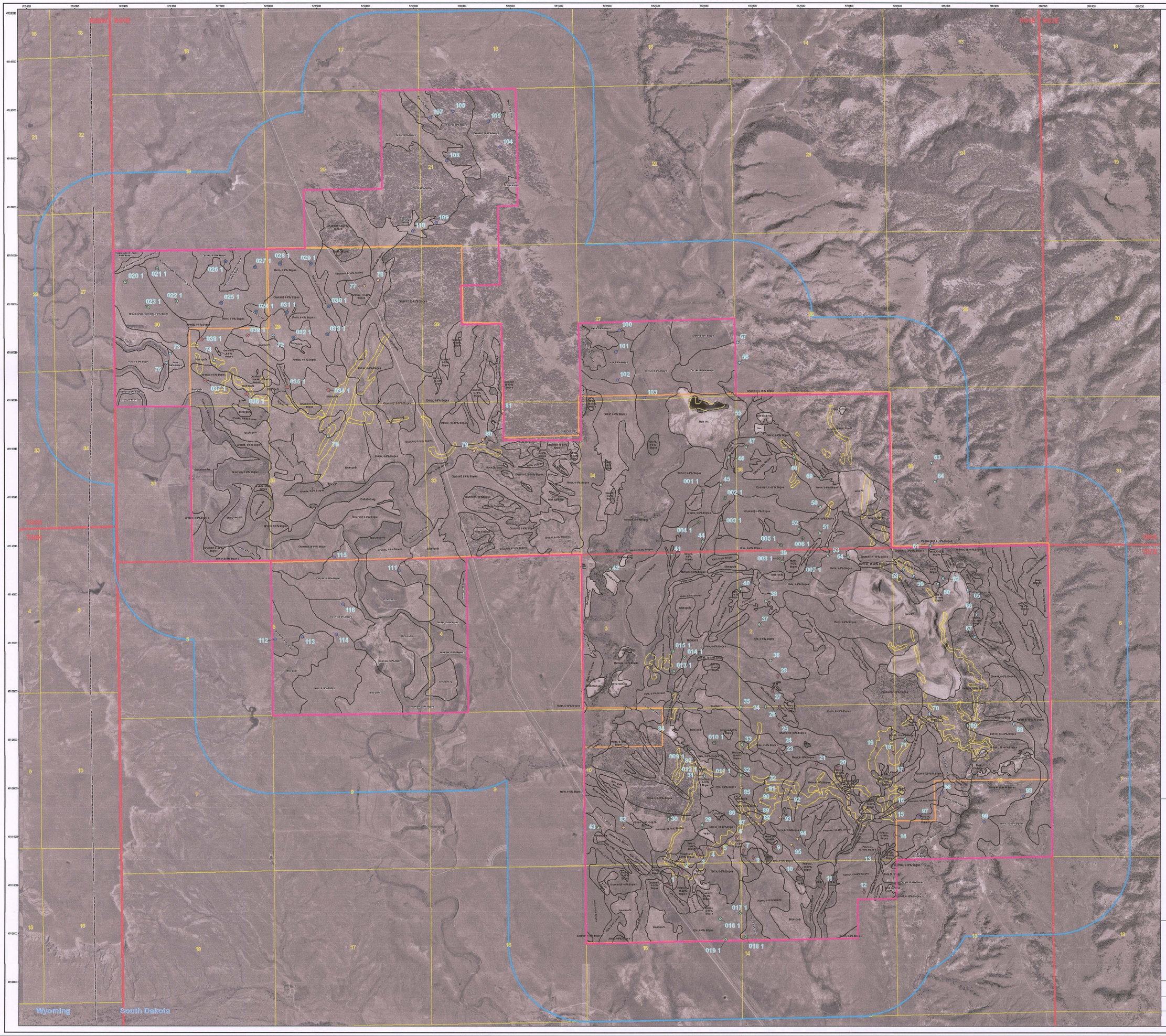


# Legend

| Soils within Project Boundary | | | |
|---|---|---|---|
| Soil Series Name | Acres | Soil Series Name | Acres |
| Alice, 0-6% Slopes | 37.22 | Lohmiller, 0-6% Slopes | 30.60 |
| Arvada Variant,Loam, 0-6% Slopes | 3.72 | Martinez, 15-40% Slopes | 191.69 |
| Arvada, 0-6% Slopes | 345.17 | Mine Pit | 142.93 |
| Arvada-Stickney Complex, 0-6% Slopes | 30.67 | Nihill, 15-50% Slopes | 9.71 |
| Alcester, 0-6% Slopes | 27.33 | Norka, 0-6% Slopes | 82.79 |
| Barnum, 0-6% Slopes | 377.51 | Nunn, 0-2% Slopes | 184.44 |
| Bonwit,Heavy Substratum, 0-6% Slopes | 33.40 | Pearmagen, 6-15% Slopes | 0.48 |
| Bonwit, 0-6% Slopes | 66.74 | Penroze, 15-40% Slopes | 240.60 |
| Broadhurst, 6-15% Slopes | 100.39 | Pierre, 0-6% Slopes | 595.18 |
| Butte, 0-6% Slopes | 232.05 | Pierre, 6-25% Slopes | 476.10 |
| Canyon 15-40% Slopes | 81.13 | Rock Outcrop | 126.18 |
| Colby, 6-25% Slopes | 47.89 | Samsil, 15-40% Slopes | 245.95 |
| Cushman, 6-15% Slopes | 110.06 | Satanta, 2-6% Slopes | 93.13 |
| Dermal, 0-6% Slopes | 667.76 | Satanta-Alvada Complex, 2-6% Slopes | 38.68 |
| Disturbed-Ag | 333.98 | Shingle, 15-40% Slopes | 195.14 |
| Drummond, 0-6% Slopes | 255.08 | Stickney | 792.80 |
| Drummond, 15-50% Slopes | 832.49 | Stoneng, 6-15% Slopes | 203.40 |
| Drummond, 6-15% Slopes | 645.49 | Thirtyone, 0-6% Slopes | 179.88 |
| Drummond-Rock Outcrop Complex, 6-25% Slopes | 18.51 | Water | 32.73 |
| Heimdal, 0-6% Slopes | 434.34 | Weiland, 0-6% Slopes | 47.48 |
| Hilea, 0-6% Slopes | 308.64 | Worfka, 15-40% Slopes | 3.04 |
| Hilea, 15-40% Slopes | 244.02 | Zigweid, 15-40% Slopes | 18.52 |
| Kyle Clay, 0-6% Slopes | 38.89 | Zigweid, 6-25% Slopes | 30.50 |
| Kyle, 0-6% Slopes | 498.14 | Zigweid-Nihill Complex, 6-15% Slopes | 9.11 |

- 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
- 7/8/2008 - LAD Soil Sample Collected
- 7/9/2008 - 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
- Soil Map Units
- Ore Bodies
- Project Boundary
- Project Boundary 1/2 Mi Buffer
- Project Boundary for Field Survey
- Sections
- TWNSHPS
- State Boundary

N

0 0.125 0.25 0.5
Miles

NAD - 1983 UTM, Zone 13N

1 inch equals 1,050 feet

PLATE 3.3-14

## Soil Map

**Dewey-Burdock Project**
**South Dakota**

D-18

BKS Environmental Associates, Inc.

| | | |
|---|---|---|
| Created By: | BKS Environmental - Tracy Spelts | Plate |
| Date: | 11/11/08 | 2.6-15 |
| Map File: | DeweyBurdock_Soil_map_v8_11112008.mxd | |