A Level III Cultural Resources Evaluation of Powertech (USA) Incorporated's Proposed Dewey-Burdock Uranium Project Locality within the Southern Black Hills, Custer and Fall River Counties, South Dakota

Black Hills Archaeological Region

SHPO R&C No.:

Volume III:
Cultural Resources Report

Jason M. Kruse, Timothy V. Gillen, John R. Bozell,
Linda Palmer, and Austin A. Buhta

L. Adrien Hannus
(Principal Investigator)

March, 2008

Archeological Contract Series Number 216

Prepared by:
Archeology Laboratory
Augustana College
2032 South Grange Avenue
Sioux Falls, South Dakota 57105

Prepared for:
Powertech (USA)
Incorporated
6200 South Troy Circle, Suite 150
Centennial, Colorado 80111

ABSTRACT

A Level III cultural resources evaluation was conducted in the Black Hills Archaeological Region for Powertech (USA) Incorporated, Centennial, Colorado. Personnel from the Archeology Laboratory, Augustana College, Sioux Falls, South Dakota conducted on-the-ground field investigations between April 17 and August 3, 2007. The Area of Potential Effect consists of approximately 10,310.97 acres of land associated with the proposed Dewey-Burdock Uranium Project in the southern Black Hills, Custer and Fall River counties, South Dakota. One hundred sixty-one archeological sites were documented and 29 previously recorded archeological sites were revisited during the current investigation. Additionally, five standing structures and one bridge structure were documented. It is recommended that 97 archeological sites and two standing structures be considered not eligible for listing on the National Register of Historic Places. No further work is recommended for these properties. As are all railroads in South Dakota, sites 39CU2000 and 39FA2000 are eligible for listing on the National Register of Historic Places. However, the extant, active segments of sites 39CU2000, and 39FA2000 within the project area will not be impacted as a result of the currently proposed undertaking. No further work is recommended for these sites. It has been determined by the South Dakota State Historic Preservation Office that archeological site 39CU271 and standing structures CU02500002, CU02500003, and CU02500004 are eligible for listing on the National Register of Historic Places. Avoidance of these properties is recommended. In the event that avoidance is not possible, intensive documentation and mitigative excavations are recommended for these properties. The National Register eligibility status of the remaining 87 archeological sites and the bridge structure could not be definitively ascertained within the scope of this Level III evaluation. Additional evaluation is recommended for these sites in a phased approach as the project develops. Documentation of the bridge structure has been provided herein for evaluation by a qualified Architectural Historian.

TABLE OF CONTENTS

Volume I (Cultural Resources Report) **Page**

Abstract ii
List of Tables xxiii
List of Figures xxviii

Chapter 1: Project Overview 1.1
1.1 Description and Objectives of Investigation 1.1
1.2 Project Area of Potential Effect 1.2
1.3 Personnel and Procedures 1.3
1.4 Report Framework and Organization 1.3
1.4.1 Cultural Resources Report (Volumes I-III) 1.4
1.4.2 Appendices (Volumes IV and V) 1.5

Chapter 2: Environmental Context 2.1
2.1 Landscape Composition 2.1
2.1.1 Black Hills Physiography 2.1
2.1.2 Black Hills Geology 2.2
2.1.3 Pedology 2.4
2.1.4 Hydrography 2.5
2.2 Regional Climate 2.6
2.3 Ecosystems 2.7
2.3.1 Flora 2.8
2.3.2 Fauna 2.11
2.4 Paleoenvironment 2.13

Chapter 3: Cultural Context 3.1
3.1 Culture History Overview 3.1
3.1.1 Paleoindian Period (ca. 11,500-8,000 B.P.) 3.3
3.1.2 Plains Archaic Period (ca. 8,500-2,500 B.P.) 3.4
3.1.3 Plains Woodland Period (ca. 2,500-1,000 B.P.) 3.5
3.1.4 Late Prehistoric/Plains Village Period (ca. 1,500-300 B.P.) 3.7
3.1.5 Protohistoric Period (ca. 300-150 B.P.) 3.8
3.1.6 Historic/Euroamerican Period (ca. 150 B.P.-Present) 3.9

Chapter 4: Research Design and Methodology 4.1
4.1 Identification and Evaluation of Prior Work and Documentation 4.1
4.1.1 Black Hills Archaeological Region 4.8
4.2 Project Objectives 4.9
4.3 Fieldwork Methodology and Implementation 4.10
4.4 Data Recordation Procedures 4.16
4.5 Laboratory Analysis, Cataloging, and Curation Methodology 4.17

TABLE OF CONTENTS CONTINUED

Volume I (Cultural Resources Report) **Page**

Chapter 5: Custer County Cultural Resources Inventory and NRHP Recommendations 5.1
5.1 Overview 5.1
5.2 Site 39CU251 ..... 5.5
5.2.1 Site Description 5.5
5.2.2 Artifact and Feature Inventory 5.7
5.2.3 Interpretation and Recommendations 5.9
5.3 Site 39CU271 ..... 5.9
5.3.1 Site Description 5.9
5.3.2 Artifact and Feature Inventory 5.26
5.3.3 Interpretation and Recommendations 5.36
5.4 Site 39CU451 ..... 5.38
5.4.1 Site Description 5.38
5.4.2 Artifact and Feature Inventory 5.40
5.4.3 Interpretation and Recommendations 5.40
5.5 Site 39CU459 ..... 5.41
5.5.1 Site Description 5.41
5.5.2 Artifact and Feature Inventory 5.43
5.5.3 Interpretation and Recommendations 5.46
5.6 Site 39CU460 ..... 5.48
5.6.1 Site Description 5.48
5.6.2 Artifact and Feature Inventory 5.50
5.6.3 Interpretation and Recommendations 5.51
5.7 Site 39CU463 ..... 5.51
5.7.1 Site Description 5.51
5.7.2 Artifact and Feature Inventory 5.53
5.7.3 Interpretation and Recommendations 5.53
5.8 Site 39CU464 ..... 5.54
5.8.1 Site Description 5.54
5.8.2 Artifact and Feature Inventory 5.56
5.8.3 Interpretation and Recommendations 5.56
5.9 Site 39CU530 ..... 5.56
5.9.1 Site Description 5.56
5.9.2 Artifact and Feature Inventory 5.59
5.9.3 Interpretation and Recommendations 5.65
5.10 Site 39CU531 ..... 5.66
5.10.1 Site Description 5.66
5.10.2 Artifact and Feature Inventory 5.68
5.10.3 Interpretation and Recommendations 5.69
5.11 Site 39CU532 ..... 5.69
5.11.1 Site Description 5.69
5.11.2 Artifact and Feature Inventory 5.69
5.11.3 Interpretation and Recommendations 5.72

