

LEGEND

- STUDY AREA
- PERMIT BOUNDARY
- MINE PIT BOUNDARY
- HT BUTTE BOTTOM COAL STRUCTURE CONTOUR (INTERVAL = 20 FT)
- BOREHOLE/WELL LOCATION AND HT BUTTE COAL THICKNESS (FEET ABOVE MEAN SEA LEVEL)
- INCREASED WEATHERING AREA
- SECTION
- TOWNSHIP & RANGE

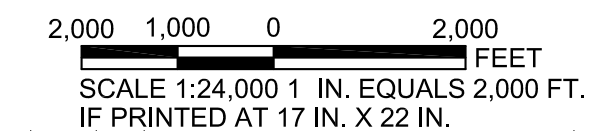
REFERENCE

Study Area: Golder 10/18/2007
 Permit Boundary: Norwest, 11/12/2009.
 Mine Pit Boundary: Norwest, 01/20/2010.
 Coal Seam Thickness, Outcrop, Subcrop, Increased Weathering Area: Norwest, 06/02/2008.
 Township, Range and Section: ND HUB, 6/20/2006.
 Projection: StatePlane, North Dakota South, NAD27, Feet.

NOTES

These were created as part of the geologic model for the mine plan. Contours are based on inverse distance squared and triangulation calculations and have occasional contouring breaks.

HT Butte Coal not encountered in every borehole shown on figure.



REV	DATE	DES	COMPLETENESS	COMMENT	EGM	RTD	JRH
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PROJECT SOUTH HEART COAL LLC
 SOUTH HEART LIGNITE MINE
 SOUTH HEART, NORTH DAKOTA



NORWEST CORPORATION			PROJECT No.	4284-01-400	FILE No.	HT Seam THK & ELV.dwg			
			DESIGN	EGM	03/11/08	SCALE	AS NOTED	REV.	1
			CADD	EGM	01/22/10				
			CHECK	RTD	02/10/10				
			REVIEW	JRH	02/15/10				

Figure 2.3-11

