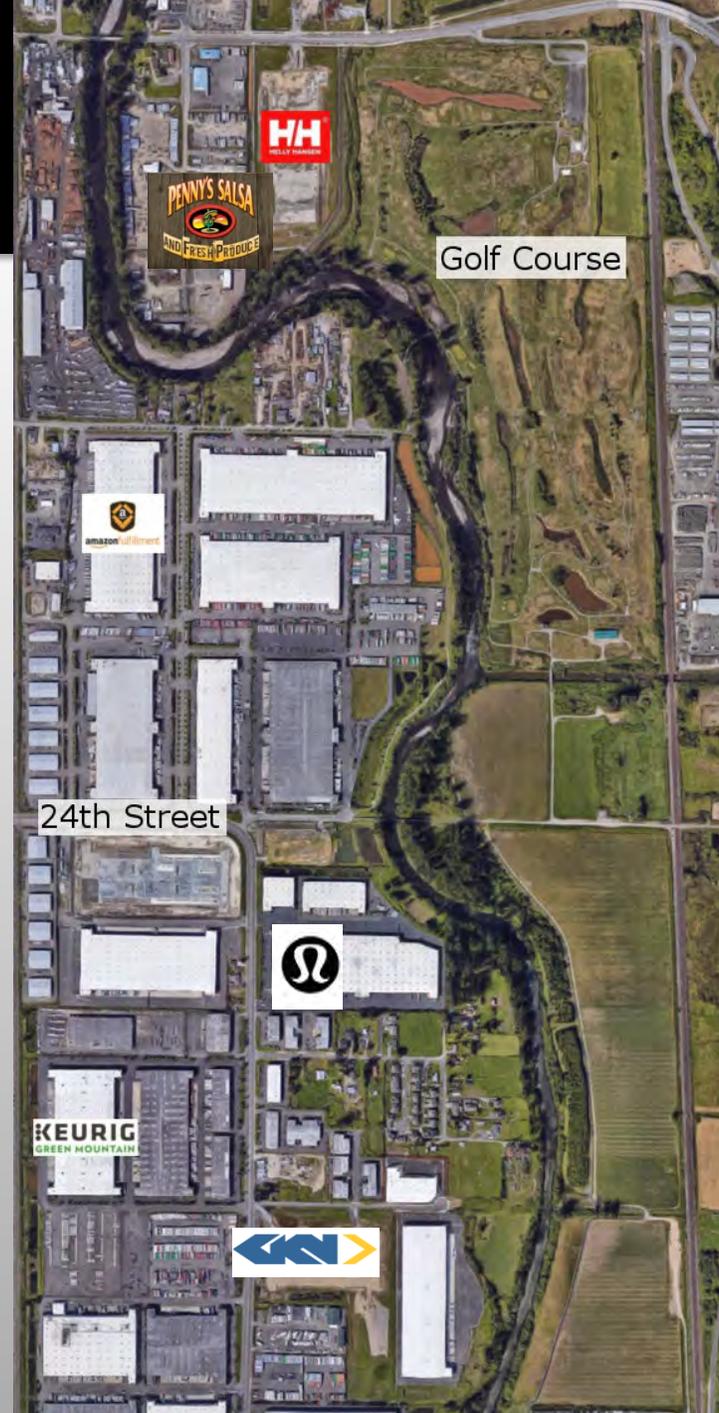
# Then

- Diverted to Sumner over 100 years ago
- Mud Mountain Constructed 1948 to prevent flooding
- Consistently dredged to prevent flooding up to 1990s



# Now

- Floodplain developed, large businesses moved in
- Little salmon habitat formed and aggradation continues.