TABLE OF CONTENTS CONTINUED

Volume I (Cultural Resources Report) **Page**

5.12 Site 39CU556 ..... 5.72
5.12.1 Site Description 5.72
5.12.2 Artifact and Feature Inventory 5.74
5.12.3 Interpretation and Recommendations 5.74
5.13 Site 39CU557 ..... 5.75
5.13.1 Site Description 5.75
5.13.2 Artifact and Feature Inventory 5.78
5.13.3 Interpretation and Recommendations 5.81
5.14 Site 39CU559 ..... 5.82
5.14.1 Site Description 5.82
5.14.2 Artifact and Feature Inventory 5.84
5.14.3 Interpretation and Recommendations 5.85
5.15 Site 39CU648 ..... 5.86
5.15.1 Site Description 5.86
5.15.2 Artifact and Feature Inventory 5.88
5.15.3 Interpretation and Recommendations 5.89
5.16 Site 39CU2000 ..... 5.89
5.16.1 Site Description 5.89
5.16.2 Historic Background 5.90
5.16.3 Interpretation and Recommendations 5.91
5.17 Site 39CU3561 ..... 5.92
5.17.1 Site Description 5.92
5.17.2 Artifact and Feature Inventory 5.92
5.17.3 Interpretation and Recommendations 5.92
5.18 Site 39CU3562 ..... 5.94
5.18.1 Site Description 5.94
5.18.2 Artifact and Feature Inventory 5.94
5.18.3 Interpretation and Recommendations 5.97
5.19 Site 39CU3563 ..... 5.97
5.19.1 Site Description 5.97
5.19.2 Artifact and Feature Inventory 5.97
5.19.3 Interpretation and Recommendations 5.99
5.20 Site 39CU3564 ..... 5.100
5.20.1 Site Description 5.100
5.20.2 Artifact and Feature Inventory 5.102
5.20.3 Interpretation and Recommendations 5.102
5.21 Site 39CU3565 ..... 5.104
5.21.1 Site Description 5.104
5.21.2 Artifact and Feature Inventory 5.104
5.21.3 Interpretation and Recommendations 5.106
5.22 Site 39CU3566 ..... 5.107
5.22.1 Site Description 5.107
5.22.2 Artifact and Feature Inventory 5.107
5.22.3 Interpretation and Recommendations 5.110

TABLE OF CONTENTS CONTINUED

Volume I (Cultural Resources Report) **Page**

5.23 Site 39CU3567 ..... 5.111
5.23.1 Site Description 5.111
5.23.2 Artifact and Feature Inventory 5.113
5.23.3 Interpretation and Recommendations 5.115
5.24 Site 39CU3568 ..... 5.116
5.24.1 Site Description 5.116
5.24.2 Artifact and Feature Inventory 5.118
5.24.3 Interpretation and Recommendations 5.118
5.25 Site 39CU3569 ..... 5.118
5.25.1 Site Description 5.118
5.25.2 Artifact and Feature Inventory 5.120
5.25.3 Interpretation and Recommendations 5.120
5.26 Site 39CU3570 ..... 5.121
5.26.1 Site Description 5.121
5.26.2 Artifact and Feature Inventory 5.121
5.26.3 Interpretation and Recommendations 5.123
5.27 Site 39CU3571 ..... 5.124
5.27.1 Site Description 5.124
5.27.2 Artifact and Feature Inventory 5.124
5.27.3 Interpretation and Recommendations 5.126
5.28 Site 39CU3572 ..... 5.126
5.28.1 Site Description 5.126
5.28.2 Artifact and Feature Inventory 5.128
5.28.3 Interpretation and Recommendations 5.133
5.29 Site 39CU3573 ..... 5.134
5.29.1 Site Description 5.134
5.29.2 Artifact and Feature Inventory 5.136
5.29.3 Interpretation and Recommendations 5.137
5.30 Site 39CU3574 ..... 5.137
5.30.1 Site Description 5.137
5.30.2 Artifact and Feature Inventory 5.137
5.30.3 Interpretation and Recommendations 5.144
5.31 Site 39CU3575 ..... 5.145
5.31.1 Site Description 5.145
5.31.2 Artifact and Feature Inventory 5.147
5.31.3 Interpretation and Recommendations 5.148
5.32 Site 39CU3576 ..... 5.148
5.32.1 Site Description 5.148
5.32.2 Artifact and Feature Inventory 5.148
5.32.3 Interpretation and Recommendations 5.151
5.33 Site 39CU3577 ..... 5.151
5.33.1 Site Description 5.151
5.33.2 Artifact and Feature Inventory 5.151
5.33.3 Interpretation and Recommendations 5.153

TABLE OF CONTENTS CONTINUED

Volume I (Cultural Resources Report) **Page**

5.34 Site 39CU3578 ..... 5.153
5.34.1 Site Description 5.154
5.34.2 Artifact and Feature Inventory 5.154
5.34.3 Interpretation and Recommendations 5.156
5.35 Site 39CU3579 ..... 5.156
5.35.1 Site Description 5.156
5.35.2 Artifact and Feature Inventory 5.158
5.35.3 Interpretation and Recommendations 5.158
5.36 Site 39CU3580 ..... 5.159
5.36.1 Site Description 5.159
5.36.2 Artifact and Feature Inventory 5.159
5.36.3 Interpretation and Recommendations 5.161
5.37 Site 39CU3581 ..... 5.161
5.37.1 Site Description 5.161
5.37.2 Artifact and Feature Inventory 5.163
5.37.3 Interpretation and Recommendations 5.163
5.38 Site 39CU3582 ..... 5.163
5.38.1 Site Description 5.163
5.38.2 Artifact and Feature Inventory 5.163
5.38.3 Interpretation and Recommendations 5.165
5.39 Site 39CU3583 ..... 5.166
5.39.1 Site Description 5.166
5.39.2 Artifact and Feature Inventory 5.169
5.39.3 Interpretation and Recommendations 5.172
5.40 Site 39CU3584 ..... 5.173
5.40.1 Site Description 5.173
5.40.2 Artifact and Feature Inventory 5.176
5.40.3 Interpretation and Recommendations 5.178
5.41 Site 39CU3585 ..... 5.179
5.41.1 Site Description 5.179
5.41.2 Artifact and Feature Inventory 5.181
5.41.3 Interpretation and Recommendations 5.185
5.42 Site 39CU3586 ..... 5.185
5.42.1 Site Description 5.185
5.42.2 Artifact and Feature Inventory 5.187
5.42.3 Interpretation and Recommendations 5.187
5.43 Site 39CU3587 ..... 5.188
5.43.1 Site Description 5.188
5.43.2 Artifact and Feature Inventory 5.190
5.43.3 Interpretation and Recommendations 5.193
5.44 Site 39CU3588 ..... 5.193
5.44.1 Site Description 5.193
5.44.2 Artifact and Feature Inventory 5.193
5.44.3 Interpretation and Recommendations 5.195

