

T139N

R98W

SHEET A
SHEET B

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VEGETATION TYPE LEGEND

SERIES	MAP UNIT	TYPE
100		NATIVE GRASSLAND ECOLOGICAL SITES
	SL-WL-Sb	Saline Lowland-Wet Land- Subirrigated (see 501)
	LyOv-Sb-WL	Loamy Overflow-Subirrigated-Wet Land (see 502)
	WL-WM	Wet Land-Wet Meadow (see 502)
	SwCy	Shallow Clayey
	SwLy	Shallow Loamy
	SwSy	Shallow Sandy
	Cp	Claypan
	TCp	Thin Claypan
	Sy	Sandy
	Cy	Clayey
	Ly	Loamy
	LyOv	Loamy Overflow
	LyT	Loamy Terrace
	LyT (occ. CyT)	Loamy Terrace (occasionally Clayey Terrace)
200		TAME PASTURELAND
	201	Tame Pasture
300		WOODLAND
	301	Riparian Woodland
	302	Deciduous Tree Woodland
	303	Tall Shrub Woodland
	304	Low Shrub Woodland
400		SHELTERBELTS
	401	Shelterbelt
500		WETLANDS
	501	Saline Lowland (herbaceous)
	502	Herbaceous Wetland
	503	Scrub-Shrub Wetland
	504	Forested Wetland
600		CROPLAND
	611	Cultivated (annual crops)
	612	Grassed Waterway
	621	Mixed Hay
	622	Grass Hay
	623	Alfalfa Hay
	631	CRP (Conservation Reserve Program)
700		MISCELLANEOUS / DISTURBED
	701	Farm Yard/Residential
	702	Road/ROW
	703	Industrial
	704	Historic Mine
	705	Dump
	706	Developed Water Resources

SOILS LEGEND

AD-AB = Amegard clay loam	LR-B = Lawther silt clay
AR-AB = Amor loam	MG-AB = Manning sandy loam
AR-CD = Amor loam	MN-A = Morton loam
CB-AB = Cabba silt loam	MN-BC = Morton loam
CB-C = Cabba silt loam	MU-A = Moreau silt clay loam
CB-DE = Cabba loam	MU-BC = Moreau silt clay loam
CHAN = River Channels	PL-BC = Parshall sandy loam
DH-A = Dogtooth silt clay loam	PL-DEF = Parshall sandy loam
DH-B = Dogtooth silt clay loam	RR-B = Reeder loam
DM-AB = Dugum silt clay loam	RS-A = Rhoades silt clay
EH-A = Erics Haplustolls-silt loams and silt clay loams	RS-B = Rhoades silt clay
EH-A s/s = Erics Haplustolls (s/s)	RT-AB = Regent silt clay loam
FR-BC = Flasher sandy loam	RT-CD = Regent silt clay loam
FR-DE = Flasher sandy loam	SE-A = Savage silt clay loam
FV-A = Fluvents-silt loams and silt clay loams	SE-B = Savage silt clay loam
FV-A s/s = Fluvents (s/s)	SN-AB = Sen silt loam
GL-A = Graf silt clay loam	SO-A s/s = Shambo loam (s/s)
HL-A = Haverton silt loam	SO-ABC = Shambo loam
HL-A s/s = Haverton (s/s)	TY-ABC = Tally sandy loam
HL-A ch = Haverton (ch)	VR-ABC = Vebor loam
JG-AB = Janesburg silt clay	WN-A = Wayden silt clay loam
LE-A = Lallie silt clay	WN-B = Wayden silt clay
LR-A = Lawther silt clay	WN-CDE = Wayden silt clay

Modifiers: A,B,C,D,E,F = slope classes
ch = channelled
s/s = saline sodic substratum

SHEET A
SHEET C

REFERENCES

Study Area: Golder, 10/18/2007.
 Permit Boundary: IEI, 11/12/2009.
 Soils: Catena, 11/06/2007.
 Township, Range and Section: ND HUB, 6/20/2006.
 Projection: StatePlane, North Dakota South, NAD27, Feet.

LEGEND

- Study Area
- Permit Boundary
- Vegetation Type Boundary
- Vegetation Sample Site
- Soil Type Boundary
- Ecological Site Boundary (100)
- Township and Range Section

Vegetation Series	Color
100	Light Green
200	Yellow-Green
300	Light Blue
400	Light Purple
500	Light Orange
600	Light Yellow
700	Light Grey

SCALE 1"=500'
 IF PRINTED AT 34 IN. X 44 IN.

WESTECH
 SOUTH HEART COAL LLC
 SOUTH HEART LIGHT MINE
 STARK COUNTY, NORTH DAKOTA

VEGETATION MAP
 SHEET 1 OF 3

Ex 2.7.2-1A