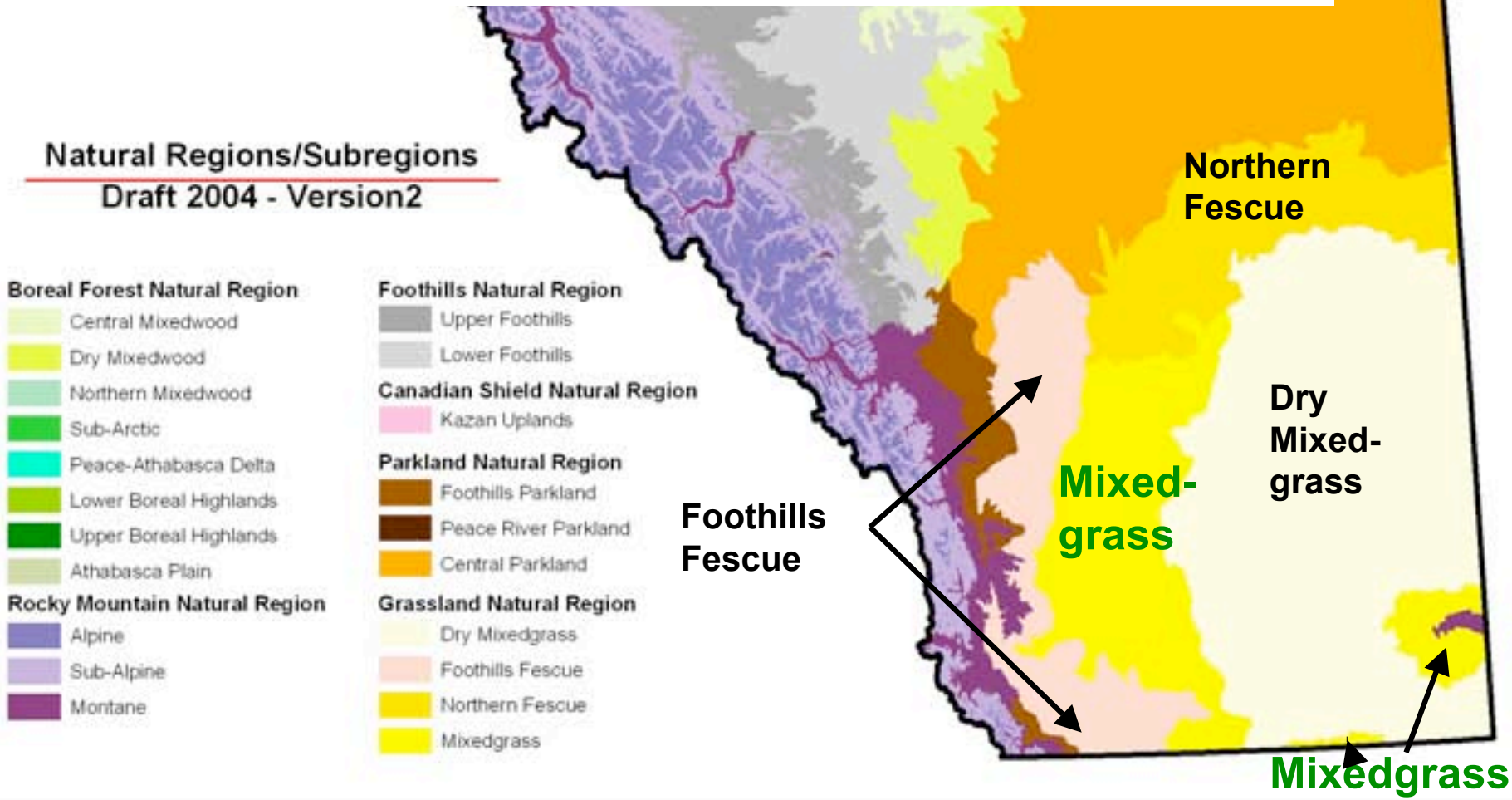
Grassland Vegetation Inventory, Site Type Examples for the Foothills Fescue Natural Subregion. Prepared by LandWise Inc., December 2006.

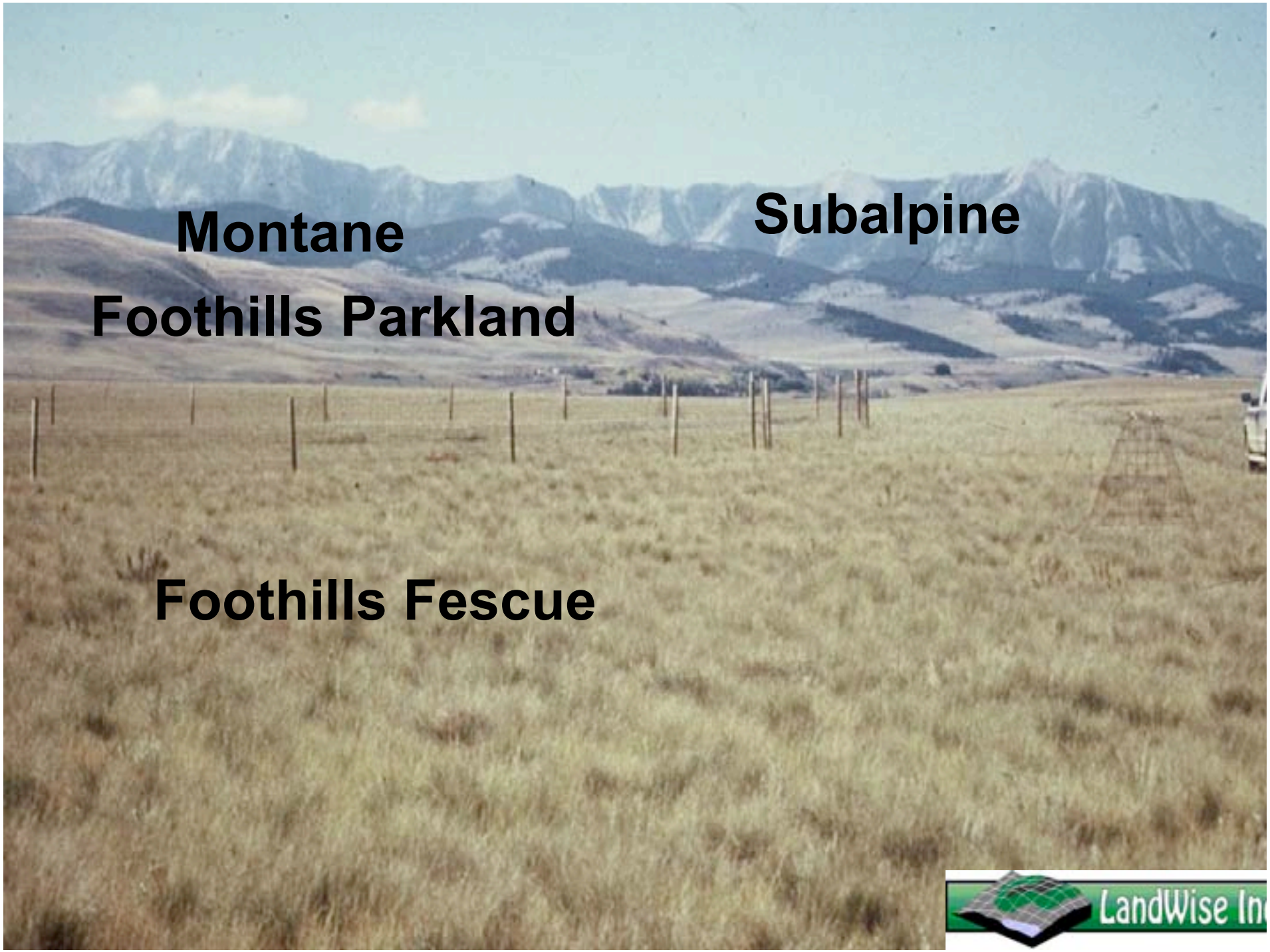


Rough Fescue

Rough fescue (*Festuca campestris)* is the dominant grass in the Foothills Fescue Natural Subregion.

Other FF Grasses:

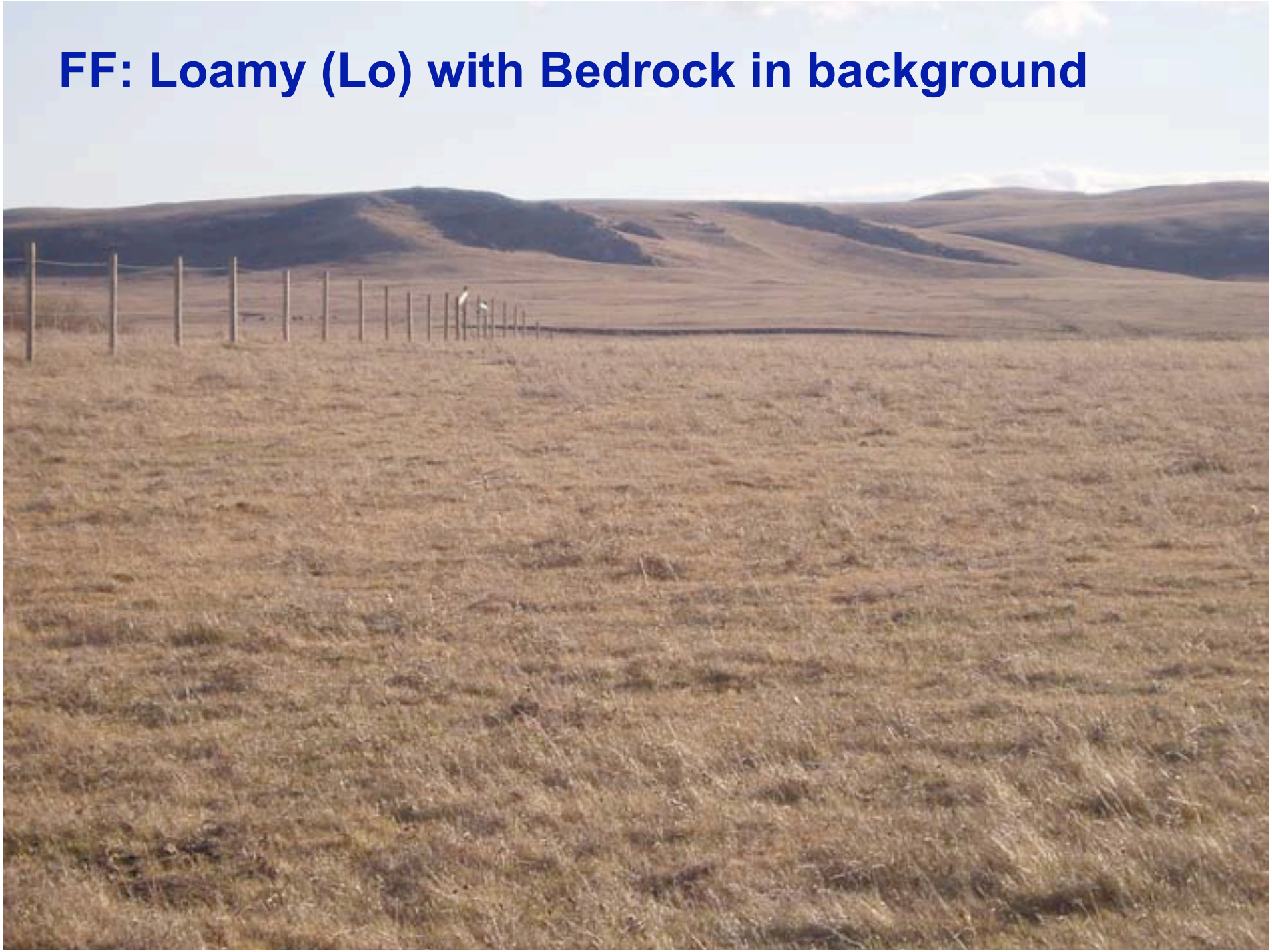
- Parry's oatgrass (*Danthonia parryi*)
- Bluebunch fescue (*F. idahoensis)*
- Wheat grasses *(Agropyron spp)*
- Junegrass *(Koeleria macrantha)*


Montane
Subalpine
Foothills Parkland
Foothills Fescue
LandWise In

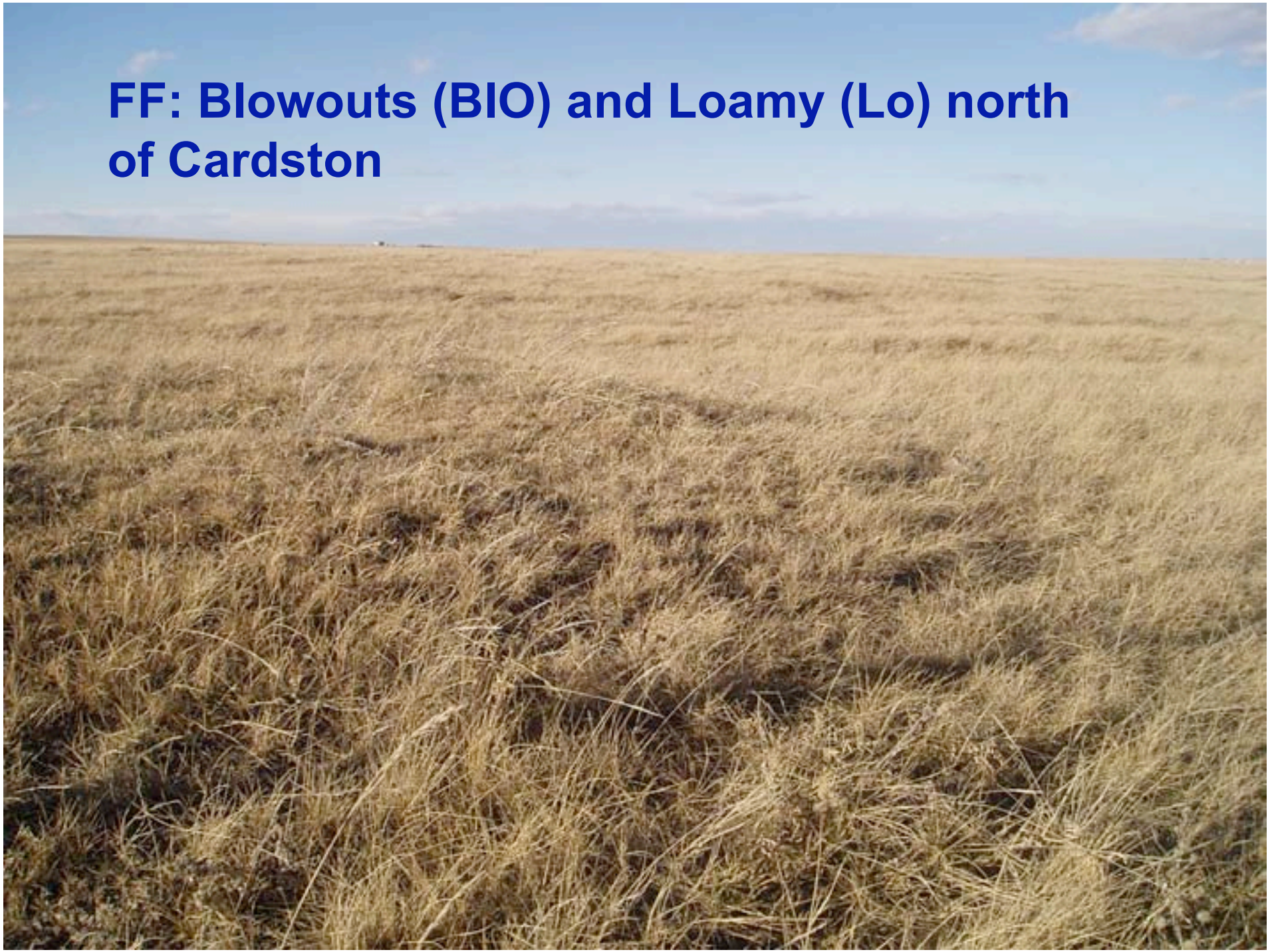
FF: Orthic Black Chernozem; Typical Loamy (Lo) Soil Profile

