

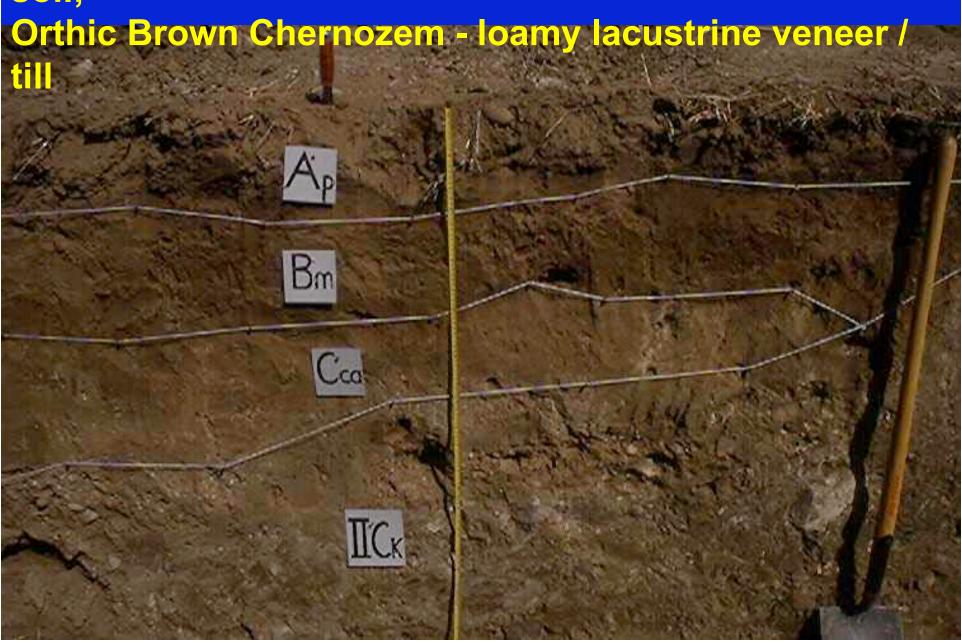
Dry Mixedgrass

Native Prairie
Baseline
Inventory and
Ecodistrict
Names and
Boundaries

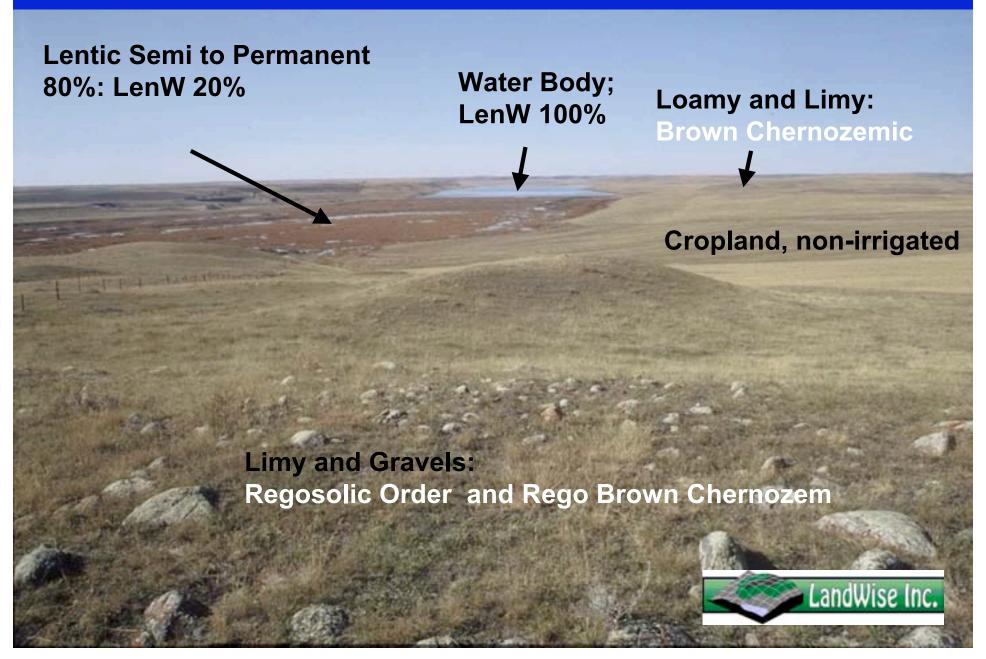
Loamy (Lo) Range Site in the Dry Mixedgrass

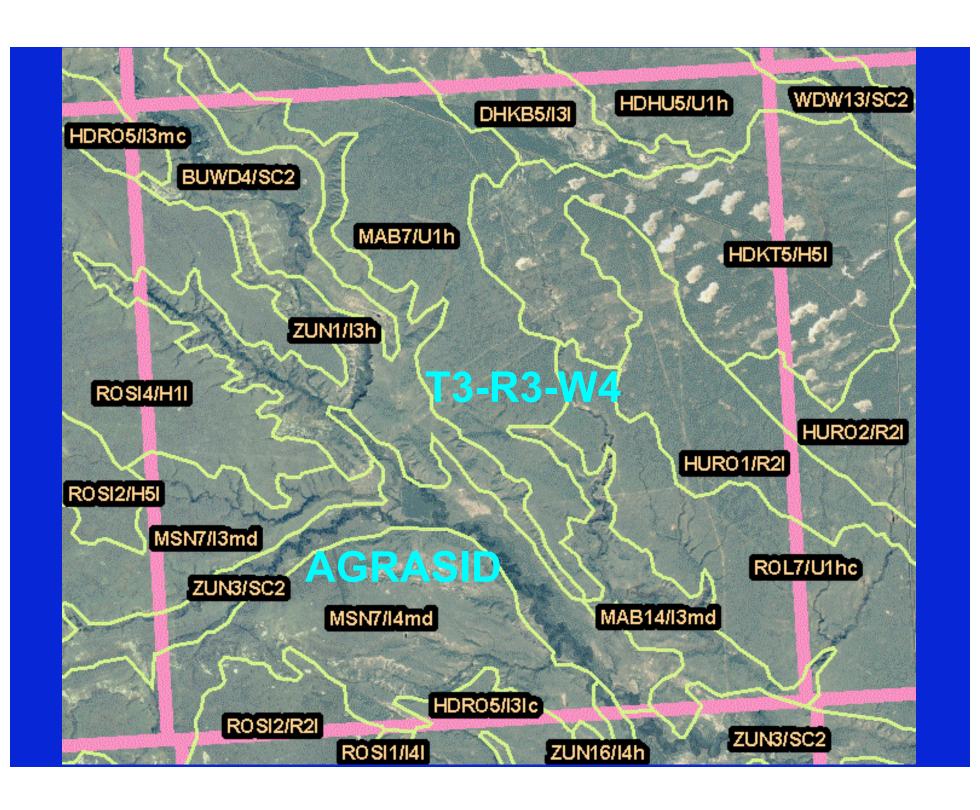


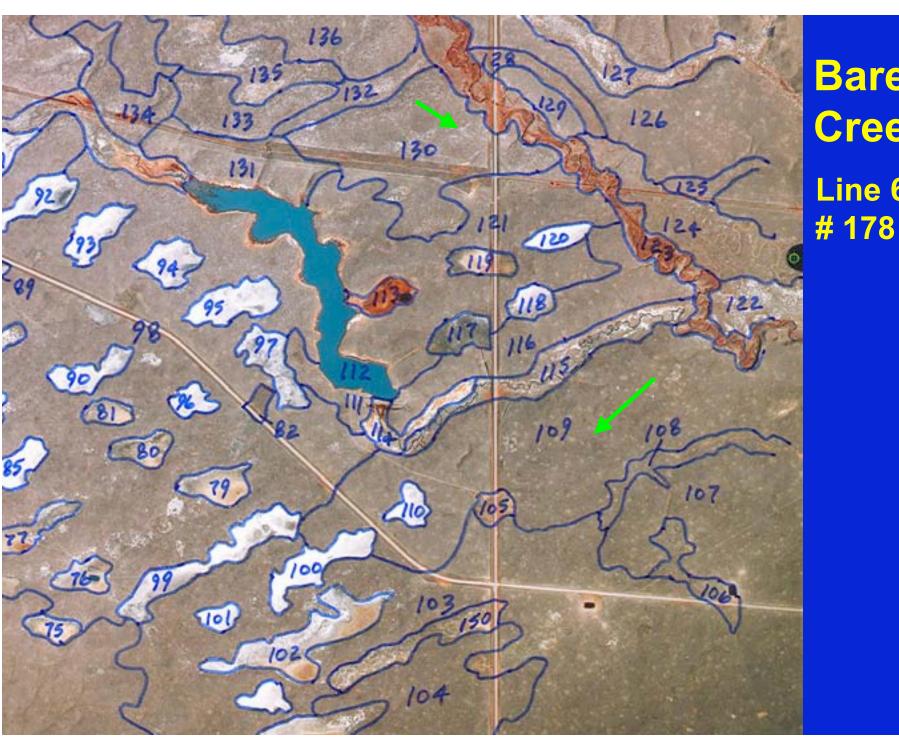
Dry Mixedgrass. Cultivated Non-Irrigated (CI); CFD soil;



Dry Mixedgrass, Etzikom Coulee







Bare Creek Line 6

Dry Mixedgrass: Sage Creek Floodplain west of Hwy. 41

Overflow 40%, Loamy 30%, Blowouts 20%, Lotic Shrub 10%. Up to 40% silver sagebrush cover.

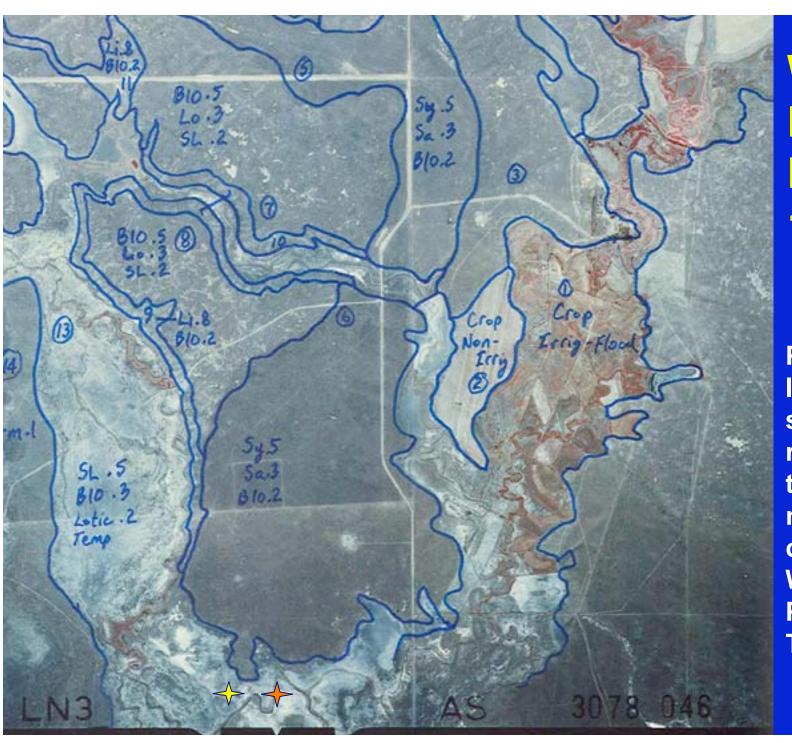




Overflow with Silver sagebrush at approximately 30% cover on levee (above active floodplain) of Canal Creek.

