

“Soil Health Why  
Should We Care”

By: Jimmy Emmons

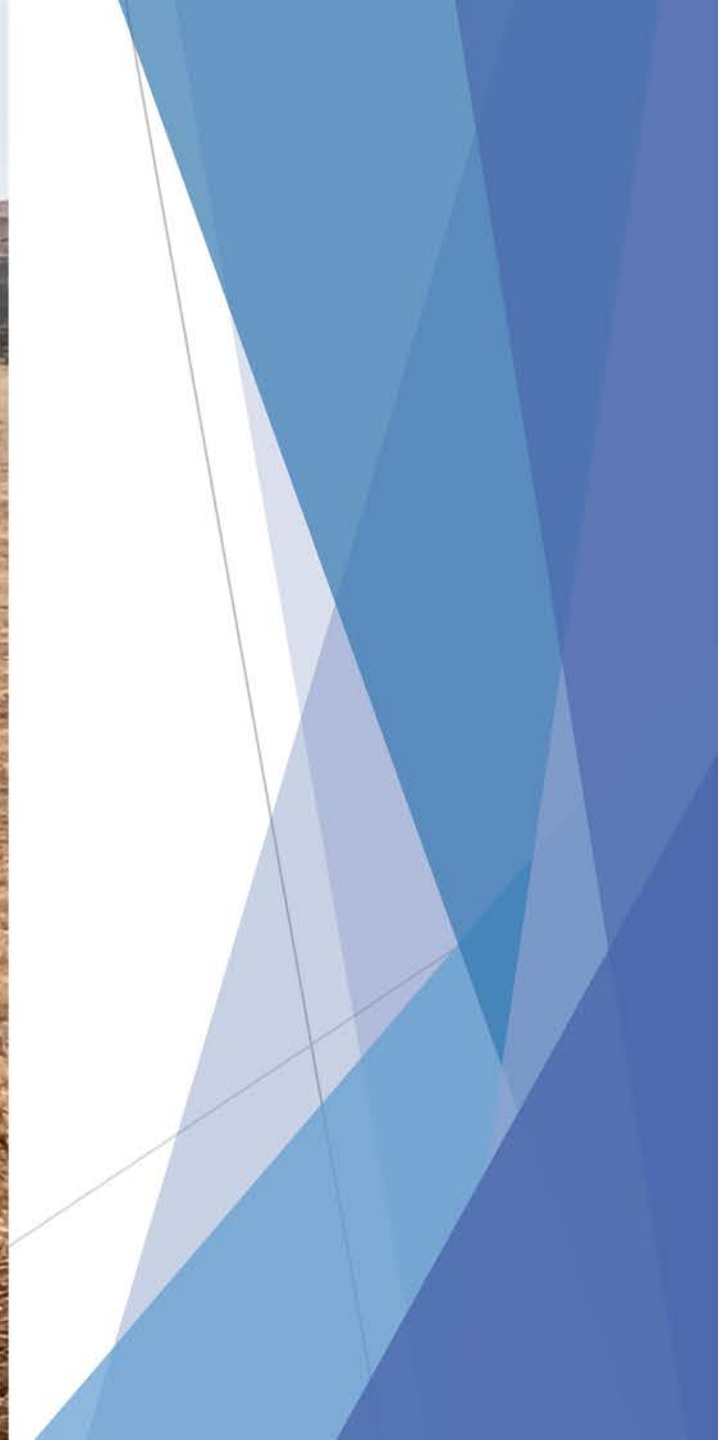
**Grazing Management**

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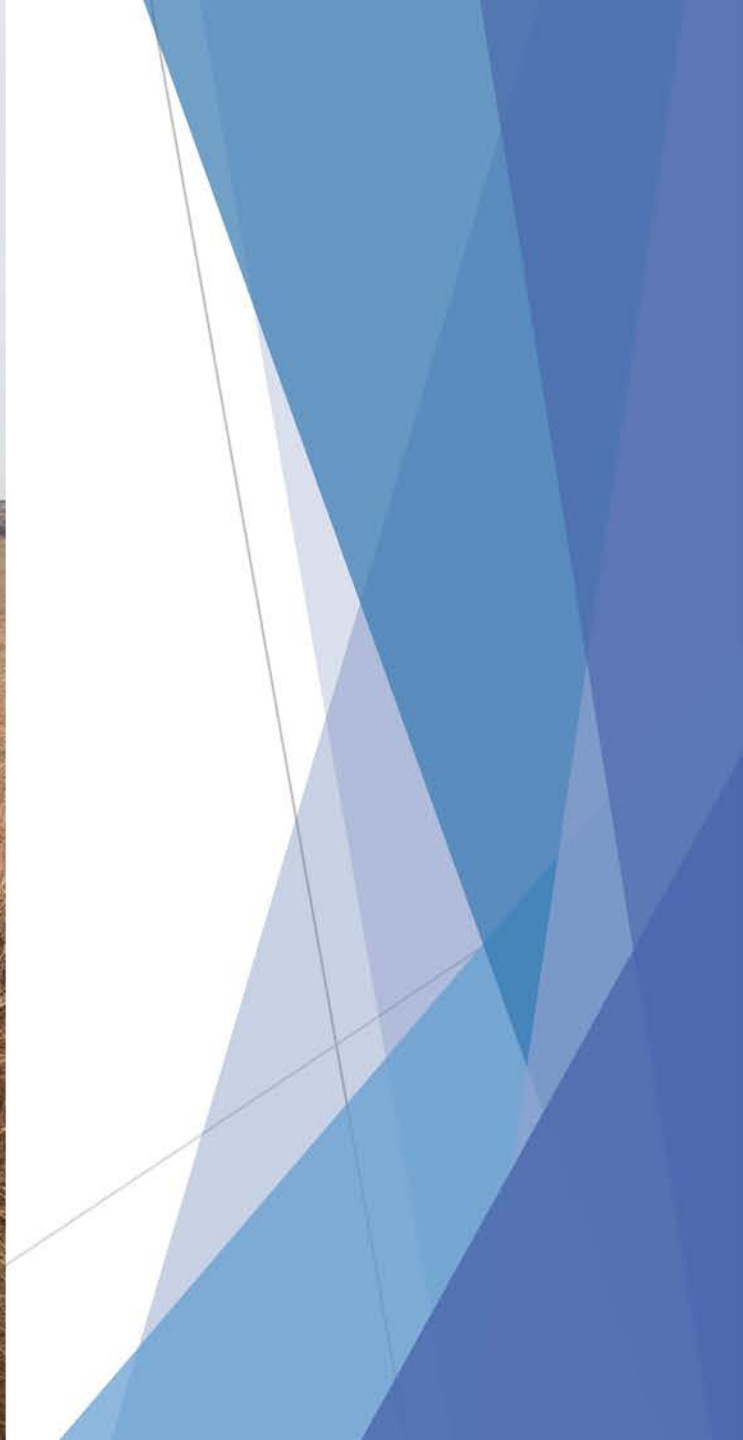
For Conservation