FFN: Loamy (Lo) with scattered Rose Shrub Patches

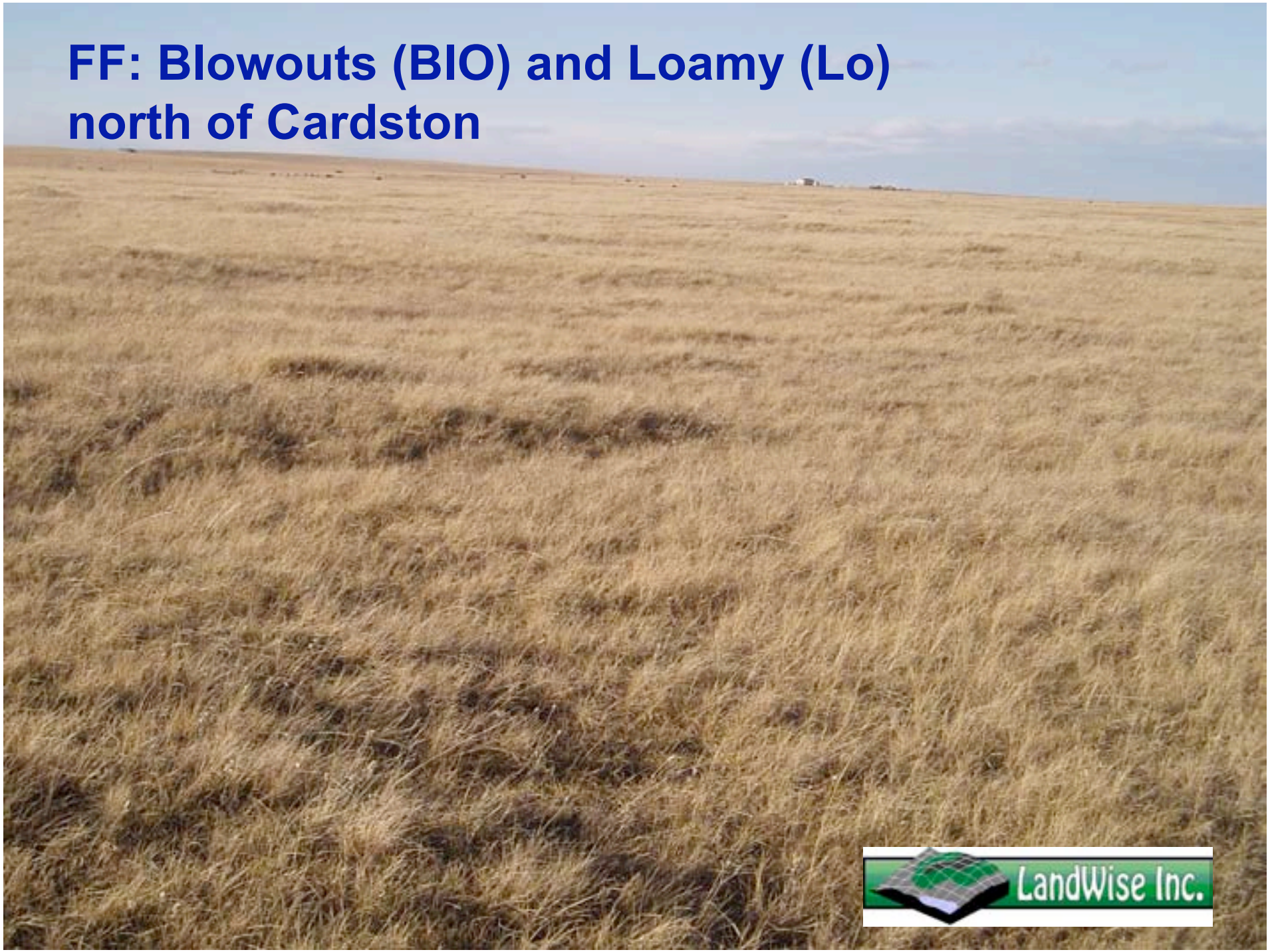
FF: Loamy (Lo) with Bedrock in background



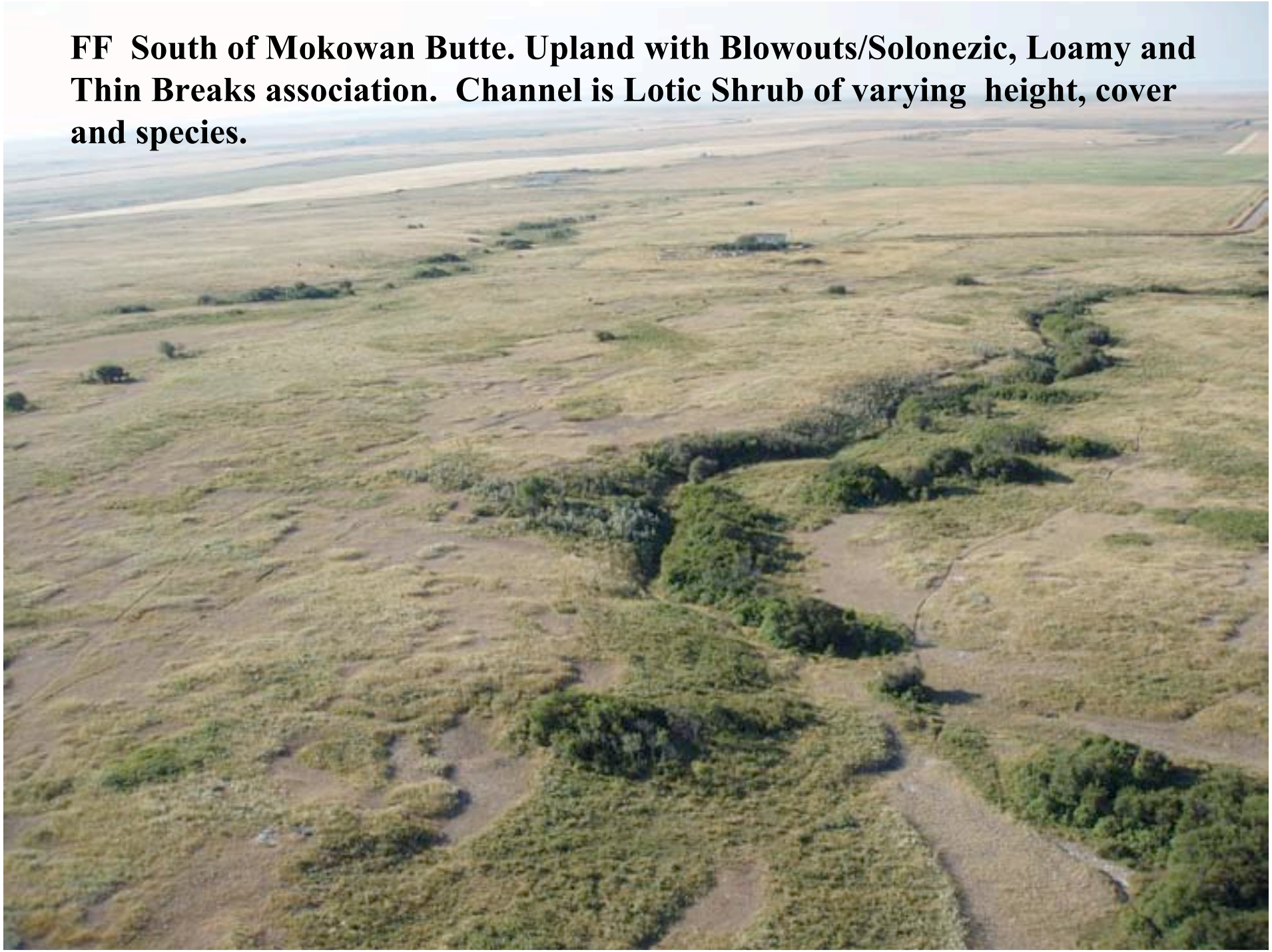
FF: Blowouts (BlO) and Loamy (Lo) north of Cardston



FF: Blowouts (BIO) and Loamy (Lo) north of Cardston



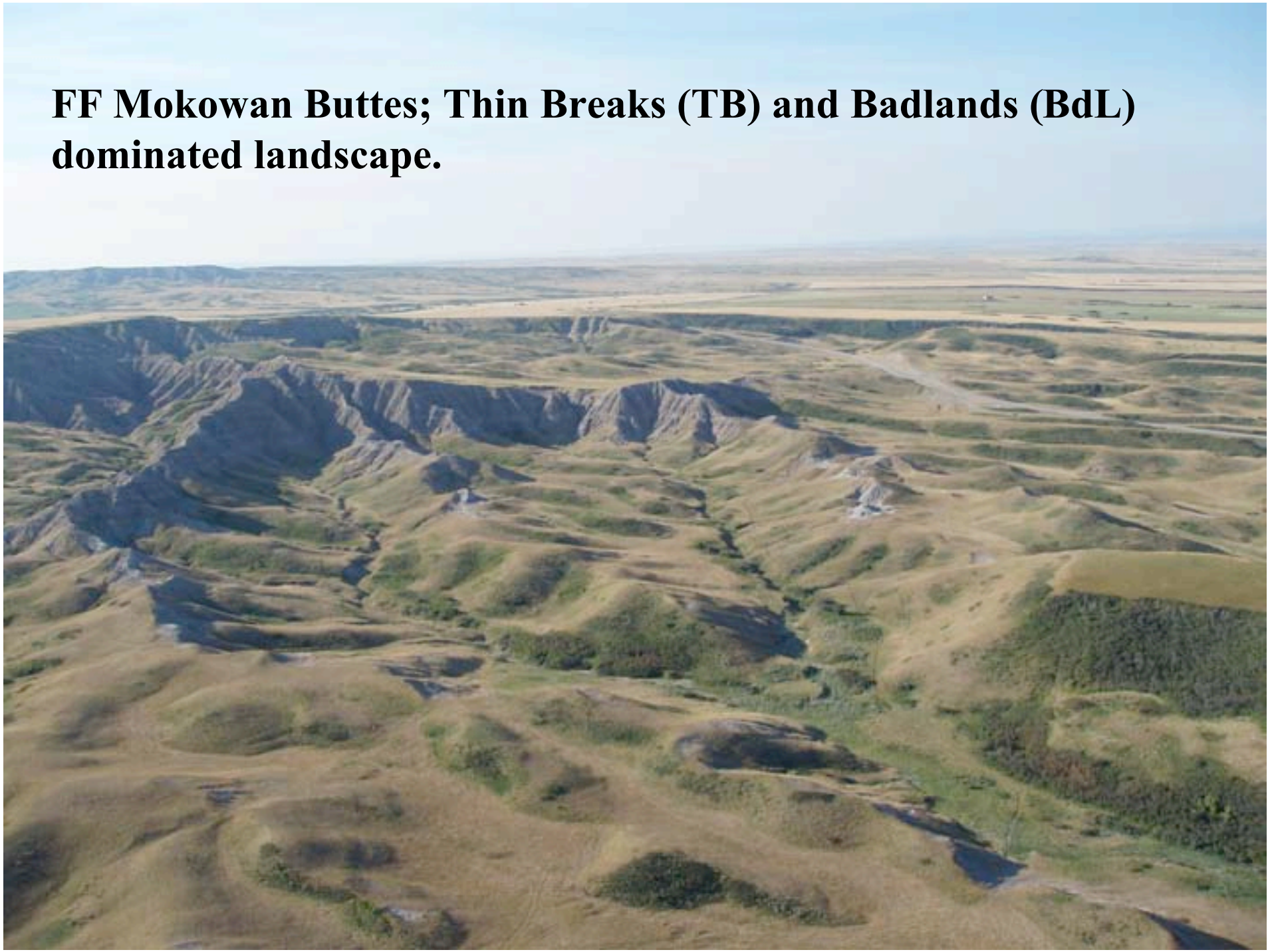
FF Blood Reserve N of Mokowan Butte with Blowout/Solonetzic (BlO) and Loamy (Lo) association



FF South of Mokowan Butte. Upland with Blowouts/Solonezic, Loamy and Thin Breaks association. Channel is Lotic Shrub of varying height, cover and species.

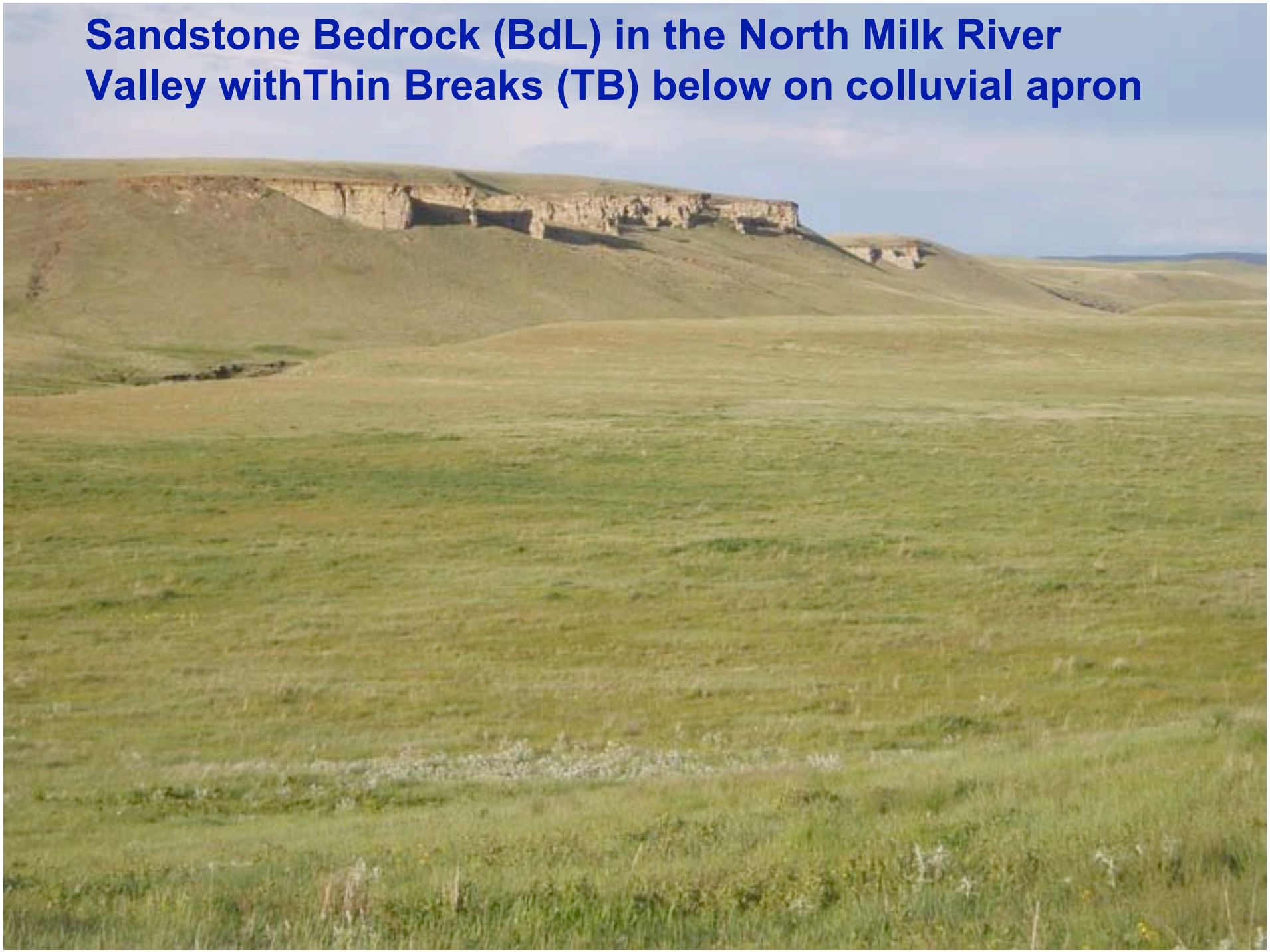
FF Blood Reserve near Mokowan Butte showing Thin Breaks (TB), Badlands (BdL), Loamy (Lo) and Overflow (Ov). Varying aspen and shrub populations will be useful for polygon delineation.