Dry Mixedgrass; Classic Overflow example following a Storm Event





Wildhorse Pilot 1984

Point
locations for
slides
representing
the
northeast
corner of the
Wildhorse
Pilot
Township.



Overflow and Saline Lowland Range Sites after a runoff event; Dry Mixedgrass

Sodic and Saline Orthic Regosol Moderately fine textured valley fill sediments





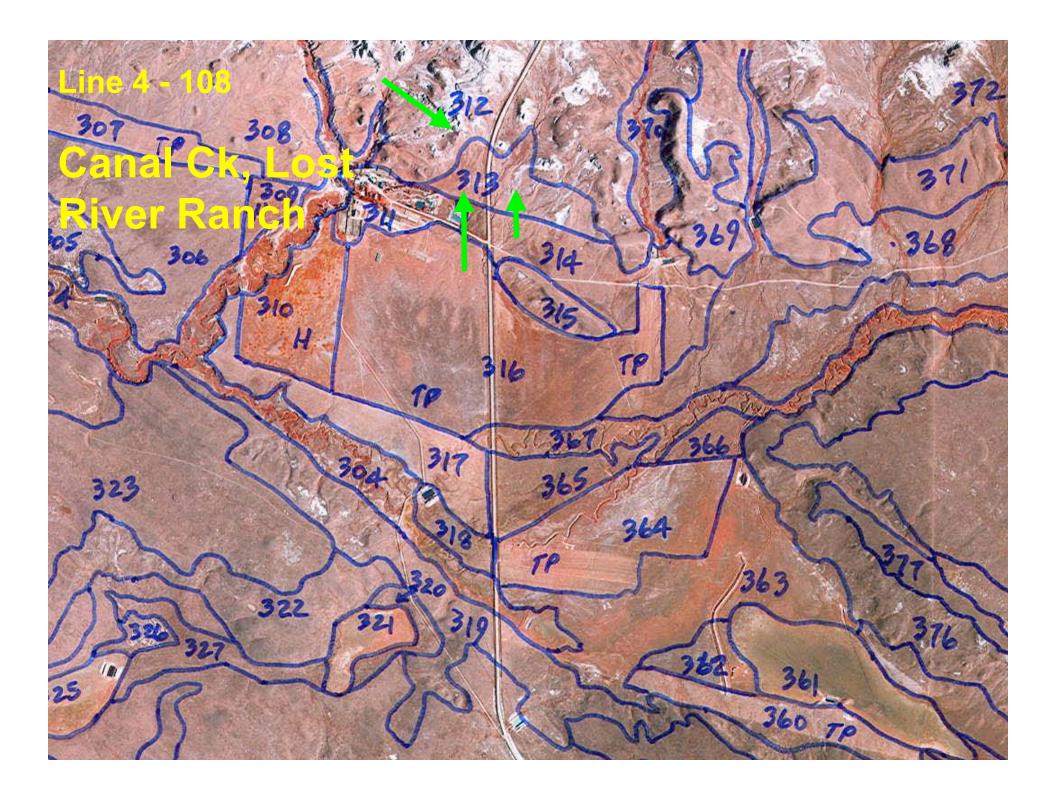
40 to 70% bare ground in foreground. Drying and curling sodium-enriched muds are derived from overflow waters.

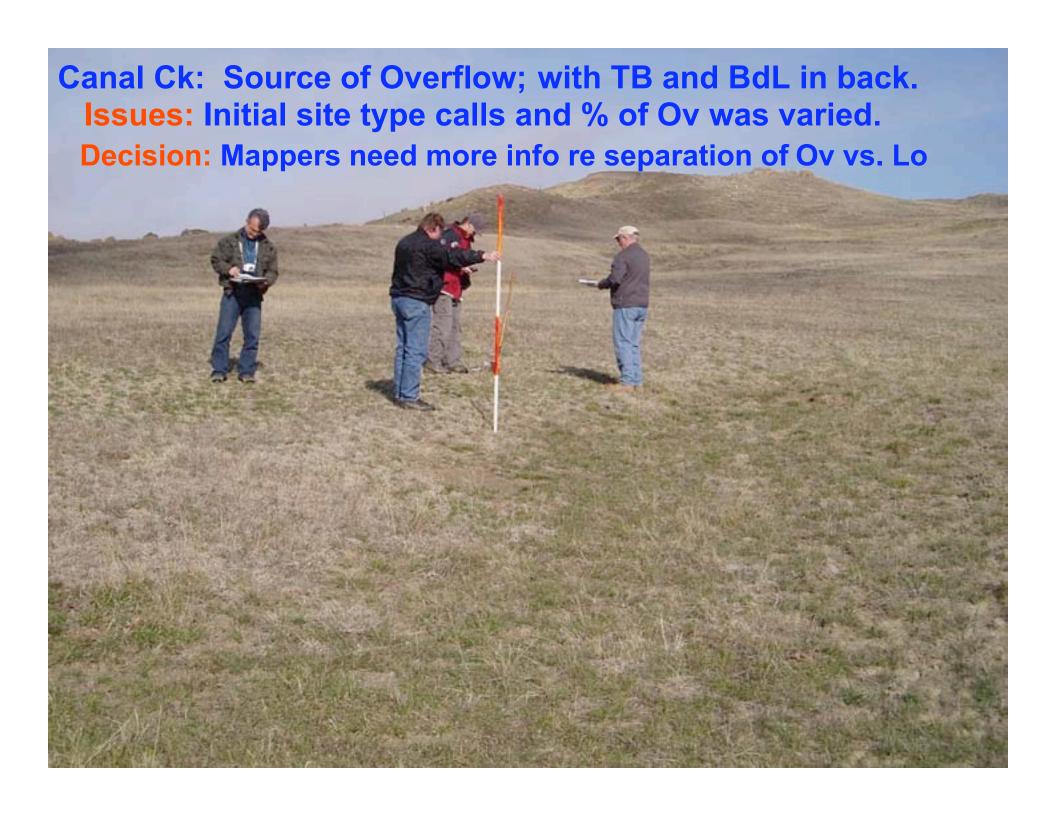


Low gradient overflow channel of Sage Creek.

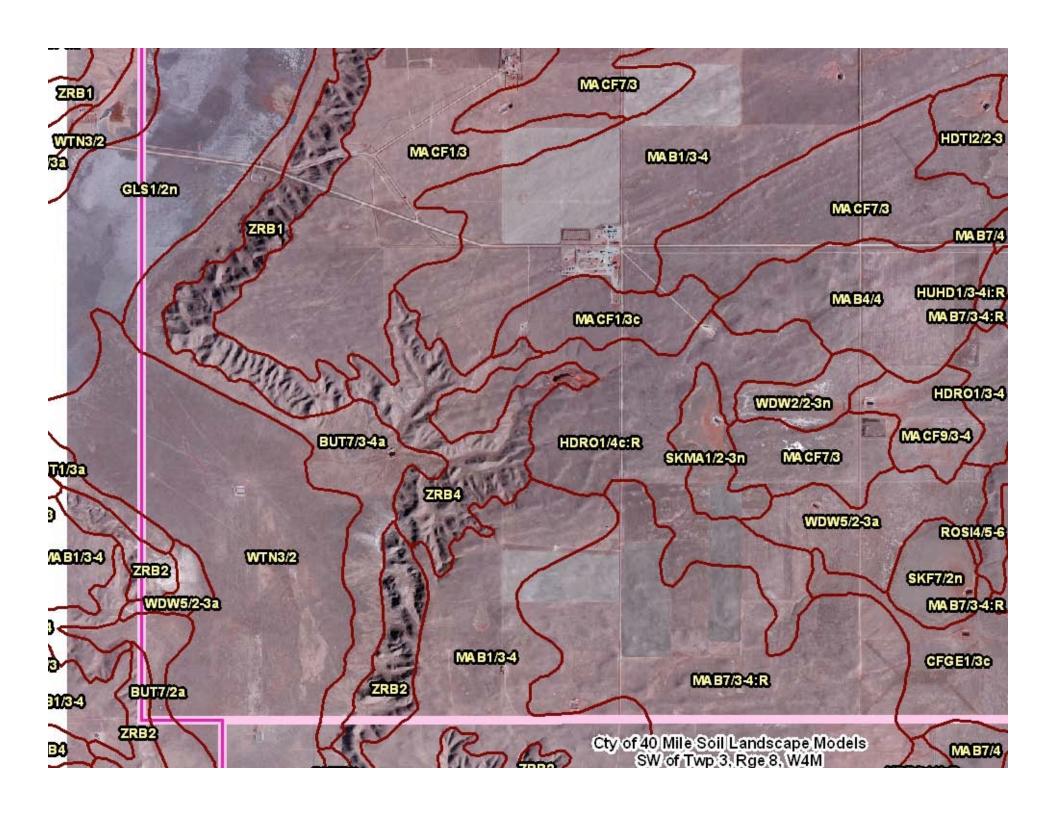
Shallow evaporative pond of channel at right. Channel boundary is visible in left and middleground. Channel ranges from 5 to 35 m wide (avg. 10 m) and 10 to 35 cm deep (avg. 20 cm).















Sporadic 10-cm high silver sagebrush. Looking upslope (1 to 1.5%). Site is an overflow (Ov) fan with secondary limy (Li) and blowout (BIO) site types.



- •Channel with terraces and fan deposits, characterized by Overflow 50%, Loamy 30%, Lotic Shrub 20%; latter with silver sagebrush and snowberry.
- •Upland areas (background) are a complex of Loamy (Lo) and Thin Breaks (TB).

Channel ranges from 6 to 15 m wide. Silver sagebrush mainly occupies overflow terraces 0.5 to 1 m above channel and cover ranges from 5-20%.



