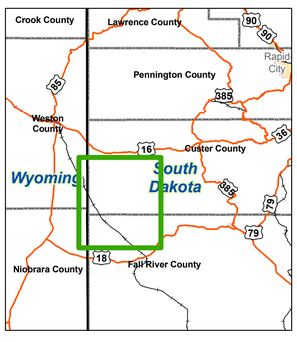
Weston County
Custer County
Dewey Fault Zone
Weston County
Niobrara County
Fall River County
Custer County
Fall River County
Long Mountain Structural Zone
Niobrara County

Legend

Surface Geology

- Quaternary Alluvium
- Cretaceous Fall River
- Cretaceous Lakota
- Jurassic Morrison
- Jurassic Unkpapa/Sundance

- TVA Data (historic drill holes)
- Breccia pipe or collapse structure in Inyan Kara Group or Morrison Formation
- Breccia pipe or collapse structure in Minnelusa Formation
- Breccia pipe or collapse structure in Spearfish Formation, Minnekahta Limestone, or Opeche Formation
- Breccia pipe or collapse structure in Sundance Formation
- Anticline
- Fault
- Monocline
- Proposed Permit Boundary



N

Feet
0 1,500 3,000 6,000 9,000 12,000
0 500 1,000 2,000 3,000
Meters

Breccia pipes, faults, anticlines, and monocline representations taken from:
Stratigraphy of the Inyan Kara Group and Localization of Uranium Deposits, Southern Black Hills, South Dakota and Wyoming, Geological Survey Professional Paper 763, prepared by Garland B. Gott, Don E. Wolcott and C. Gilbert Bowles, US Government Printing Office, 1974.

CONSULTANT

REVISIONS

#	DRAWN	CHECKED	APPROVED	DATE
3	S. Hetrick	Bonner / Lichnovsky	R. Clement / J. Mays	29-Jun-2009
2	S. Hetrick	Thurlkill / Blubaugh	R. Clement	25-Jun-2009
1	S. Hetrick	Thurlkill / Blubaugh	A. Thurlkill	22-Jun-2009

REF 489

CHECK SCALES
If this bar does not measure 1 inch this map is not at its original scale

Arch E 36" x 48"

PLOT DATE 24-Nov-2009 DATE 05-Jun-2009
DRAWN S. Hetrick CHECKED W. Mays
SCALE 1" = 3000' FILENAME P:\Dewey-Burdock\Maps\DB-PP763Tectonic.mxd

POWERTECH (USA) INC.

Exhibit 6-1

Location of Breccia pipe or collapse structure Southern Black Hills, South Dakota

PROJECT Dewey-Burdock Project
COORDS NAD 27, State Plane South Dakota South (feet)
OF