

Roseburg BLM Collaborative Forestry



MOIST FOREST PROJECT EXISTING CONDITIONS



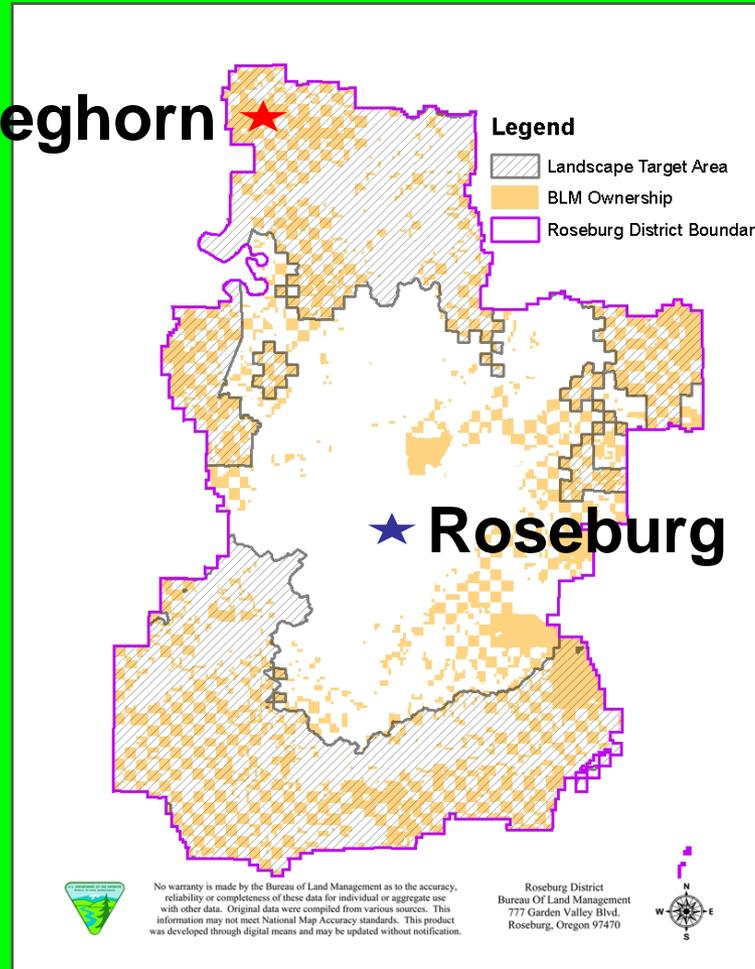
MOIST FOREST PROJECT

- “Johnson Cleghorn”
 - located in the Upper Smith River watershed
 - extreme NW corner of Roseburg BLM
 - 10 miles North of Elkton