Dry Mixedgrass, Ketchum Creek Near Manyberries

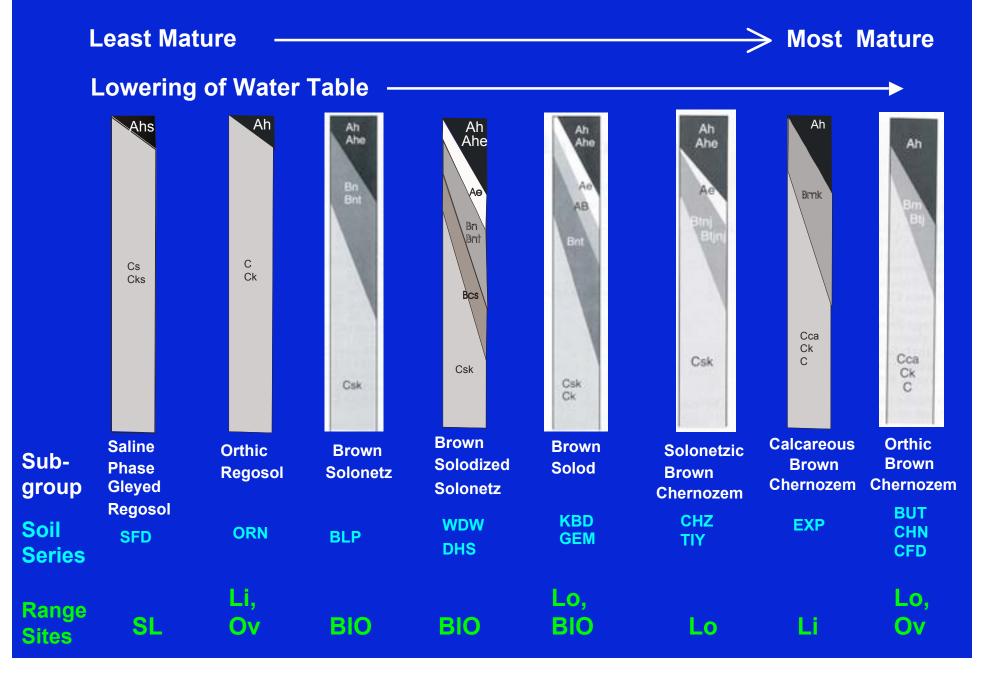
Moderate overflow frequency in area of bare ground, with Blowouts 40%, Overflow 30%, Saline lowland 20%, Lotic shrub 10%.

Channel (left foreground) is downcut to 3 m (avg. depth 1.5 m) and width ranges from 3 to 12 m (avg. 6 m).

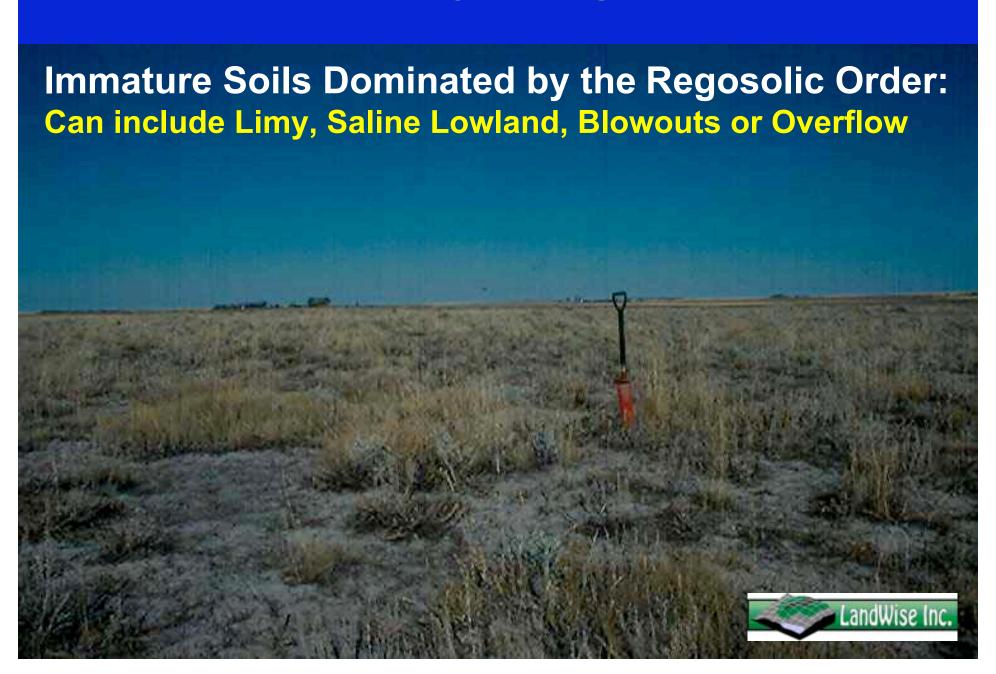
Lotic shrub has patchy Silver Sagebrush up to 1.5 m height.



Dry Mixedgrass Valley or Basin Soil Series

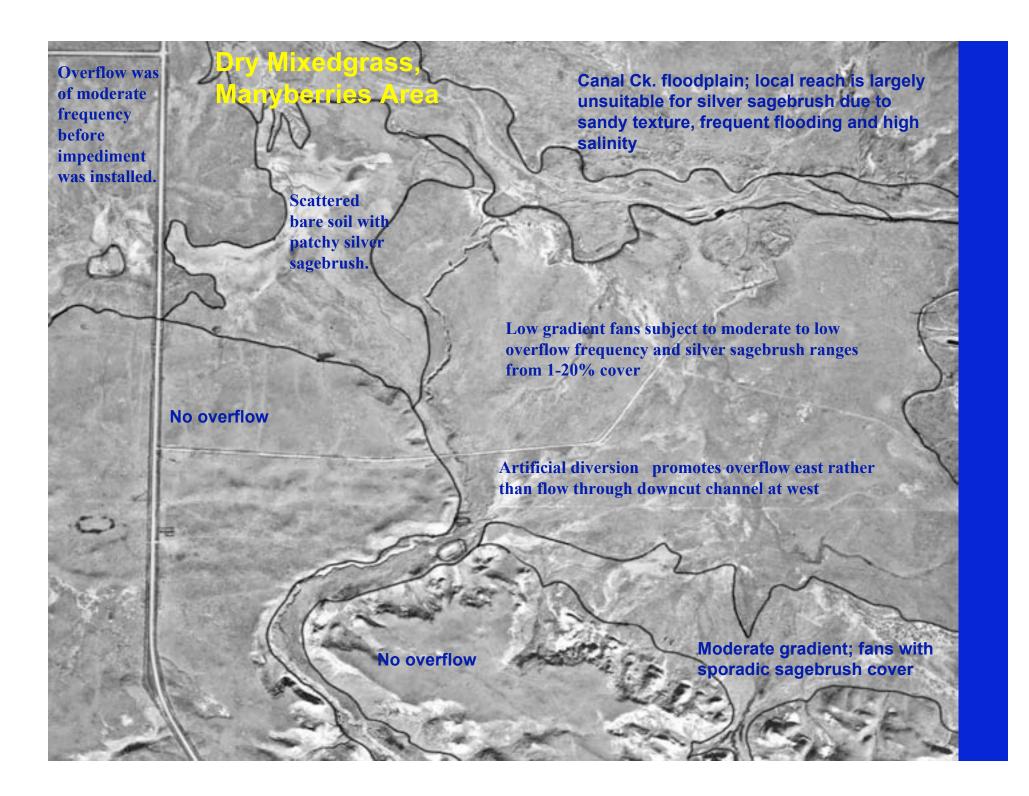


Basin in the Dry Mixedgrass



Bain area N of 501. Overflow with 30 cm Silver Sagebrush of 30% cover and with 15% bare soil. Possible Sage Grouse wintering area.





Dry Mixedgrass - Manyberries Area

Site Type Associations: Blowouts 60%, Loamy 40% with both greasewood and silver sagebrush; and Lotic Herbaceous



Canal Creek Overflow with dense litter of Agropyron. CIR olive signature can suggest dense short shrub cover.







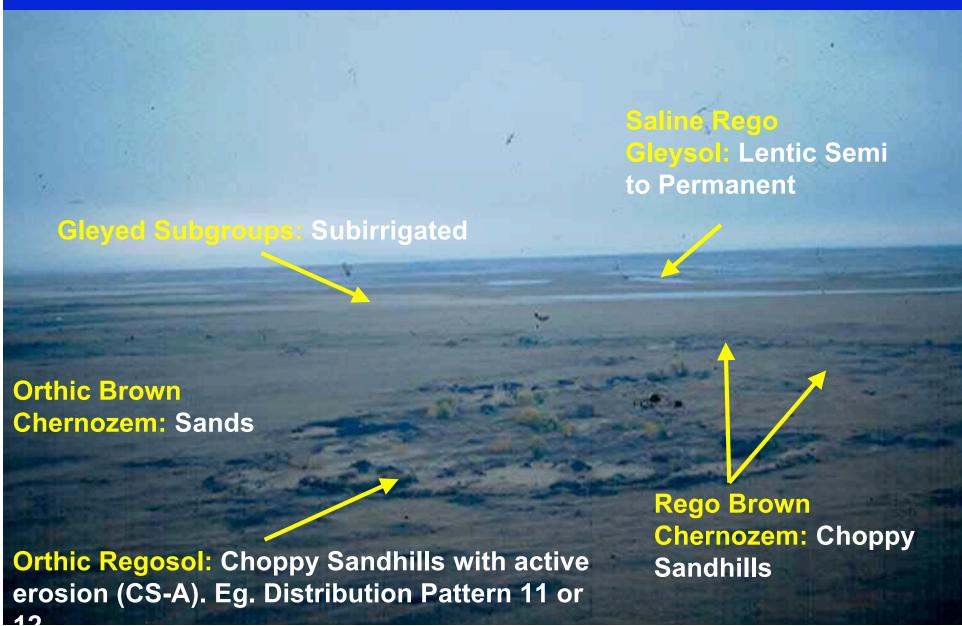




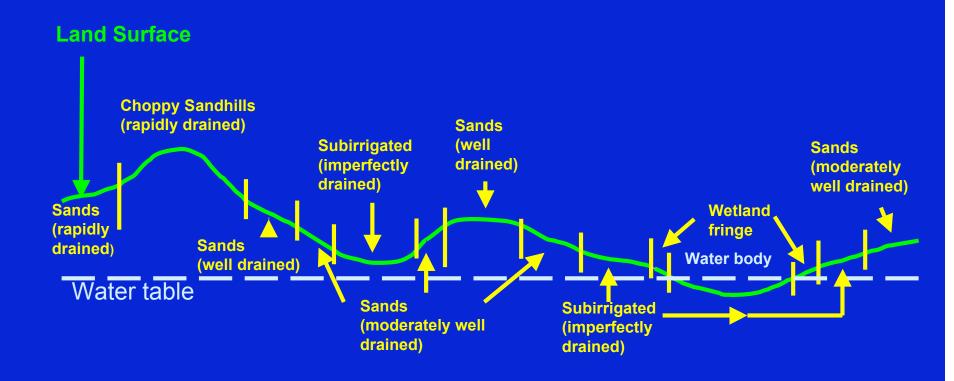


Dry Mixedgrass Sand Plain:

Typical Soil Subgroup - Range Site Association



Typical Association of Soil Drainage and Ecological Range Sites in an Area with Sand Dunes and a High Water Table.





