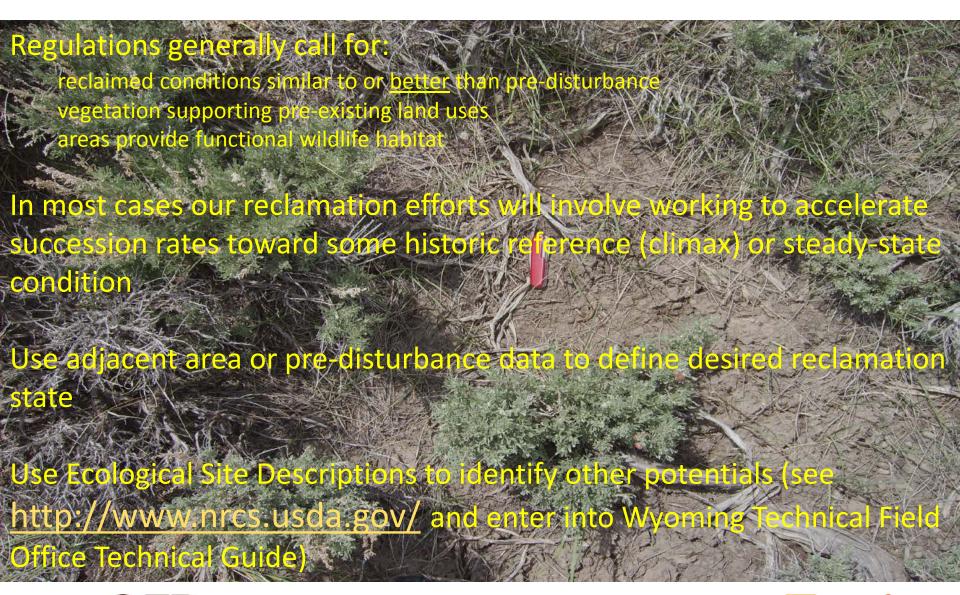


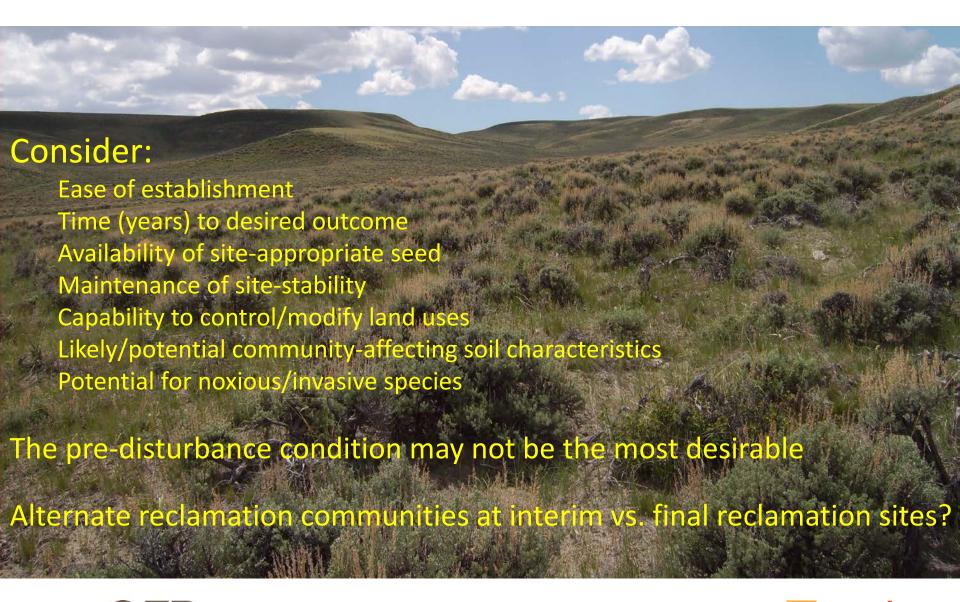


Desired Post-Reclamation Plant Community





Desired Post-Reclamation Plant Community



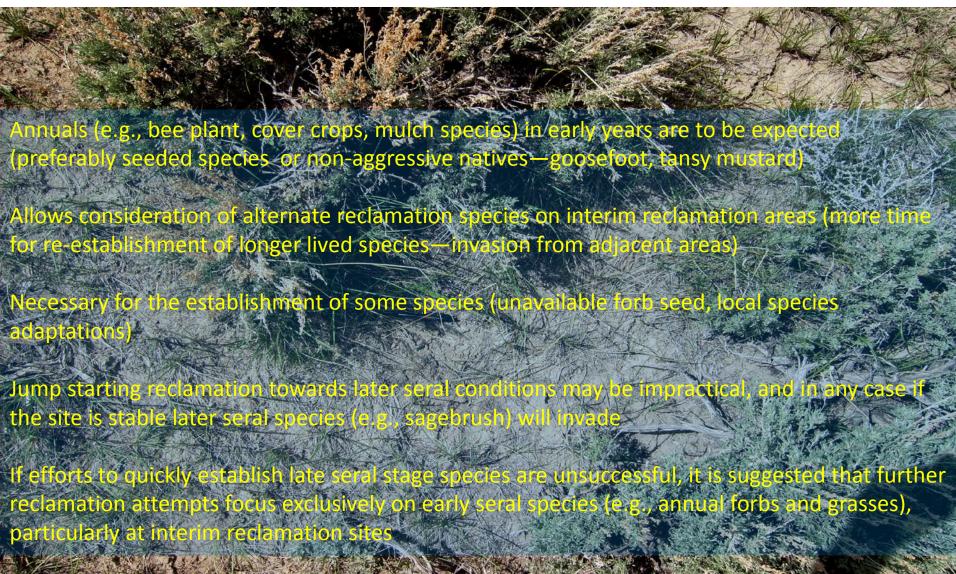


Plant Succession

A directional change in the species that occupy a site over time (not seasonal or millennial) Natural post-disturbance progression Primary vs. Secondary Succession Soil changes with time (pH, N, C, differing microbes, bulk density, structure) General trends: short-lived species (r-selected) to long-lived species (K-selected) fewer life forms to more life forms (increased physiognomy) increasing above ground biomass slowed nutrient cycling ncreasing site-stability