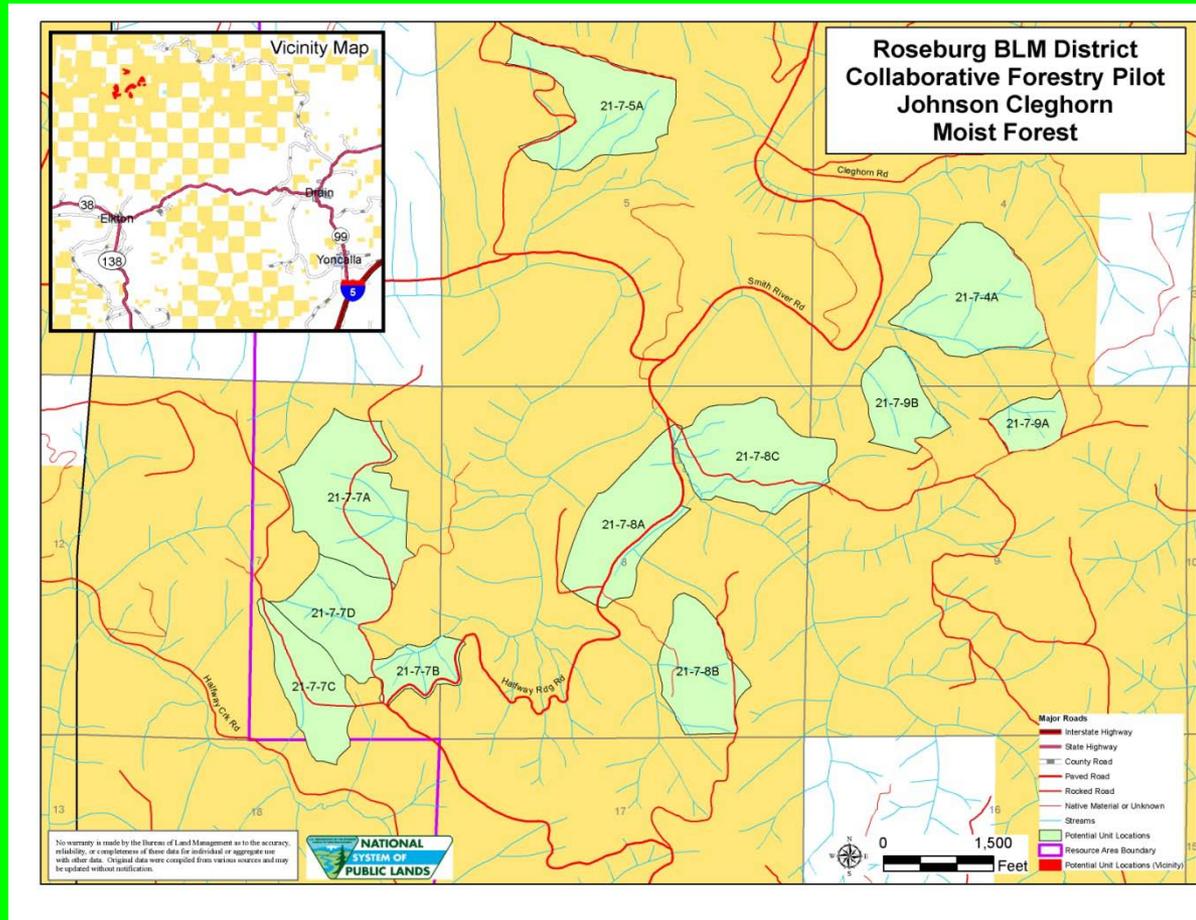


Collaborative Forestry Landscape Target Area

Johnson Cleghorn



JOHNSON CLEGHORN



JOHNSON CLEGHORN

Potential Treatment Units

- annual average rainfall is 60-70 inches
- Roseburg is 30-35 inches
- elevation is 600' to 1200'
- topography, steep to less steep
- western hemlock vegetation zone
 - Douglas-fir commonly dominates
 - but hemlock is the principal minor species



JOHNSON CLEGHORN

Potential Treatment Units

- 11 potential areas
- \approx 400 acres
- size varies from 17-66 acres
- age range 40 – 48 years-old
- site productivity is high
 - 1 and 2 on a scale of 1 to 5



JOHNSON CLEGHORN



Clearcut harvested in 1950s-1960s



JOHNSON CLEGHORN



Reforested by planting or seeding



JOHNSON CLEGHORN



≈ 70% of acres - Precommercially Thinned



JOHNSON CLEGHORN



≈ 20% of acres - Fertilized



JOHNSON CLEGHORN

Potential Treatment Units



Moist Forest Project – Existing Conditions

JOHNSON CLEGHORN

Potential Treatment Units



Moist Forest Project – Existing Conditions

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Potential Treatment Units

- average tree diameter \approx 12”
- average density \approx 230 (trees over 6” DBH)
 - range from 155 to 440
- Average Tree Species Composition
 - 94% Douglas-fir (range 75% to 99%)
 - 6% minor species (range 1% to 25%)



JOHNSON CLEGHORN

Potential Treatment Units

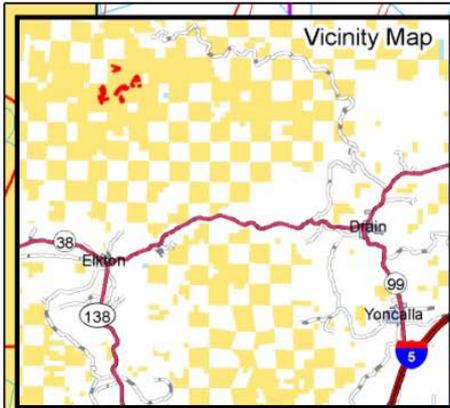
- Relative Density ≈ 64
 - range = 46 to 77
- Basal Area ≈ 220 feet² per acre
 - range = 160 to 270
- Height of 40 largest trees ≈ 115 feet
- Average volume ≈ 40 MBF/acre (16' logs)
 - range = 34 to 50 MBF/acre