Dry Mixedgrass Sand Plain: Typical Range-Site or Site-Type Pattern

Sandy Cropland, Non-irrigated Sands **Subirrigated** Sands **Choppy Sandhills with** active erosion (CS-A). Eg. Distribution Pattern 7, 8 or 9. Choppy Sandhills with active erosion (CS-A). Eg. Distribution Pattern 11 or 12.

Choppy Sandhills in the Dry Mixedgrass



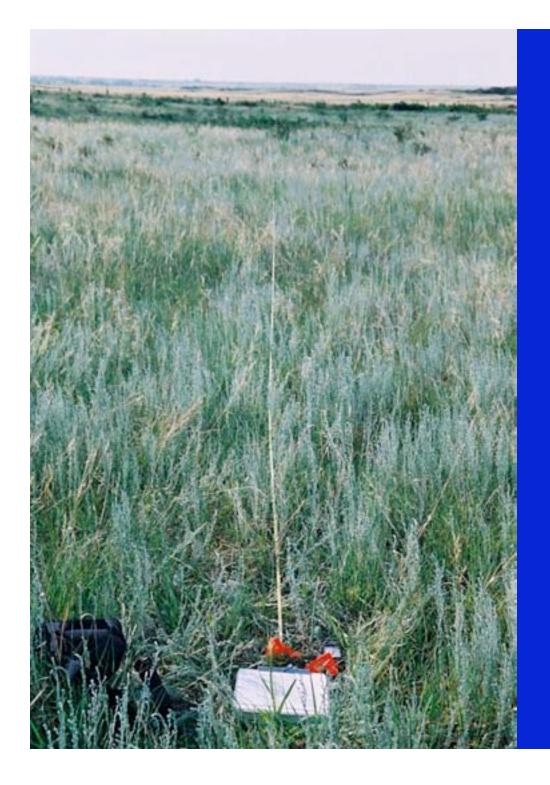


Choppy Sandhills (CS) in the Dry Mixedgrass; Dunes with immature and rapidly drained soils.

Plant Community DMGC5 – Wild rose / Needle and Thread – Sandgrass – Low Sedge.

20% less production than the typical range site for the area (Sands).

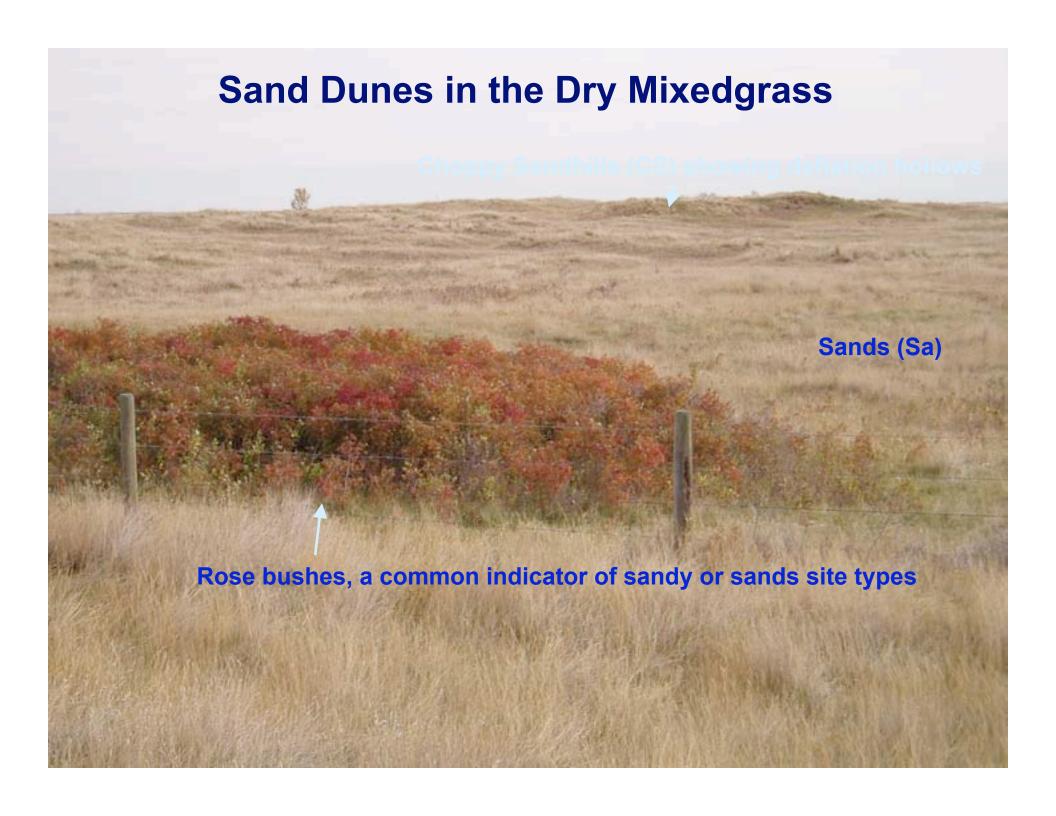




Dry Mixedgrass; Sands to Choppy Sandhills

10% less production than the typical range site for the area (Sands).

Building a drift layer at the soil surface and unit has numerous increaser plants including Pasture Sage.

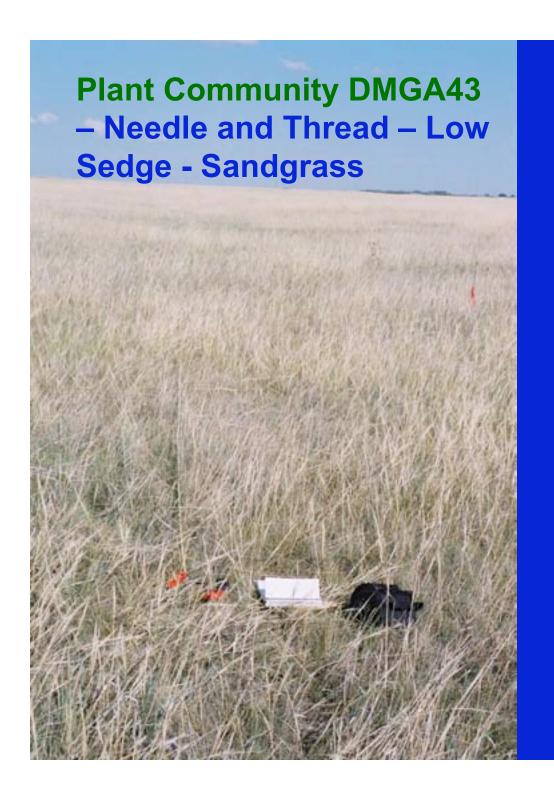






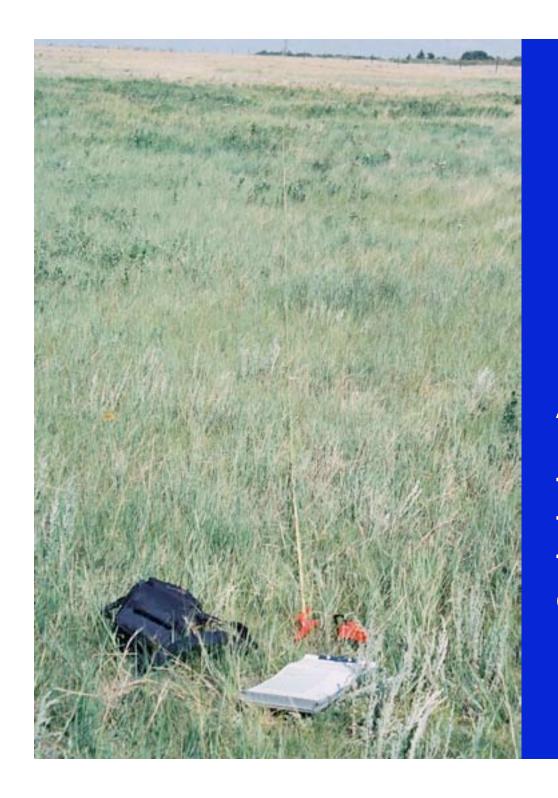
- Roses indicate sandy textures
- •Use soil surveys or AGRASID to separate loamy sand (Sand Sa range sites) from sandy loam (Sandy Sy range sites)





Sands Range Site in the Dry Mixedgrass; rapidly drained.

A typical plant community of the Sands site type.