FF Mokowan Buttes; Thin Breaks (TB) and Badlands (BdL) dominated landscape.




Boneyard Coulee Overflow, Loamy, Limy, Thin Breaks and Bedrock
West of Stavely
LandWise Inc.

FF: Bedrock exposures in the Waterton Valley (BdL)

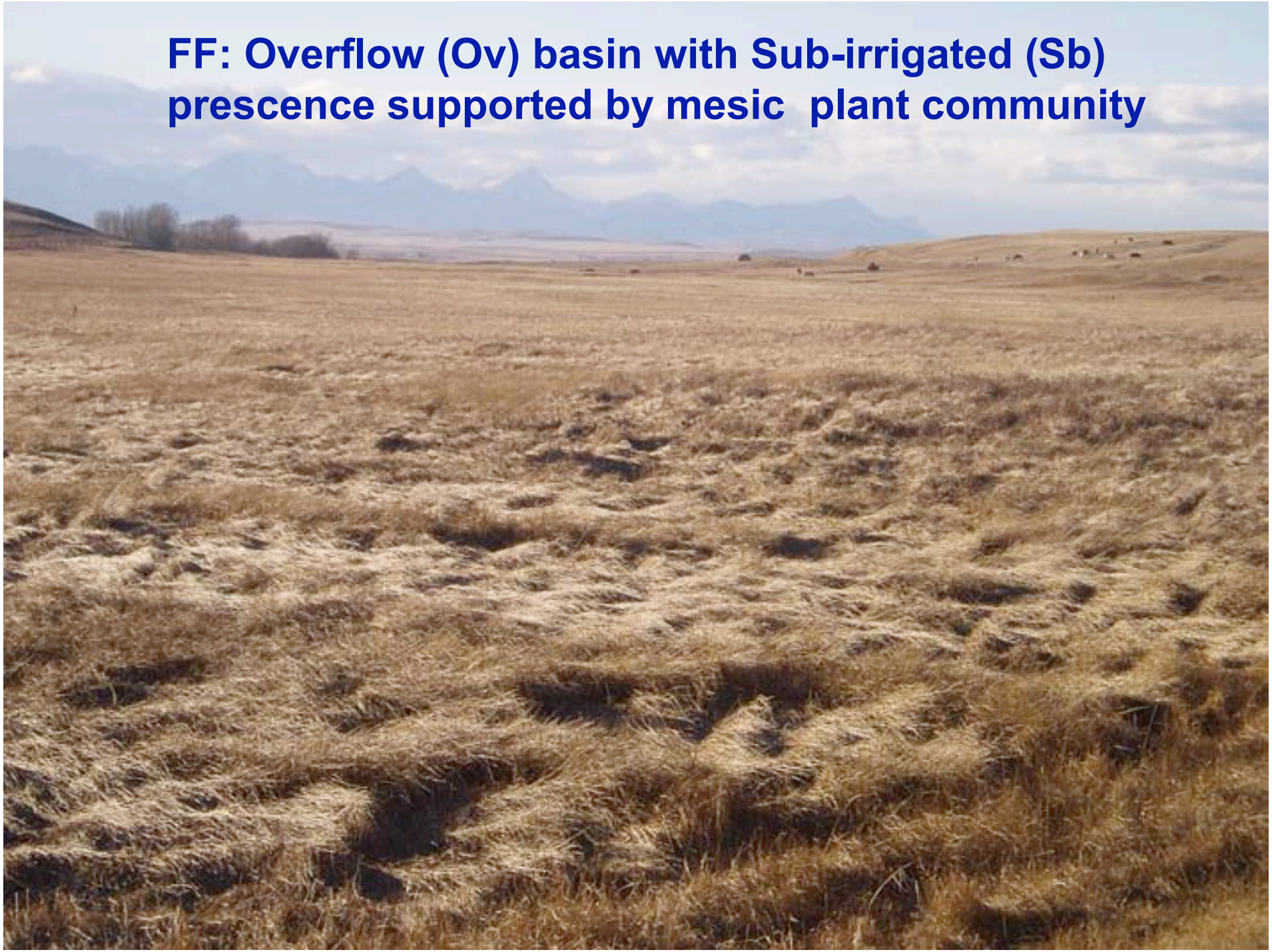

Sandstone Bedrock (BdL) in the North Milk River
Valley withThin Breaks (TB) below on colluvial apron

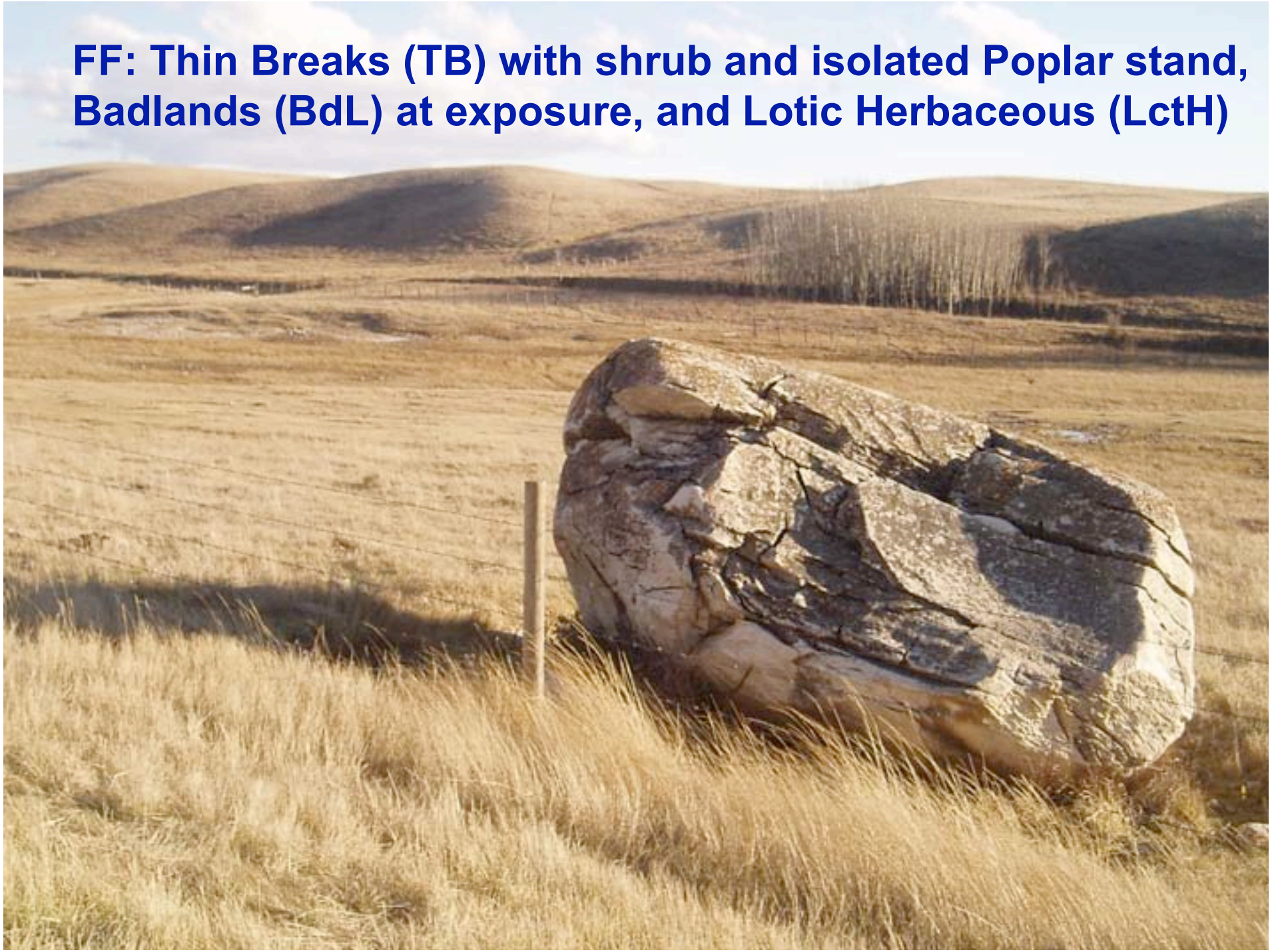

FF: Thin Breaks (TB) + Bedrock (BdL) + Overflow (Ov) in foreground

FF Shanks Valley Cropland (CN), Thin Breaks (TB) and occasional bedrock exposures (BdL)


Boneyard Coulee Overflow fans with
evidence of Thin Breaks West of Stavely

FFN: Rosebud Valley Lotic Shrub (LtcS) with slightly elevated Overflow (Ov) terraces


FF: Overflow (Ov) basin with Sub-irrigated (Sb)
prescence supported by mesic plant community


FF: Thin Breaks (TB) with shrub and isolated Poplar stand,
Badlands (BdL) at exposure, and Lotic Herbaceous (LctH)

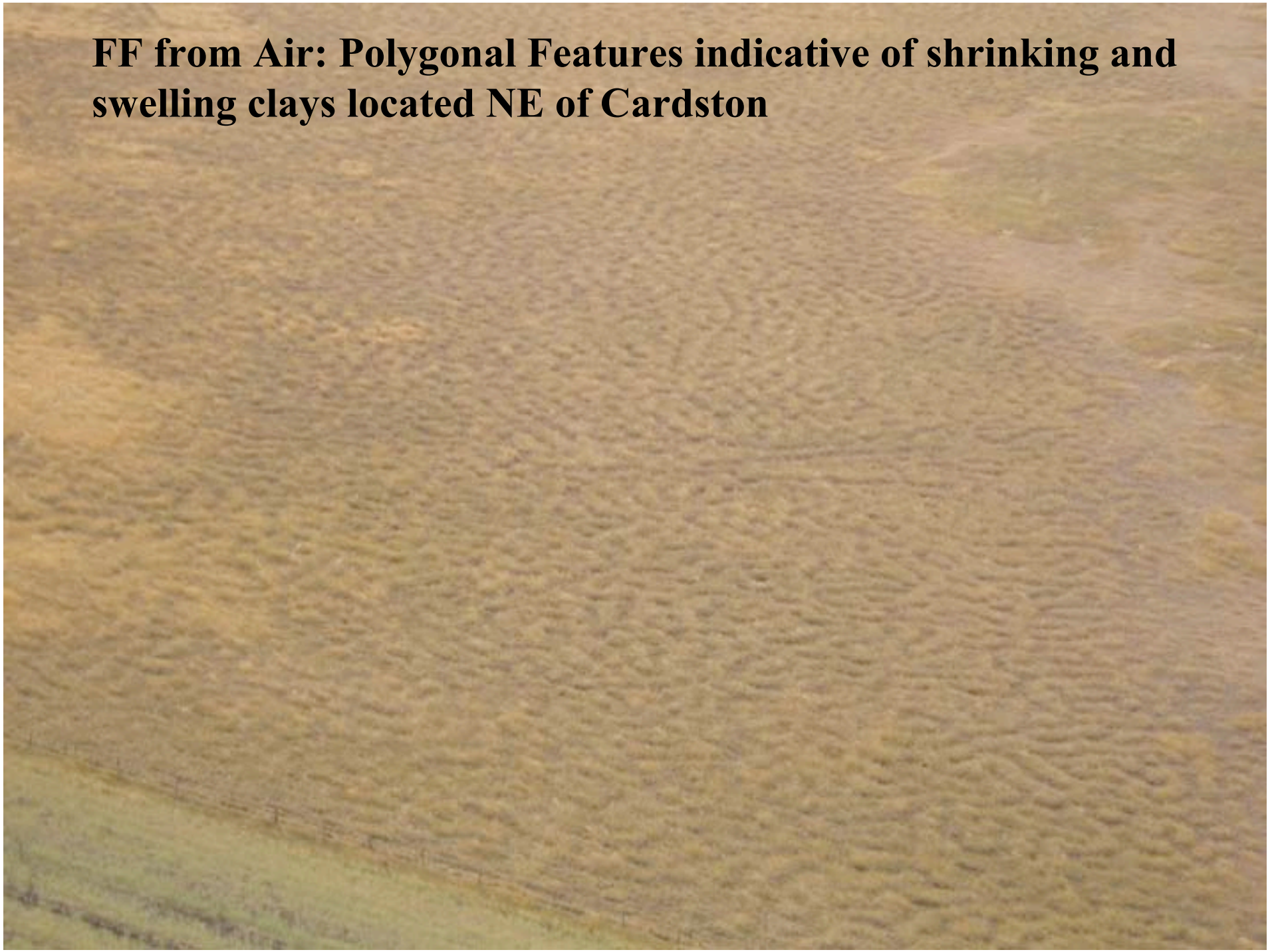
FFN: Rosebud Valley Thin Breaks (TB) with Significant Bedrock (BdL) exposures


