

LEGEND

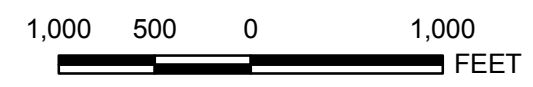
- Shallow Overburden Boreholes and Ground Surface Elevation (Feet above mean sea level)
- SOSH-12 2550 Boreholes with Geochemical Analyses Performed
 - SOSH-34 2584 Boreholes without Geochemical Analyses (Not Performed Based on Field Observations)
 - Shallow Overburden Study Area
 - Permit Boundary
 - Mine Pit Boundary
 - Township and Range
 - Section
 - Railroad
 - Paved Road
 - Unpaved Road
 - Drainage Way
 - Index Contour - 100 Ft Interval
 - Contour - 20 Ft Interval

NOTE

Shallow Overburden Borehole surface elevation calculated from digital elevation model with 2.5 foot vertical accuracy.

REFERENCE

Permit Boundary: IEI, 11/12/2009.
 Mine Pit Boundary: Norwest, 01/20/2010.
 Shallow Overburden Study Area, 12/13/2007
 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.
 USGS 7.5' Topographic Quadrangles drawn from TOPO!: Belfield SE, South Heart.
 Projection: StatePlane, North Dakota South, NAD27, Feet.



SCALE 1:12,000 1 IN = 1,000 FT
 IF PRINTED AT 17 IN X 22 IN

REV	DATE	DES	REVISION DESCRIPTION	GIS	CHK	RVW

PROJECT

**SOUTH HEART COAL LLC
 SOUTH HEART LIGNITE MINE
 SOUTH HEART, NORTH DAKOTA**

TITLE

SHALLOW OVERBURDEN BOREHOLES

PROJECT NO.	083-2212A	FILE	SH_ShallowBoreholes.mxd
DESIGN	AJR	04/28/2008	SCALE AS SHOWN
GIS	AJR	02/17/2010	REV. 0
CHECK	SAH	02/23/2010	
REVIEW	EJP	02/26/2010	

Golder Associates
 Denver, Colorado

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