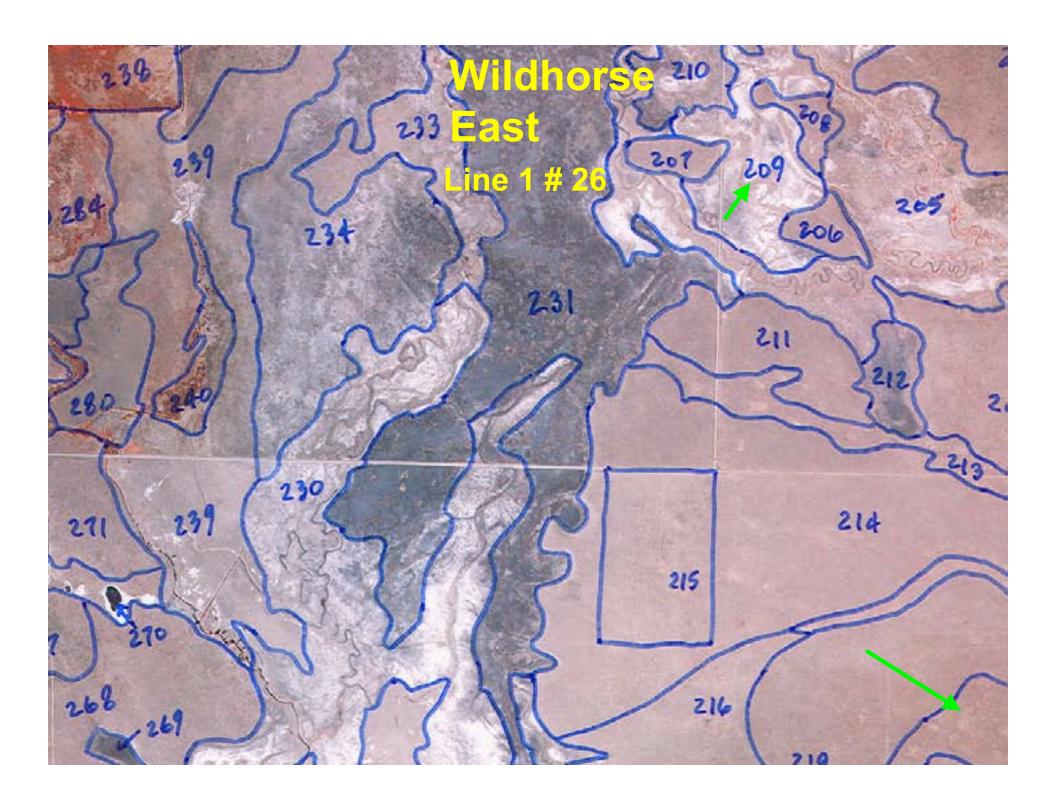
Dry Mixedgrass
Sands: Trending to a
low prairie plant
community

Moderately well drained in swale setting.

About 10% more production than the typical range site for the area (Sands), due to the internal soil drainage class.

Dry Mixedgrass-Sandy. Moderately well drained (foreground).

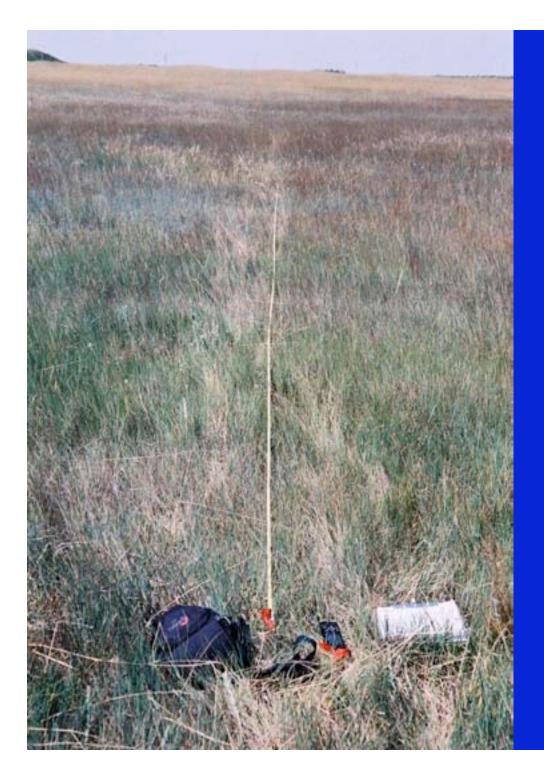




East of Wildhorse: Sands & patchy Calamovilfa longifolia







Dry Mixedgrass; Sandy

Moderately well drained with significant Saline Lowland range sites.

10% less production than the typical range site for the area (Sands), due to the presence of some salophytes.



Dry Mixedgrass; Sandy, Blowouts, Saline Lowland

Plant Community
DMGA15: Western
Wheatgrass - Sedges Needle and Thread

10% less production than the typical range site for the area (Sands), due to the presence of sodium and salts.



Dry Mixedgrass; Subirrigated

Plant Community: Sedges – Kentucky Bluegrass – Sandgrass.

Imperfectly drained; distinct mottles and lime at 45 cms.

30% more production than the typical range site for the area (Sands), due to the high water table.



Dry Mixedgrass; Subirrigated

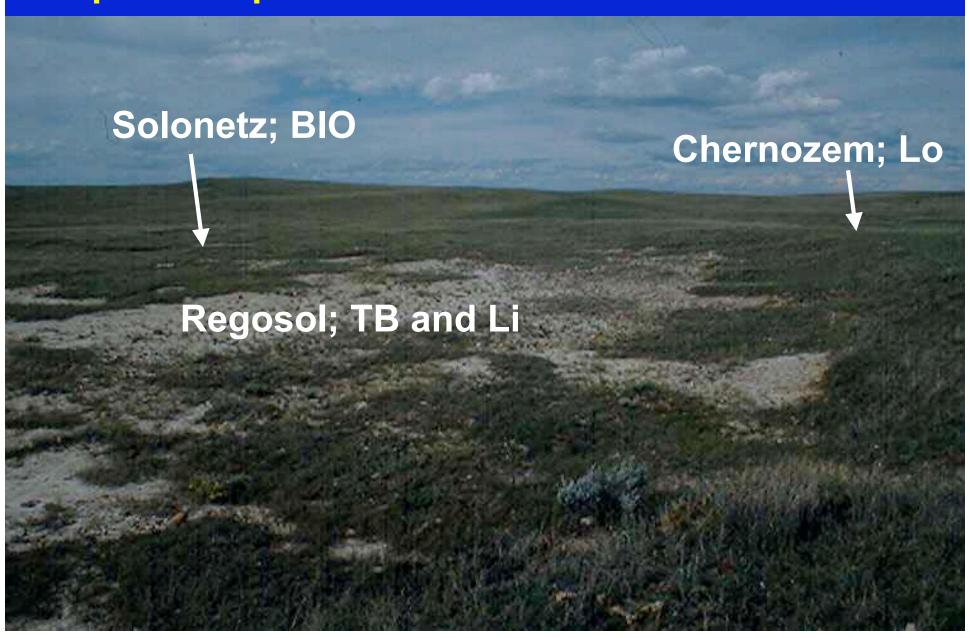
Plant Community: Sedges – Kentucky Bluegrass – Wild Licorice

Imperfectly drained.

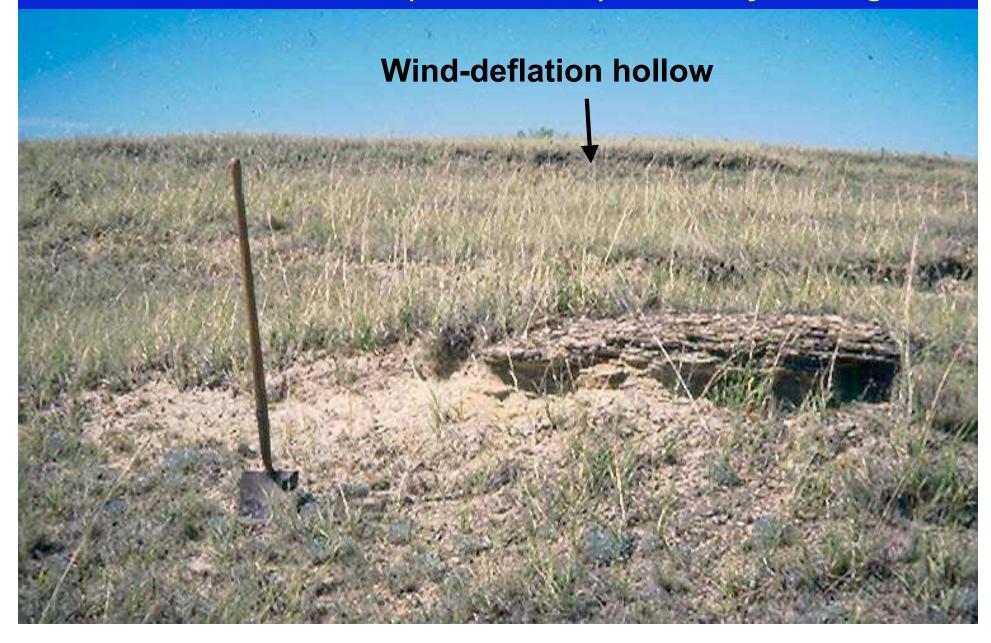
Distinct mottles at 40 cm

30% more production than the typical range site for the area (Sands), due to the high water table.

Dry Mixedgrass: Bedrock-Controlled Landscape with complex soil patterns

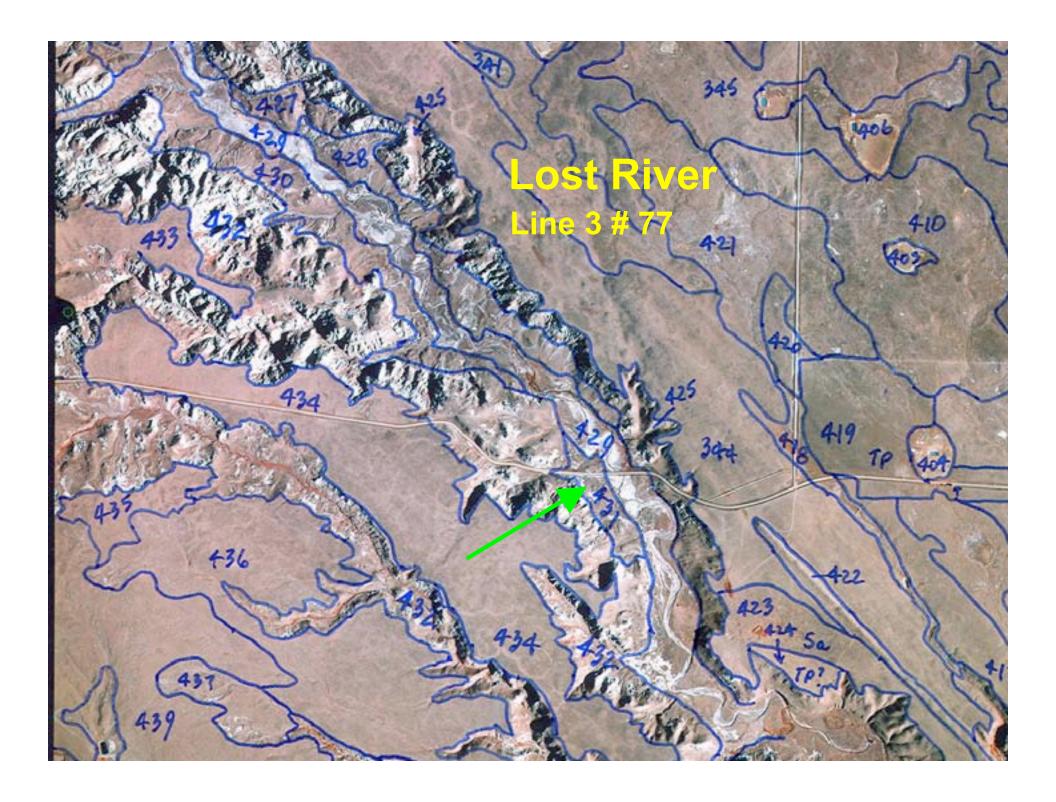


Orthic and Rego Brown Chernozem developed on weathered sandstone (Thin Breaks) in the Dry Mixedgrass