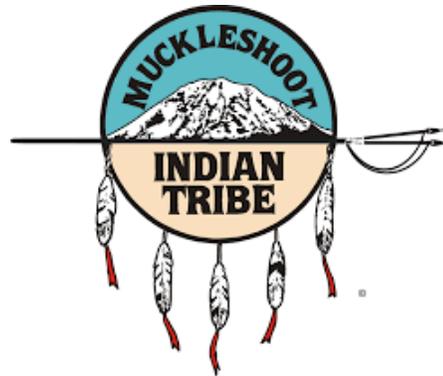


Now



# Dialogue Group

Dept. of Commerce helped start efforts to collaboratively plan and design for flood protection and salmon habitat



# Sumner's Goals

## NATURE OF WORK TO BE DONE.

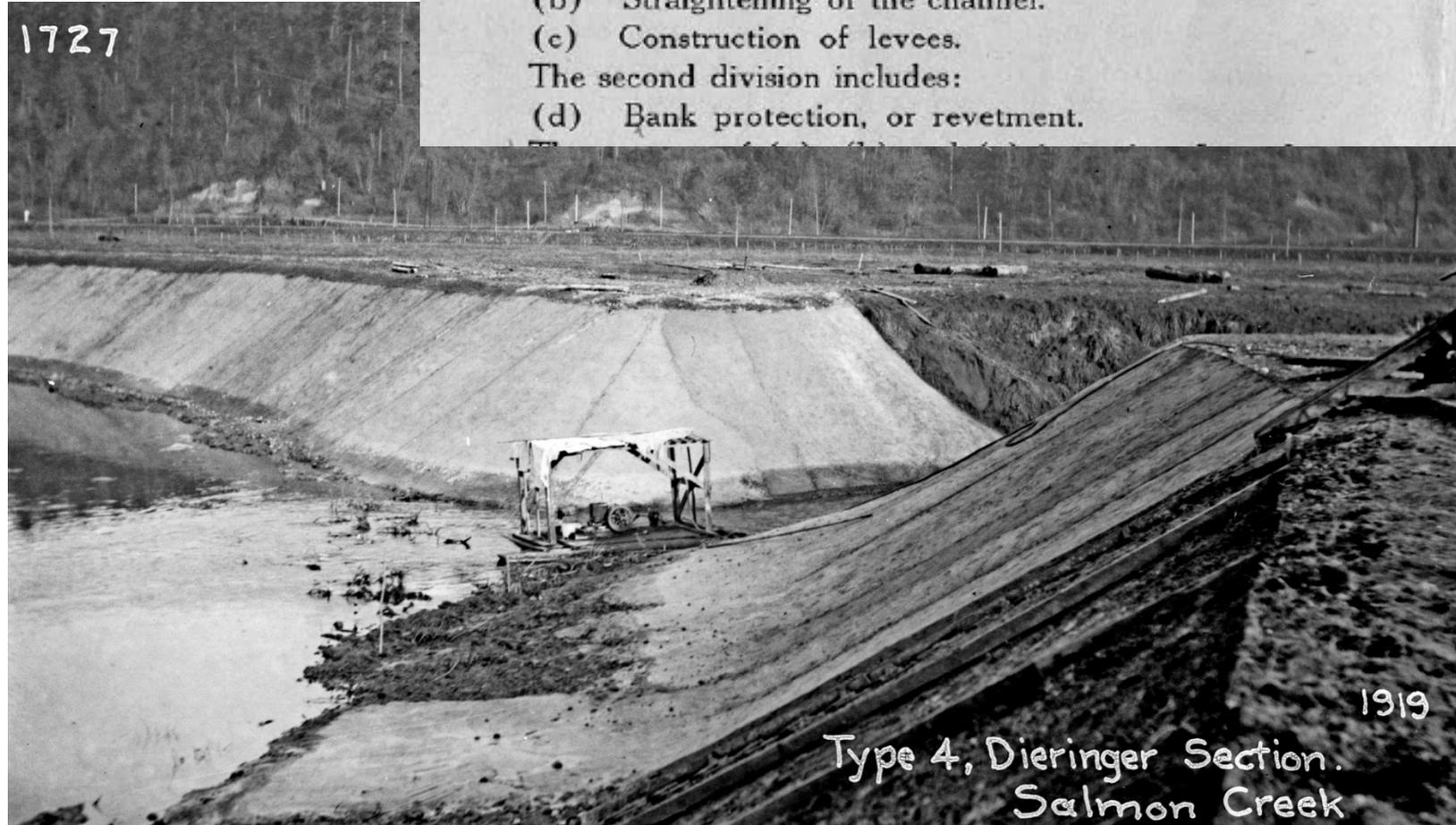
- Overall Goal: *Restore sustainable instream, floodplain, and wetland habitats within the Lower White River and provide enduring flood protection for the City of Sumner*