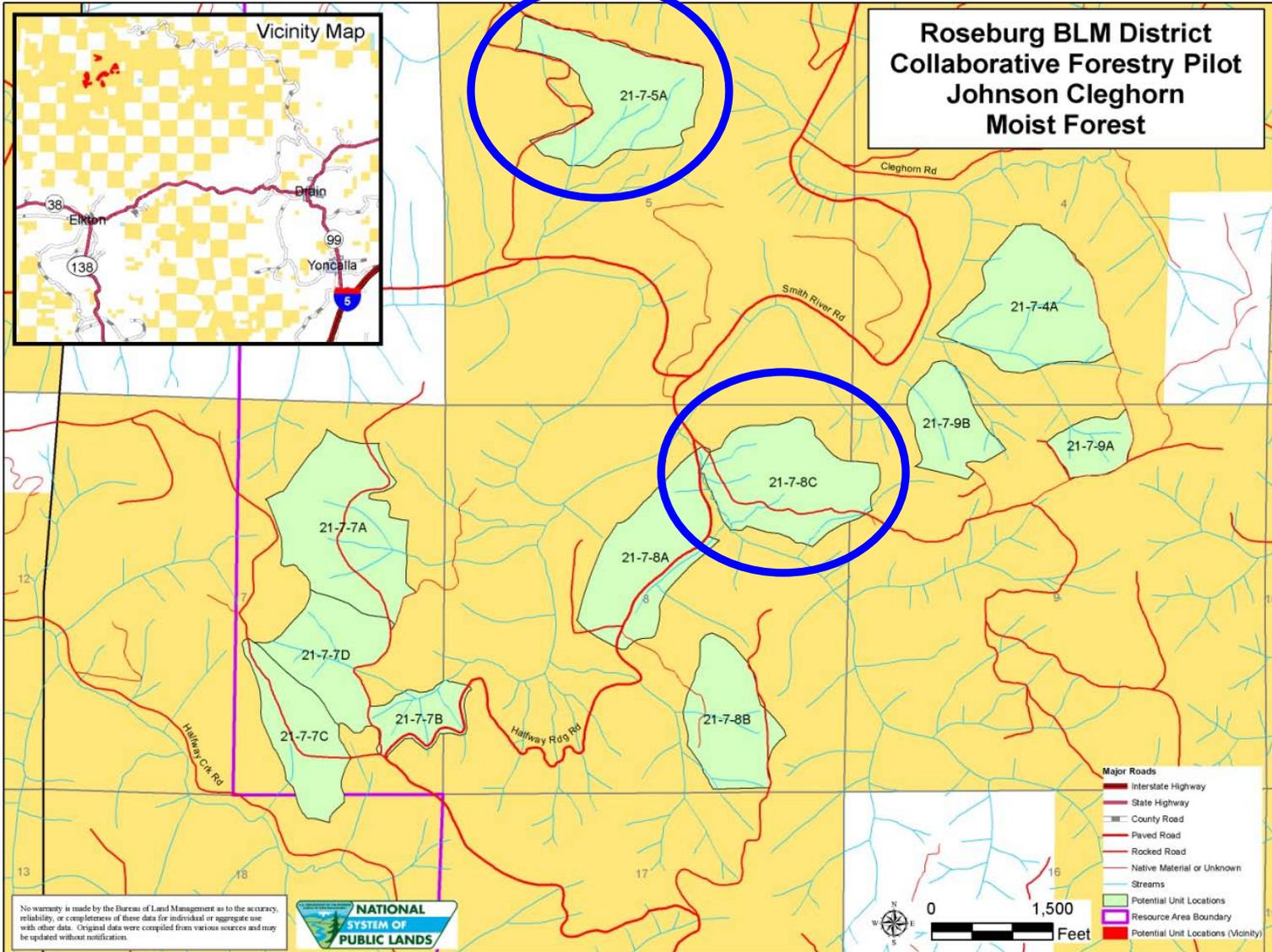
JOHNSON CLEGHORN

FIELD TRIP LOCATIONS

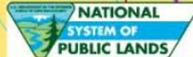




**Roseburg BLM District
Collaborative Forestry Pilot
Johnson Cleghorn
Moist Forest**



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Moist Forest Project – Existing Conditions

QUESTIONS