TABLE OF CONTENTS CONTINUED

Volume I (Cultural Resources Report) **Page**

5.45 Site 39CU3589 ..... 5.196
5.45.1 Site Description 5.196
5.45.2 Artifact and Feature Inventory 5.196
5.45.3 Interpretation and Recommendations 5.198
5.46 Site 39CU3590 ..... 5.198
5.46.1 Site Description 5.198
5.46.2 Artifact and Feature Inventory 5.198
5.46.3 Interpretation and Recommendations 5.200
5.47 Site 39CU3591 ..... 5.201
5.47.1 Site Description 5.201
5.47.2 Artifact and Feature Inventory 5.201
5.47.3 Interpretation and Recommendations 5.201
5.48 Site 39CU3592 ..... 5.203
5.48.1 Site Description 5.203
5.48.2 Artifact and Feature Inventory 5.203
5.48.3 Interpretation and Recommendations 5.205
5.49 Site 39CU3593 ..... 5.205
5.49.1 Site Description 5.206
5.49.2 Artifact and Feature Inventory 5.206
5.49.3 Interpretation and Recommendations 5.208
5.50 Site 39CU3594 ..... 5.209
5.50.1 Site Description 5.209
5.50.2 Artifact and Feature Inventory 5.209
5.50.3 Interpretation and Recommendations 5.211
5.51 Site 39CU3595 ..... 5.212
5.51.1 Site Description 5.212
5.51.2 Artifact and Feature Inventory 5.212
5.51.3 Interpretation and Recommendations 5.214
5.52 Site 39CU3596 ..... 5.214
5.52.1 Site Description 5.214
5.52.2 Artifact and Feature Inventory 5.214
5.52.3 Interpretation and Recommendations 5.216
5.53 Site 39CU3597 ..... 5.217
5.53.1 Site Description 5.217
5.53.2 Artifact and Feature Inventory 5.217
5.53.3 Interpretation and Recommendations 5.219
5.54 Site 39CU3598 ..... 5.219
5.54.1 Site Description 5.219
5.54.2 Artifact and Feature Inventory 5.219
5.54.3 Interpretation and Recommendations 5.225
5.55 Site 39CU3599 ..... 5.225
5.55.1 Site Description 5.225
5.55.2 Artifact and Feature Inventory 5.227
5.55.3 Interpretation and Recommendations 5.230

TABLE OF CONTENTS CONTINUED

Volume II (Cultural Resources Report) **Page**

5.56 Site 39CU3600 ..... 5.233
5.56.1 Site Description 5.233
5.56.2 Artifact and Feature Inventory 5.235
5.56.3 Interpretation and Recommendations 5.238
5.57 Site 39CU3601 ..... 5.238
5.57.1 Site Description 5.238
5.57.2 Artifact and Feature Inventory 5.239
5.57.3 Interpretation and Recommendations 5.239
5.58 Site 39CU3602 ..... 5.241
5.58.1 Site Description 5.241
5.58.2 Artifact and Feature Inventory 5.243
5.58.3 Interpretation and Recommendations 5.243
5.59 Site 39CU3603 ..... 5.243
5.59.1 Site Description 5.244
5.59.2 Artifact and Feature Inventory 5.244
5.59.3 Interpretation and Recommendations 5.248
5.60 Site 39CU3604 ..... 5.248
5.60.1 Site Description 5.248
5.60.2 Artifact and Feature Inventory 5.249
5.60.3 Interpretation and Recommendations 5.253
5.61 Site 39CU3605 ..... 5.253
5.61.1 Site Description 5.253
5.61.2 Artifact and Feature Inventory 5.255
5.61.3 Interpretation and Recommendations 5.257
5.62 Site 39CU3606 ..... 5.258
5.62.1 Site Description 5.258
5.62.2 Artifact and Feature Inventory 5.260
5.62.3 Interpretation and Recommendations 5.264
5.63 Site 39CU3607 ..... 5.265
5.63.1 Site Description 5.265
5.63.2 Artifact and Feature Inventory 5.265
5.63.3 Interpretation and Recommendations 5.267
5.64 Site 39CU3608 ..... 5.268
5.64.1 Site Description 5.268
5.64.2 Artifact and Feature Inventory 5.270
5.64.3 Interpretation and Recommendations 5.271
5.65 Site 39CU3609 ..... 5.272
5.65.1 Site Description 5.272
5.65.2 Artifact and Feature Inventory 5.272
5.65.3 Interpretation and Recommendations 5.274
5.66 Site 39CU3610 ..... 5.274
5.66.1 Site Description 5.274
5.66.2 Artifact and Feature Inventory 5.276
5.66.3 Interpretation and Recommendations 5.276

TABLE OF CONTENTS CONTINUED

Volume II (Cultural Resources Report) **Page**

5.67 Site 39CU3611 ..... 5.276
5.67.1 Site Description 5.276
5.67.2 Artifact and Feature Inventory 5.278
5.67.3 Interpretation and Recommendations 5.278
5.68 Site 39CU3612 ..... 5.279
5.68.1 Site Description 5.279
5.68.2 Artifact and Feature Inventory 5.281
5.68.3 Interpretation and Recommendations 5.283
5.69 Site 39CU3613 ..... 5.283
5.69.1 Site Description 5.283
5.69.2 Artifact and Feature Inventory 5.285
5.69.3 Interpretation and Recommendations 5.285
5.70 Site 39CU3614 ..... 5.286
5.70.1 Site Description 5.286
5.70.2 Artifact and Feature Inventory 5.286
5.70.3 Interpretation and Recommendations 5.286
5.71 Site 39CU3615 ..... 5.288
5.71.1 Site Description 5.288
5.71.2 Artifact and Feature Inventory 5.290
5.71.3 Interpretation and Recommendations 5.291
5.72 Site 39CU3616 ..... 5.291
5.72.1 Site Description 5.291
5.72.2 Artifact and Feature Inventory 5.291
5.72.3 Interpretation and Recommendations 5.291
5.73 Site 39CU3617 ..... 5.293
5.73.1 Site Description 5.293
5.73.2 Artifact and Feature Inventory 5.293
5.73.3 Interpretation and Recommendations 5.296
5.74 Site 39CU3618 ..... 5.296
5.74.1 Site Description 5.296
5.74.2 Artifact and Feature Inventory 5.298
5.74.3 Interpretation and Recommendations 5.298
5.75 Site 39CU3619 ..... 5.298
5.75.1 Site Description 5.298
5.75.2 Artifact and Feature Inventory 5.301
5.75.3 Interpretation and Recommendations 5.318
5.76 Site 39CU3620 ..... 5.319
5.76.1 Site Description 5.319
5.76.2 Artifact and Feature Inventory 5.319
5.76.3 Interpretation and Recommendations 5.322
5.77 Site 39CU3621 ..... 5.324
5.77.1 Site Description 5.324
5.77.2 Artifact and Feature Inventory 5.326
5.77.3 Interpretation and Recommendations 5.327

