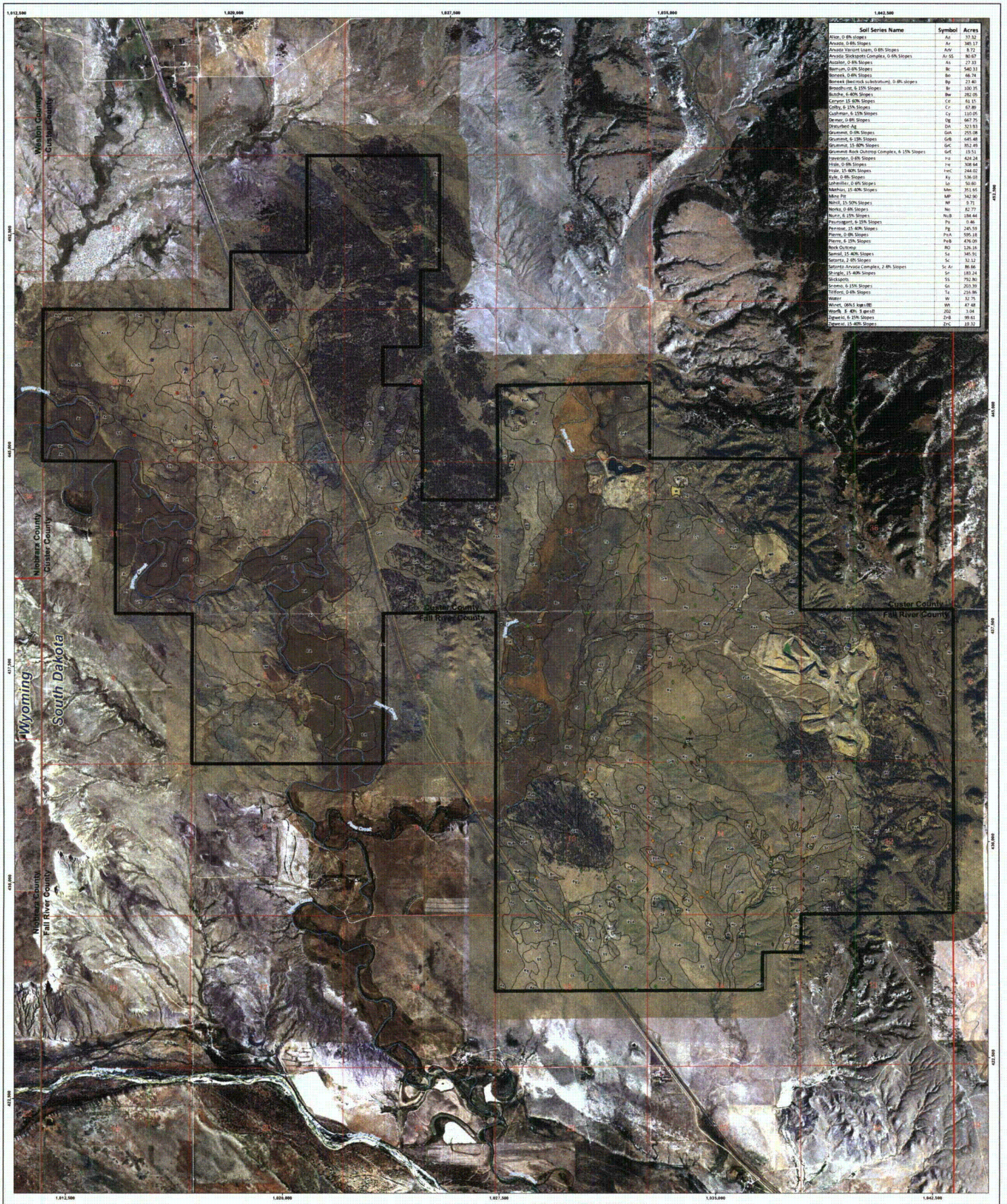

Soil Series Name	Symbol	Acres
Alice, 0-6% slopes	Aa	37.32
Arvada, 0-6% Slopes	Ar	345.17
Arvada Variant Loam, 0-6% Slopes	ArV	8.72
Arvada Slickspots Complex, 0-6% Slopes	Ar SS	80.67
Ascalon, 0-6% Slopes	As	27.33
Barnum, 0-6% Slopes	Bc	540.33
Boneek, 0-6% Slopes	Bo	66.74
Boneek (bedrock substratum), 0-6% slopes	Bp	23.40
Broadhurst, 6-15% Slopes	Br	100.35
Butche, 6-40% Slopes	Bw	282.05
Canyon 15-60% Slopes	Cd	61.15
Colby, 6-15% Slopes	Cr	67.89
Cushman, 6-15% Slopes	Cy	110.05
Demar, 0-6% Slopes	Dg	667.75
Disturbed Ag	DA	323.93
Grummit, 0-6% Slopes	GrA	255.08
Grummit, 6-15% Slopes	GrB	645.48
Grummit, 15-60% Slopes	GrC	852.49
Grummit Rock Outcrop Complex, 6-15% Slopes	GrE	19.51
Haverson, 0-6% Slopes	Ha	424.24
Hisle, 0-6% Slopes	He	308.64
Hisle, 15-60% Slopes	HeC	244.02
Kyle, 0-6% Slopes	Ky	536.03
Lohmiller, 0-6% Slopes	Lo	50.60
Mathias, 15-40% Slopes	Mm	351.65
Mine Pit	MP	342.90
Nihill, 15-50% Slopes	NF	9.71
Norka, 0-6% Slopes	No	82.77
Nunn, 6-15% Slopes	NuB	184.44
Paunsagant, 6-15% Slopes	Pa	0.46
Penrose, 15-40% Slopes	Pg	245.59
Pierre, 0-6% Slopes	PeA	595.18
Pierre, 6-15% Slopes	PeB	476.09
Rock Outcrop	RO	126.16
Samsil, 15-40% Slopes	Sa	345.91
Satanta, 2-6% Slopes	Sc	32.12