FFN: Rosebud Valley Thin Breaks (TB) Side slope with Rose, Wolf Willow and Aspen


FFN: Thin Breaks (TB) exposures visible
due to trail construction

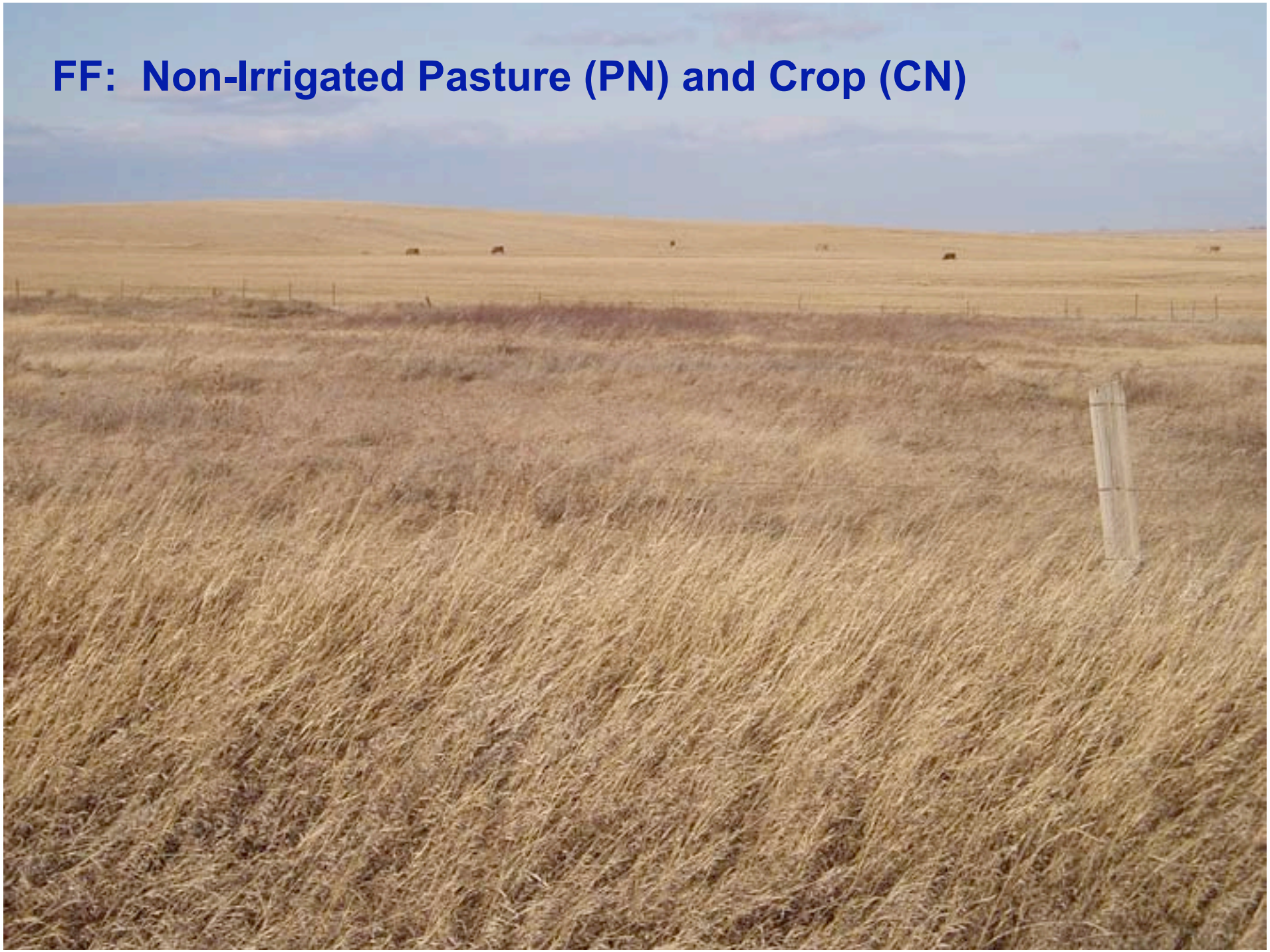
FF:Thin Breaks (TB) & Limy (Li); Varying Shrub Height & Cover

FF from Air: Polygonal Features indicative of shrinking and swelling clays located NE of Cardston



FF: Clayey Gilgai Near Cardston

FF: Non-Irrigated Pasture (PN) and Crop (CN)

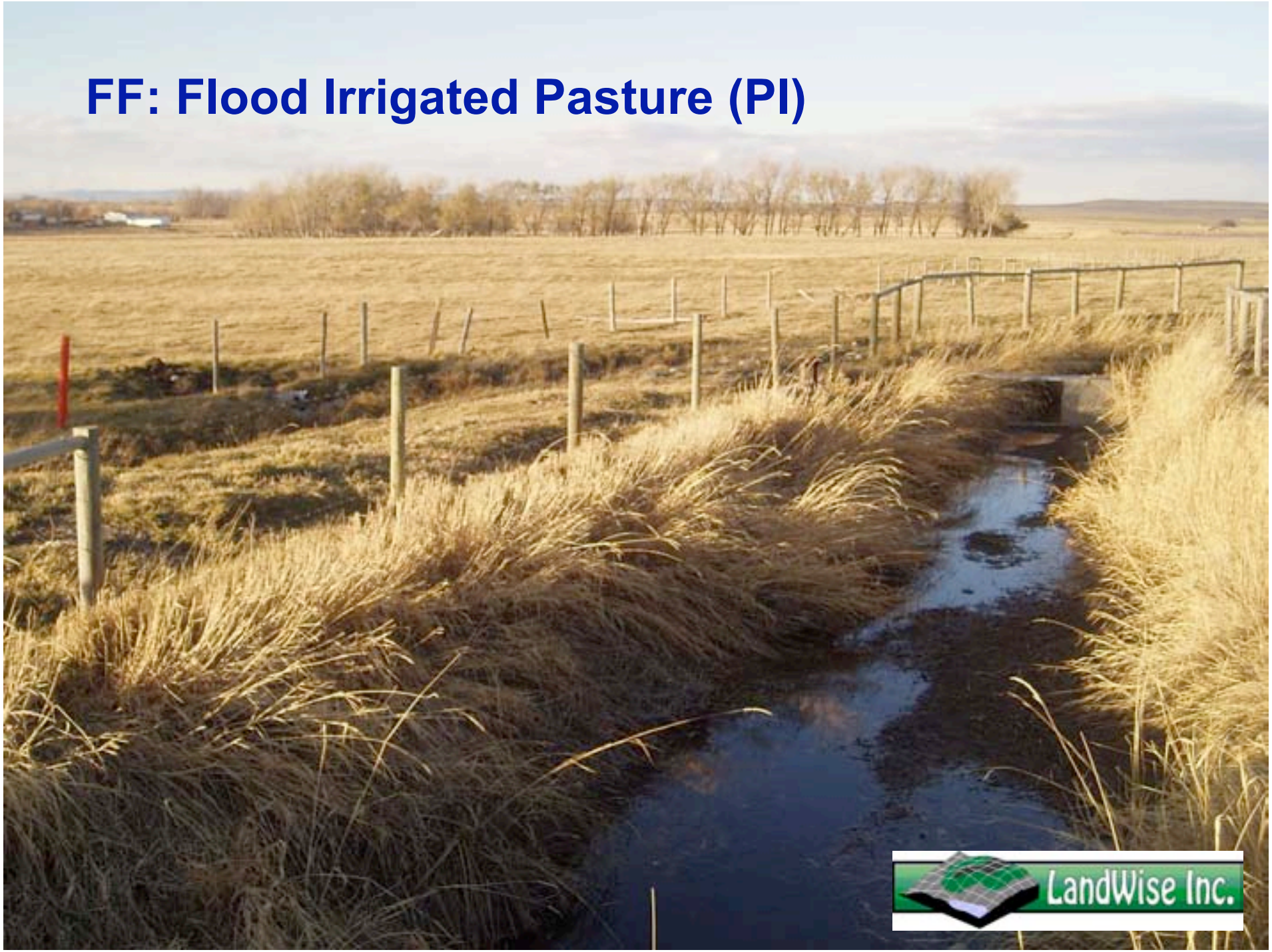


FF: Pasture Non-irrigated (PN), Crested Wheatgrass

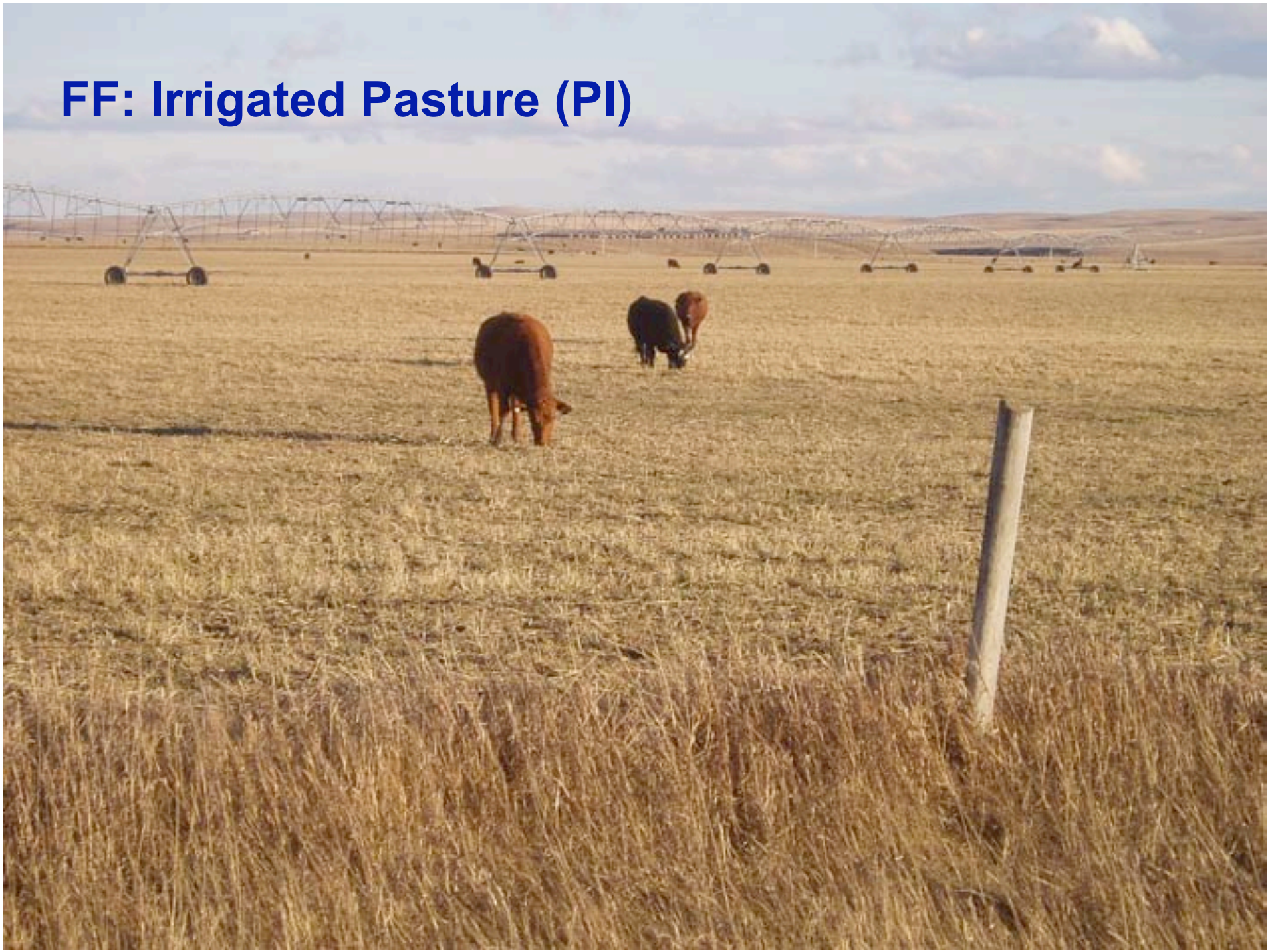
FF Pasture Non-Irrigated (PN) Site Type


FF Beef Feedlot North of Strathmore (Dev-CFO)

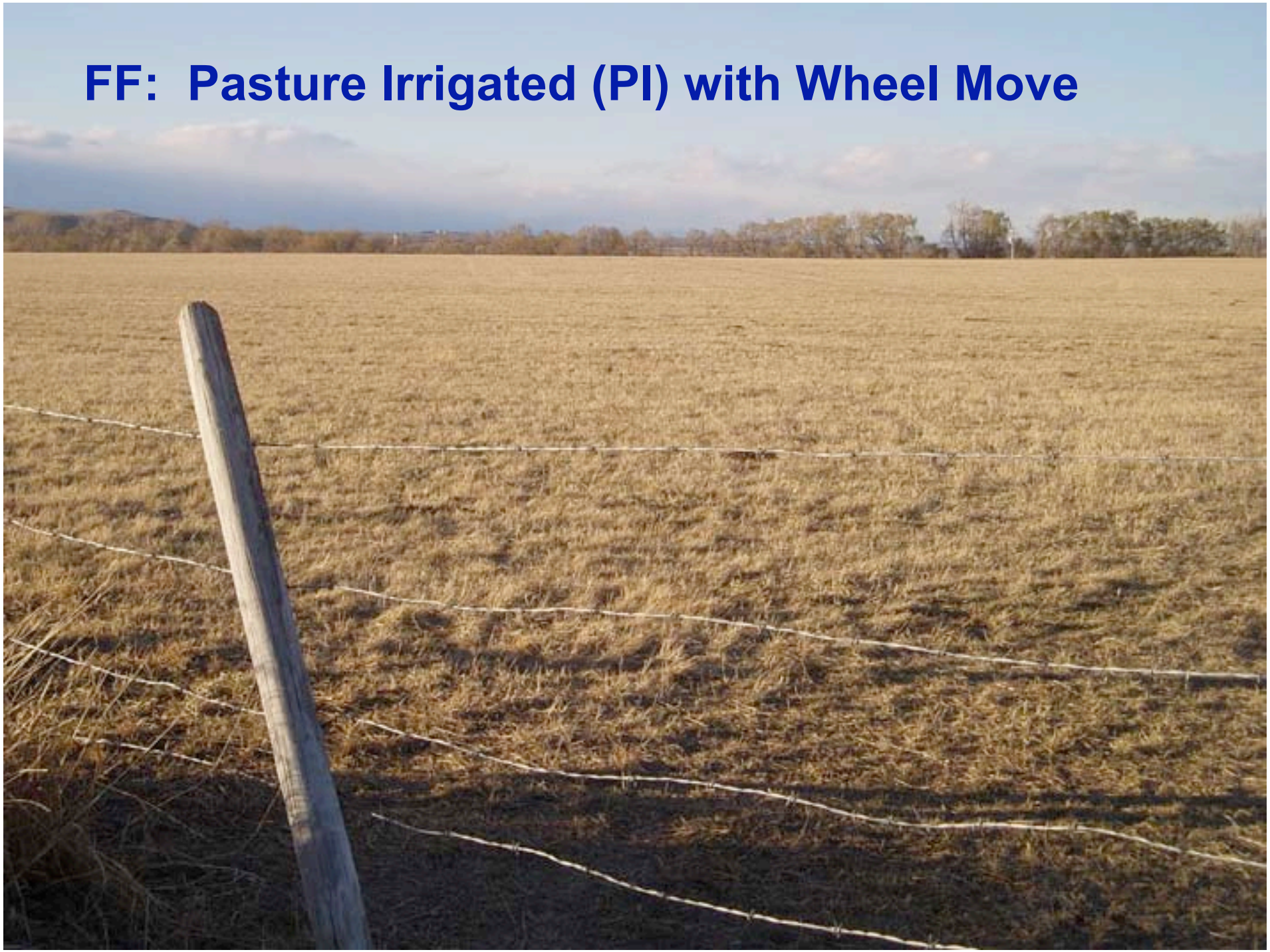
FF: Flood Irrigated Pasture (PI)



FF: Irrigated Pasture (PI)