# Establishing a corridor - context

- The Lower White is influenced by
  - Glaciers
  - Volcanic eruptions
  - Mud Mountain Dam
  - Water diversions
  - Historical channel alterations

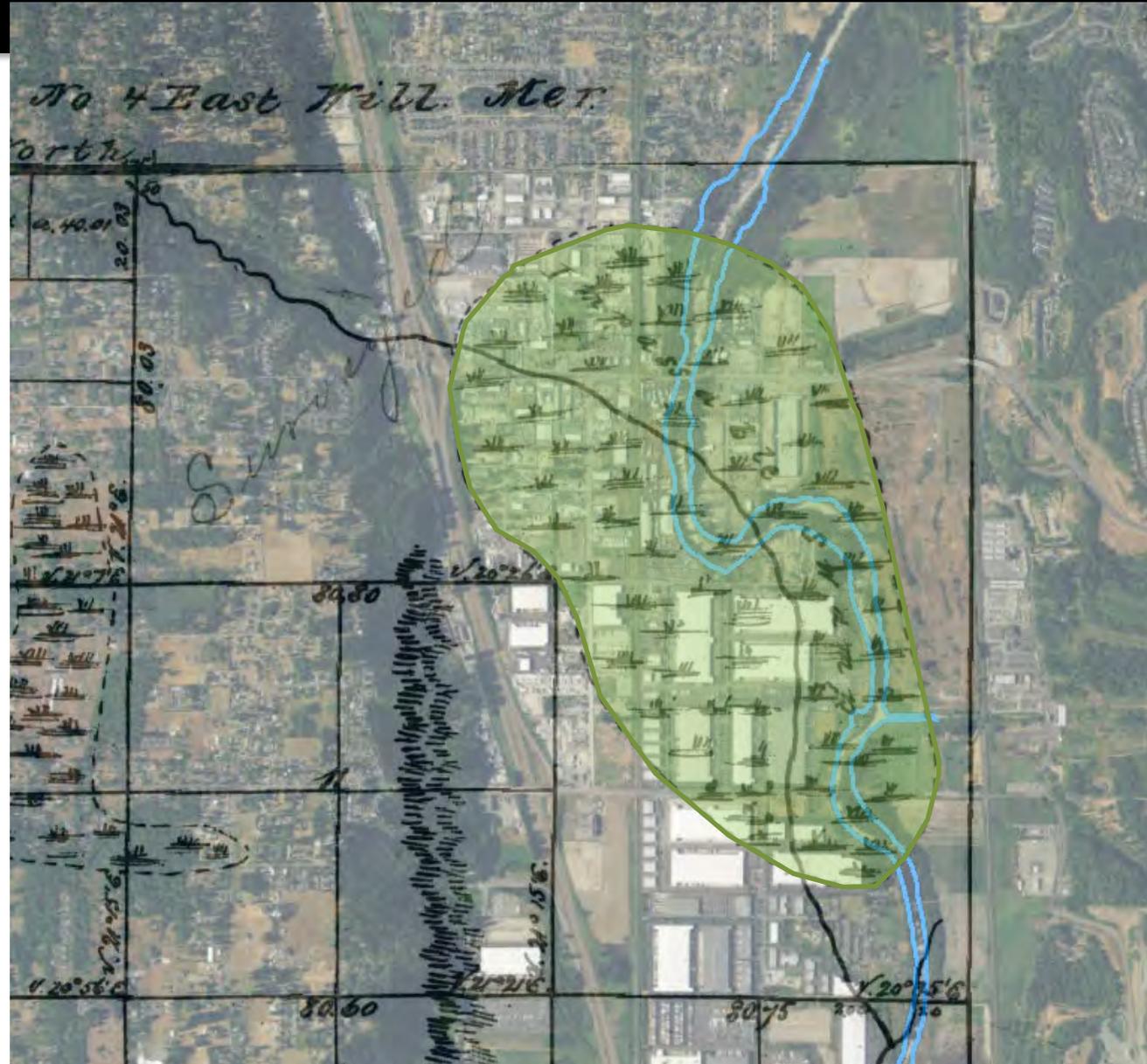
## NATURE OF WORK TO BE DONE.

