Figure 2: Ecodistricts in the Mixedgrass Natural Subregion
MG Loamy (Lo); Lacustrine overlay in foreground and hummocky till in background
MG Sundial Butte; Loamy with significant Limy crests
MG Sundial area; hummocks are Loamy (Lo) with Limy (Li) crests and swales are loamy with minor Lentic Temporary (LenT).
Thin Breaks (TB), Limy (Li) and Badlands (BdL)
Little Bow valley slumps; Thin Breaks (TB)
Overflow, Thin Breaks and Limy in Little Bow
MG Badlands (BdL); glacially contorted bedrock
MG Badlands (BdL), Thin Breaks (TB) and Overflow (Ov)
MG Badlands (BdL) North of Gleichen
MG Thin Breaks (TB) and Badlands at Belly River
Badlands (BdL), Thin Breaks (TB), and Overflow (Ov)
MG Overflow and Thin Breaks adjacent to Badlands at Gleichen
MG Blowouts (BIO) and Thin Breaks (TB) at Keho Lake
Scattered Blowouts in Clayey Landscape NW of Standard
MG Co-dominant Blowouts, Overflow and Clayey NW of Standard
MG Limy (Li) slopes and Overflow (Ov) apron
Overflow fans in the Little Bow Valley
Little Bow Lotic Shrub (LtcS) and Overflow (Ov) fans
MG Belly River Valley; mix of Lotic Deciduous, Lotic Shrub, Lotic Herbaceous and Overflow
MG Lotic Shrub with willows, pincherry and silverberry
MG Belly River Lotic shrub and Deciduous types
MG Lotic Shrub and Lotic Deciduous at Monarch
MG Lotic Deciduous; Populus angustifolia
MG: Summerview near Brocket; Lotic Deciduous, Lotic Shrub, and Islands in the Oldman River
Bow River Valley Lotic Site Types (Background) Near Gleichen
MG: Arrowwood Creek Lotic Shrub and Herbaceous complex with Overflow. Sides are Thin Breaks and Limy.
MG: Lotic Shrub Near Wisdom, South of Medicine Hat
Uplands are Loamy with Significant Limy
Lotic Shrub (LtcS), Overflow (Ov) & Loamy (Lo) NW of Gleichen
MG: Siksika Lotic Shrub (Ltc S)
MG: Milk River Valley; Lotic Shrub, Lotic Herbaceous and Overflow Near the Town of Milk River
MG Lotic Herbaceous (LtCH) and Blowouts (BIO) NW of Standard
MG Lotic Herbaceous with Sandy and Loamy edges SE of Ft. MacLeod
MG Gravel (Gr) Plain near Belly River, SE of Ft. MacLeod
MG Gravel (Gr) overlying Shales in Belly valley
Shallow to Gravel (SwG) and Gravel (Gr) over Lacustrine and Shale
MG Shallow to Gravel (SwG) over Lacustrine over Shale
MG Pit (G); Gravel Pit
MG Gravel (Gr) in hummocks near Sundial Butte
MG Gravel (Gr) in hummocky landscape
MG: Groundwater Influence West of Ft. MacLeod. Classic model for the Subirrigated Site Type.
Subirrigated (Sb) from fence to centre right and Gravels (Gr) at Iron Springs
MG Little Bow Valley Subirrigated (Sb) + Overflow (Ov) fans
MG Sands (Sa) with 5-10% Coarse Fragments; Any % less than 20 is not Gr or SwG.
MG Sandy (Sy); slight deflation hollows + Roses
MG: Siksika Sandy (Sy) Plain with Sporadic Shrubs
MG Sandy (Sy) or Sands (Sa); Use Soil Survey Information for Site Type calls based on Texture
MG Sandy (Sy) with Rural Residential on Siksika Nation
Saline Lowland (SL) and Lentic Open Water (LenW) near Nobleford
MG Saline Lowland (SL)
MG Saline Lowland (SL) with cropland in background; North of Nobleford
MG Overflow (Ov) and Saline Lowland (SL) south of Keho Lake
MG Overflow (Ov) + Saline Lowland (SL); Thin Breaks (TB) + Badlands (BdL) at middle left.
Crowfoot Creek Near Standard

