

# Using Heavy Machinery Near Shorelines and Riparian Areas

Greg Russ

White River Partnership

January 2025

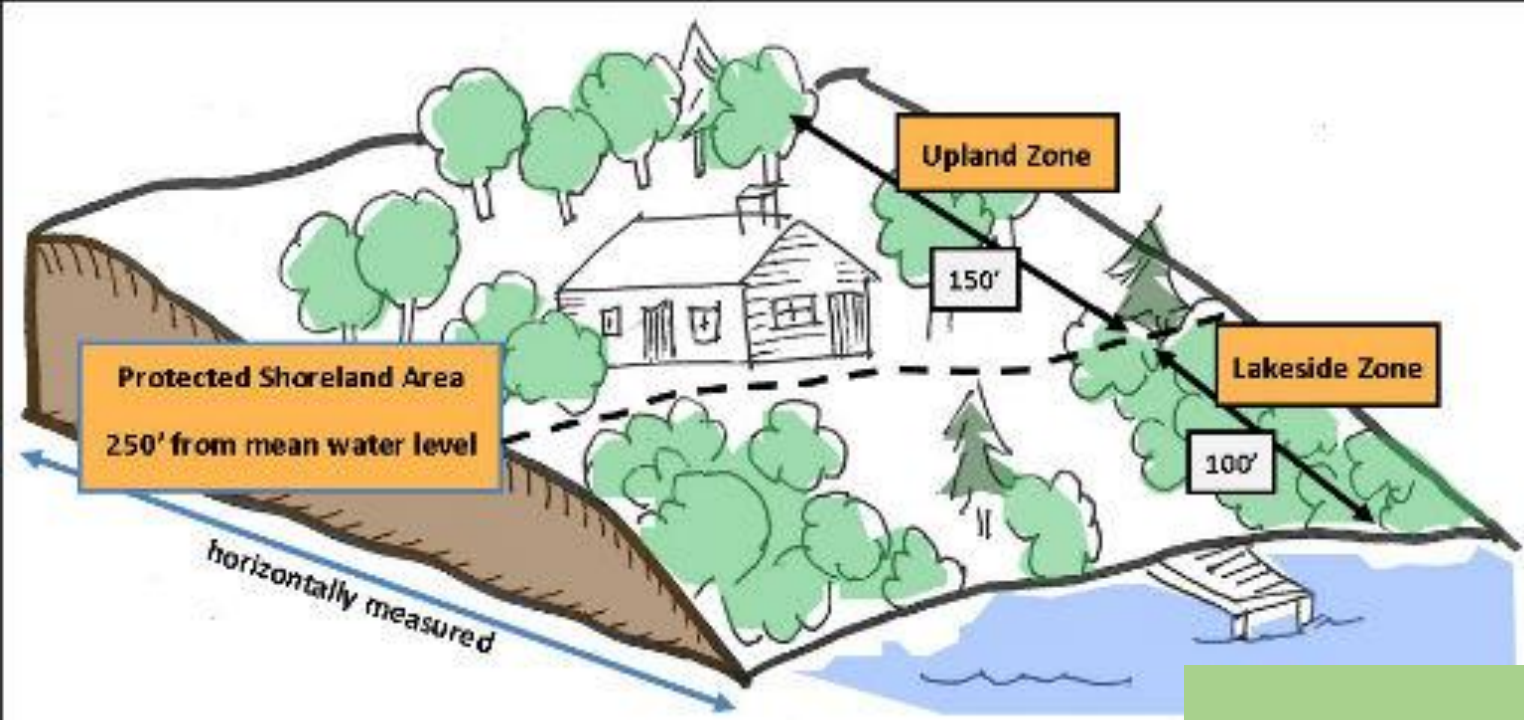




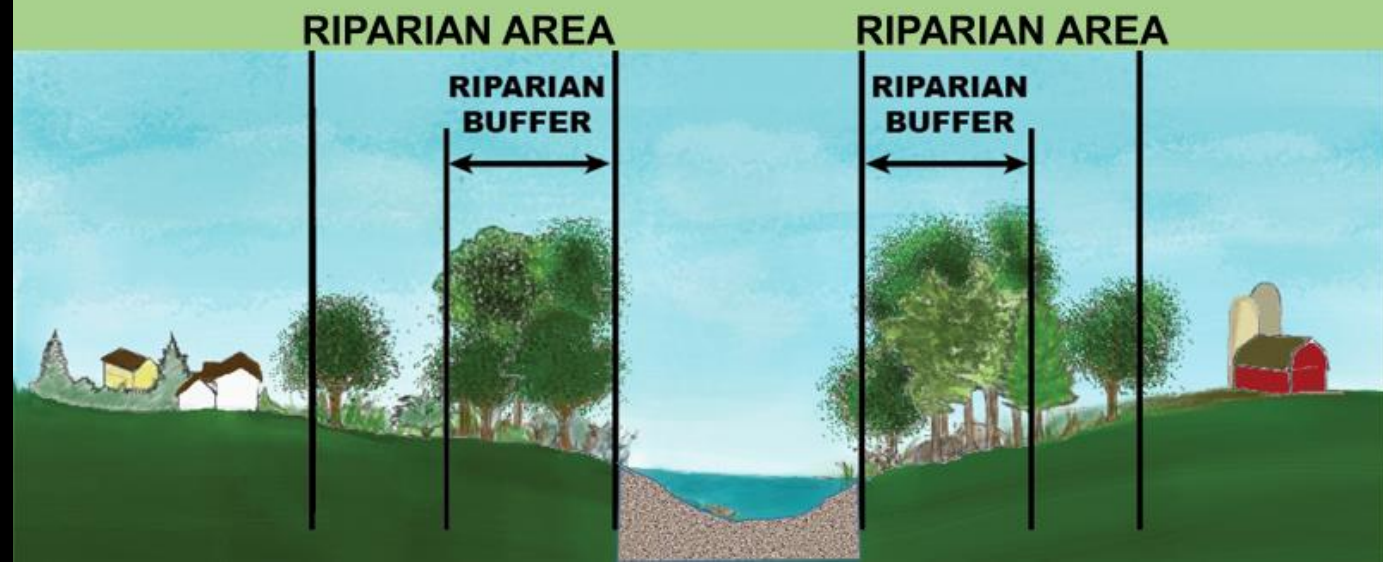


# Agenda

- Goals
- Planning
- Procurement
- Implementation



Riparian: land along a river







# Planning

- Know your site
- Site strategy





## Know your site

- Sensitive areas
- Topography
- Soils/ geology
- Potential sources and routing of sediment





## Site strategy

- Organization
- Enter/exit





# Procurement

- Equipment requirements
- Site requirements





Use the right  
equipment

- For the site
- For the job





# Minimize disturbance

- Specialized equipment
- Low-ground pressure vehicles







## Clean equipment

\*All equipment will be power spray washed to remove petroleum residue, dirt, and noxious weed seeds prior to entering the project area.





## Spill Kits

- On site
- In each machine
- Know how to use them





## Mats and bridges

“Just because you can drive through it doesn’t mean you should”





# Implementation

- Staging
- Sediment and erosion control
- Site restoration





## Staging

- Small footprint
- Optics





# Sediment and erosion control

- Silt fences
- Siltsoxx





# Site restoration

- Seeding and mulching
- Tree plantings





Questions