FF: Pasture Irrigated (PI) with Wheel Move



FF: Shelterbelt near Hillspring

FF: Lentic Open Water (LenW) + Crop (CN) in Background

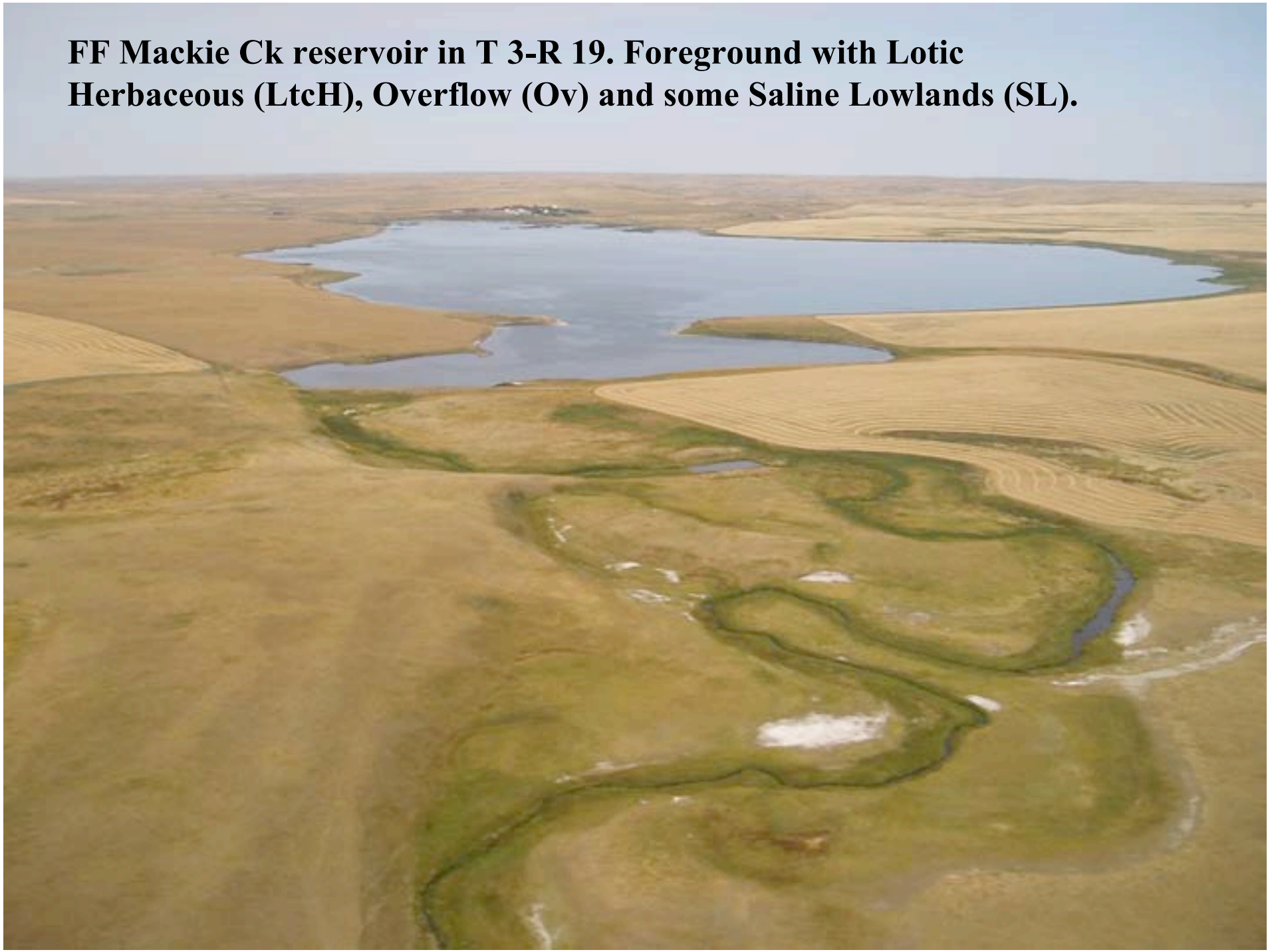
FF: Lentic Open Water (LenW)


FF Shanks Lake Lentic Open Water (LenW),
Cropland (CN) and Overflow (Ov) on apron edges


FF Shanks Creek and Lake; Overflow, Lotic
Herbaceous, Lentic Open Water, Loamy and Limy

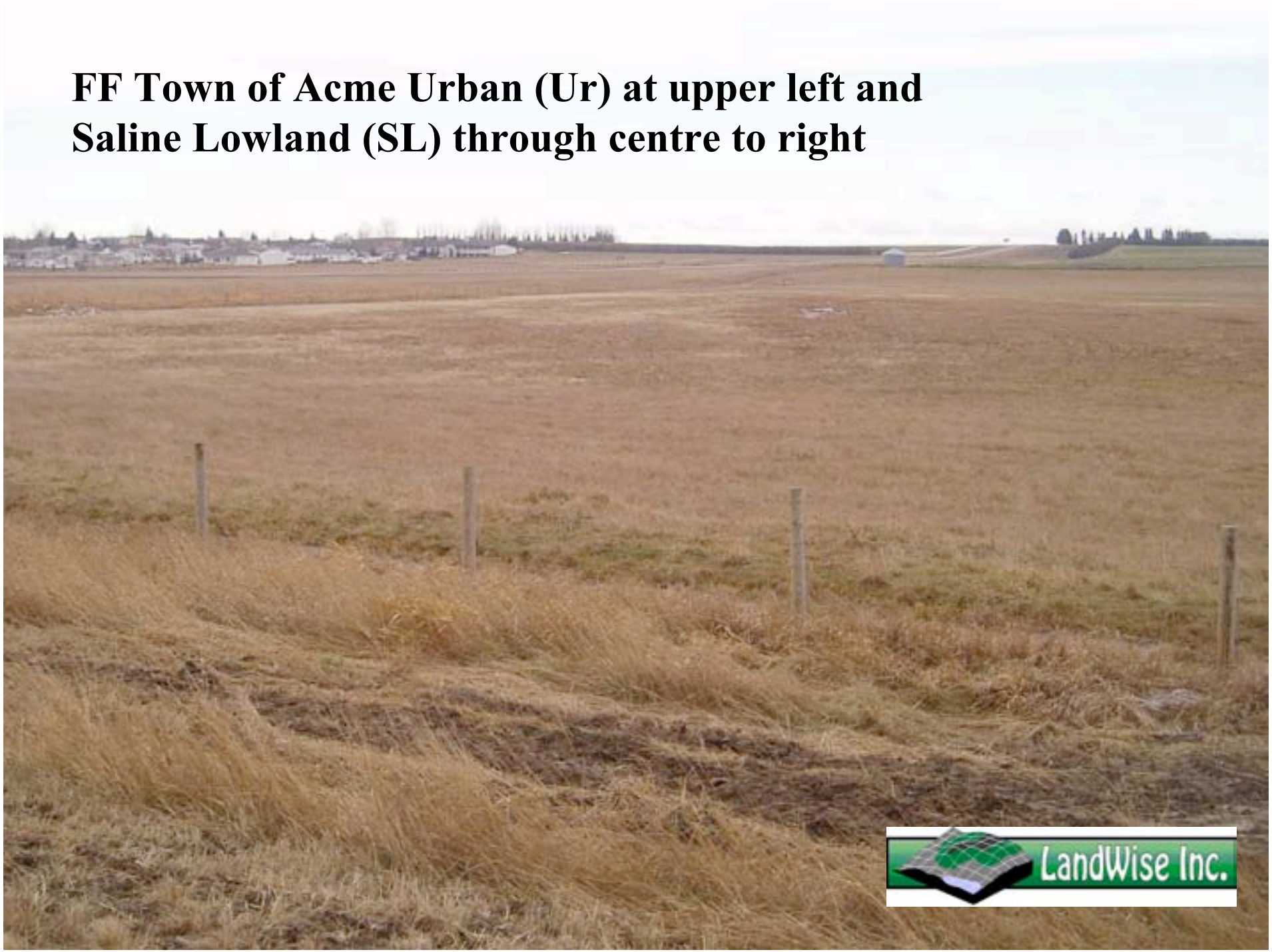
FF: Lentic Open Water (LenW) at Waterton Reservoir

FF Mackie Ck reservoir in T 3-R 19. Foreground with Lotic Herbaceous (LtcH), Overflow (Ov) and some Saline Lowlands (SL).



FF: Saline Lowland (SL) in left half of shadow and Salinity in Cropland edges; north of Cardston

FF Town of Acme Urban (Ur) at upper left and Saline Lowland (SL) through centre to right



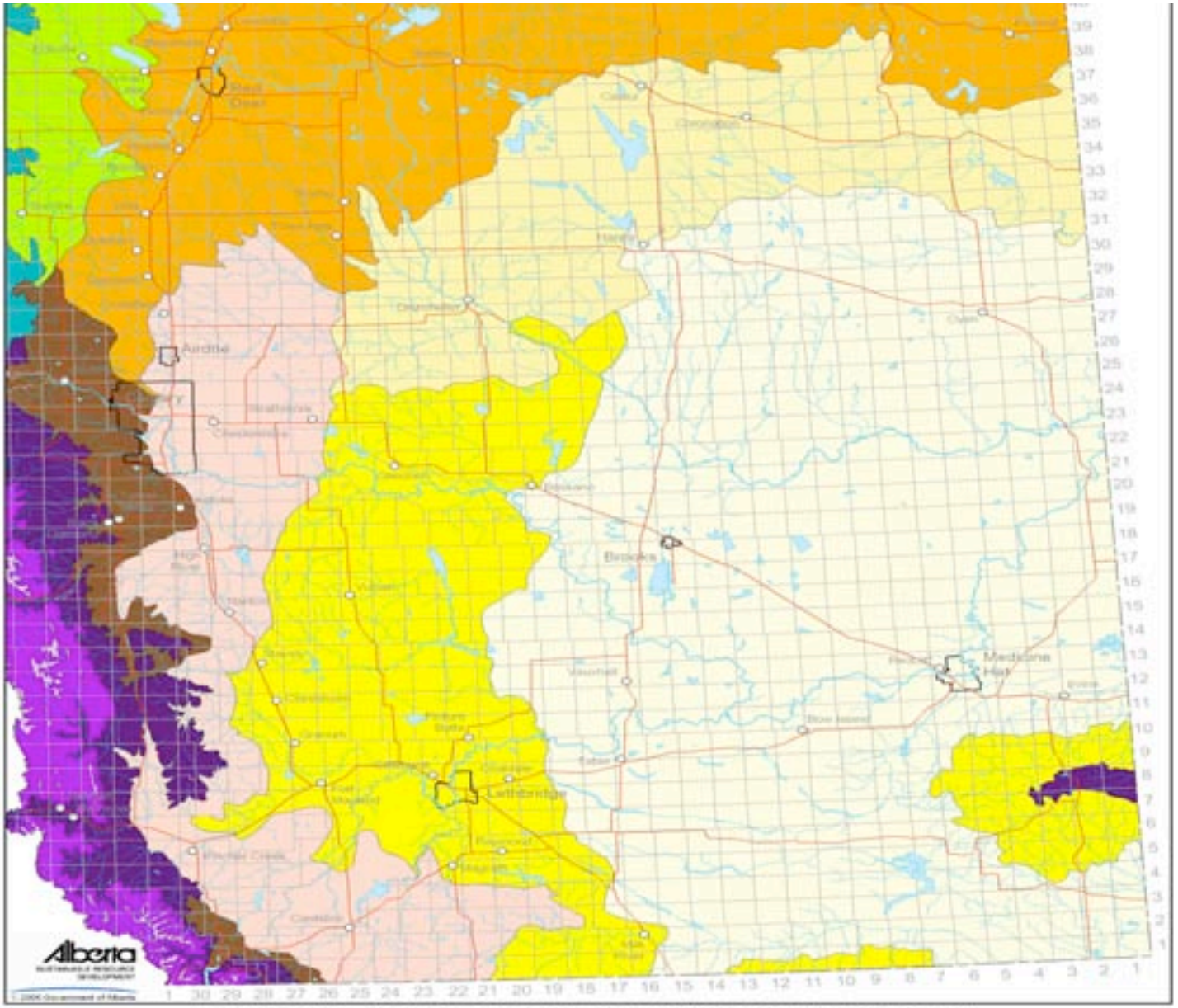
FF: Salinity in Non-Irrigated Crop (CN)

FF: Lentic Semi Permanent to Permanent (LenSP) with Shallow and Deep Marsh Vegetation Zones

West of Standoff in FF:

Lentic Semi- Permanent to Permanent (LenSP) with Open Water (LenW) and surrounded by Cropland Non-Irrigated (CN).

FF: Lentic Semi Permanent to Permanent (LenSP) with shallow marsh vegetation and Lentic Open Water (LenW)



NATURAL SUBREGIONS OF SOUTHERN ALBERTA
2005

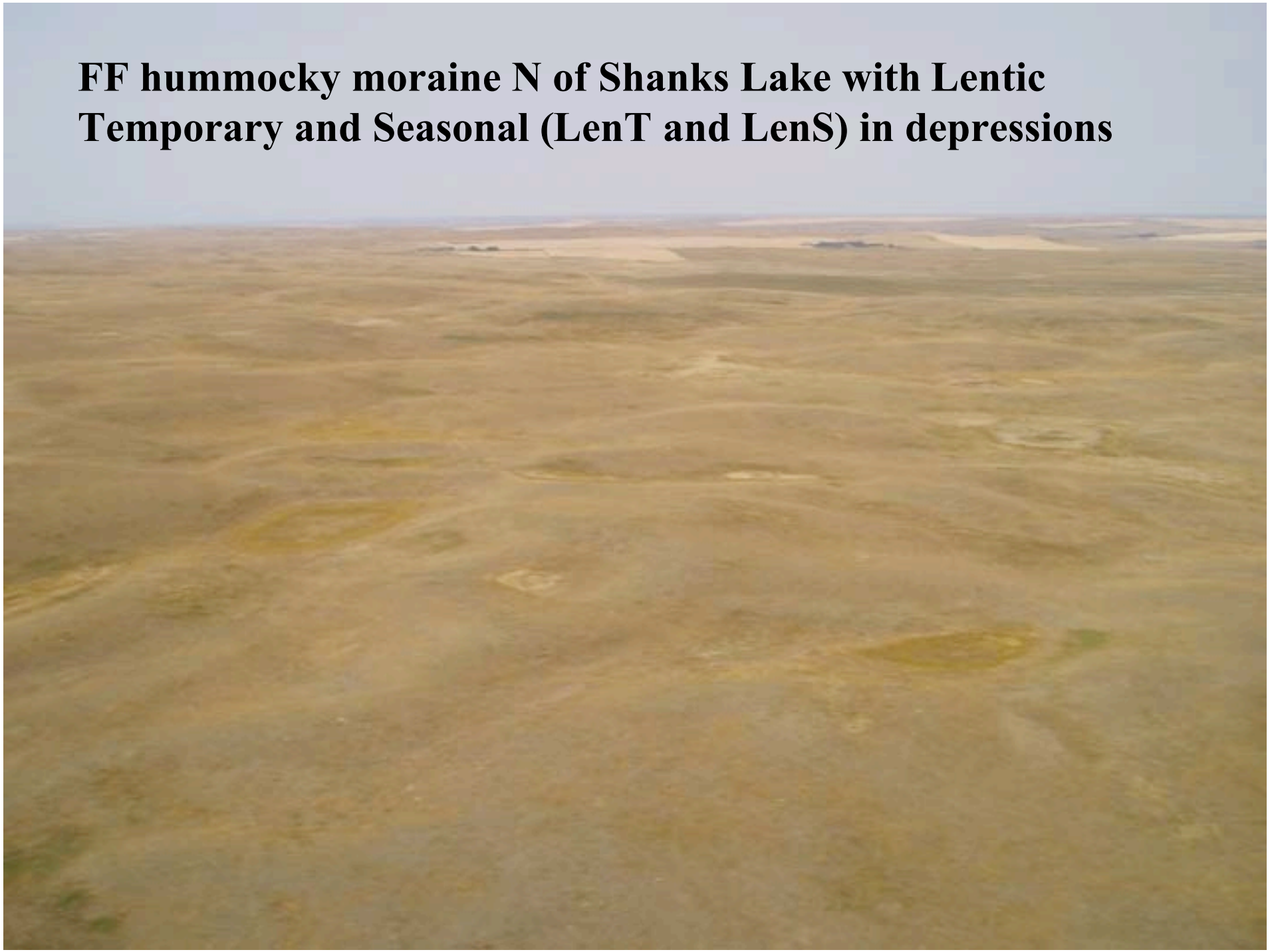
- Dry Mixedwood
- Lower Foothills
- Central Parkland
- Foothills Parkland
- Alpine
- Subalpine
- Montane
- Dry Mixedgrass
- Foothills Fescue
- Northern Fescue
- Mixedgrass