- Clayey
- Thin Breaks
- Badlands
- Overflow
- Overflow
- Saline Lowland
- Lotic Herbaceous
- Co-dominant Saline Lowland and Blowouts
- Saline Lowland
- Overflow

LandWise Inc.
MG: Salinity in Cropland Non-irrigated
MG: Salinity in Hayland Non-Irrigated
MG: South of Raymond. Colour Infrared Contrast Between Salinity, Lentics and Cropland
MG Discharge wetland (LenS) in Irrigated Pasture (PI)
MG Contact zones of Wet Meadow and Tall Marsh
MG: Rush Lake S. Shore About 40 km South of Medicine Hat. Shorelines indicate different Lentic permanency.
MG: Lentic Temporary and Seasonal Wetlands SW of Wrentham; Only delineate Lentic and Lotic if >1 ha in area.
MG: Wrentham Lentics; Identify Seasonal vs. Semi to Permanent; A clue: what Lentics are occasionally farmed?
MG: Lodge Creek Bench Lentic Seasonal, with Spike Rush surrounded by Tufted Hair Grass. Dominantly Loamy uplands.
MG: Lentic Fenceline Contrast Near Ft. MacLeod
Lentic Semi to Permanent (Lentic SP) and Gravels (Gr) near Gleichen
MG Lentic Semi to Permanent (Lentic SP) or Lentic Alkaline Fen Near Gleichen. If salts are visible, then LenA is most appropriate.
MG Lentic Open Water (LenW)
MG Lentic open water (LenW)
MG Lentic Open Water (LenW) at Iron Springs
MG Lentic Open Water (LenW) at Keho Lake
MG LenW of Travers Reservoir and Cropland non-irrigated (CN) in middleground
MG Crop Non-Irrigated (CN) of Dryland Canola
MG Wheel-move Irrigation (CI)
MG Crop Irrigated (CI) Barley
MG Corn Crop Irrigated (CI)
MG Sugar Beets; Crop Irrigated (CI)
MG Trickle Irrigation (CI) – Pumpkins and Berries
MG Pasture Irrigated (PI) near Lethbridge
MG: Gleichen Pasture Irrigated (PI) via Flood System
MG Pasture Irrigated (PI); flood irrig. in Little Bow
MG Pasture with flood irrigation on lower slopes (PI) and native/natural site types on upper slopes (eg. Sy).
MG Irrigated Cereal (CI) and Hay (PI) by corner pivot
MG Shelterbelt; linear feature
MG Travers Reservoir + Rural (Ru) Residential
MG Rural (Ru) Farmstead; if larger than 5 ha, then delineate as a polygon. Cropland Non-Irrigated in foreground.
MG Rural (Ru) Farm
Be cautious when assessing rural permanency; this is a temporary potato cleaning operation.
MG Urban (Ur) - Nobleford
MG: Dev – TR. Highway 2-3 Interchange W of Ft. MacLeod
MG (Dev-AG) Lethbridge Agriculture Research Stn.
MG Industrial - Confined Feeding Operation; Dev-CFO
MG: Dev – CFO. Dryland Feeders North of Warner
MG Dev CFO – Lethbridge Research Station Farm
MG Fenced Natural Recovery Wellsite near Turin; Increased litter produces a different spectral signature than outside. However, both in and out are the same site type!
SW of Gleichen; Examples of Different GVI Polygons

Provide estimates of shrub density distribution and height for the different areas noted at 1, 2 and 3.

Provide a tree density distribution and height for the grove of Aspen (A) and isolated trees located to the left of the grove of Aspen noted as “B”.
MG: Colour Infrared; Shrub patterns on N. edge of Milk R. Ridge