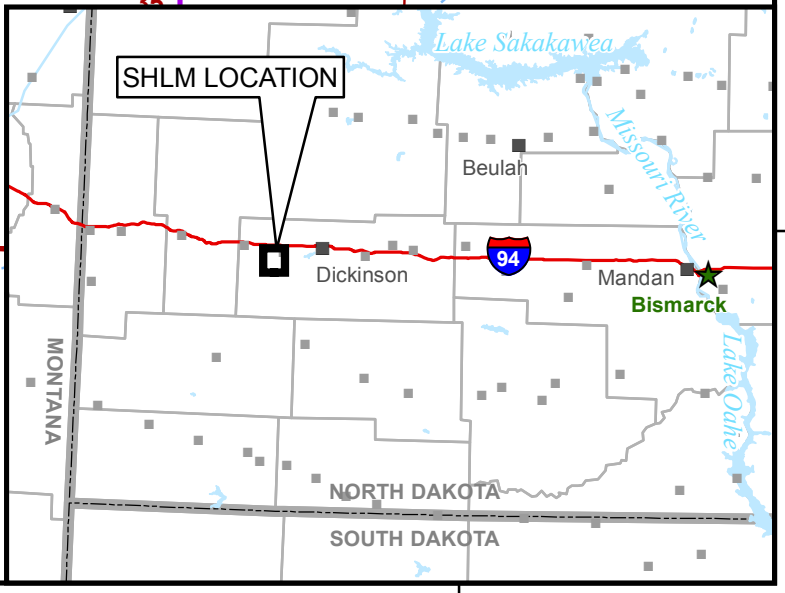
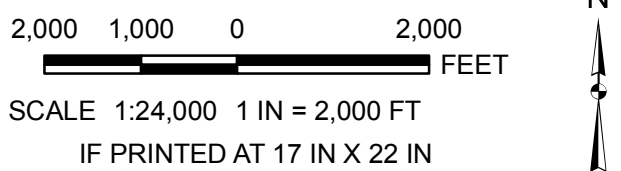


LEGEND

- Permit Boundary
- Mine Pit Boundary
- Geology Study Area
- Lithostratigraphic Contact
- Approximate Lithostratigraphic Contact
- Inferred Lithostratigraphic Contact
- Geologic Map Unit (See Sheets B, C and D for Descriptions)
 - Qf
 - Qal
 - Qoa
 - QTg
 - QTc
 - Tgv
 - Tsb
- Detailed Map Sheet Limits
- Township and Range
- Section
- Railroad
- Paved Road
- Unpaved Road
- Drainage Way

REFERENCE

Study Area: Golder, 10/18/2007.
 Permit Boundary: IEI: 11/12/2009.
 Mine Pit Boundary: Norwest, 1/20/2010.
 Township Range and Section: ND HUB, 6/20/2006.
 Roads, Railroad, Drainage Ways: Digitized from aerial photography, 6/19/2006.
 Projection: StatePlane, North Dakota South, NAD27, Feet.



REV	DATE	DES	REVISION DESCRIPTION	GIS	CHK	RWV

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

TITLE: **OVERVIEW OF GEOLOGY STUDY AREA**

PROJECT NO.	083-2212A	FILE	SH_GeologyOverview.mxd
DESIGN	AJR	DATE	01/18/2010
SCALE	AS SHOWN	REV.	0
GIS	AJR	DATE	01/18/2010
CHECK	SAH	DATE	01/18/2010
REVIEW	RLK	DATE	01/18/2010

FIG 2.3-2A