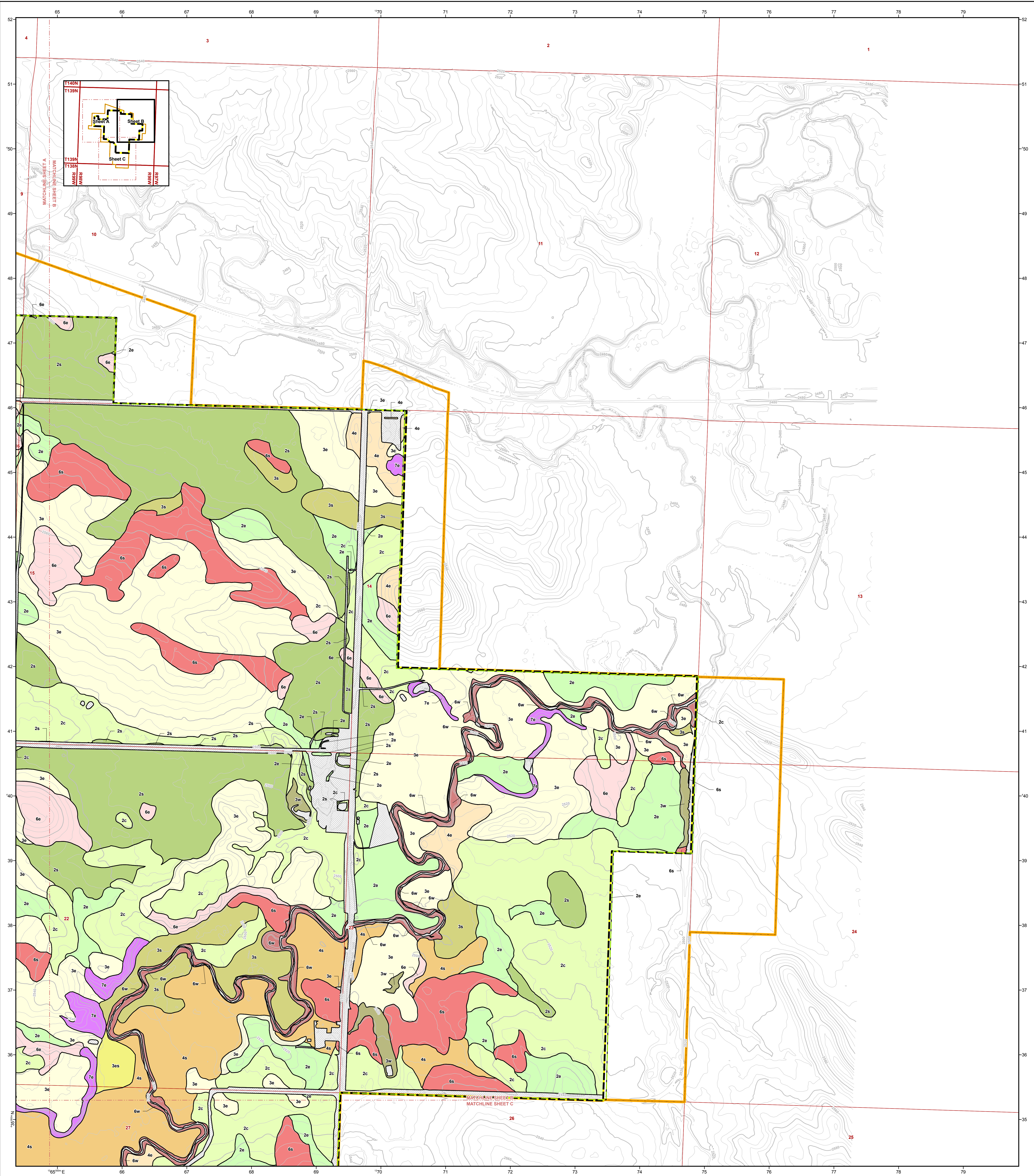




LEGEND

- Permit Boundary
- Study Area
- Township and Range
- Section
- Index Contour - 20 Ft Interval
- Contours - 5 Ft Interval