1. The construction of a channel large enough to carry the flood.
2. Strengthening the banks to prevent erosion. The first division includes:
  - (a) Removal of drift.
  - (b) Straightening of the channel.
  - (c) Construction of levees.The second division includes:
  - (d) Bank protection, or revetment.



# Establishing a corridor - history

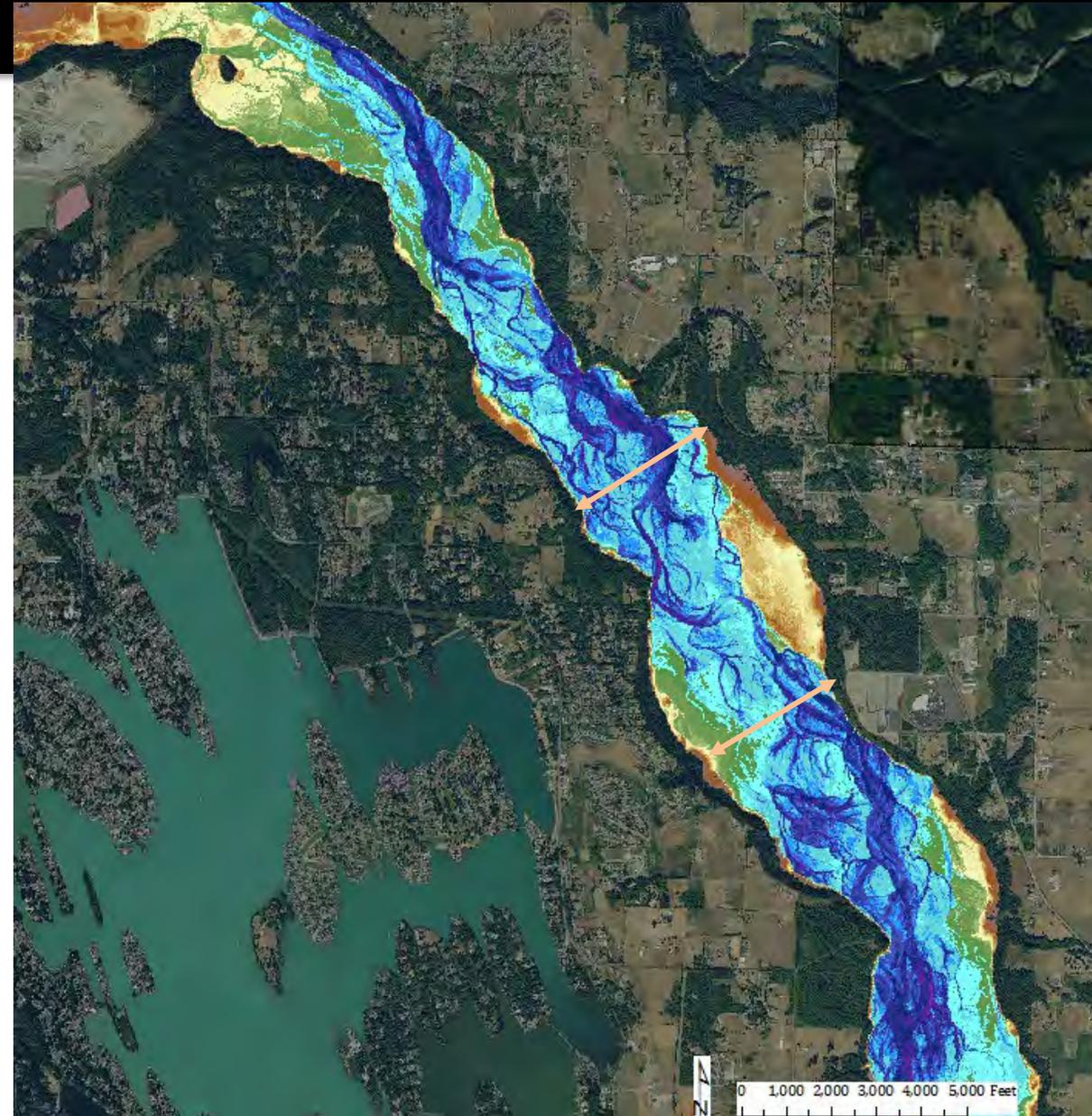
- Prior to 1906 river avulsion
- Blue line is today's river
- "Impassable Swap"