TABLE OF CONTENTS CONTINUED

Volume II (Cultural Resources Report) **Page**

5.78 Site 39CU3622 ..... 5.327
5.78.1 Site Description 5.328
5.78.2 Artifact and Feature Inventory 5.328
5.78.3 Interpretation and Recommendations 5.330
5.79 Site 39CU3623 ..... 5.330
5.79.1 Site Description 5.331
5.79.2 Artifact and Feature Inventory 5.333
5.79.3 Interpretation and Recommendations 5.335
5.80 Site 39CU3624 ..... 5.335
5.80.1 Site Description 5.335
5.80.2 Artifact and Feature Inventory 5.336
5.80.3 Interpretation and Recommendations 5.339
5.81 Site 39CU3771 ..... 5.340
5.81.1 Site Description 5.340
5.81.2 Artifact and Feature Inventory 5.340
5.81.3 Interpretation and Recommendations 5.342
5.82 Site 39CU3772 ..... 5.342
5.82.1 Site Description 5.342
5.82.2 Artifact and Feature Inventory 5.344
5.82.3 Interpretation and Recommendations 5.344
5.83 Site 39CU3773 ..... 5.345
5.83.1 Site Description 5.345
5.83.2 Artifact and Feature Inventory 5.345
5.83.3 Interpretation and Recommendations 5.347
5.84 Site 39CU3774 ..... 5.347
5.84.1 Site Description 5.347
5.84.2 Artifact and Feature Inventory 5.347
5.84.3 Interpretation and Recommendations 5.350
5.85 Site 39CU3775 ..... 5.350
5.85.1 Site Description 5.350
5.85.2 Artifact and Feature Inventory 5.352
5.85.3 Interpretation and Recommendations 5.352
5.86 Site 39CU3776 ..... 5.352
5.86.1 Site Description 5.352
5.86.2 Artifact and Feature Inventory 5.355
5.86.3 Interpretation and Recommendations 5.355
5.87 Site 39CU3777 ..... 5.355
5.87.1 Site Description 5.355
5.87.2 Artifact and Feature Inventory 5.355
5.87.3 Interpretation and Recommendations 5.357
5.88 Site 39CU3778 ..... 5.358
5.88.1 Site Description 5.358
5.88.2 Artifact and Feature Inventory 5.358
5.88.3 Interpretation and Recommendations 5.360

TABLE OF CONTENTS CONTINUED

Volume II (Cultural Resources Report) **Page**

5.89 Site 39CU3779 ..... 5.360
5.89.1 Site Description 5.360
5.89.2 Artifact and Feature Inventory 5.362
5.89.3 Interpretation and Recommendations 5.362
5.90 Site 39CU3780 ..... 5.363
5.90.1 Site Description 5.363
5.90.2 Artifact and Feature Inventory 5.363
5.90.3 Interpretation and Recommendations 5.365
5.91 Site 39CU3781 ..... 5.366
5.91.1 Site Description 5.366
5.91.2 Artifact and Feature Inventory 5.366
5.91.3 Interpretation and Recommendations 5.368
5.92 Site 39CU3782 ..... 5.368
5.92.1 Site Description 5.368
5.92.2 Artifact and Feature Inventory 5.370
5.92.3 Interpretation and Recommendations 5.371
5.93 Site 39CU3783 ..... 5.371
5.93.1 Site Description 5.371
5.93.2 Artifact and Feature Inventory 5.373
5.93.3 Interpretation and Recommendations 5.373

Chapter 6: Fall River County Cultural Resources Inventory and NRHP Recommendations 6.1

6.1 Overview 6.1
6.2 Site 39FA96 ..... 6.5
6.2.1 Site Description 6.5
6.2.2 Artifact and Feature Inventory 6.7
6.2.3 Interpretation and Recommendations 6.46
6.3 Site 39FA97 ..... 6.47
6.3.1 Site Description 6.47
6.3.2 Artifact and Feature Inventory 6.49
6.3.3 Interpretation and Recommendations 6.49
6.4 Site 39FA251 ..... 6.50
6.4.1 Site Description 6.50
6.4.2 Artifact and Feature Inventory 6.52
6.4.3 Interpretation and Recommendations 6.53
6.5 Site 39FA269 ..... 6.53
6.5.1 Site Description 6.54
6.5.2 Artifact and Feature Inventory 6.54
6.5.3 Interpretation and Recommendations 6.56
6.6 Site 39FA272 ..... 6.56
6.6.1 Site Description 6.56
6.6.2 Artifact and Feature Inventory 6.57
6.6.3 Interpretation and Recommendations 6.59

TABLE OF CONTENTS CONTINUED

Volume II (Cultural Resources Report) **Page**

6.7 Site 39FA273 ....6.59
6.7.1 Site Description....6.59
6.7.2 Artifact and Feature Inventory....6.59
6.7.3 Interpretation and Recommendations 6.62
6.8 Site 39FA557 ....6.63
6.8.1 Site Description....6.63
6.8.2 Artifact and Feature Inventory....6.63
6.8.3 Interpretation and Recommendations 6.66
6.9 Site 39FA584 ....6.66
6.9.1 Site Description....6.67
6.9.2 Artifact and Feature Inventory....6.67
6.9.3 Interpretation and Recommendations 6.76
6.10 Site 39FA740 ....6.77
6.10.1 Site Description....6.77
6.10.2 Artifact and Feature Inventory....6.79
6.10.3 Interpretation and Recommendations 6.80
6.11 Site 39FA778 ....6.81
6.11.1 Site Description....6.81
6.11.2 Artifact and Feature Inventory....6.81
6.11.3 Interpretation and Recommendations 6.82
6.12 Site 39FA1859 ....6.83
6.12.1 Site Description....6.83
6.12.2 Artifact and Feature Inventory....6.83
6.12.3 Interpretation and Recommendations 6.85
6.13 Site 39FA1860 ....6.85
6.13.1 Site Description....6.85
6.13.2 Artifact and Feature Inventory....6.87
6.13.3 Interpretation and Recommendations 6.87
6.14 Site 39FA1861 ....6.88
6.14.1 Site Description....6.88
6.14.2 Artifact and Feature Inventory....6.88
6.14.3 Interpretation and Recommendations 6.90
6.15 Site 39FA1862 ....6.90
6.15.1 Site Description....6.90
6.15.2 Artifact and Feature Inventory....6.90
6.15.3 Interpretation and Recommendations 6.102
6.16 Site 39FA1863 ....6.103
6.16.1 Site Description....6.103
6.16.2 Artifact and Feature Inventory....6.105
6.16.3 Interpretation and Recommendations 6.108
6.17 Site 39FA1864 ....6.109
6.17.1 Site Description....6.109
6.17.2 Artifact and Feature Inventory....6.111
6.17.3 Interpretation and Recommendations 6.111