Thin Breaks (TB) in the Dry Mixedgrass Thin Breaks (TB), with <10% bedrock exposure Siltstone and sandstone exposure



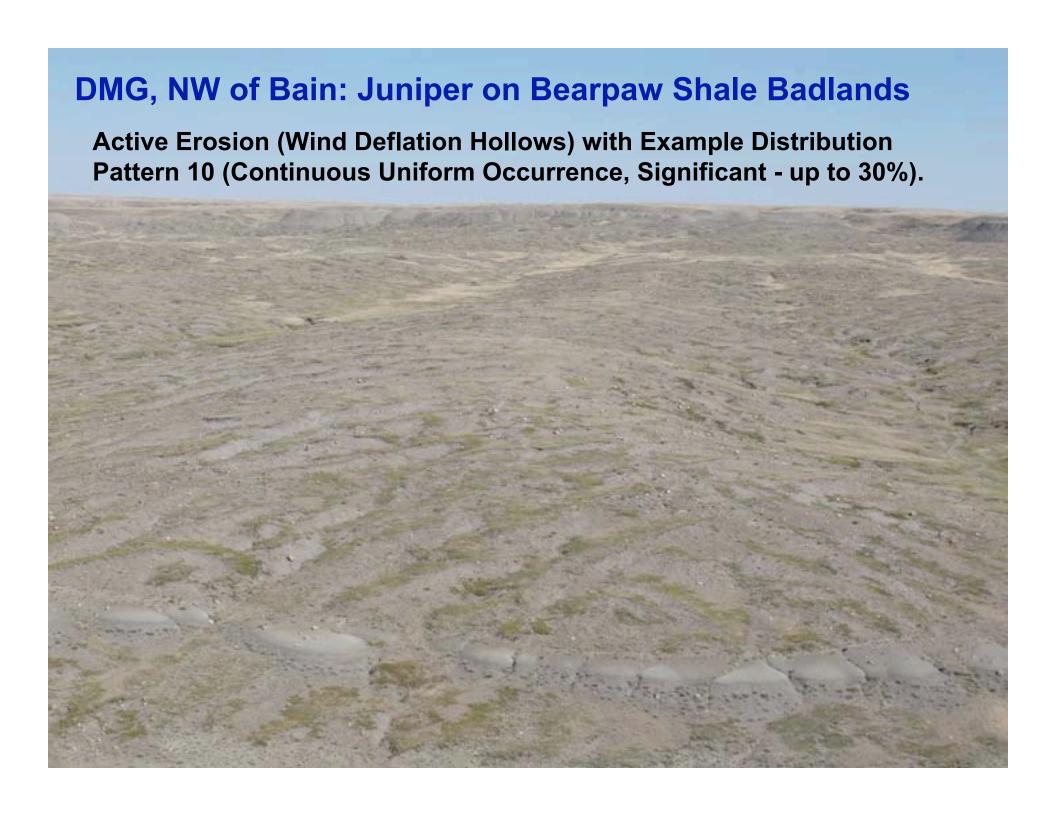




Badlands (BdL) 100% in the foreground; Bearpaw Shale Bedrock in the Dry Mixedgrass



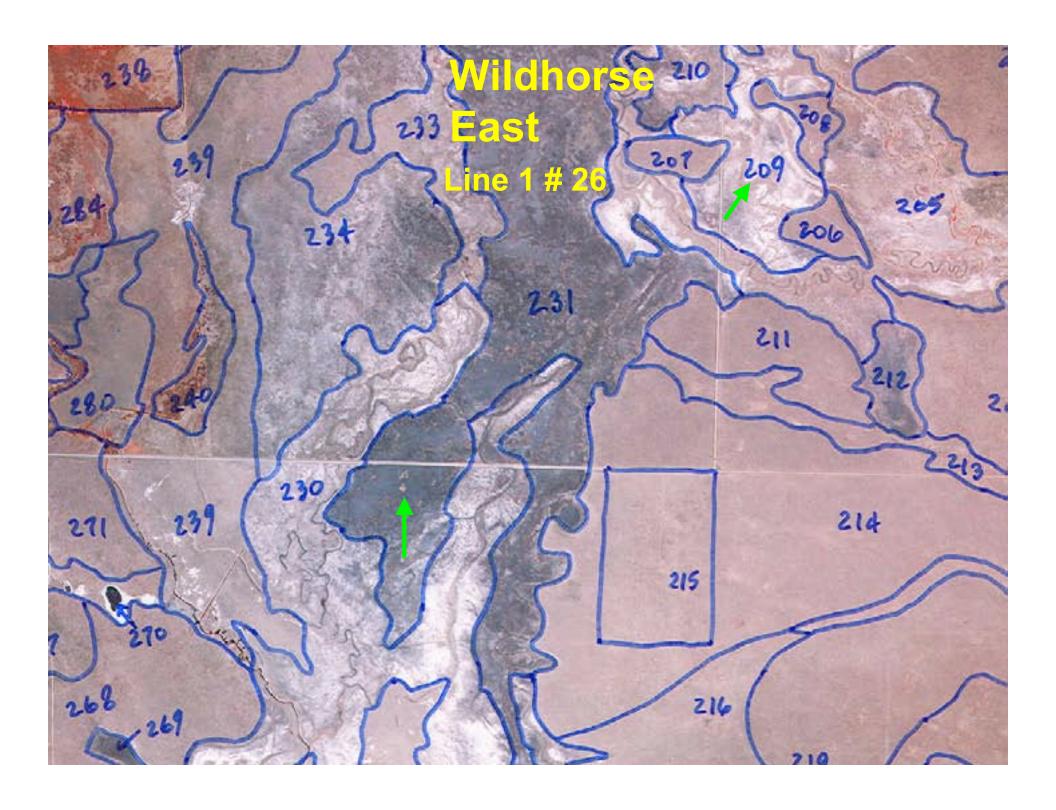
DMG: Sandstone Bedrock and Hoodoos Van Cleeve Coulee





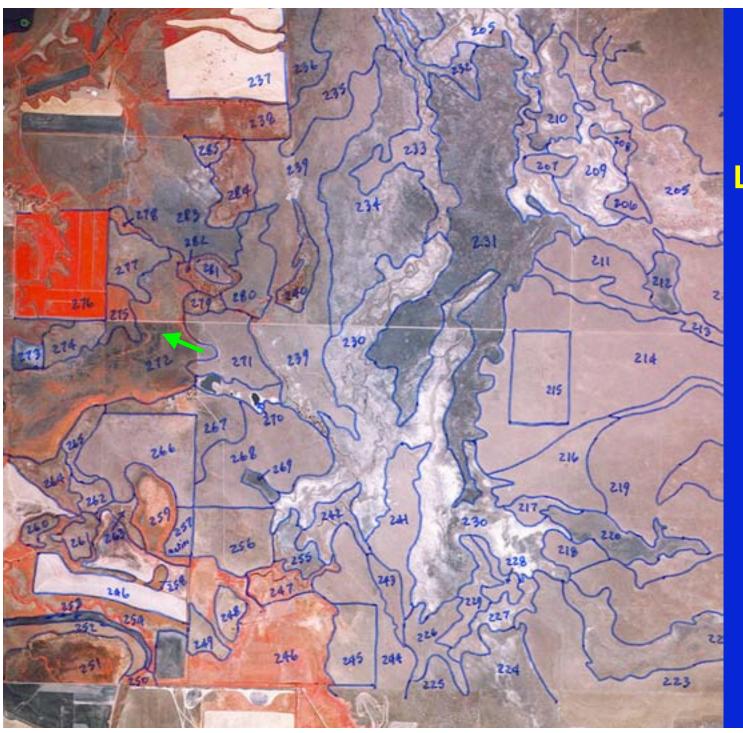






East of Wildhorse: Saline Lowland, Overflow and Blowouts.