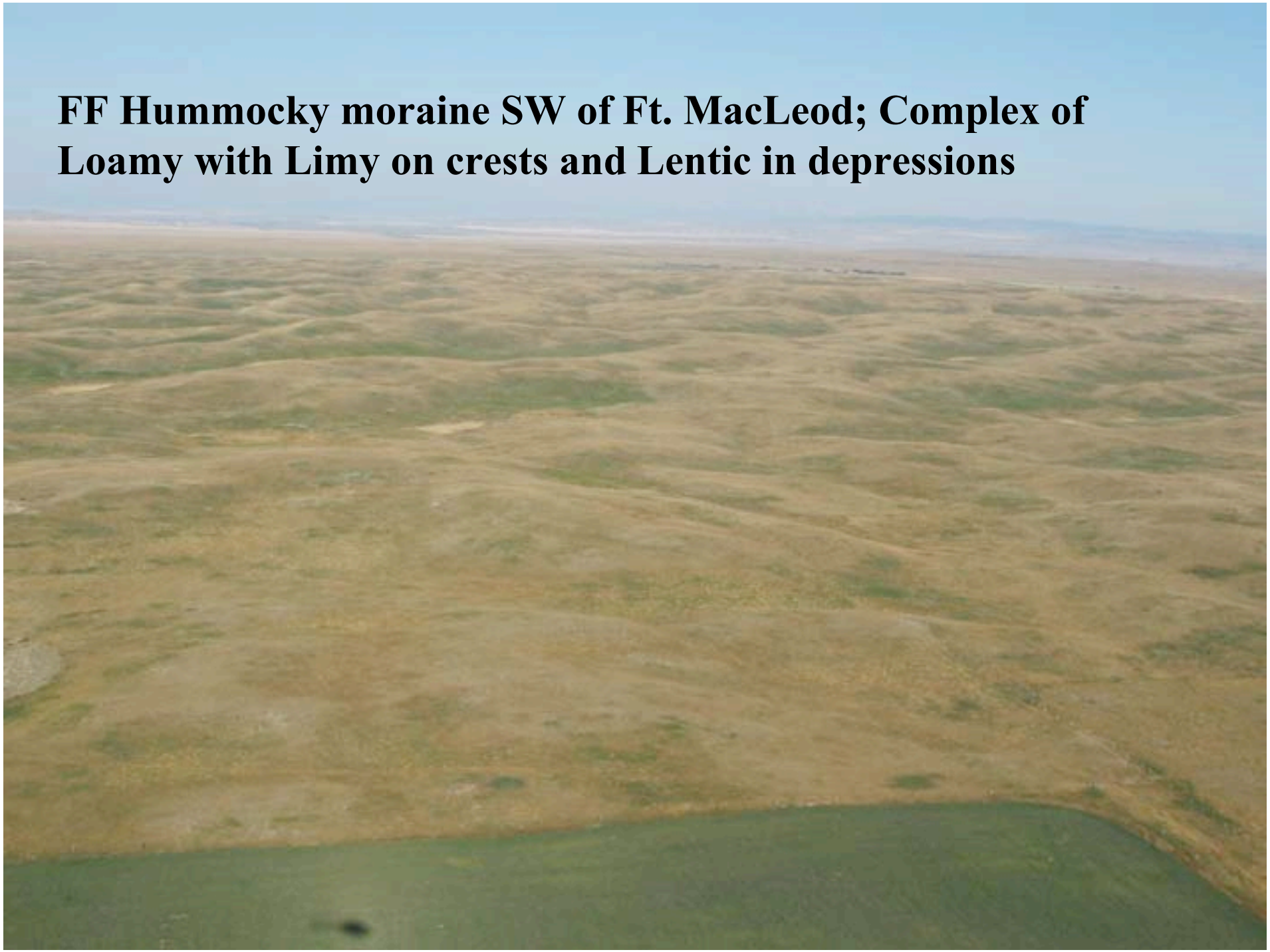
FFN: Lentic Semi Permanent to Pemament (LenSP)

FF: Lentic Semi-Permanent to Permanent (LenSP)


FF Buffalo Hills Lentic Temporary in Loamy dominated landscape

FF hummocky moraine N of Shanks Lake with Lentic Temporary and Seasonal (LenT and LenS) in depressions




FF Hummocky moraine SW of Ft. MacLeod; Complex of
Loamy with Limy on crests and Lentic in depressions

FF: Lentic Temporary (LenT)


FF: Lentic or Lotic West of Ninistoko; if flowing (eg. a spring), then classify as Lotic Shrub.

FF: Discharge Spring Landscape Downslope of Cropland

FF: Top end of a Spring; Lotic Herbaceous + Lotic shrub

FF: Lotic Herbaceous (LtcH) with shrubs on terraces

FFN: Lotic Herbaceous (LtcH) with saline edges E of Airdrie

FF: Lotic Herbaceous

FF: Lotic Herbaceous (LtcH) surrounded by Loamy (Lo)


FF Buffalo Hills Upland north of Vulcan;
farm and gullied watercourse in next slide.

FF Buffalo Hills Lotic Herbaceous with Limy or Loamy sideslopes

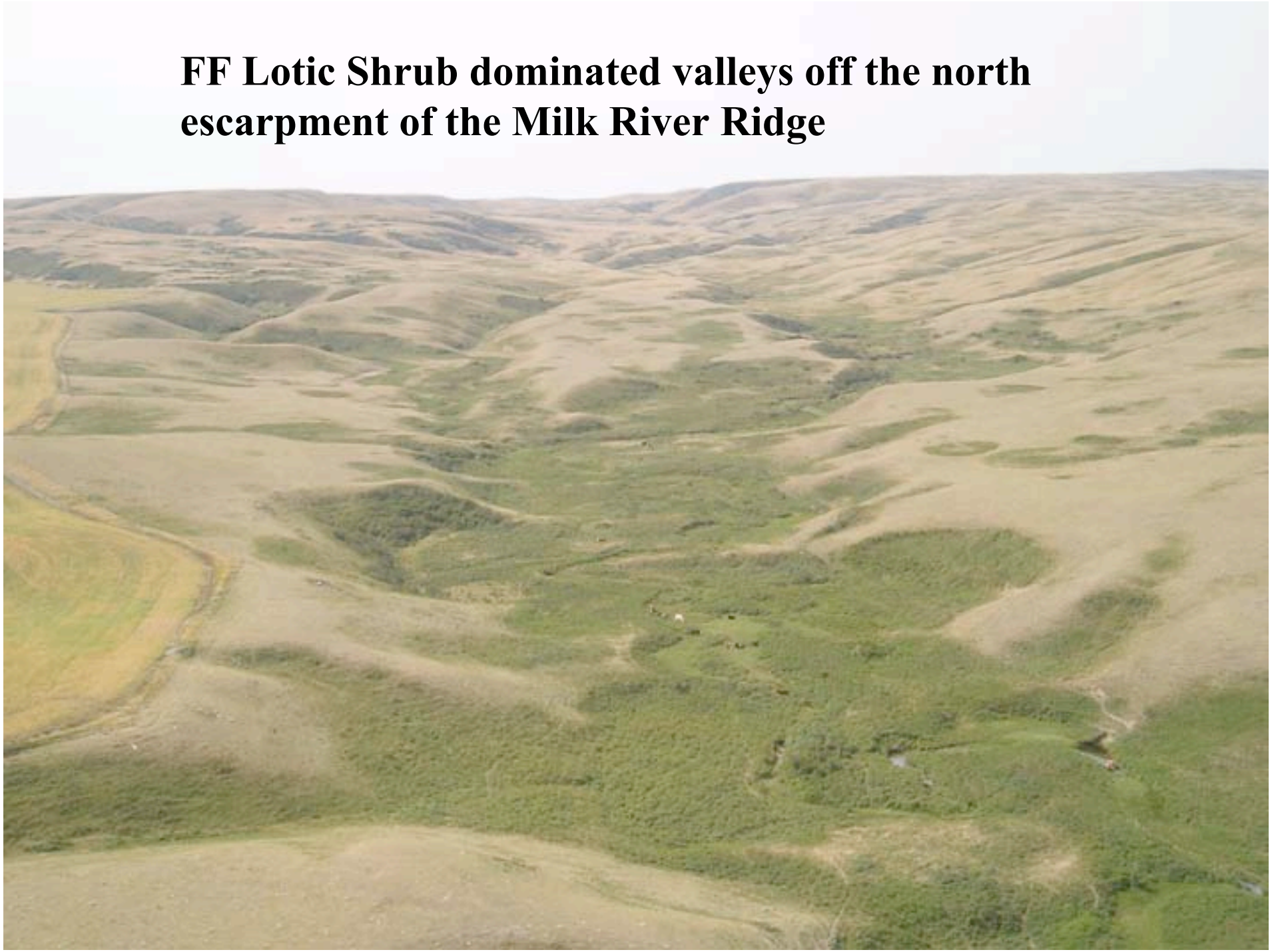
FF Buffalo Hills Lotic Herbaceous with shrubs at north-facing side


FF near Pincher Creek airport;
Crop Non-Irrigated (CN) with
salinity at right and Lotic
Herbaceous channel and Clayey
edges to left.

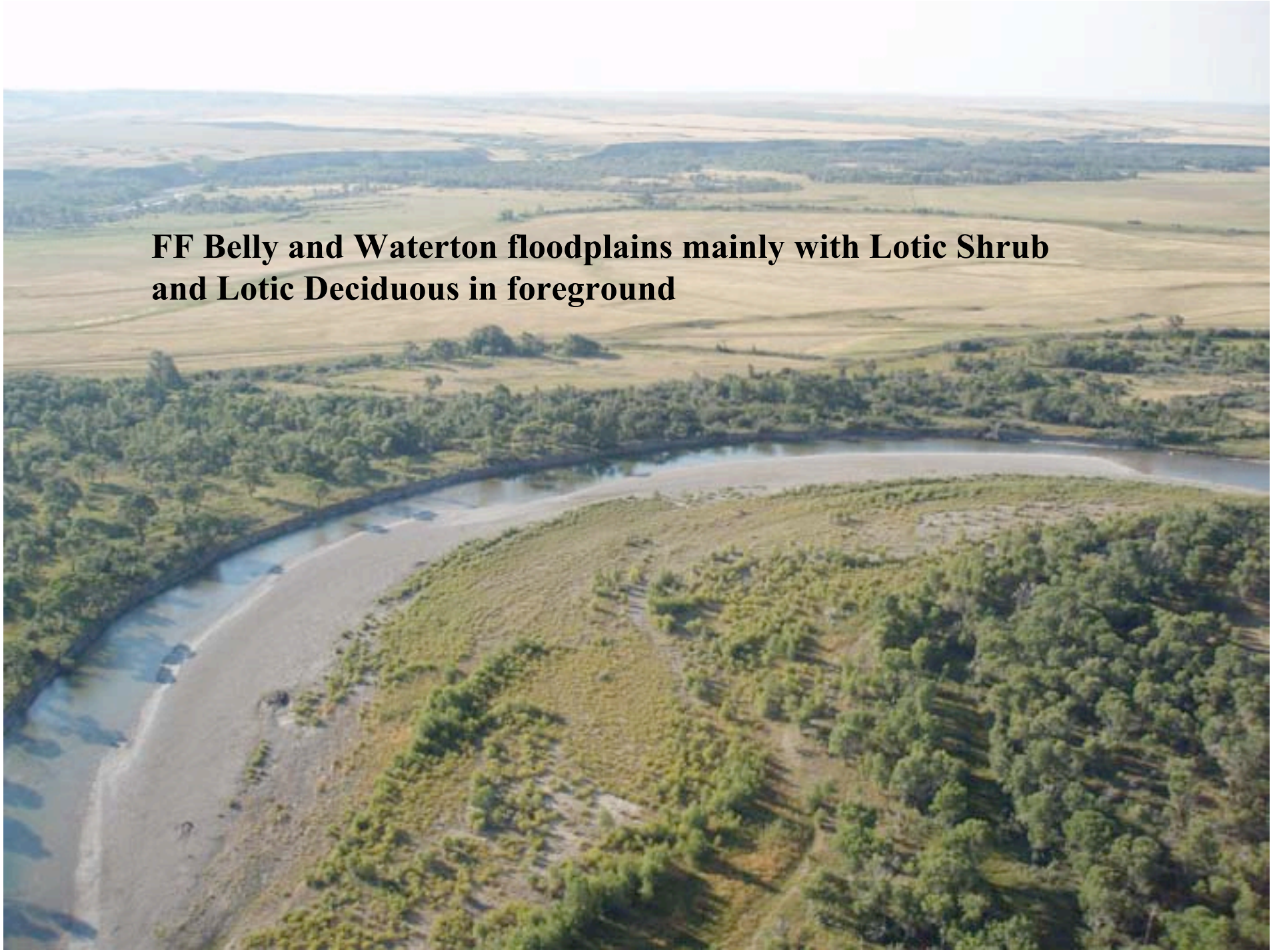
FF: ELEACOM Lotic shrub (LtcS)

FF: Lotic shrub (Salix lutea) in Bullhorn Coulee

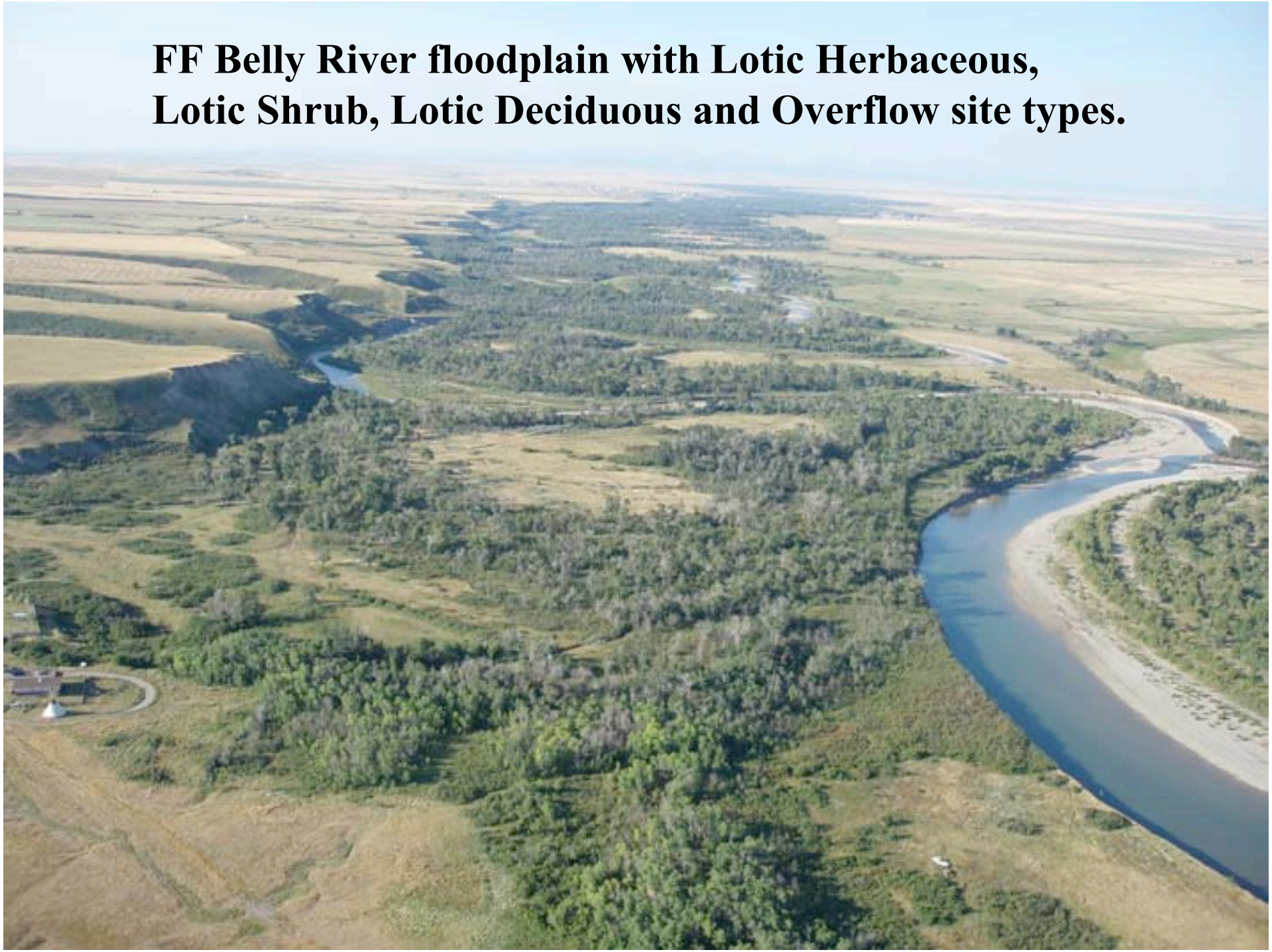
FF Lotic Shrub dominated valleys off the north escarpment of the Milk River Ridge



FF: Belly River with Lotic Deciduous (LtcD) + Lotic Shrub (LtcS)


FF Belly and Waterton floodplains mainly with Lotic Shrub
and Lotic Deciduous in foreground

FF Belly River floodplain with Lotic Herbaceous, Lotic Shrub, Lotic Deciduous and Overflow site types.