TABLE OF CONTENTS CONTINUED

Volume II (Cultural Resources Report) **Page**

6.18 Site 39FA1865 ..... 6.111
6.18.1 Site Description 6.112
6.18.2 Artifact and Feature Inventory 6.114
6.18.3 Interpretation and Recommendations 6.115
6.19 Site 39FA1868 ..... 6.116
6.19.1 Site Description 6.116
6.19.2 Artifact and Feature Inventory 6.116
6.19.3 Interpretation and Recommendations 6.118
6.20 Site 39FA1869 ..... 6.118
6.20.1 Site Description 6.118
6.20.2 Artifact and Feature Inventory 6.118
6.20.3 Interpretation and Recommendations 6.121
6.21 Site 39FA1870 ..... 6.121
6.21.1 Site Description 6.121
6.21.2 Artifact and Feature Inventory 6.123
6.21.3 Interpretation and Recommendations 6.123
6.22 Site 39FA1871 ..... 6.124
6.22.1 Site Description 6.124
6.22.2 Artifact and Feature Inventory 6.126
6.22.3 Interpretation and Recommendations 6.126
6.23 Site 39FA1872 ..... 6.126
6.23.1 Site Description 6.126
6.23.2 Artifact and Feature Inventory 6.128
6.23.3 Interpretation and Recommendations 6.128
6.24 Site 39FA1873 ..... 6.128
6.24.1 Site Description 6.128
6.24.2 Artifact and Feature Inventory 6.128
6.24.3 Interpretation and Recommendations 6.130
6.25 Site 39FA1874 ..... 6.131
6.25.1 Site Description 6.131
6.25.2 Artifact and Feature Inventory 6.131
6.25.3 Interpretation and Recommendations 6.131

TABLE OF CONTENTS CONTINUED

Volume III (Cultural Resources Report) **Page**

6.26 Site 39FA1875 ....6.133
6.26.1 Site Description....6.133
6.26.2 Artifact and Feature Inventory....6.133
6.26.3 Interpretation and Recommendations 6.135
6.27 Site 39FA1876 ....6.135
6.27.1 Site Description....6.135
6.27.2 Artifact and Feature Inventory....6.135
6.27.3 Interpretation and Recommendations 6.137
6.28 Site 39FA1877 ....6.138
6.28.1 Site Description....6.138
6.28.2 Artifact and Feature Inventory....6.138
6.28.3 Interpretation and Recommendations 6.140
6.29 Site 39FA1878 ....6.140
6.29.1 Site Description....6.140
6.29.2 Artifact and Feature Inventory....6.142
6.29.3 Interpretation and Recommendations 6.142
6.30 Site 39FA1879 ....6.142
6.30.1 Site Description....6.142
6.30.2 Artifact and Feature Inventory....6.142
6.30.3 Interpretation and Recommendations 6.144
6.31 Site 39FA1880 ....6.145
6.31.1 Site Description....6.145
6.31.2 Artifact and Feature Inventory....6.147
6.31.3 Interpretation and Recommendations 6.148
6.32 Site 39FA1881 ....6.149
6.32.1 Site Description....6.149
6.32.2 Artifact and Feature Inventory....6.149
6.32.3 Interpretation and Recommendations 6.151
6.33 Site 39FA1882 ....6.152
6.33.1 Site Description....6.152
6.33.2 Historic Background....6.156
6.33.3 Artifact and Feature Inventory....6.156
6.33.3.1 Area A....6.157
6.33.3.2 Area B....6.164
6.33.3.3 Artifact Assemblage....6.172
6.33.4 Interpretation and Recommendations 6.176
6.34 Site 39FA1883 ....6.177
6.34.1 Site Description....6.177
6.34.2 Artifact and Feature Inventory....6.177
6.34.3 Interpretation and Recommendations 6.179
6.35 Site 39FA1884 ....6.179
6.35.1 Site Description....6.179
6.35.2 Artifact and Feature Inventory....6.179
6.35.3 Interpretation and Recommendations 6.181

TABLE OF CONTENTS CONTINUED

Volume III (Cultural Resources Report) **Page**

6.36 Site 39FA1885 ..... 6.182
6.36.1 Site Description 6.182
6.36.2 Artifact and Feature Inventory 6.182
6.36.3 Subsurface Tests 6.185
6.36.4 Interpretation and Recommendations 6.185
6.37 Site 39FA1886 ..... 6.186
6.37.1 Site Description 6.186
6.37.2 Artifact and Feature Inventory 6.186
6.37.3 Interpretation and Recommendations 6.188
6.38 Site 39FA1887 ..... 6.188
6.38.1 Site Description 6.188
6.38.2 Artifact and Feature Inventory 6.190
6.38.3 Interpretation and Recommendations 6.192
6.39 Site 39FA1888 ..... 6.192
6.39.1 Site Description 6.192
6.39.2 Artifact and Feature Inventory 6.194
6.39.3 Interpretation and Recommendations 6.194
6.40 Site 39FA1889 ..... 6.194
6.40.1 Site Description 6.194
6.40.2 Artifact and Feature Inventory 6.194
6.40.3 Interpretation and Recommendations 6.196
6.41 Site 39FA1890 ..... 6.197
6.41.1 Site Description 6.197
6.41.2 Artifact and Feature Inventory 6.197
6.41.3 Interpretation and Recommendations 6.199
6.42 Site 39FA1891 ..... 6.200
6.42.1 Site Description 6.200
6.42.2 Artifact and Feature Inventory 6.202
6.42.3 Interpretation and Recommendations 6.202
6.43 Site 39FA1892 ..... 6.202
6.43.1 Site Description 6.202
6.43.2 Artifact and Feature Inventory 6.202
6.43.3 Interpretation and Recommendations 6.204
6.44 Site 39FA1893 ..... 6.205
6.44.1 Site Description 6.205
6.44.2 Artifact and Feature Inventory 6.205
6.44.3 Interpretation and Recommendations 6.207
6.45 Site 39FA1894 ..... 6.207
6.45.1 Site Description 6.207
6.45.2 Artifact and Feature Inventory 6.209
6.45.3 Interpretation and Recommendations 6.209