Land Capability Classifications:

- Water & Misc Areas (unclassified)
- 2c
- 2e
- 2s
- 3e
- 3es
- 3s
- 3w
- 4e
- 4s
- 6e
- 6es
- 6s
- 6w
- 7e

NOTES :

The LCC includes eight classes of land designated by Numbers 1 (I) through 8 (VIII) and four subclasses which signify special limitations such as (e) erosion, (w) excess wetness, (s) problems in the rooting zone, and (c) climatic limitations. The first four classes are arable land in which the limitations on their use and necessity of conservation measures and careful management increase from 1 (I) through 4 (IV). The criteria for placing a given area in a particular class involve the landscape location, slope of the field, depth, texture, and reaction of the soil. The remaining four classes, 5 (V) through 8 (VIII), are not to be used for cropland, but may have uses for pasture, range, woodland, grazing, wildlife, recreation, and esthetic purposes.

See Table 2.7.1-9 for summary of acreages by the land capability classifications within the Permit Boundary.

REFERENCE

Permit Boundary: IEL 11/12/2009
Study Area: Golder, 4/27/2007
Township, Range, and Sections: ND HUB, 6/20/2006
Roads, Railroad, Drainage Ways: Digitized from aerial photography, 6/19/2006
Contours: Generated from aerial photography stereo pairs, 6/19/2006
Projection: StatePlane, North Dakota South, NAD27, Feet.

500 250 0 500
SCALE 1:6,000 1 IN = 500 FT
IF PRINTED AT 34 IN X 44 IN

REV	DATE	DESCRIPTION	BY	CHKD	APPD
1	06/19/2006	Initial			
2	06/19/2006	Revised			
3	06/19/2006	Revised			
4	06/19/2006	Revised			
5	06/19/2006	Revised			
6	06/19/2006	Revised			
7	06/19/2006	Revised			
8	06/19/2006	Revised			
9	06/19/2006	Revised			
10	06/19/2006	Revised			
11	06/19/2006	Revised			
12	06/19/2006	Revised			
13	06/19/2006	Revised			
14	06/19/2006	Revised			
15	06/19/2006	Revised			
16	06/19/2006	Revised			
17	06/19/2006	Revised			
18	06/19/2006	Revised			
19	06/19/2006	Revised			
20	06/19/2006	Revised			
21	06/19/2006	Revised			
22	06/19/2006	Revised			
23	06/19/2006	Revised			
24	06/19/2006	Revised			
25	06/19/2006	Revised			
26	06/19/2006	Revised			
27	06/19/2006	Revised			
28	06/19/2006	Revised			
29	06/19/2006	Revised			
30	06/19/2006	Revised			
31	06/19/2006	Revised			
32	06/19/2006	Revised			
33	06/19/2006	Revised			
34	06/19/2006	Revised			
35	06/19/2006	Revised			
36	06/19/2006	Revised			
37	06/19/2006	Revised			
38	06/19/2006	Revised			
39	06/19/2006	Revised			
40	06/19/2006	Revised			
41	06/19/2006	Revised			
42	06/19/2006	Revised			
43	06/19/2006	Revised			
44	06/19/2006	Revised			
45	06/19/2006	Revised			
46	06/19/2006	Revised			
47	06/19/2006	Revised			
48	06/19/2006	Revised			
49	06/19/2006	Revised			
50	06/19/2006	Revised			
51	06/19/2006	Revised			
52	06/19/2006	Revised			

CATENA
SOUTH HEART COAL LLC
SOUTH HEART Lignite Mine
SOUTH HEART, NORTH DAKOTA
PREMINE LAND CAPABILITY
CLASSIFICATION MAP
(SHEET 2 OF 3)
FIG 2.7.1-3B