FF Belly backwaters at Standoff; Lentic Open Water and Lentic Semi-Permanent to Permanent wetlands in a Lotic Coniferous dominated system


FF: Lotic Deciduous (LtcD), Pit (G) and cultivation in the Waterton Valley bottom
LandWise Inc.

FFN: Pit- Gravel

Foothils Fescue North: Gravels (Gr)

FF: Shallow to Gravel (SwG) on Ardenville bench S of Ft. MacLeod

FFN: Shallow to Gravel (SwG) NW of Linden

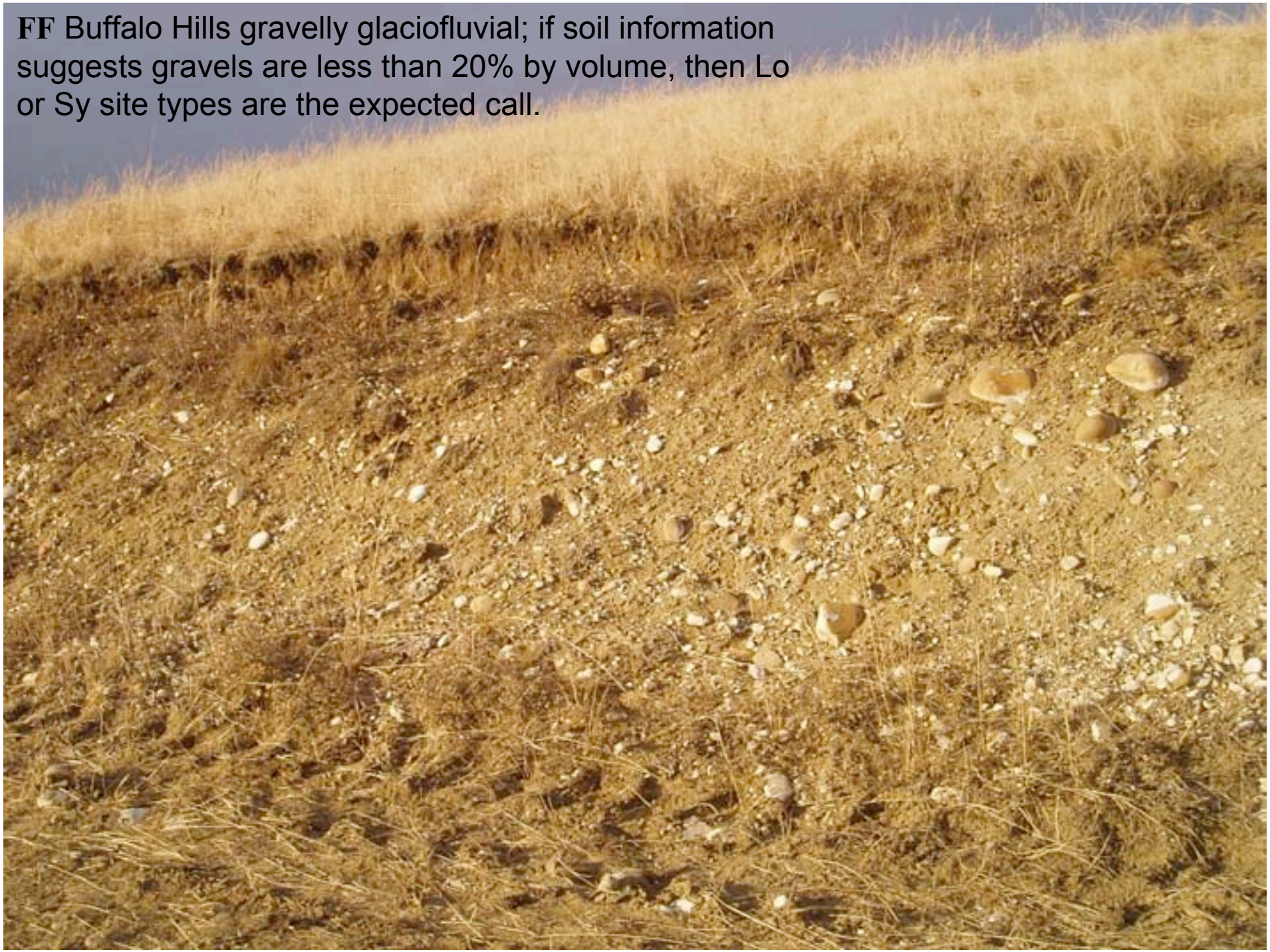
Del Bonita Cryoturbated Involution in Gravels (Gr)

Del Bonita Gravels (Gr)

FF: Ice-Wedge Pattern in the Shanks Lake Gravel Pit

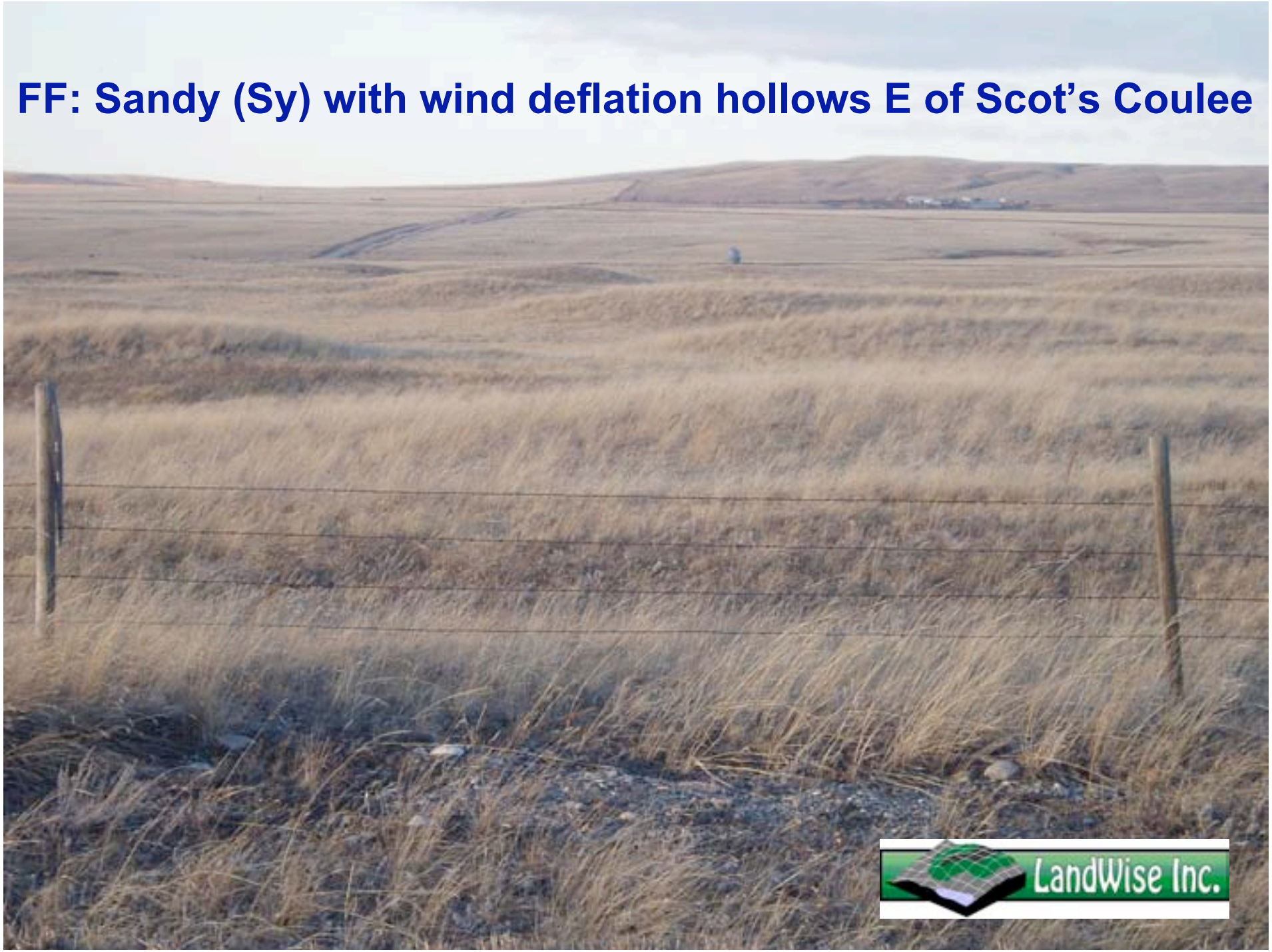
Frost Wedges in Del Bonita Gravels (Gr)

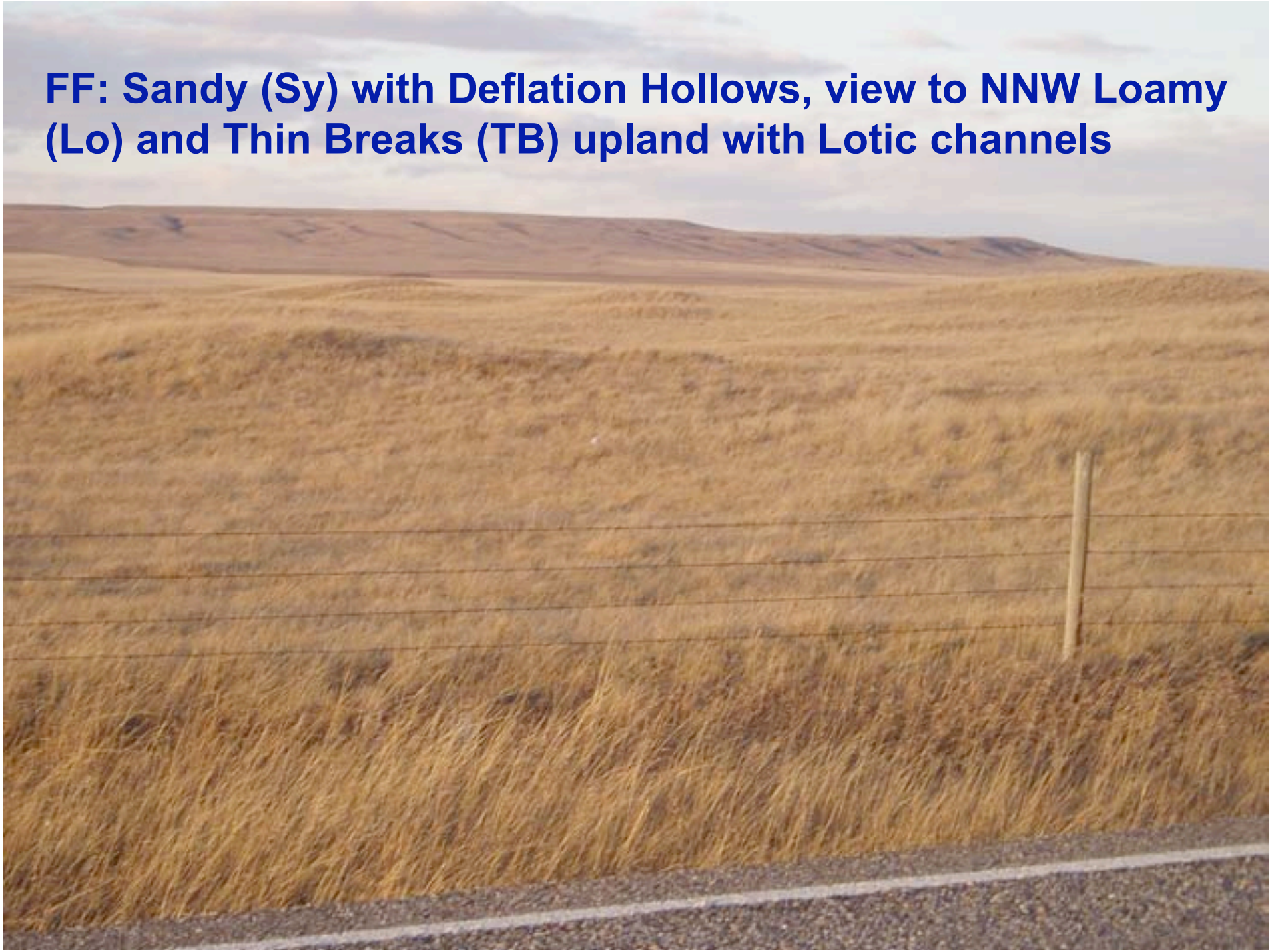
Del Bonita Plateau Shallow to Gravel (SwG) Looking East


FF Buffalo Hills gravelly glaciofluvial; if soil information suggests gravels are less than 20% by volume, then Lo or Sy site types are the expected call.


