



LEGEND

--- PERMIT BOUNDARY	■ > 15 PERCENT	33.0 ACRES
--- MINE PIT BOUNDARY	■ 12 TO 15 PERCENT	38.7 ACRES
--- DRAINAGE WAY	■ 9 TO 12 PERCENT	79.5 ACRES
--- TOPOGRAPHY (10 FT. INTERVALS)	■ 6 TO 9 PERCENT	262.3 ACRES
--- TOPOGRAPHY INDEX (25 FT. INTERVALS)	■ 3 TO 6 PERCENT	1352.1 ACRES
--- TOWNSHIP AND RANGE	■ 0 TO 3 PERCENT	2815.8 ACRES
--- SECTION		4581.4 ACRES

REFERENCE
 Permit Boundary, Norwest, 11/20/2009.
 Mine Pit Boundary, Norwest, 01/20/2010.
 Township, Range and Section, ND HUB, 6/20/2008.
 Drainage Ways, Digitized from aerial photography, 06/19/2007.
 Contours, Generated from aerial photography stereo pairs, 06/19/2007.
 Post Mining Contours Generated from Carlson Mining 01/25/2010.
 Projection: StatePlane, North Dakota South, NAD27, Feet.

1,000 500 0 1,000
 FEET
 SCALE 1:12,000 1 IN. EQUALS 1,000 FT.
 IF PRINTED AT 36 IN. X 48 IN.

DATE	DESCRIPTION	BY
06/19/2007	DRAINAGE WAYS	AS
06/19/2007	CONTOURS	AS
01/20/2010	MINE PIT BOUNDARY	AS
11/20/2009	PERMIT BOUNDARY	AS

PROJECT: SOUTH HEART COAL LLC
 SOUTH HEART LIGNITE MINE
 SOUTH HEART, NORTH DAKOTA

POST-MINING SLOPE MAP

NORWEST CORPORATION

Figure 4.1-9