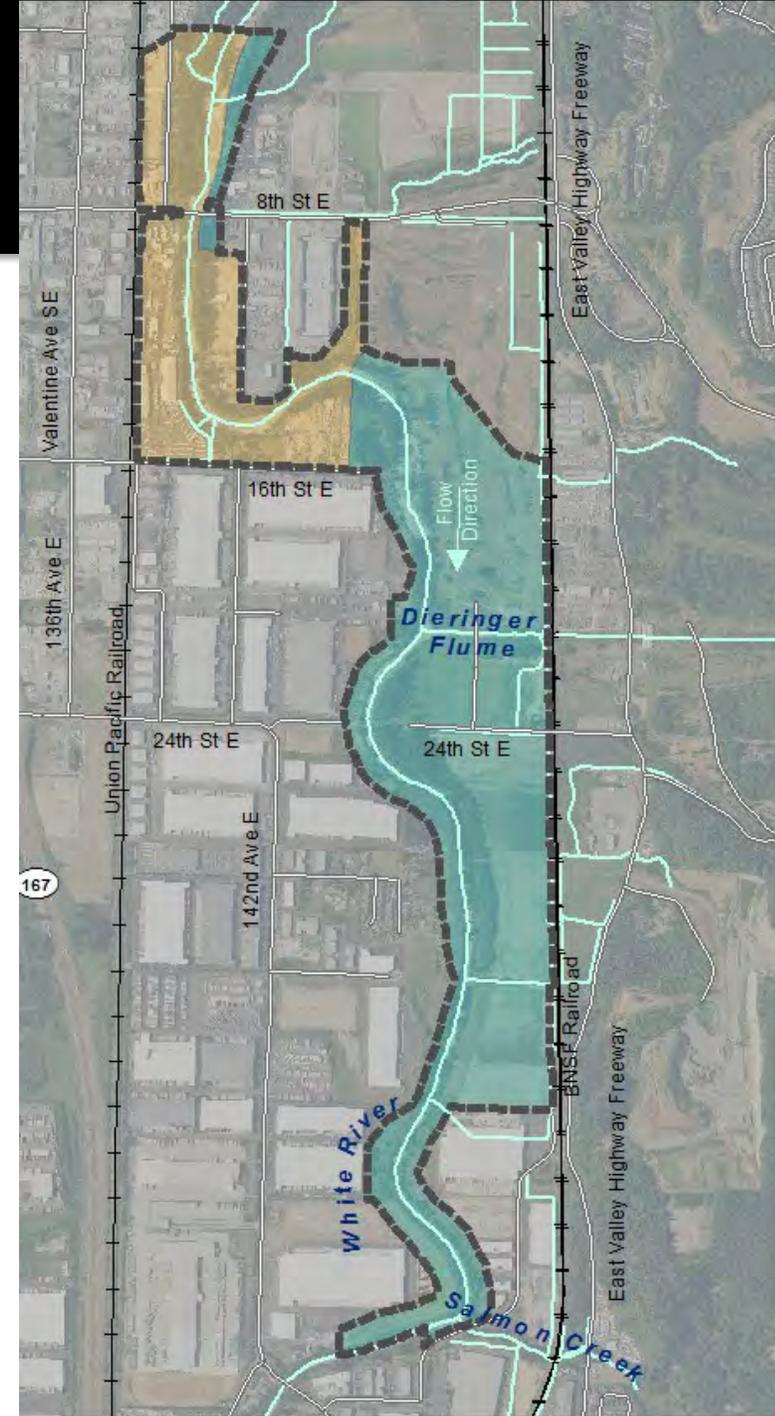
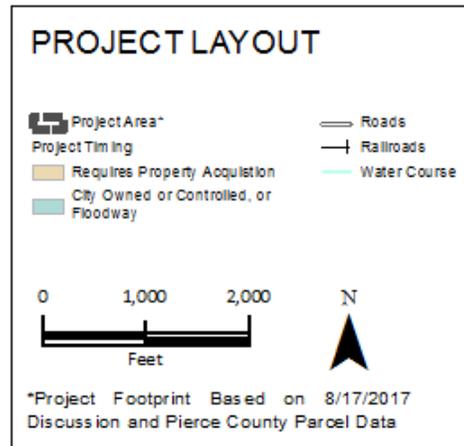
# Establishing a corridor – reference



