

Conservation Planning for Natural Disaster

Kimberli Stine
Northern Plains Grazing Lands
Coordinator
Lincoln, NE





Why do we plan ?

Assist clients to:

- Understand the ecological principles
- Management decisions influence ecological changes
- Responsibilities for protecting the environment
- Meeting resource and management objectives

Where do we plan ?

- Single operating unit
- Watersheds
- Area/region wide
- With federal lands (CRM)



So, is planning
different with natural
disasters ?

Prescribed Grazing Standard

- Goals and Objectives
- Resource Inventory
- Forage Inventory
- Forage-Animal Balance
- Grazing Plan
- **Contingency plan**
- Monitoring plan

Contingency Plan

- Wildfire
 - Flooding
 - Hurricanes
 - Drought

 - Other local issues
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- The background of the slide features several concentric, glowing blue circles of varying sizes, resembling ripples on water, positioned in the lower right quadrant.

Contingency Plan

- Risk assessment
 - Planning for resilience and resistant into the ecological systems of the operation

 - Where to go for information
 - Soil survey (NASIS)
 - Planning handbook
 - NRPH
 - PMC
 - Climate center
- 



Let's take a look at
some examples



Flooding





Flooding

- Frequency
- Species suitability
- Fencing
- Species influx











Wildfire

- Frequency
- Fuel reduction
- Planting
- Species suitability
- Fencing
- Species influx



Drought





Water Sources

Drought Example From Colorado:

Technical Note No. 1:

Prepare Your Farm or Ranch Before Drought Strikes

- Having a good drought plan in place can help your operation weather even the most severe drought conditions. Your plan should be part of a comprehensive conservation plan that considers the kinds and conditions of all of your resources, and consider how crops, forage, and other resources have reacted to drought in the past.
- Precipitation is the largest single determinant of drought.
- Temperature and other climate elements are also important. It is not uncommon for drought periods to be accompanied by higher summer temperatures.
- Drought planning involves preparing for not only average conditions, but also extremes.

Plant Materials





**Species
Suitability**

Species Adaptability





Seed Source

Let's Recap



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Questions ?