Why Succession Matters













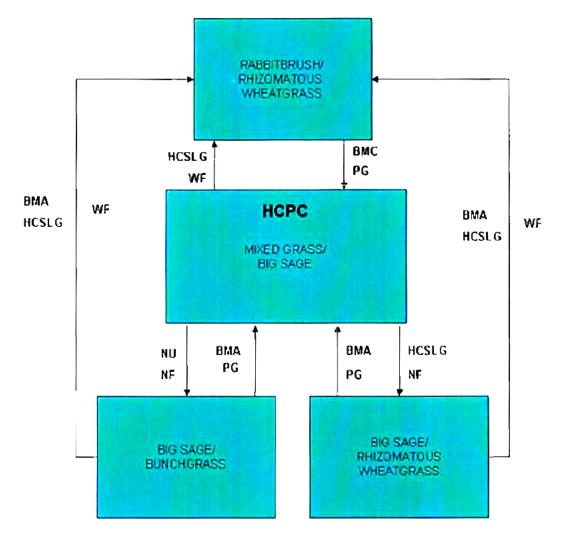




Grazing to Direct Successional Trend

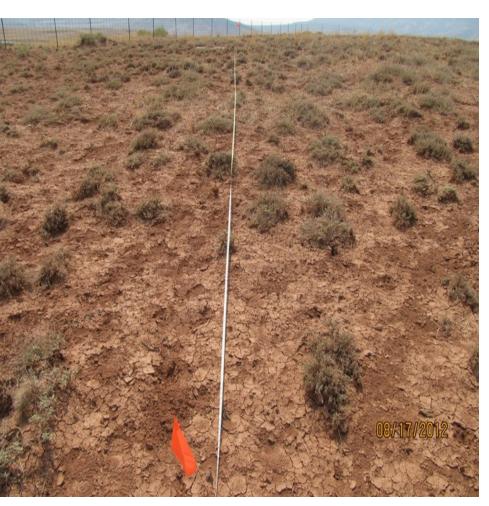








Fencing to Exclude Grazing











Monitoring for Trend

Suggestions for monitoring trend: basal cover may be better than foliar cover (particularly for shrubs; not suited for rhizomatous sp. consistent monitoring timing (not necessarily date, but phenological -state) annual quantitative menitoring may be unnecessary (e.g., every 3 or 5th year once plants established) permanent transects may be better suited



use of photos

Questions