1. Armor the soil.
2. Minimize soil disturbance.
3. Increase plant diversity.
4. Keep living roots in the ground all year.
5. Integrate livestock grazing.





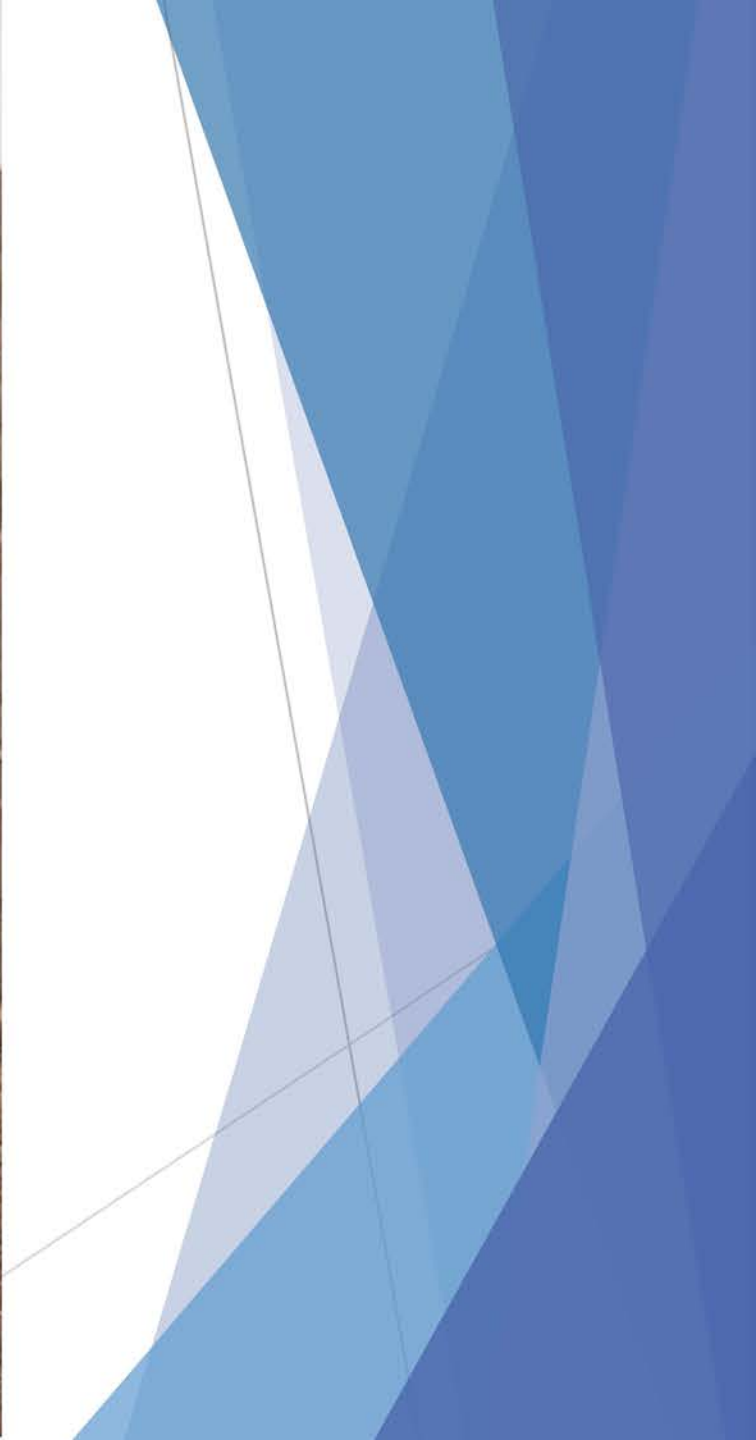




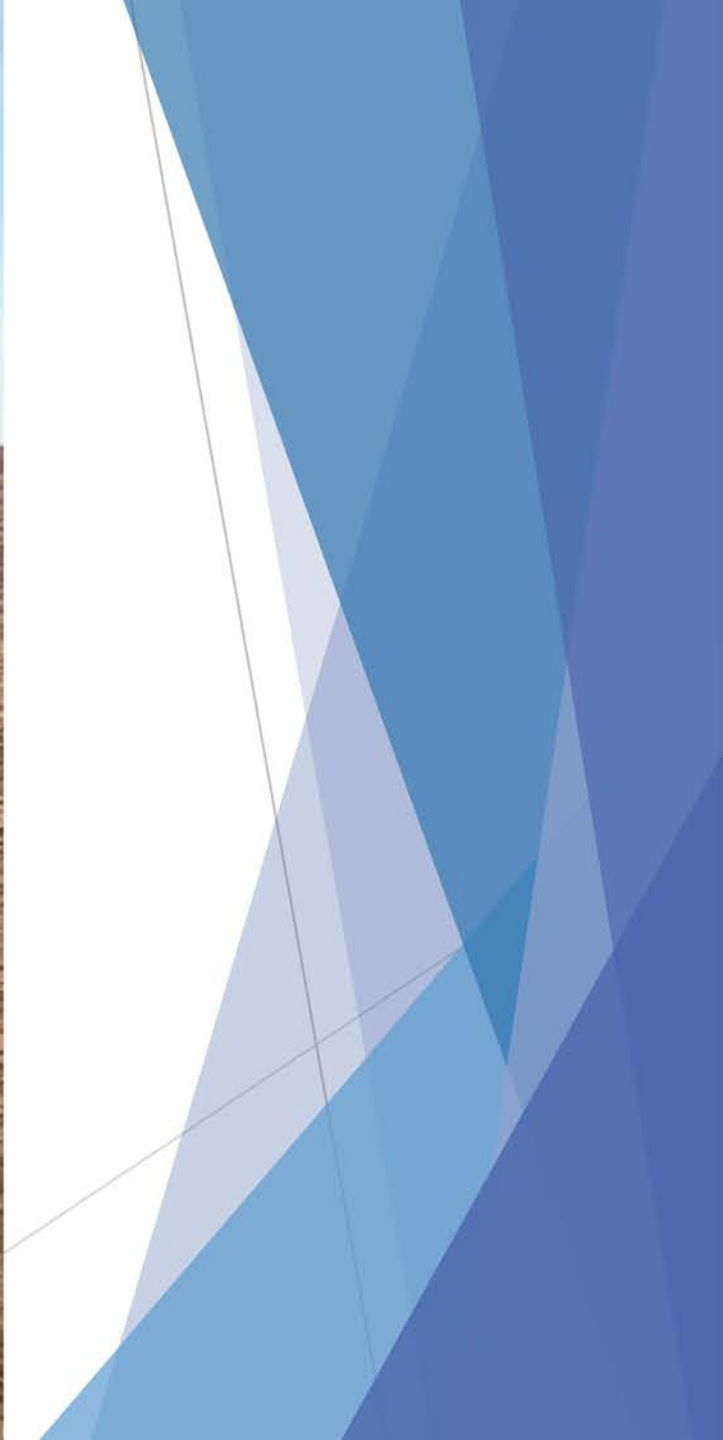




