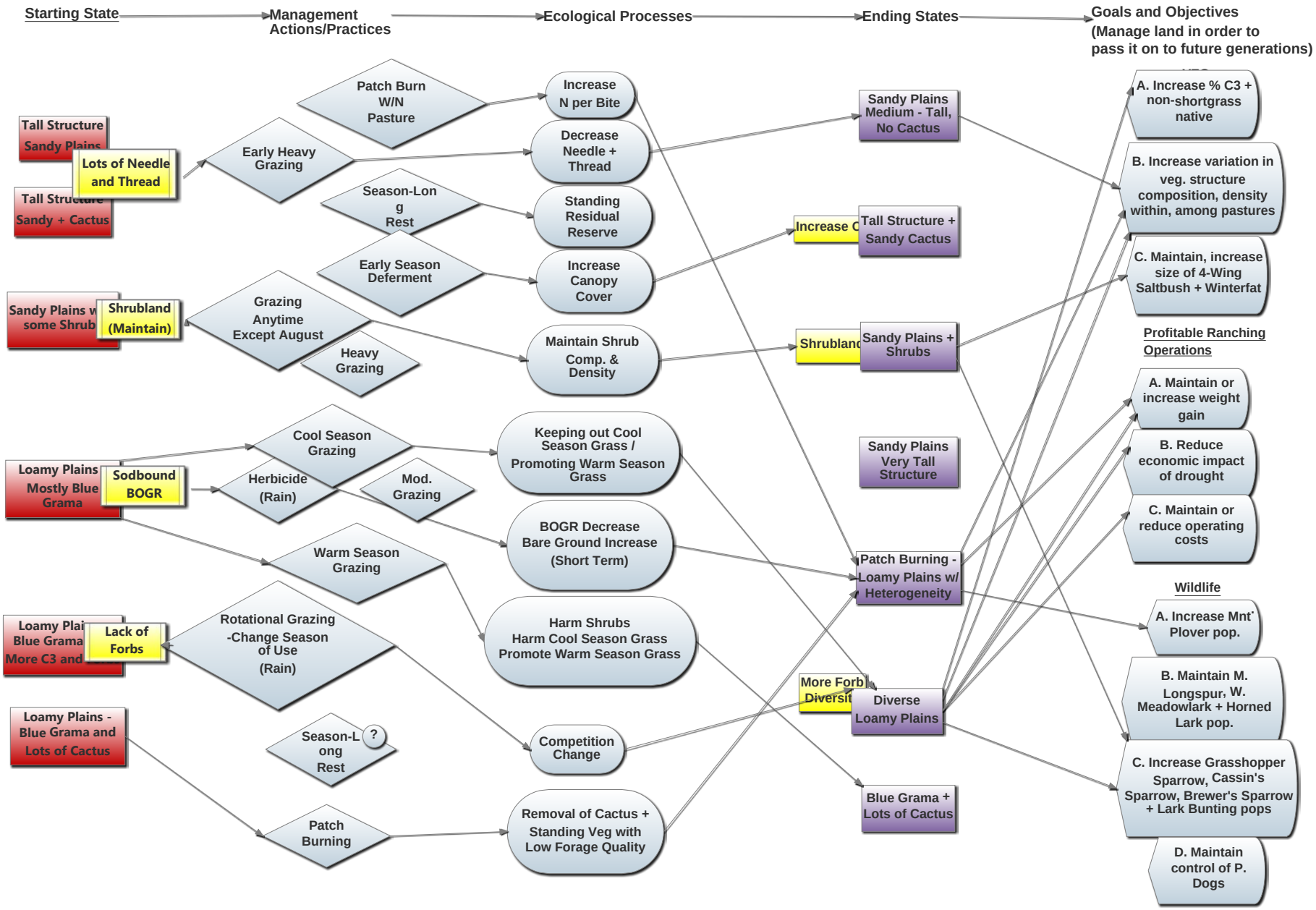
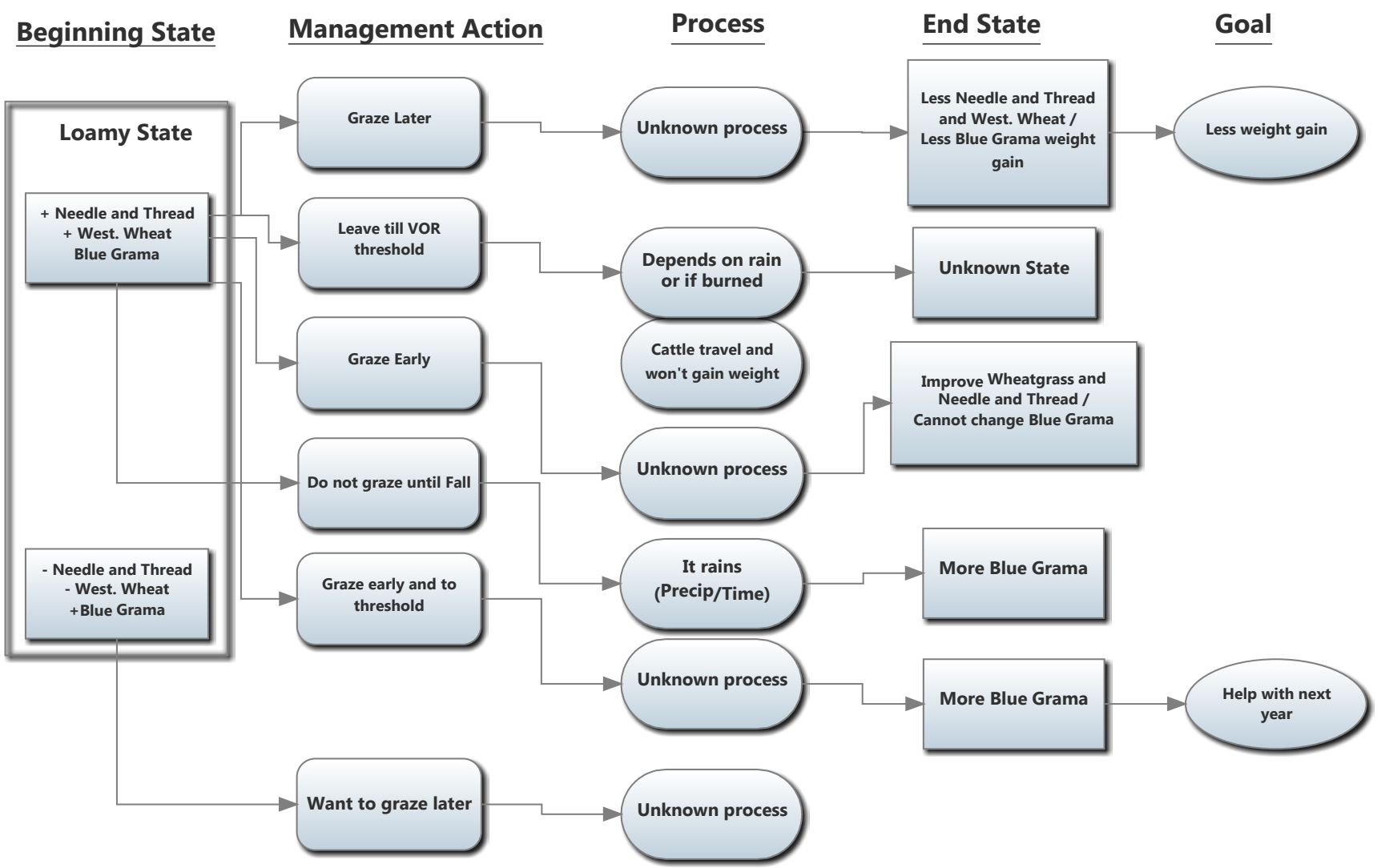
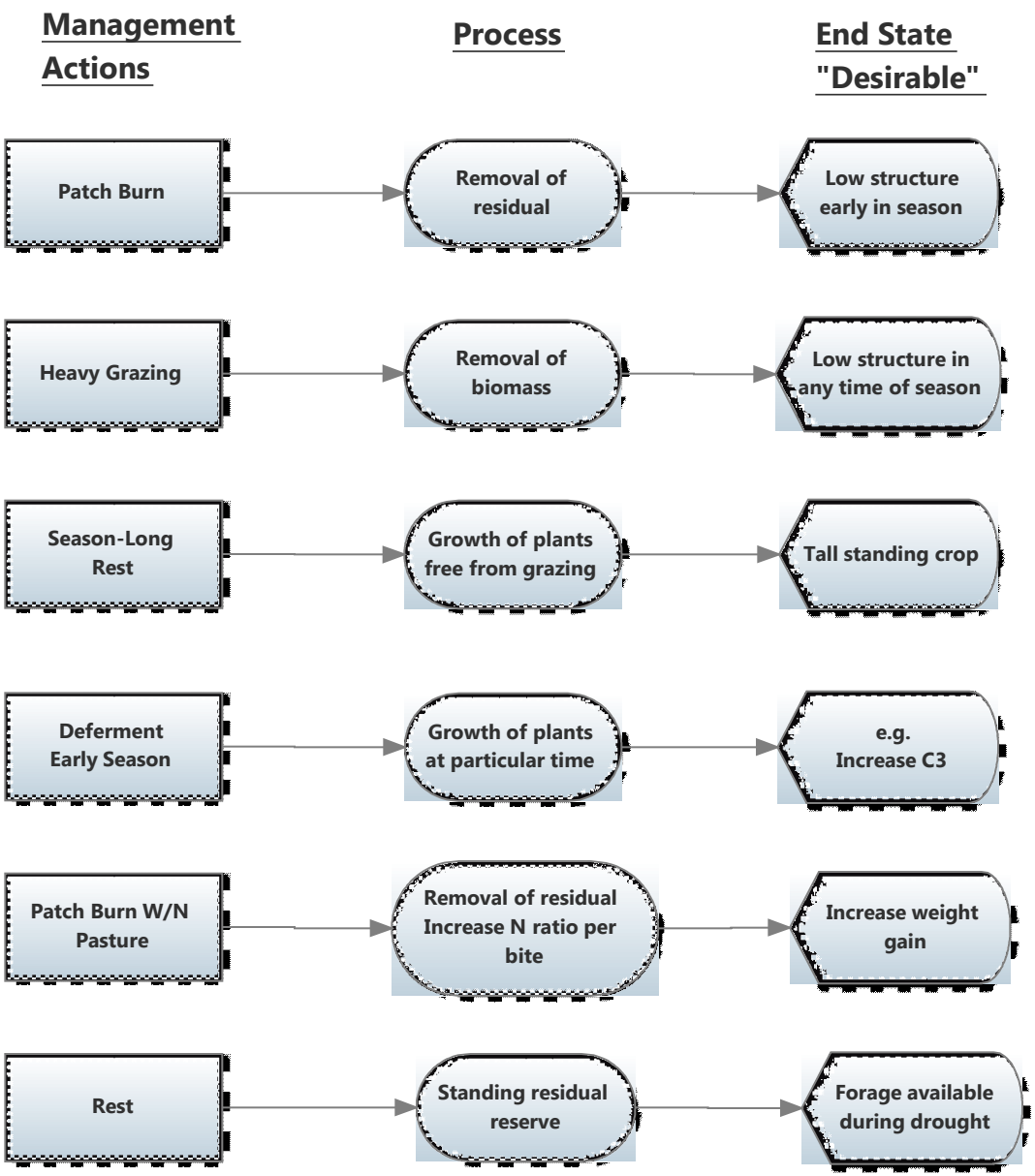

Starting State
Management Actions/Practices
Ecological Processes
Ending States
Goals and Objectives (Manage land in order to pass it on to future generations)
Tall Structure Sandy Plains
Lots of Needle and Thread
Tall Structure Sandy + Cactus
Sandy Plains w some Shrub
Shrubland (Maintain)
Loamy Plains Mostly Blue Grama
Sodbound BOGR
Loamy Plai Blue Grama More C3 and
Lack of Forbs
Loamy Plains - Blue Grama and Lots of Cactus
Early Heavy Grazing
Patch Burn W/N Pasture
Season-Long Rest
Early Season Deferment
Grazing Anytime Except August
Heavy Grazing
Cool Season Grazing
Herbicide (Rain)
Mod. Grazing
Warm Season Grazing
Rotational Grazing -Change Season of Use (Rain)
Season-Long Rest
?
Patch Burning
Increase N per Bite
Decrease Needle + Thread
Standing Residual Reserve
Increase Canopy Cover
Maintain Shrub Comp. & Density
Keeping out Cool Season Grass / Promoting Warm Season Grass
BOGR Decrease Bare Ground Increase (Short Term)