Satanta-Arvada Complex, 2-6% Slopes	Sc Ar	86.66
Shingle, 15-40% Slopes	Sn	183.24
Slickspots	SS	792.80
Snomo, 6-15% Slopes	Gs	203.39
Tillford, 0-6% Slopes	Ta	216.86
Water	W	32.75
Winet, 06%S lopes	Wt	47.48
Worth, 6-40% Slopes	202	3.04
Zigweid, 6-15% Slopes	ZnB	99.61
Zigweid, 15-40% Slopes	ZnC	19.32

Legend

- Project Boundary
- Ephemeral Streams
- Perennial Streams
- Soil Map Units

Sampling

- 9/17/2007 - Soil Sample Collected
- 9/18/2007 - Soil Sample Collected
- 9/19/2007 - Soil Sample Collected
- 9/20/2007 - Soil Sample Collected
- 10/14/2008 - Soil Sample Collected
- 7/6/2008 - LAD Soil Sample Collected
- 7/6/2008 - LAD Soil Sample Collected
- 7/14/2008 - LAD Soil Sample Collected
- 7/15/2008 - LAD Soil Sample Collected
- 9/17/2007 - Soil Verification Points
- 9/18/2007 - Soil Verification Points
- 9/19/2007 - Soil Verification Points

N

Feet
0 500 1,000 2,000 3,000 4,000
0 250 500 1,000
Meters

REVISIONS				
#	DRAWN	CHECKED	APPROVED	DATE

POWERTECH (USA) INC.

Plate 3.2-1

Soil Map

Dewey-Burdock Project

REV 810			
DATE 05-Mar-2012	DATE 03-Dec-2011		
DRAWN S. Hetrick, BKS	SHEET Plate 3.2-1_Soil Map.pdf		COORD NAD 27, South Dakota State Plane South (feet)
CHECKED J. Mays	SCALE P:\Dewey-Burdock\Submittals\Groundwater Discharge Permit\SoilMap.mxd		