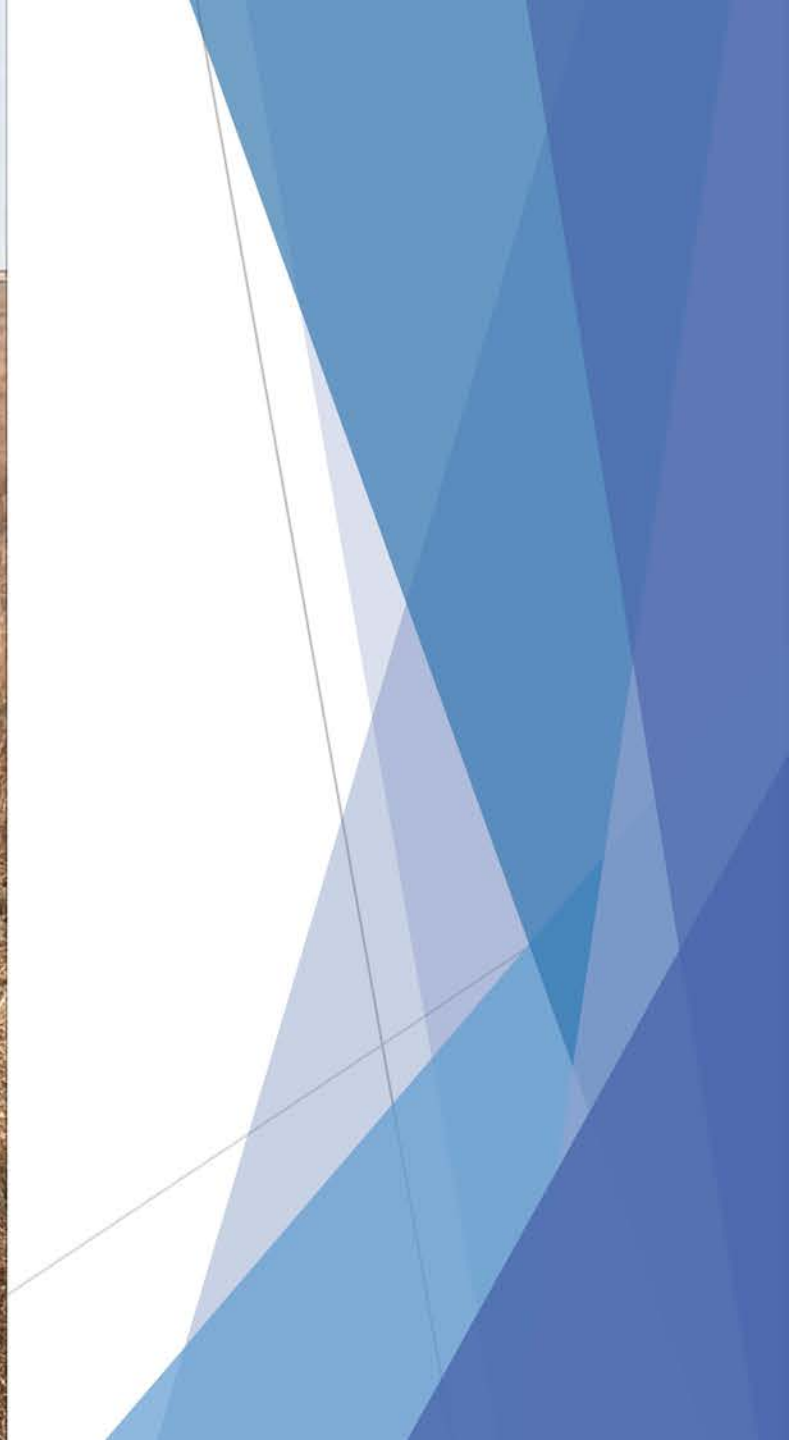




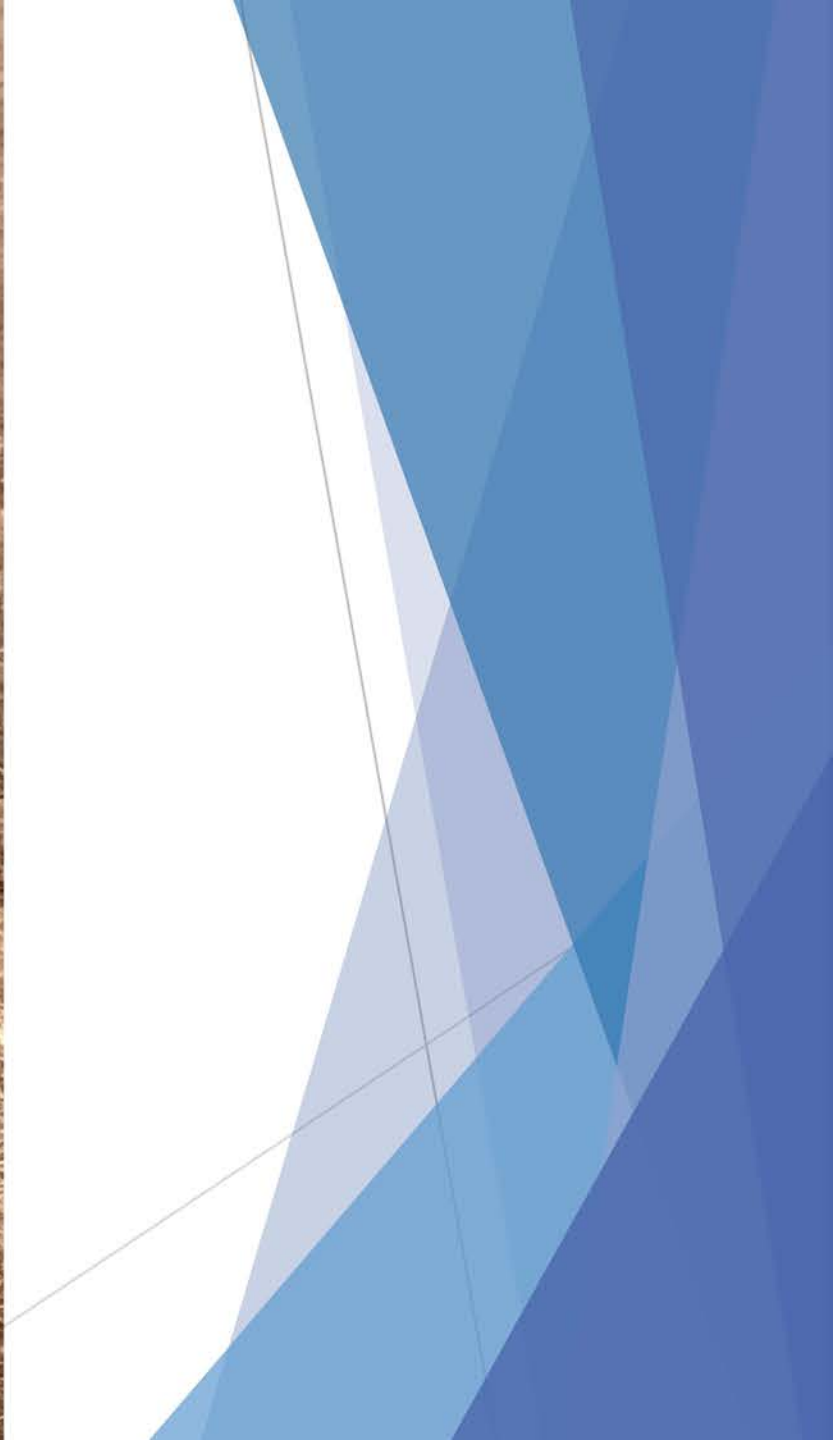












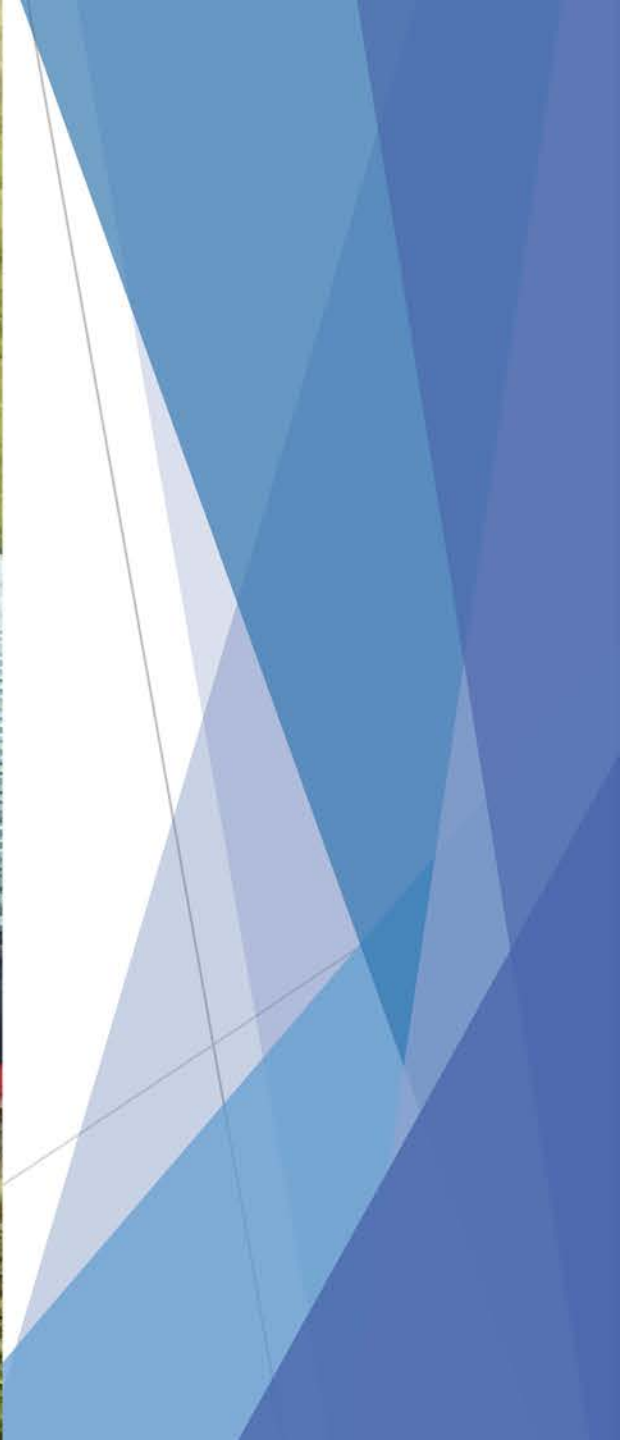
















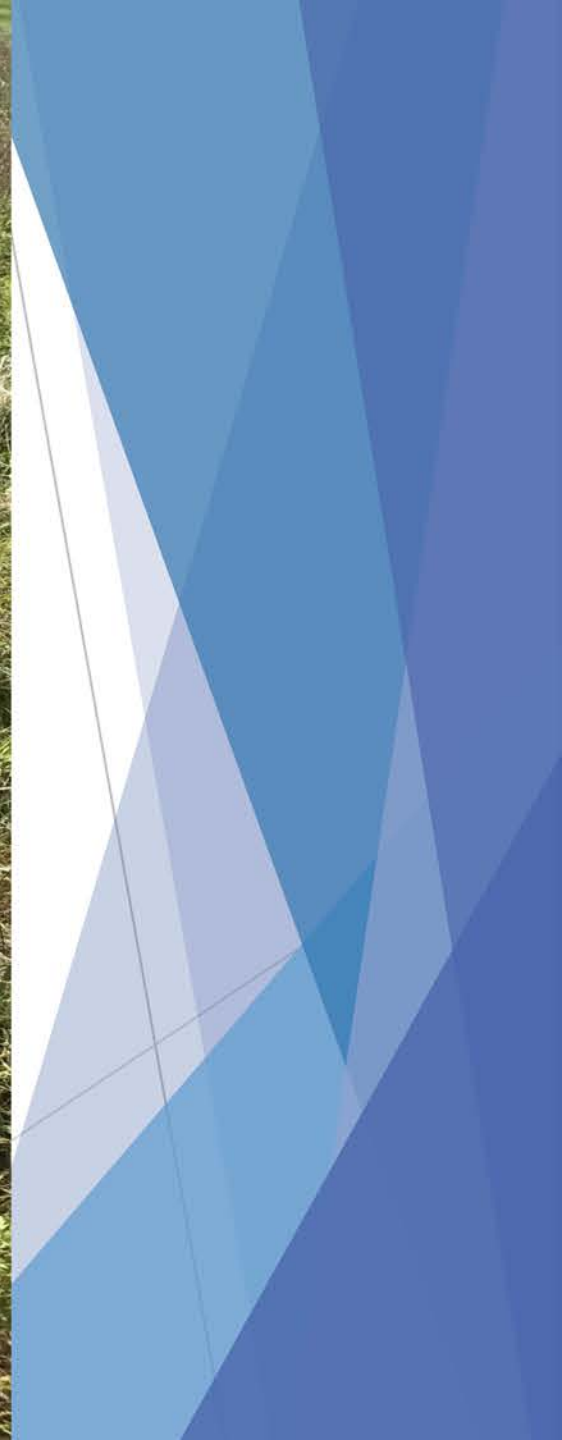








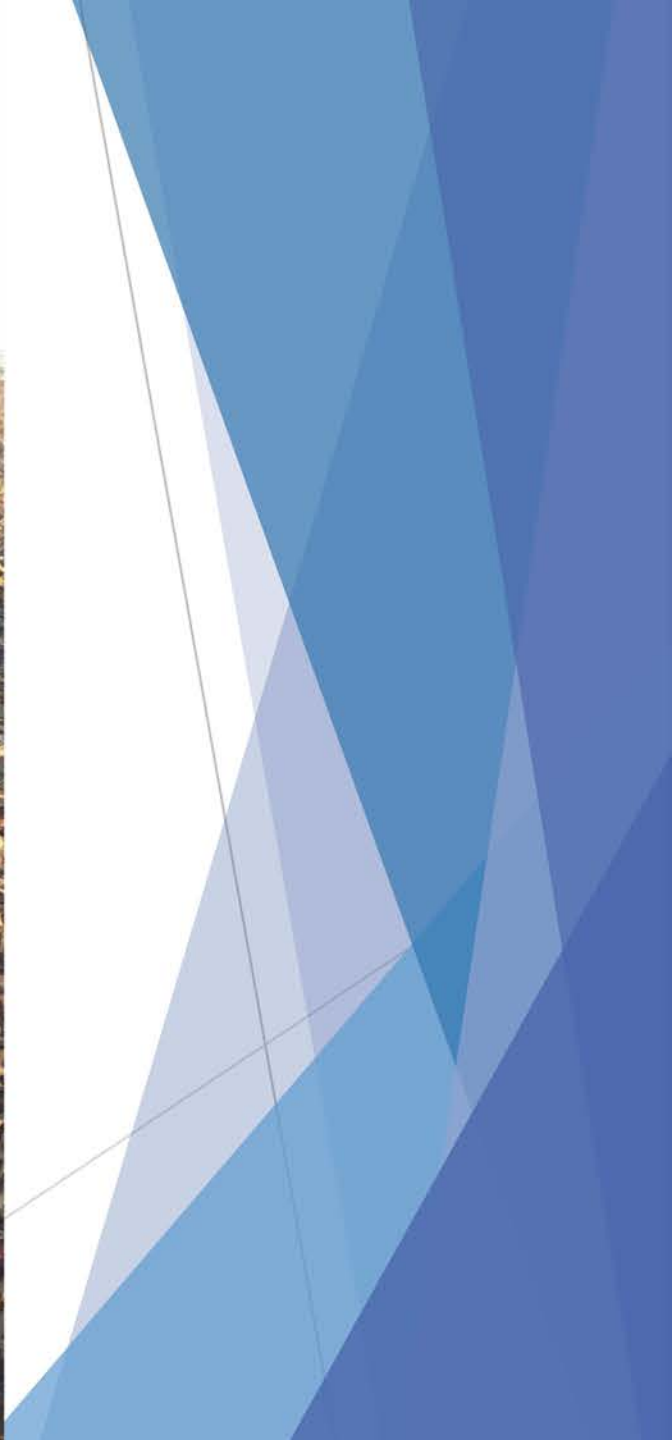