Harm Shrubs Harm Cool Season Grass Promote Warm Season Grass
Competition Change
Removal of Cactus + Standing Veg with Low Forage Quality
Sandy Plains Medium - Tall, No Cactus
Increase C
Tall Structure + Sandy Cactus
Shrubland
Sandy Plains + Shrubs
Sandy Plains Very Tall Structure
Patch Burning - Loamy Plains w/ Heterogeneity
More Forb Diversit
Diverse Loamy Plains
Blue Grama + Lots of Cactus
A. Increase % C3 + non-shortgrass native
B. Increase variation in veg. structure composition, density within, among pastures
C. Maintain, increase size of 4-Wing Saltbush + Winterfat
Profitable Ranching Operations
A. Maintain or increase weight gain
B. Reduce economic impact of drought
C. Maintain or reduce operating costs
Wildlife
A. Increase Mnt' Plover pop.
B. Maintain M. Longspur, W. Meadowlark + Horned Lark pop.
C. Increase Grasshopper Sparrow, Cassin's Sparrow, Brewer's Sparrow + Lark Bunting pops
D. Maintain control of P. Dogs


Beginning State
Management Action
Process
End State
Goal
Loamy State
+ Needle and Thread
+ West. Wheat
Blue Grama
- Needle and Thread
- West. Wheat
+Blue Grama
Graze Later
Leave till VOR threshold
Graze Early
Do not graze until Fall
Graze early and to threshold
Want to graze later
Unknown process
Depends on rain or if burned
Cattle travel and won't gain weight
Unknown process
It rains (Precip/Time)
Unknown process
Unknown process
Less Needle and Thread and West. Wheat / Less Blue Grama weight gain
Unknown State
Improve Wheatgrass and Needle and Thread / Cannot change Blue Grama
More Blue Grama
More Blue Grama
Less weight gain
Help with next year


Management Actions
Process
End State "Desirable"
Patch Burn
Removal of residual
Low structure early in season
Heavy Grazing
Removal of biomass
Low structure in any time of season
Season-Long Rest
Growth of plants free from grazing
Tall standing crop
Deferment Early Season
Growth of plants at particular time
e.g. Increase C3
Patch Burn W/N Pasture
Removal of residual Increase N ratio per bite
Increase weight gain
Rest
Standing residual reserve
Forage available during drought