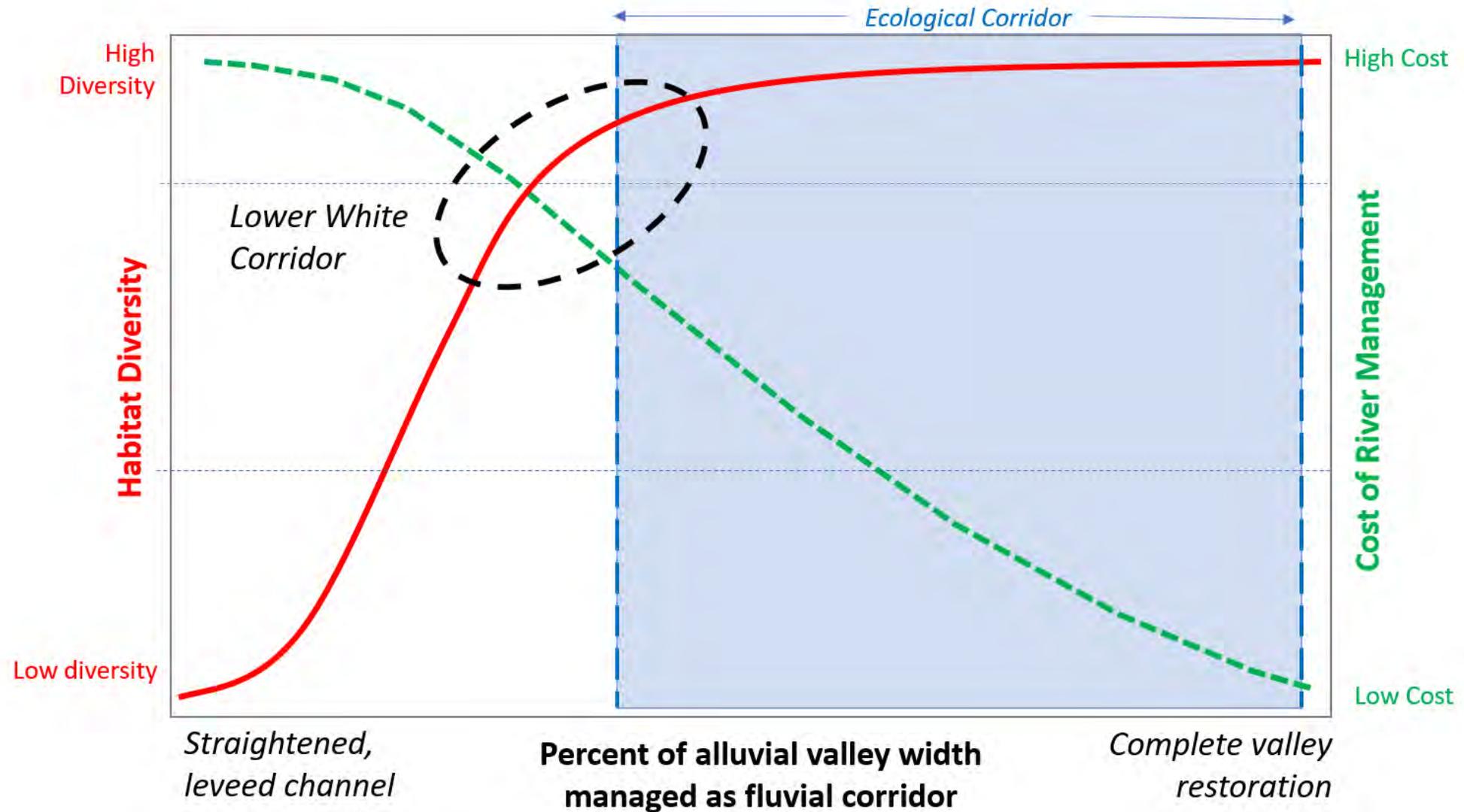
*Photo provided by D. Dixon, Pierce County*