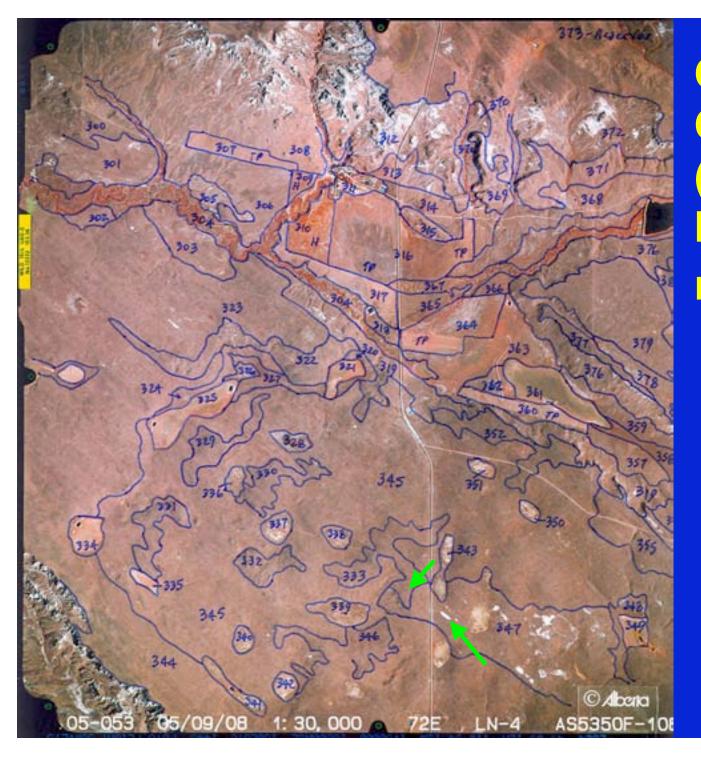




Wildhorse East

Line 1 # 26

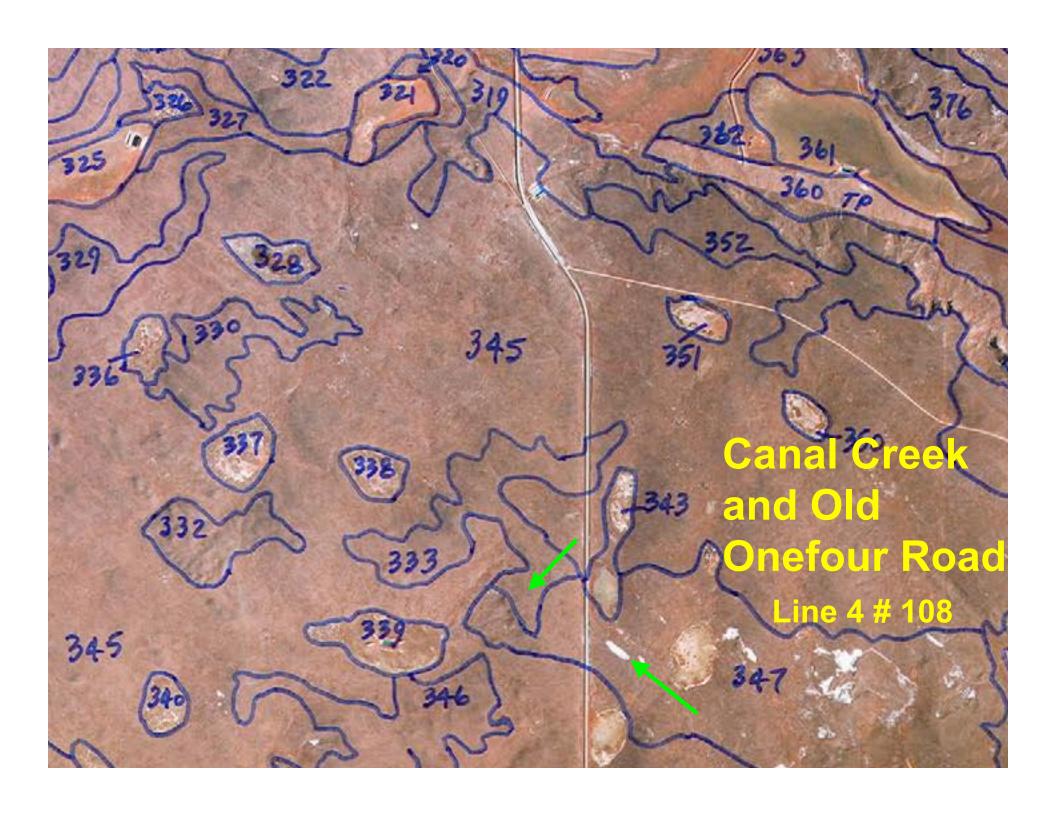


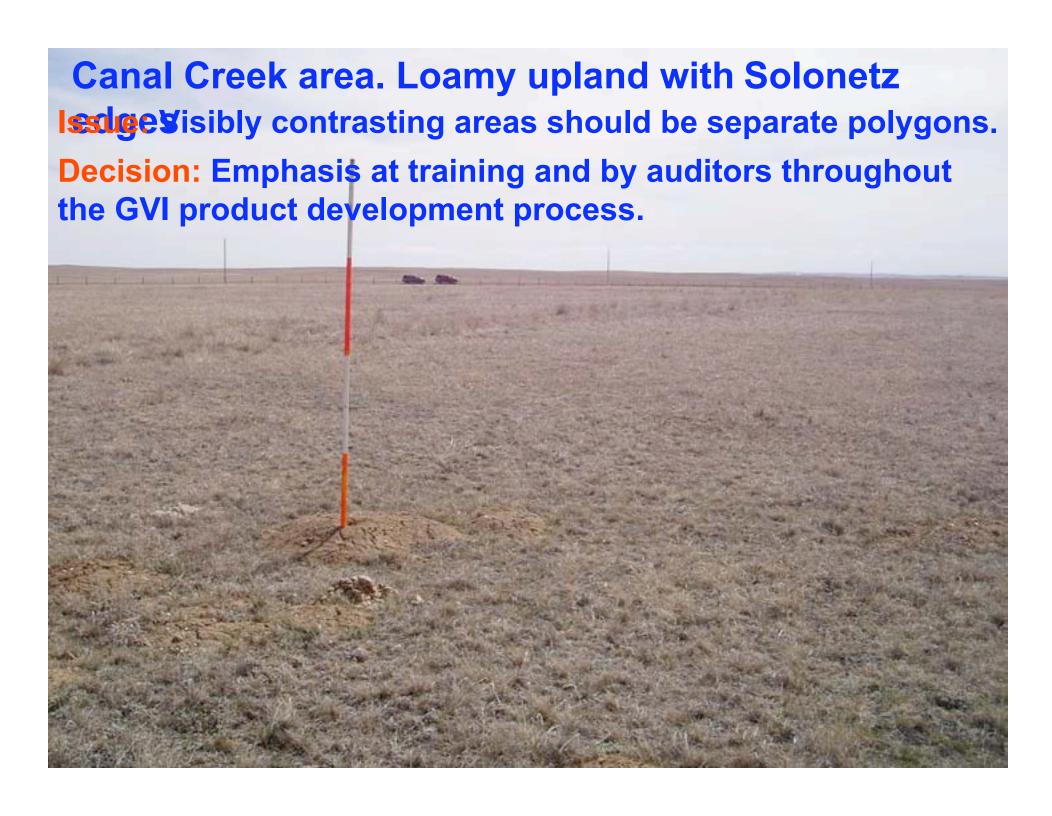


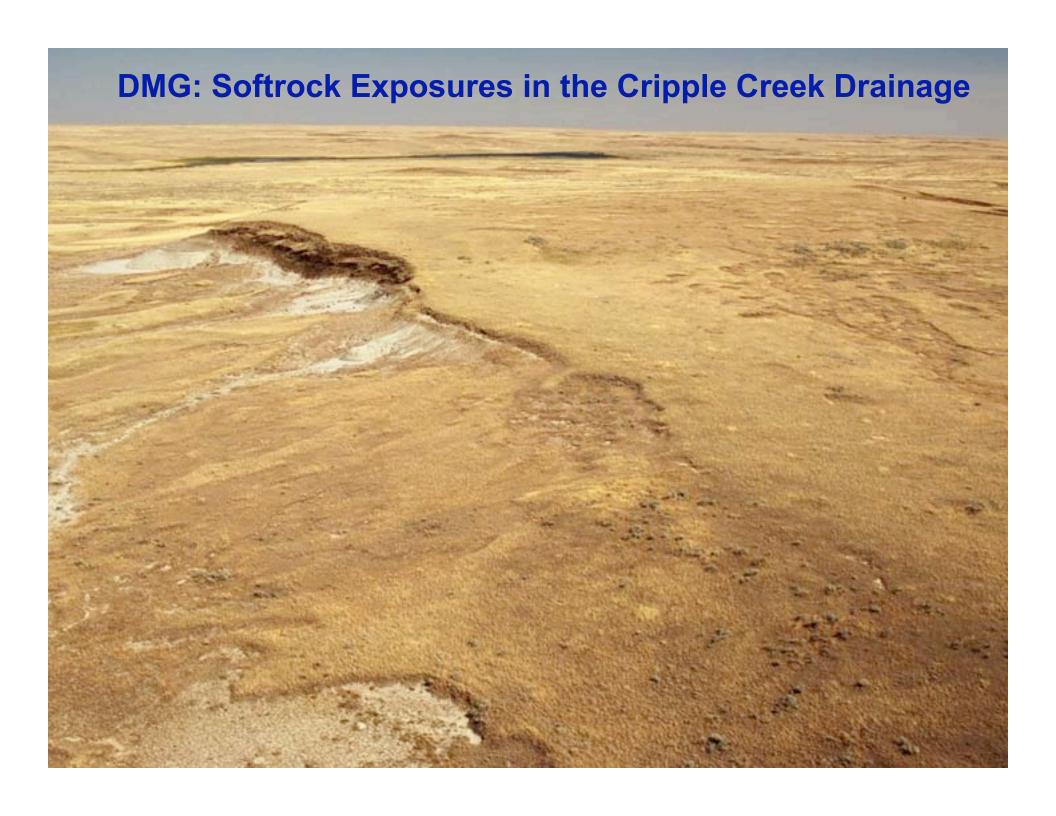
Canal Creek Central (Lost River Ranch)