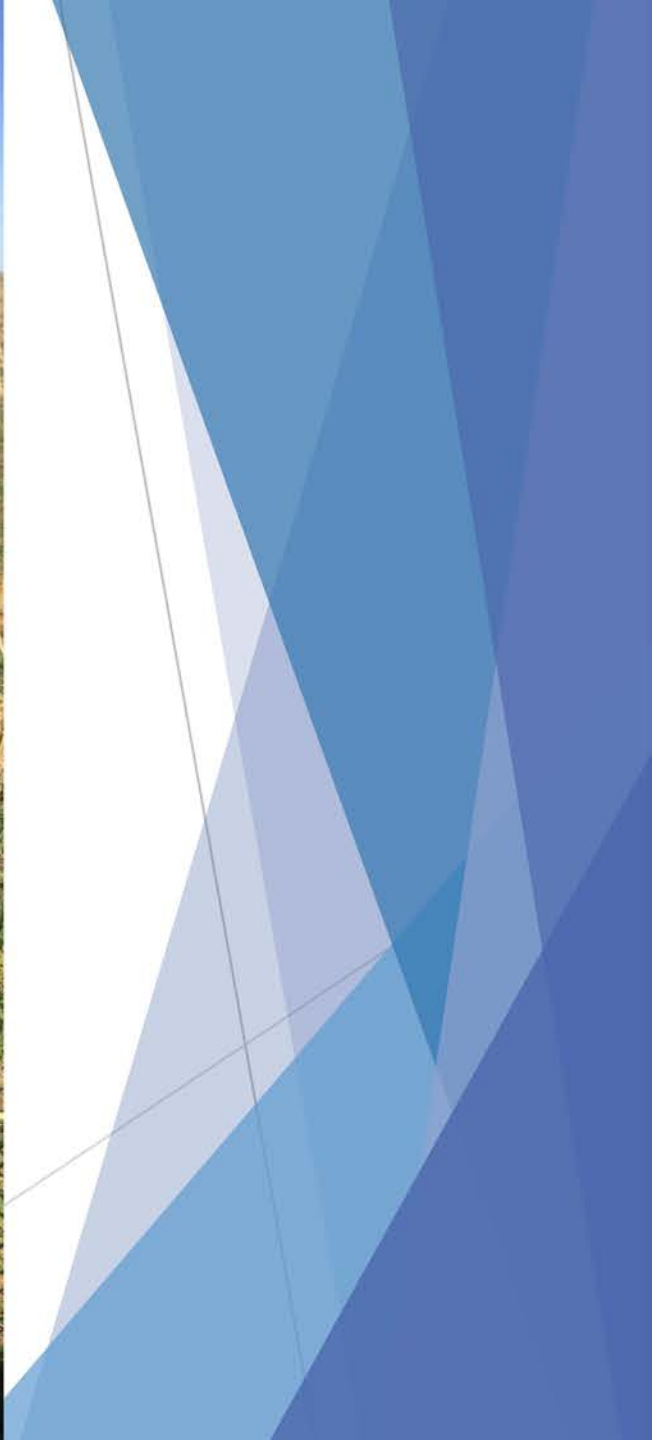












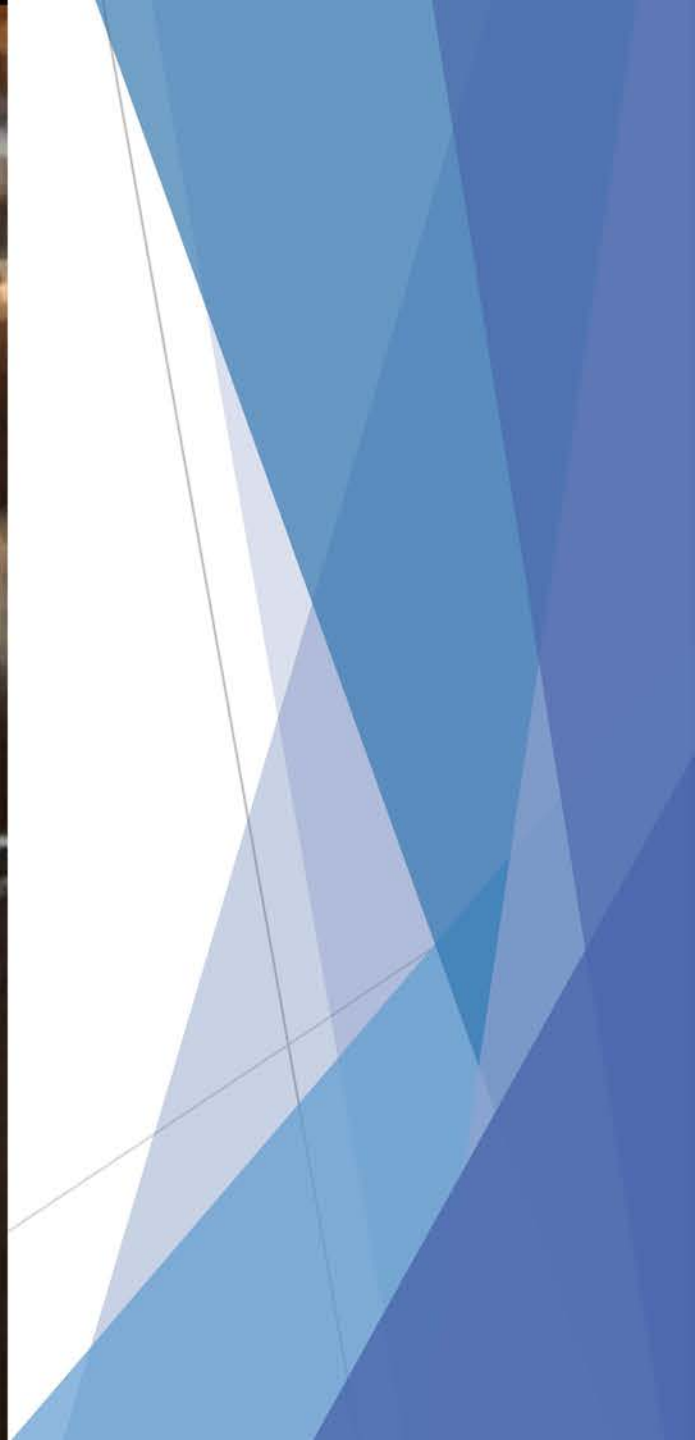




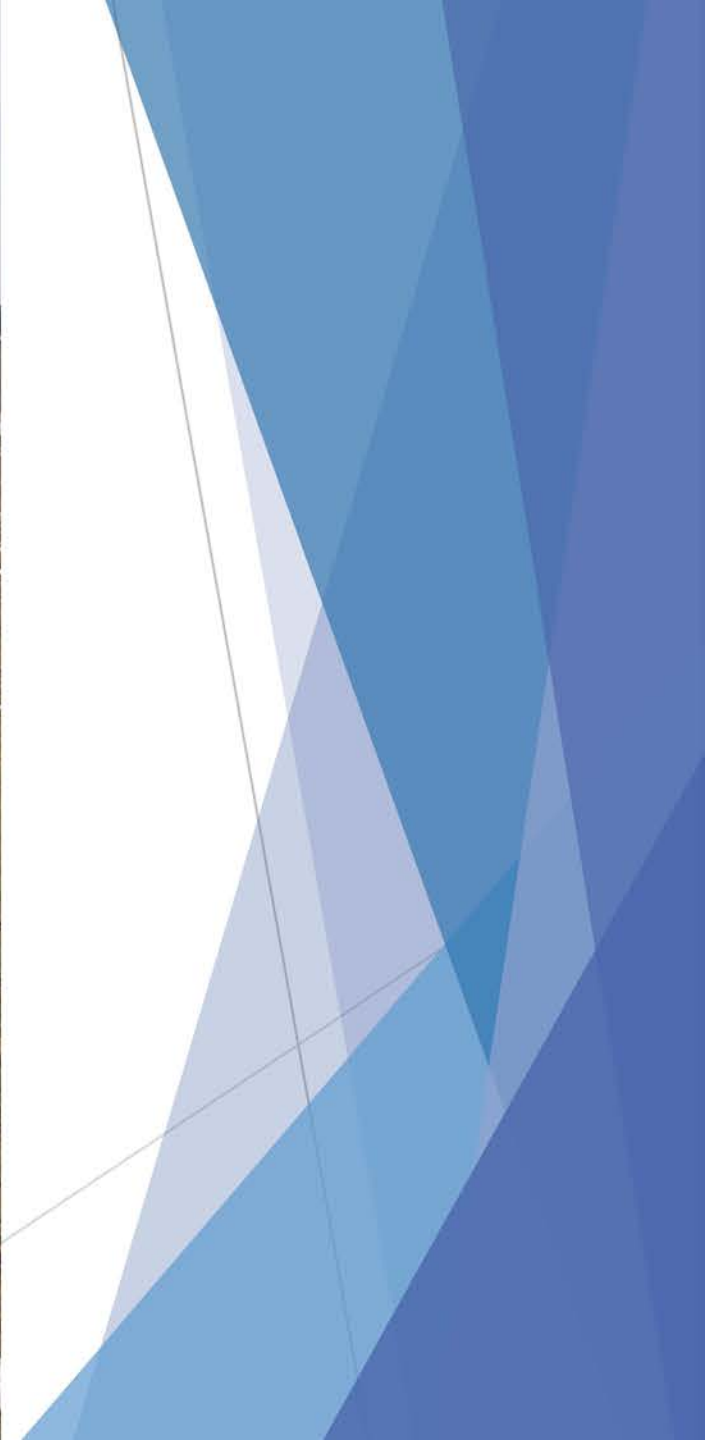




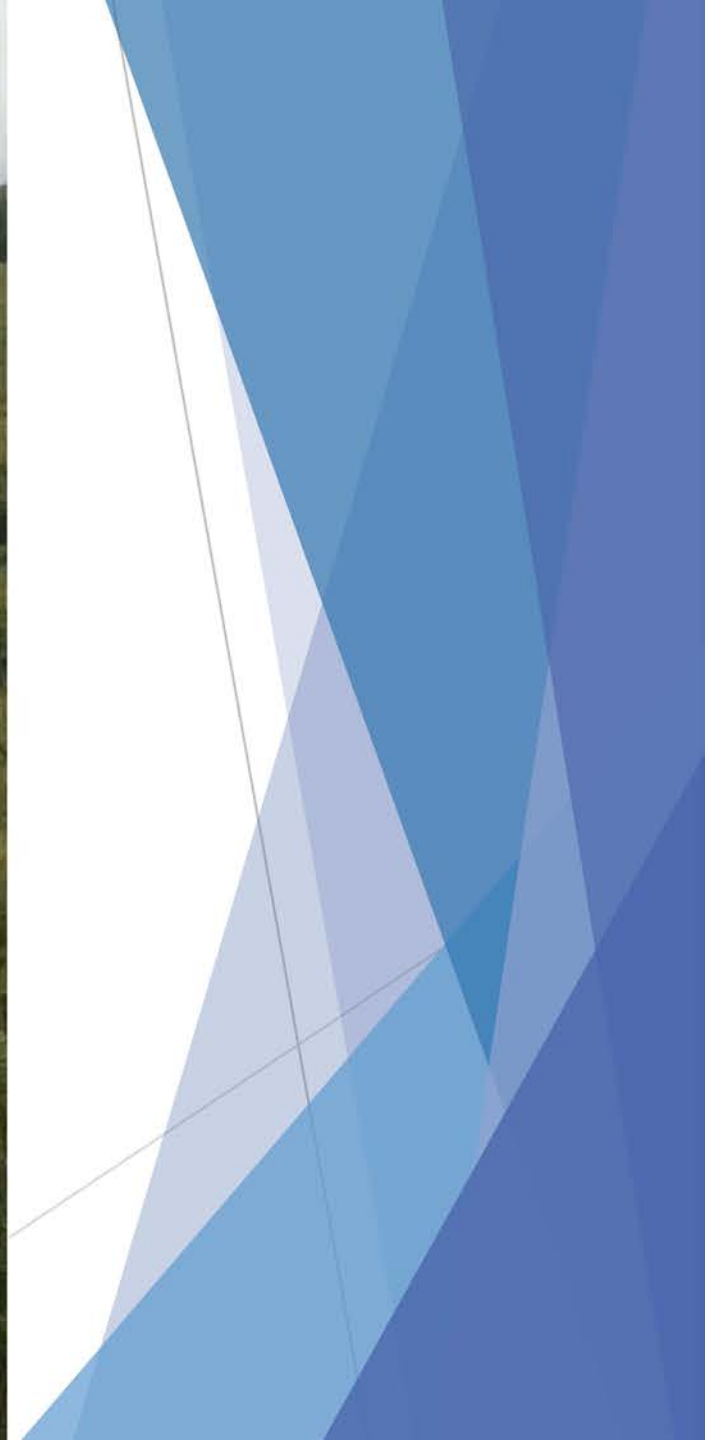














# Emmons Ranch and Farm

2000 acres of farm ground  