FF: Sandy (Sy) with Wind Deflation Hollows

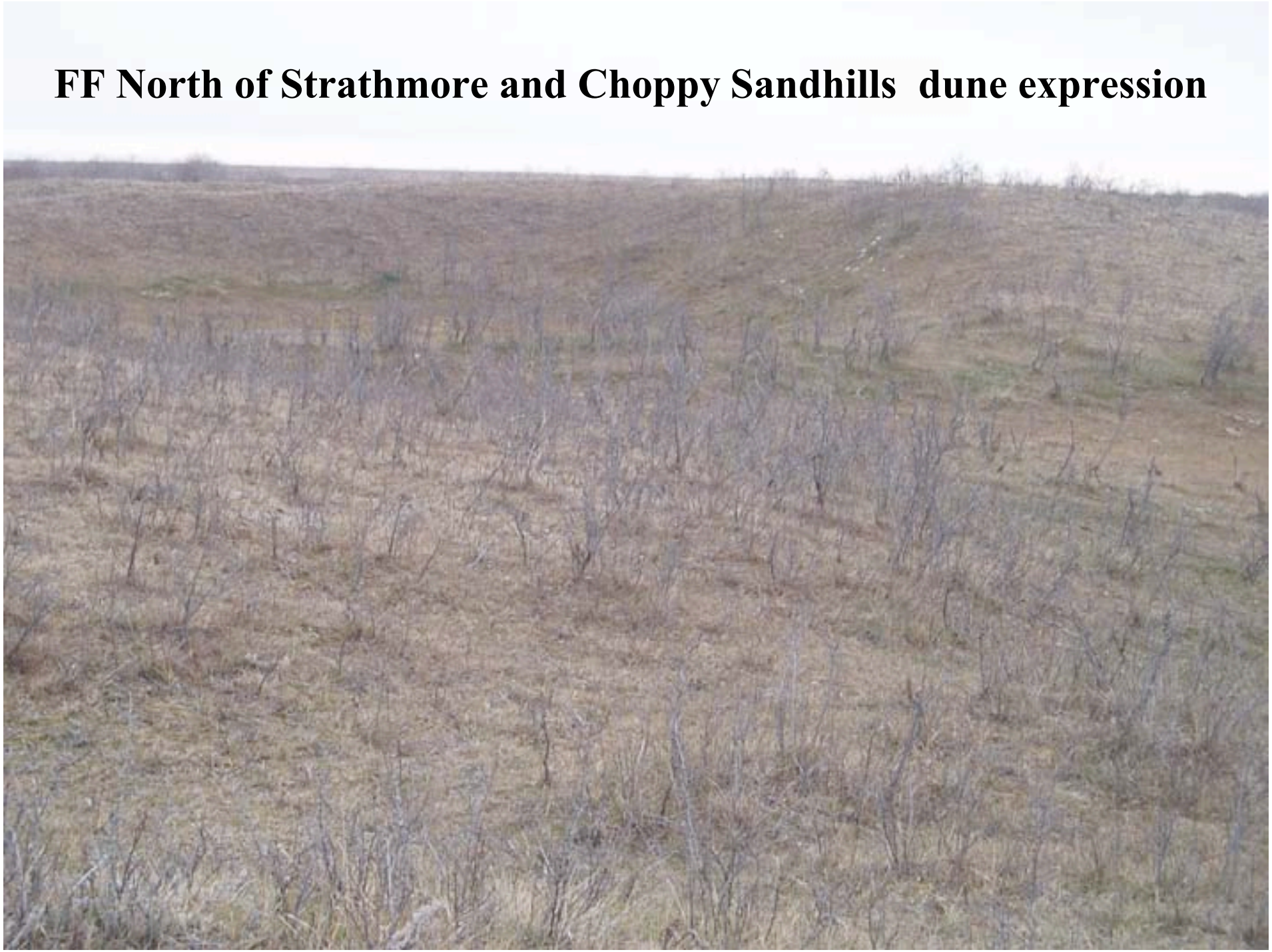
FF: Sandy (Sy) with wind deflation hollows E of Scot's Coulee



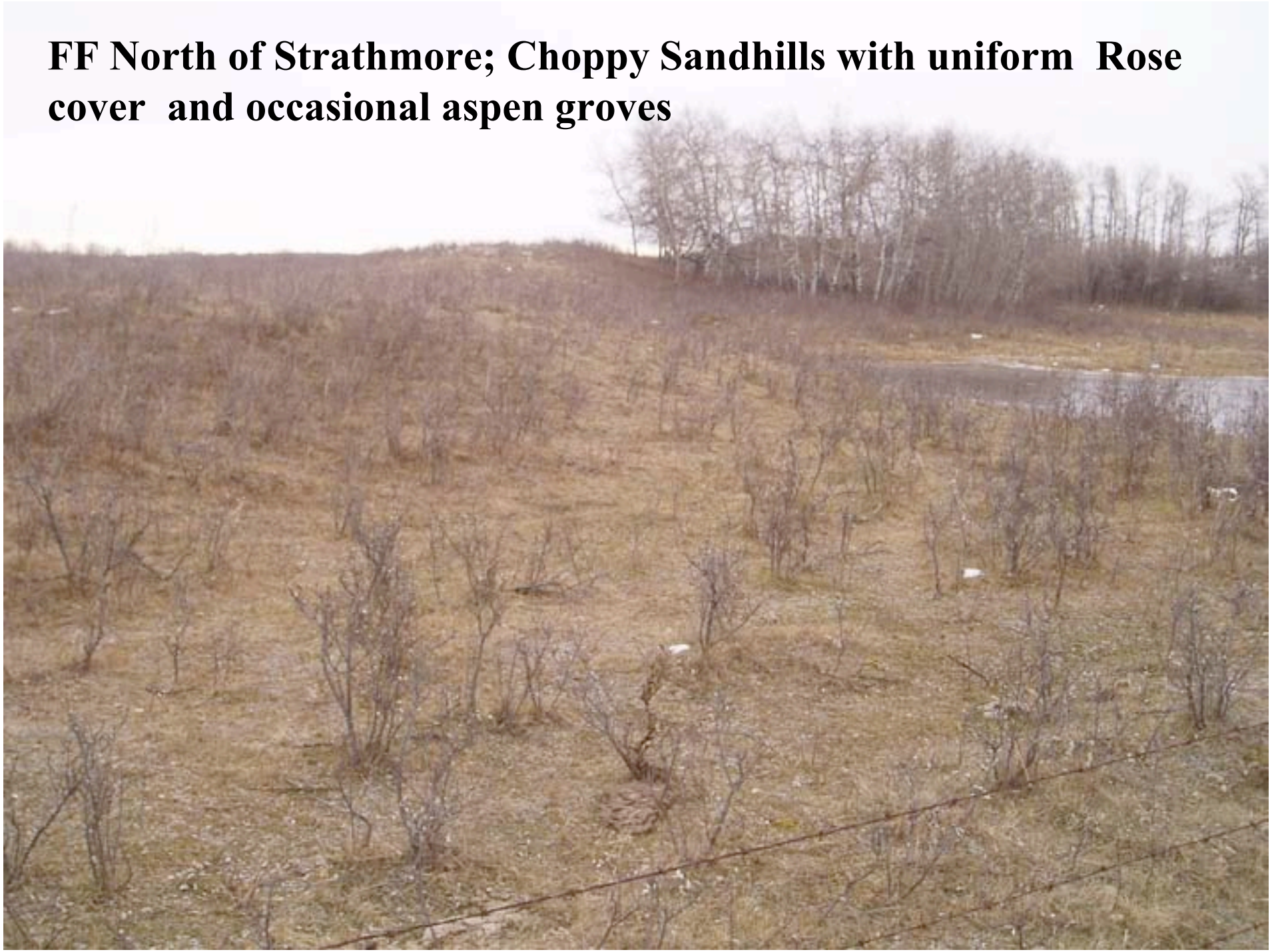

FF: Sandy (Sy) with Deflation Hollows, view to NNW Loamy (Lo) and Thin Breaks (TB) upland with Lotic channels

FF North of Strathmore with active open Choppy Sandhills and dense low shrub cover on stable dunes.

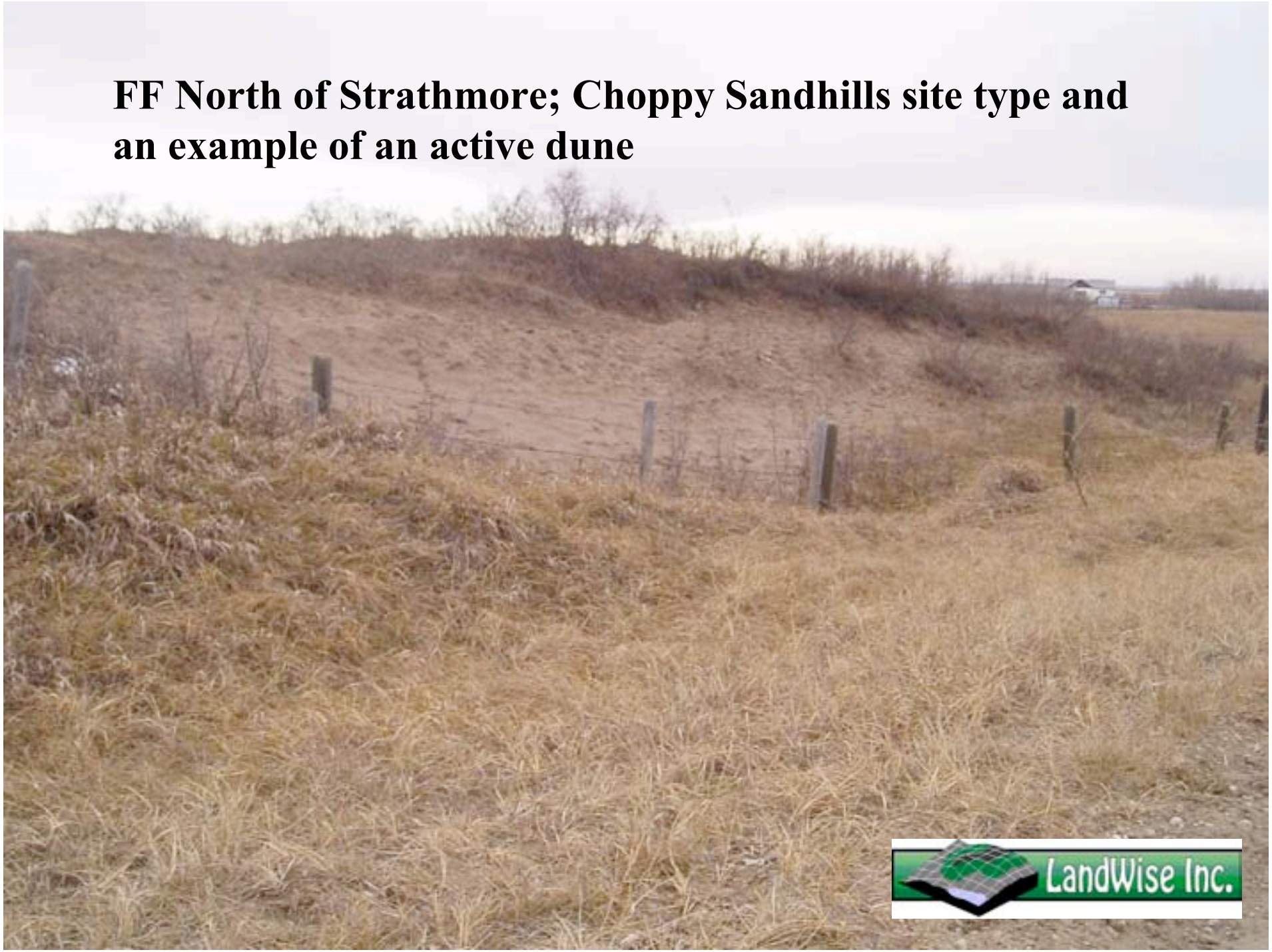
FF North of Strathmore and Choppy Sandhills dune expression



FF North of Strathmore; Choppy Sandhills with uniform Rose cover and occasional aspen groves



FF North of Strathmore; Choppy Sandhills site type and an example of an active dune

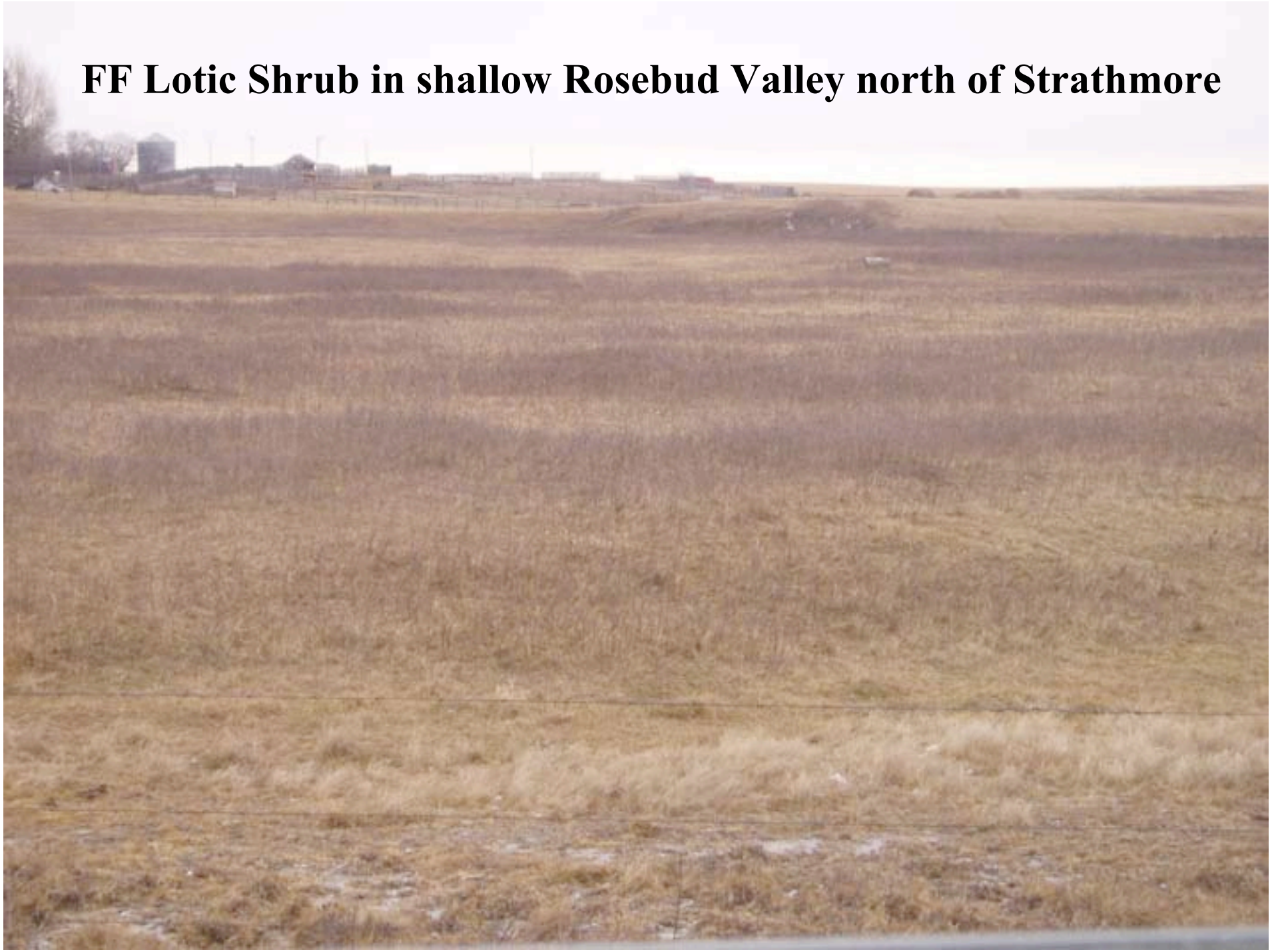


FF North of Strathmore; Choppy Sandhills with a high watertable and Lentic Semi-permanent to Permanent (LenSP) in low

FF North of Strathmore with Subirrigated (Sb) at left and Sands (Sa) at centre and right.


FF North of Strathmore; Sands (Sa) site type
with Orthic Black Chernozem soil subgroup.

FF Lotic Shrub in shallow Rosebud Valley north of Strathmore



FF North of Strathmore; Cropland (CN) in loamy sand soils with subirrigated site type at willows and aspen encircling the Lentic Open Water body.