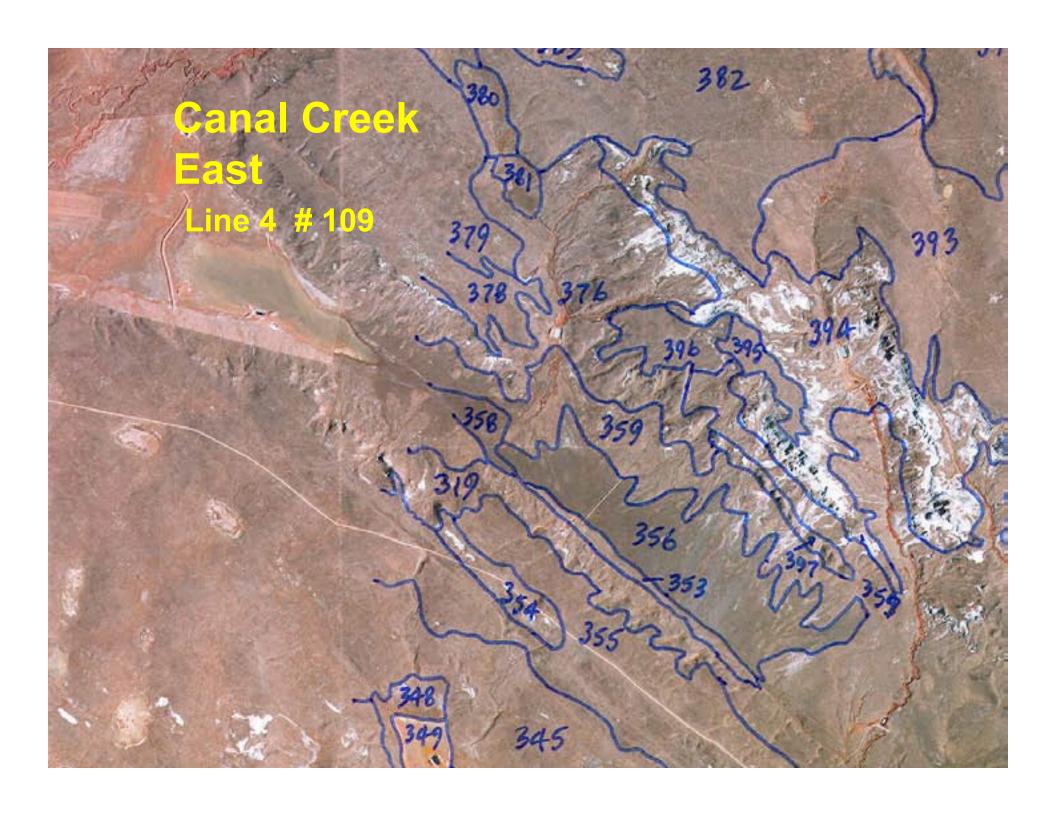
Line 4 # 108

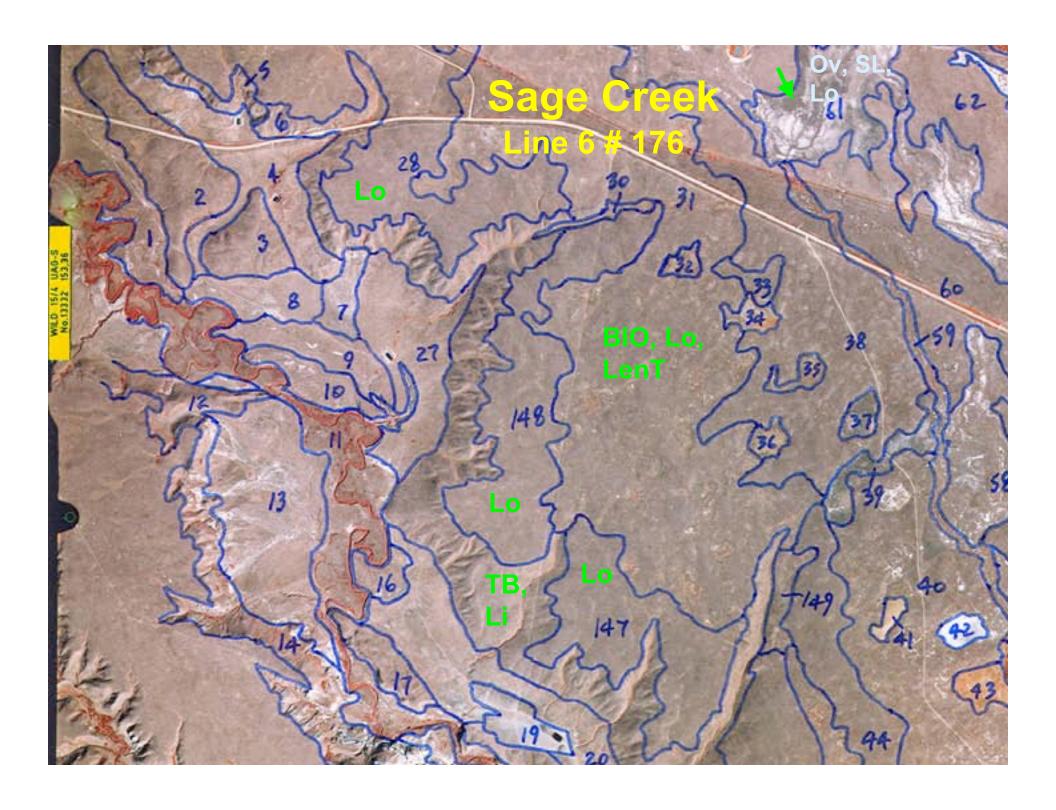


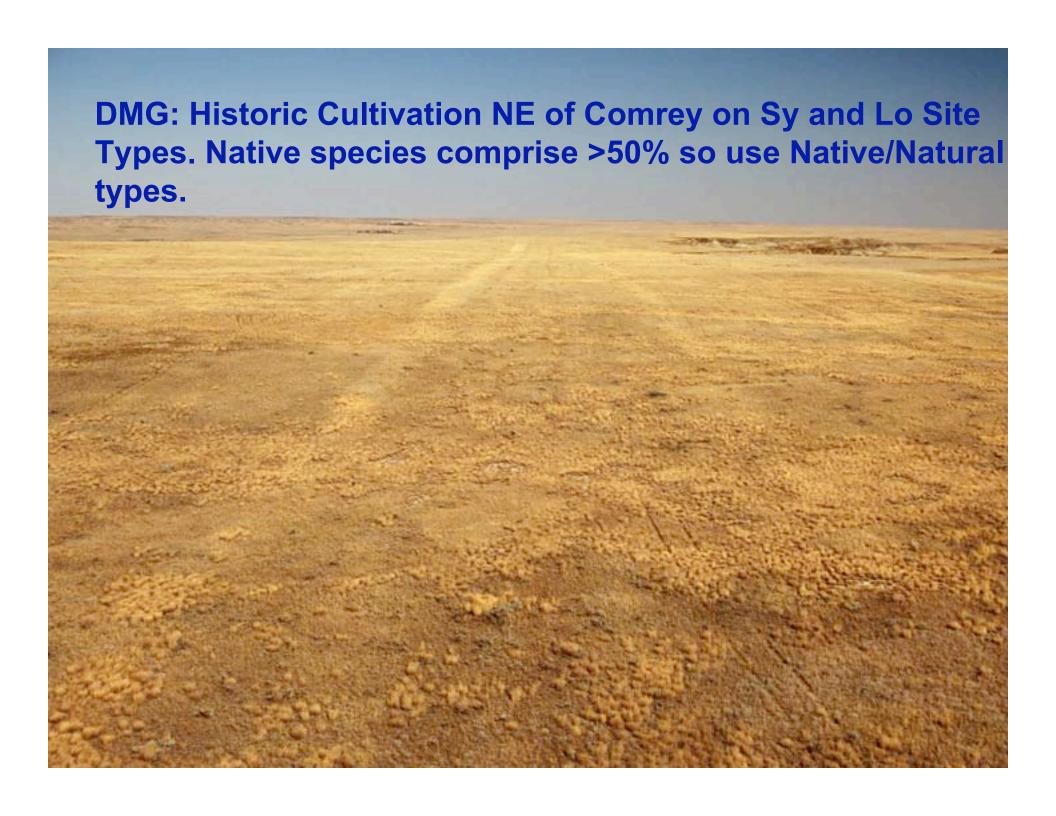








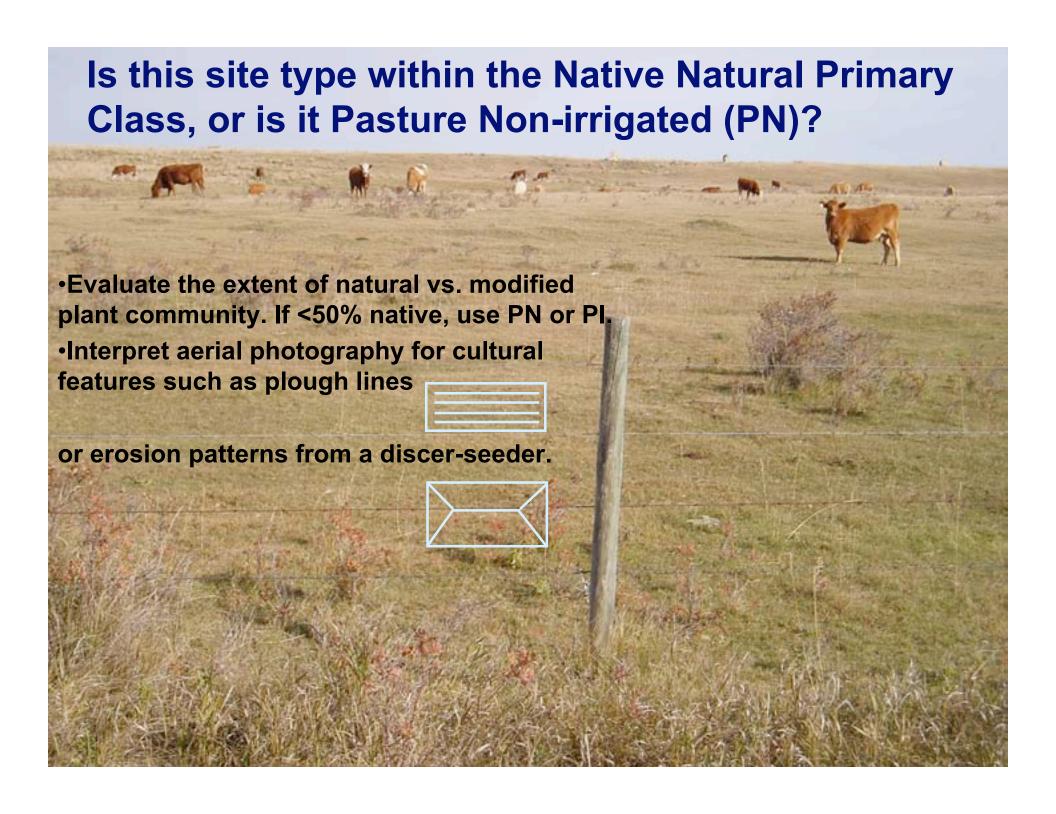




DMG: Contrast Between Native and Introduced Pasture

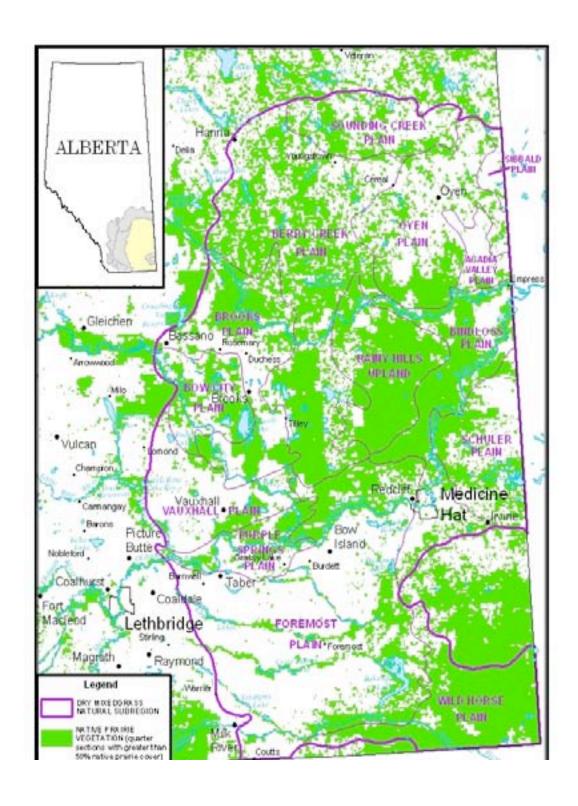






DMG: Newly Broken Prairie Near Sedalia





Dry Mixedgrass

Native Prairie
Baseline
Inventory and
Ecodistrict
Names and
Boundaries