TABLE OF CONTENTS CONTINUED

Volume III (Cultural Resources Report) **Page**

6.46 Site 39FA1895 ..... 6.210
6.46.1 Site Description 6.210
6.46.2 Artifact and Feature Inventory 6.210
6.46.3 Interpretation and Recommendations 6.218
6.47 Site 39FA1896 ..... 6.219
6.47.1 Site Description 6.219
6.47.2 Artifact and Feature Inventory 6.219
6.47.3 Interpretation and Recommendations 6.226
6.48 Site 39FA1897 ..... 6.226
6.48.1 Site Description 6.226
6.48.2 Artifact and Feature Inventory 6.228
6.48.3 Interpretation and Recommendations 6.228
6.49 Site 39FA1898 ..... 6.229
6.49.1 Site Description 6.229
6.49.2 Artifact and Feature Inventory 6.231
6.49.3 Interpretation and Recommendations 6.232
6.50 Site 39FA1899 ..... 6.232
6.50.1 Site Description 6.232
6.50.2 Artifact and Feature Inventory 6.232
6.50.3 Interpretation and Recommendations 6.234
6.51 Site 39FA1900 ..... 6.234
6.51.1 Site Description 6.234
6.51.2 Artifact and Feature Inventory 6.234
6.51.3 Interpretation and Recommendations 6.236
6.52 Site 39FA1901 ..... 6.236
6.52.1 Site Description 6.236
6.52.2 Artifact and Feature Inventory 6.238
6.52.3 Interpretation and Recommendations 6.239
6.53 Site 39FA1902 ..... 6.240
6.53.1 Site Description 6.240
6.53.2 Artifact and Feature Inventory 6.242
6.53.3 Interpretation and Recommendations 6.246
6.54 Site 39FA1903 ..... 6.246
6.54.1 Site Description 6.246
6.54.2 Artifact and Feature Inventory 6.246
6.54.3 Interpretation and Recommendations 6.248
6.55 Site 39FA1904 ..... 6.249
6.55.1 Site Description 6.249
6.55.2 Artifact and Feature Inventory 6.249
6.55.3 Interpretation and Recommendations 6.251
6.56 Site 39FA1905 ..... 6.251
6.56.1 Site Description 6.251
6.56.2 Artifact and Feature Inventory 6.251
6.56.3 Interpretation and Recommendations 6.253

TABLE OF CONTENTS CONTINUED

Volume III (Cultural Resources Report) **Page**

6.57 Site 39FA1906 ..... 6.253
6.57.1 Site Description 6.253
6.57.2 Artifact and Feature Inventory 6.255
6.57.3 Interpretation and Recommendations 6.255
6.58 Site 39FA1907 ..... 6.256
6.58.1 Site Description 6.256
6.58.2 Artifact and Feature Inventory 6.258
6.58.3 Interpretation and Recommendations 6.258
6.59 Site 39FA1908 ..... 6.258
6.59.1 Site Description 6.258
6.59.2 Artifact and Feature Inventory 6.260
6.59.3 Interpretation and Recommendations 6.260
6.60 Site 39FA1909 ..... 6.261
6.60.1 Site Description 6.261
6.60.2 Artifact and Feature Inventory 6.261
6.60.3 Interpretation and Recommendations 6.261
6.61 Site 39FA1910 ..... 6.263
6.61.1 Site Description 6.263
6.61.2 Artifact and Feature Inventory 6.263
6.61.3 Interpretation and Recommendations 6.265
6.62 Site 39FA1911 ..... 6.265
6.62.1 Site Description 6.265
6.62.2 Artifact and Feature Inventory 6.265
6.62.3 Interpretation and Recommendations 6.269
6.63 Site 39FA1912 ..... 6.270
6.63.1 Site Description 6.270
6.63.2 Artifact and Feature Inventory 6.272
6.63.3 Interpretation and Recommendations 6.272
6.64 Site 39FA1913 ..... 6.272
6.64.1 Site Description 6.272
6.64.2 Artifact and Feature Inventory 6.274
6.64.3 Interpretation and Recommendations 6.274
6.65 Site 39FA1914 ..... 6.275
6.65.1 Site Description 6.275
6.65.2 Artifact and Feature Inventory 6.275
6.65.3 Interpretation and Recommendations 6.277
6.66 Site 39FA1915 ..... 6.277
6.66.1 Site Description 6.277
6.66.2 Artifact and Feature Inventory 6.277
6.66.3 Interpretation and Recommendations 6.279
6.67 Site 39FA1916 ..... 6.280
6.67.1 Site Description 6.280
6.67.2 Artifact and Feature Inventory 6.280
6.67.3 Interpretation and Recommendations 6.282

TABLE OF CONTENTS CONTINUED

Volume III (Cultural Resources Report) **Page**

6.68 Site 39FA1917 ..... 6.282
6.68.1 Site Description 6.282
6.68.2 Artifact and Feature Inventory 6.284
6.68.3 Interpretation and Recommendations 6.285
6.69 Site 39FA1918 ..... 6.285
6.69.1 Site Description 6.285
6.69.2 Artifact and Feature Inventory 6.287
6.69.3 Interpretation and Recommendations 6.287
6.70 Site 39FA1919 ..... 6.288
6.70.1 Site Description 6.288
6.70.2 Artifact and Feature Inventory 6.288
6.70.3 Interpretation and Recommendations 6.288
6.71 Site 39FA1920 ..... 6.290
6.71.1 Site Description 6.290
6.71.2 Artifact and Feature Inventory 6.290
6.71.3 Interpretation and Recommendations 6.293
6.72 Site 39FA1921 ..... 6.293
6.72.1 Site Description 6.293
6.72.2 Artifact and Feature Inventory 6.295
6.72.3 Interpretation and Recommendations 6.295
6.73 Site 39FA1922 ..... 6.295
6.73.1 Site Description 6.295
6.73.2 Artifact and Feature Inventory 6.295
6.73.3 Interpretation and Recommendations 6.300
6.74 Site 39FA1923 ..... 6.301
6.74.1 Site Description 6.301
6.74.2 Artifact and Feature Inventory 6.301
6.74.3 Interpretation and Recommendations 6.303
6.75 Site 39FA1924 ..... 6.303
6.75.1 Site Description 6.303
6.75.2 Artifact and Feature Inventory 6.303
6.75.3 Interpretation and Recommendations 6.307
6.76 Site 39FA1925 ..... 6.307
6.76.1 Site Description 6.307
6.76.2 Artifact and Feature Inventory 6.309
6.76.3 Interpretation and Recommendations 6.309
6.77 Site 39FA1926 ..... 6.310
6.77.1 Site Description 6.310
6.77.2 Artifact and Feature Inventory 6.310
6.77.3 Interpretation and Recommendations 6.312
6.78 Site 39FA1927 ..... 6.312
6.78.1 Site Description 6.312
6.78.2 Artifact and Feature Inventory 6.312
6.78.3 Interpretation and Recommendations 6.315

