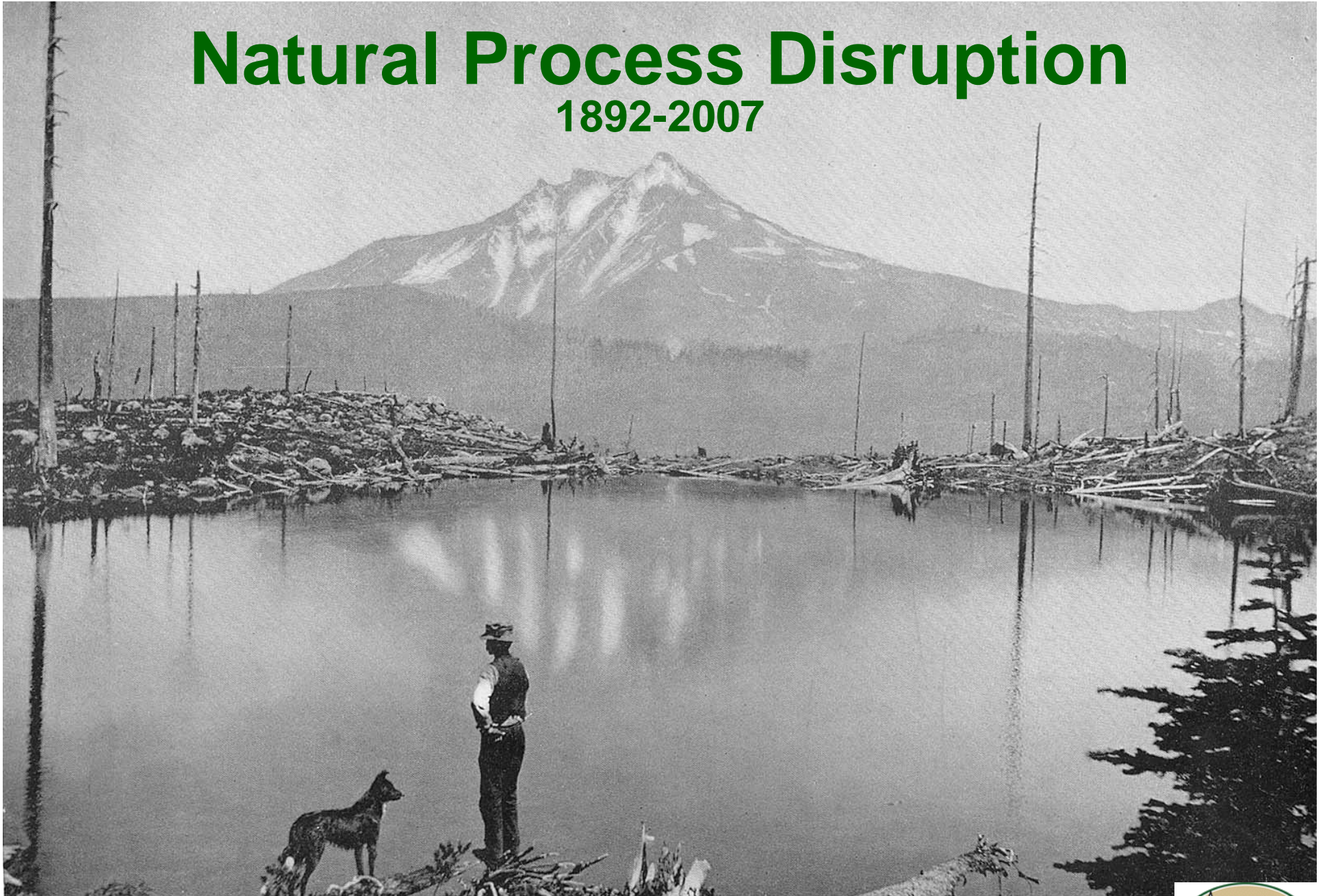


# Natural Process Disruption

1892-2007



John D. Bailey - Oregon State University



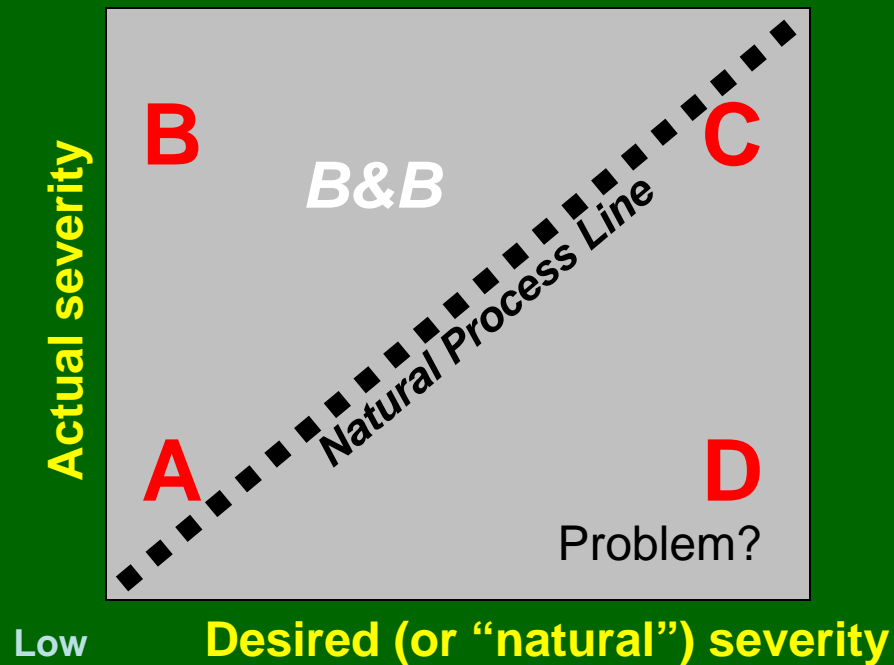




*B&B Complex Fire*



1. Mixed-severity fire is a reality for the future
2. Mixed-objective forestry is also a reality
3. Good silviculture is the answer
  - Stand dynamics
  - Spatial context within watersheds
  - Temporal progression



# Important Factors?



## Biophysical:

1. Pre-wildfire fuel matrix
  - Watershed and fire implications
2. Fire events/severity
  - Weather conditions - climate
  - Suppression activities
3. Post-fire conditions
  - Ecosystem stability
  - Vegetation regeneration
  - Dead wood
  - 30-50 years out?

## Sociopolitical:

1. Fuel treatment options
2. Suppression activities/costs
3. Salvage and restoration

# Important Factors?



## Sociopolitical:

- Fuel treatment options
- Suppression activities/costs
- Salvage and restoration

1. Innate fear of fire/wilderness
2. Smokey Bear
3. Population and WUI; New West
4. Decades (now) of agency mistrust – value differences
5. Agency resource decline

# Possible Solutions?



## Biophysical:

1. Pre-wildfire fuel treatment
  - Stand-level effect on severity
  - Landscape-level effect on spread
2. Fire events/severity
  - Climate change?
3. Post-fire management
  - Relevant salvage and restoration

## Sociopolitical:

1. Fuel treatment options
  - Within the agencies
  - Public education
2. Suppression activities
  - Within the agencies
  - Public education
3. Salvage and restoration



# Barriers?



1. How many acres should we treat and where?
  - Priorities: focus on WUI is short-sighted
  - Details: mechanical vs. prescribed burning
2. How many acres CAN we treat, where and how quickly?
3. Return interval for treatments?
4. Pre- vs. post-fire work; current balance and how that changes?





**Davis Lake Fire – salvaged or not?**