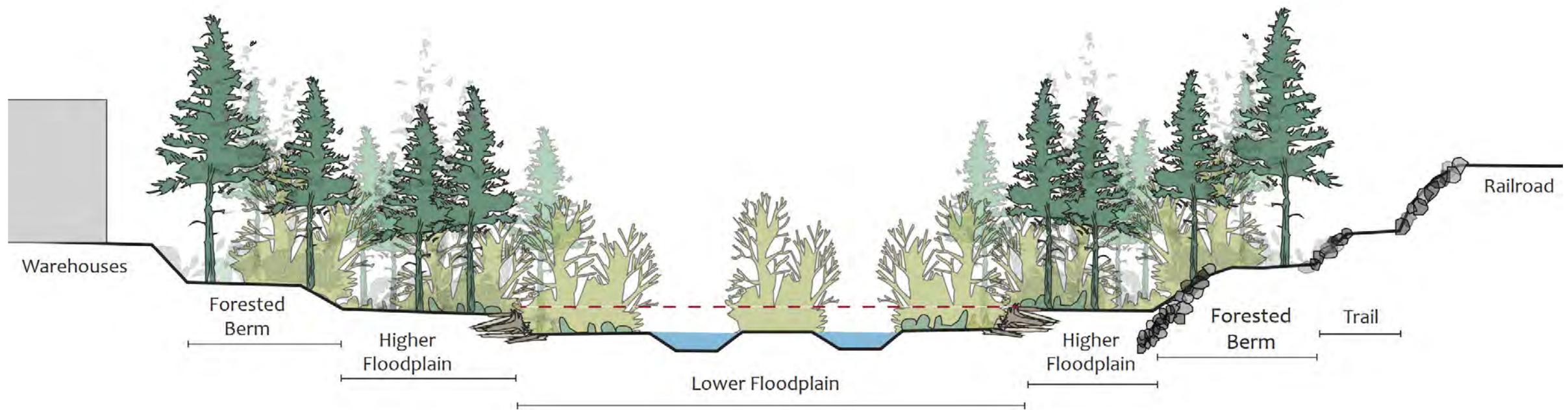
# Developed a planning corridor



# Balancing Corridor Width and Management Costs



# Embracing\* dynamism



# Long Term Vision



# Long Term Vision – restore the corridor