TABLE OF CONTENTS CONTINUED

Volume III (Cultural Resources Report) **Page**

6.79 Site 39FA1928 ..... 6.315
6.79.1 Site Description 6.316
6.79.2 Artifact and Feature Inventory 6.316
6.79.3 Interpretation and Recommendations 6.316
6.80 Site 39FA1929 ..... 6.320
6.80.1 Site Description 6.320
6.80.2 Artifact and Feature Inventory 6.320
6.80.3 Interpretation and Recommendations 6.322
6.81 Site 39FA1930 ..... 6.322
6.81.1 Site Description 6.322
6.81.2 Artifact and Feature Inventory 6.322
6.81.3 Interpretation and Recommendations 6.324
6.82 Site 39FA1931 ..... 6.325
6.82.1 Site Description 6.325
6.82.2 Artifact and Feature Inventory 6.325
6.82.3 Interpretation and Recommendations 6.327
6.83 Site 39FA1932 ..... 6.327
6.83.1 Site Description 6.327
6.83.2 Artifact and Feature Inventory 6.331
6.83.3 Interpretation and Recommendations 6.332
6.84 Site 39FA1933 ..... 6.333
6.84.1 Site Description 6.333
6.84.2 Artifact and Feature Inventory 6.333
6.84.3 Interpretation and Recommendations 6.336
6.85 Site 39FA1934 ..... 6.336
6.85.1 Site Description 6.336
6.85.2 Artifact and Feature Inventory 6.336
6.85.3 Interpretation and Recommendations 6.338
6.86 Site 39FA1935 ..... 6.339
6.86.1 Site Description 6.339
6.86.2 Artifact and Feature Inventory 6.339
6.86.3 Interpretation and Recommendations 6.341
6.87 Site 39FA1936 ..... 6.341
6.87.1 Site Description 6.341
6.87.2 Artifact and Feature Inventory 6.343
6.87.3 Interpretation and Recommendations 6.343
6.88 Site 39FA1937 ..... 6.344
6.88.1 Site Description 6.344
6.88.2 Artifact and Feature Inventory 6.346
6.88.3 Interpretation and Recommendations 6.346
6.89 Site 39FA1938 ..... 6.347
6.89.1 Site Description 6.347
6.89.2 Artifact and Feature Inventory 6.347
6.89.3 Interpretation and Recommendations 6.350

TABLE OF CONTENTS CONTINUED

Volume III (Cultural Resources Report) **Page**

6.90 Site 39FA1939 ..... 6.350
6.90.1 Site Description 6.350
6.90.2 Artifact and Feature Inventory 6.350
6.90.3 Interpretation and Recommendations 6.352
6.91 Site 39FA1940 ..... 6.353
6.91.1 Site Description 6.353
6.91.2 Artifact and Feature Inventory 6.353
6.91.3 Interpretation and Recommendations 6.356
6.92 Site 39FA1941 ..... 6.357
6.92.1 Site Description 6.357
6.92.2 Artifact and Feature Inventory 6.360
6.92.3 Subsurface Tests 6.365
6.92.4 Interpretation and Recommendations 6.366
6.93 Site 39FA1942 ..... 6.367
6.93.1 Site Description 6.367
6.93.2 Artifact and Feature Inventory 6.367
6.93.3 Interpretation and Recommendations 6.369
6.94 Site 39FA1943 ..... 6.370
6.94.1 Site Description 6.370
6.94.2 Artifact and Feature Inventory 6.372
6.94.3 Interpretation and Recommendations 6.372
6.95 Site 39FA1944 ..... 6.373
6.95.1 Site Description 6.373
6.95.2 Artifact and Feature Inventory 6.373
6.95.3 Subsurface Tests 6.376
6.95.4 Interpretation and Recommendations 6.376
6.96 Site 39FA2000 ..... 6.377
6.96.1 Site Description 6.377
6.96.2 Historic Background 6.377
6.96.3 Interpretation and Recommendations 6.377

Chapter 7: Discussion and Project Summary 7.1
7.1 Project Objectives 7.1
7.2 Investigation Results 7.1
7.2.1 Previously Recorded Sites Not Relocated 7.2
7.2.2 Documented Cultural Properties 7.3
7.3 Evaluation and Recommendations 7.9
7.3.1 Documented Archeological Properties 7.10
7.3.2 Standing and Bridge Structures 7.15
7.3.3 Possible Burials 7.16
7.4 Synthesis 7.16
7.5 Summary and Recommendations 7.18

Chapter 8: References Cited 8.1

TABLE OF CONTENTS CONTINUED

Volume IV (Appendices) **Page**

Appendix A: Archeological Site Forms **A-1**

Volume V (Appendices)

Appendix A (cont.): Archeological Site Forms **A-241**
Appendix B: Historic Structure Survey Forms **B-1**
Appendix C: National Archaeological Database (NADB) Form **C-1**
Appendix D: Topographic Site Location Maps **D-1**
Appendix E: Artifact Catalog and Lithic Tool Measurement Data **E-1**
Appendix F: Project Scope-of-Work **F-1**

LIST OF TABLES

Table		Page
2.1	Generalized Geologic Sequence of the Black Hills and Missouri Plateau (adapted from Trimble 1980)	2.3
2.2	Major Soil Associations Located within the Project Area	2.5
2.3	Ecoregions Comprising the Proposed Project Area	2.7
2.4	Common Black Hills Flora within the Project Region (Larson and Johnson 1999)	2.8
2.5	Common Grassland Flora within the General Project Region (Johnson and Larson 1999; Molyneaux et al. 2000:2-7 and 2-8)	2.9
2.6	Common Riparian Flora within the Project Region (Molyneaux et al. 2000:2-7 and 2-8)	2.10
2.7	Common Fauna Associated with the Grassland, Steppe, and Foothills Habitats in the Region (Hoffman and Jones 1970:364)	2.11
2.8	Common Fauna Associated with Aquatic/Riparian Habitat in the Region (Hoffman and Jones 1970:380-381; Nielsen 1996:3)	2.12
2.9	Late Pleistocene/Pre-Boreal Faunal Assemblage Recovered from the Lange/ Ferguson and Agate Basin Sites (Martin 1987; Walker 1982 and 1987)	2.14
2.10	Late Prehistoric Faunal Assemblage from the Project Area (Fosha and Sellet 2002; Hoffman and Jones 1970:364-365; Lippincott and Byrne 1996:68; Warren 1996:79)	2.16
3.1	Major Historic Contexts of South Dakota Relative to the Project Area (adapted from SARC 2007 and Winham and Hannus 1991)	3.1
3.2	Prehistoric Thematic Sub-contexts of South Dakota with Manifestations in the Black Hills Archaeological Region (adapted from Winham and Hannus 1991)	3.1
4.1	Previously Recorded Archeological Surveys within the APE	4.1
4.2	Previously Recorded Archeological Sites within the APE	4.2
4.3	Previously Recorded Archeological Surveys within One Mile of the APE	4.4
4.4	Previously Recorded Archeological Sites within One Mile of the APE	4.5
4.5	Legal Locations of Areas Surveyed for the Dewey-Burdock Uranium Project	4.11
5.1	Archeological Sites Documented in Custer County	5.1
5.2	Artifacts Observed at Site 39CU251	5.7
5.3	Radiocarbon Dates Obtained During 1981 Test Excavations at Site 39CU271 (Reher 1981:Table 8)	5.10
5.4	Artifacts Observed at Concentration A, Site 39CU271	5.26
5.5	Artifacts Observed at Concentration B, Site 39CU271	5.28
5.6	Artifacts Observed at Concentration C, Site 39CU271	5.31
5.7	Artifacts Observed at Concentration D, Site 39CU271	5.32
5.8	Artifacts Observed at Concentration F, Site 39CU271	5.33
5.9	Artifacts Observed at Site 39CU451	5.40
5.10	Artifacts Observed at Site 39CU459	5.43
5.11	Artifacts Observed at Site 39CU463	5.53
5.12	Artifacts Observed at Concentration A, Site 39CU530	5.59