6000 acres of Rangeland

To add 1% OM would add 27152 gal per ac.  
X 8000 ac. 217,216,000 more capacity



# Mississippi River Basin

736,640,000 Million AC. Approx.

The Mississippi River flows Approx  
4,435,640 gal. per. Sec.

$736,640,000 \times 27,152 = 52$  days of  
flow @ 4,435,640 gal.





## 5.3 inch Rainfall Event

### Management:

- No-till Crop Rotation
- Cover Crops
- Planned Grazing Management

Infiltration Rate= 6 in/hr

143,906  
gallons of water/Ac  
Stored

### Management:

- Conventional Tillage
- Small Grains
- No Cover Crops
- No Grazing

Infiltration Rate= 0.6 in/hr

16,507  
gallons of water/Ac  
Stored





THE PROBLEM



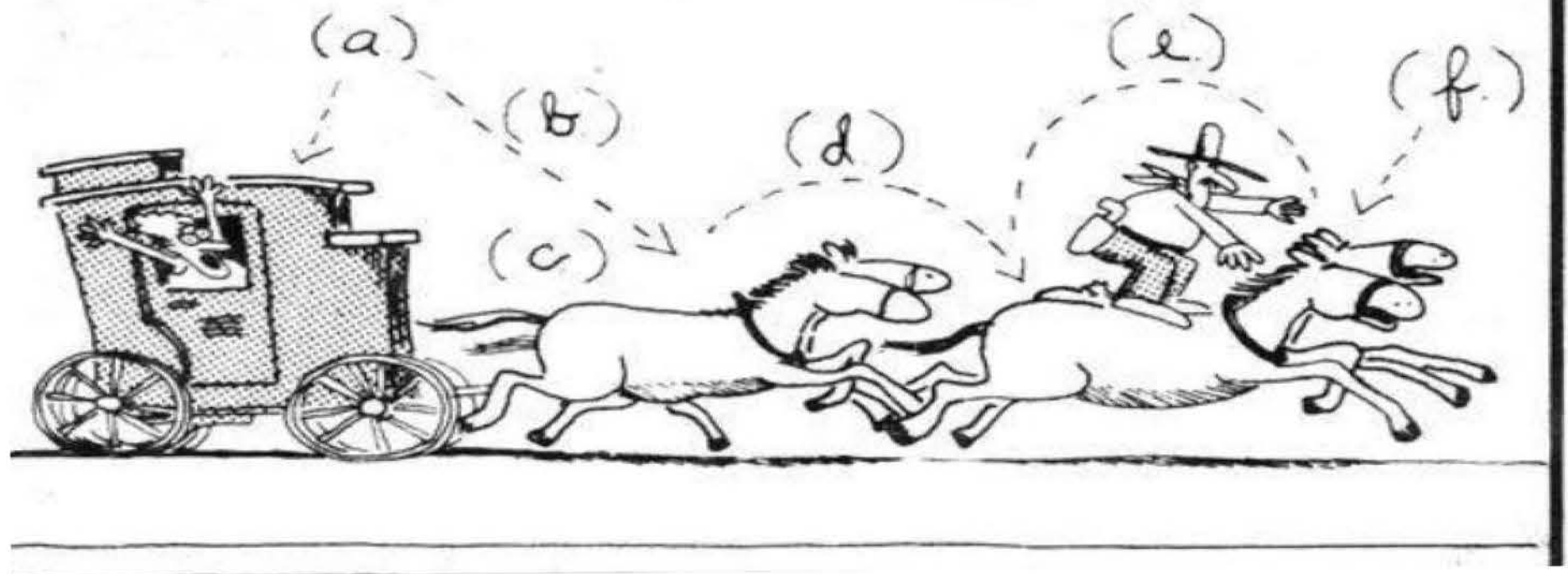
THE SOLUTION



# How to stop a Run away stage



Method # 1





Method # 2 (a)







*“Even if you  
are on the right track,  
you’ll get run over if  
you just sit there.”*

Will Rogers



“Long Live the  
Soil”

**EMMONS**





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