LIST OF TABLES CONTINUED

Table **Page**

5.13 Artifacts Observed at Concentration B, Site 39CU530 ..... 5.61
5.14 Artifacts Observed at Site 39CU531 ..... 5.68
5.15 Artifacts Observed at Site 39CU532 ..... 5.71
5.16 Artifacts Observed at Site 39CU556 ..... 5.74
5.17 Artifacts Observed at Site 39CU557 ..... 5.78
5.18 Artifacts Observed at Site 39CU559 ..... 5.85
5.19 Artifacts Observed at Site 39CU648 ..... 5.88
5.20 Artifacts Observed at Site 39CU3562 ..... 5.96
5.21 Artifacts Observed at Site 39CU3563 ..... 5.97
5.22 Artifacts Observed at Site 39CU3564 ..... 5.102
5.23 Artifacts Observed at Site 39CU3565 ..... 5.104
5.24 Prehistoric Artifacts Observed at Site 39CU3566 ..... 5.109
5.25 Artifacts Observed at Site 39CU3567 ..... 5.113
5.26 Artifacts Observed at Site 39CU3568 ..... 5.118
5.27 Artifacts Observed at Site 39CU3569 ..... 5.120
5.28 Artifacts Observed at Site 39CU3570 ..... 5.121
5.29 Artifacts Observed at Site 39CU3571 ..... 5.126
5.30 Artifacts Observed at Site 39CU3572 ..... 5.128
5.31 Artifacts Observed at Site 39CU3573 ..... 5.136
5.32 Artifacts Observed at Site 39CU3574 ..... 5.140
5.33 Artifacts Observed at Site 39CU3575 ..... 5.147
5.34 Artifacts Observed at Site 39CU3576 ..... 5.150
5.35 Artifacts Observed at Site 39CU3578 ..... 5.156
5.36 Artifacts Observed at Site 39CU3579 ..... 5.158
5.37 Prehistoric Artifacts Observed at Site 39CU3583 ..... 5.169
5.38 Historic Artifacts Observed at Site 39CU3583 ..... 5.169
5.39 Artifacts Observed at Site 39CU3584 ..... 5.176
5.40 Prehistoric Artifacts Observed at Site 39CU3585 ..... 5.181
5.41 Historic Artifacts Observed at Site 39CU3585 ..... 5.183
5.42 Artifacts Observed at Site 39CU3586 ..... 5.187
5.43 Artifacts Observed at Site 39CU3588 ..... 5.195
5.44 Artifacts Observed at Site 39CU3589 ..... 5.198
5.45 Artifacts Observed at Site 39CU3590 ..... 5.200
5.46 Artifacts Observed at Site 39CU3593 ..... 5.208
5.47 Artifacts Observed at Site 39CU3594 ..... 5.211
5.48 Artifacts Observed at Site 39CU3595 ..... 5.214
5.49 Artifacts Observed at Site 39CU3596 ..... 5.216
5.50 Artifacts Observed at Site 39CU3597 ..... 5.219
5.51 Artifacts Observed at Site 39CU3598 ..... 5.221
5.52 Historic Artifacts Observed at Site 39CU3599 ..... 5.227
5.53 Artifacts Observed at Site 39CU3600 ..... 5.235
5.54 Artifacts Observed at Site 39CU3601 ..... 5.241
5.55 Artifacts Observed at Site 39CU3602 ..... 5.243
5.56 Artifacts Observed at Site 39CU3603 ..... 5.246

LIST OF TABLES CONTINUED

Table **Page**

5.57 Description of Hearths in Site 39CU3603 ..... 5.248
5.58 Artifacts Observed at Site 39CU3604 ..... 5.251
5.59 Description of Hearths in Site 39CU3604 ..... 5.253
5.60 Artifacts Observed at Site 39CU3605 ..... 5.255
5.61 Description of Hearths in Site 39CU3605 ..... 5.257
5.62 Artifacts Observed at Site 39CU3606 ..... 5.260
5.63 Artifacts Observed at Site 39CU3607 ..... 5.267
5.64 Artifacts Observed at Site 39CU3608 ..... 5.270
5.65 Artifacts Observed at Site 39CU3610 ..... 5.276
5.66 Artifacts Observed at Site 39CU3611 ..... 5.278
5.67 Artifacts Observed at Site 39CU3612 ..... 5.281
5.68 Description of Hearths in Site 39CU3612 ..... 5.283
5.69 Artifacts Observed at Site 39CU3613 ..... 5.285
5.70 Artifacts Observed at Site 39CU3614 ..... 5.288
5.71 Artifacts Observed at Site 39CU3615 ..... 5.290
5.72 Artifacts Observed at Site 39CU3617 ..... 5.295
5.73 Artifacts Observed at Site 39CU3618 ..... 5.298
5.74 Artifacts Observed at Site 39CU3619 ..... 5.312
5.75 Artifacts Observed at Site 39CU3620 ..... 5.321
5.76 Description of Hearths in Site 39CU3620 ..... 5.322
5.77 Artifacts Observed at Site 39CU3621 ..... 5.326
5.78 Artifacts Observed at Site 39CU3622 ..... 5.330
5.79 Artifacts Observed at Site 39CU3623 ..... 5.333
5.80 Artifacts Observed at Site 39CU3624 ..... 5.338
5.81 Artifacts Observed at Site 39CU3771 ..... 5.342
5.82 Artifacts Observed at Site 39CU3772 ..... 5.344
5.83 Artifacts Observed at Site 39CU3774 ..... 5.349
5.84 Artifacts Observed at Site 39CU3775 ..... 5.352
5.85 Artifacts Observed at Site 39CU3779 ..... 5.362
5.86 Artifacts Observed at Site 39CU3780 ..... 5.365
5.87 Artifacts Observed at Site 39CU3781 ..... 5.368
5.88 Artifacts Observed at Site 39CU3782 ..... 5.370
5.89 Artifacts Observed at Site 39CU3783 ..... 5.373

6.1 Archeological Sites Documented in Fall River County 6.1
6.2 Artifacts Observed in Area 1 of Site 39FA96 ..... 6.9
6.3 Artifacts Observed in Area 2 of Site 39FA96 ..... 6.19
6.4 Artifacts Observed in Area 3 of Site 39FA96 ..... 6.21
6.5 Artifacts Observed in Area 4 of Site 39FA96 ..... 6.26
6.6 Artifacts Observed in Area 5 of Site 39FA96 ..... 6.29
6.7 Artifacts Observed in Area 6 of Site 39FA96 ..... 6.31
6.8 Description of Hearths in Area 6 of Site 39FA96 ..... 6.34
6.9 Prehistoric Artifacts Observed in Area 7 of Site 39FA96 ..... 6.37
6.10 Historic Artifacts Observed in Area 7 of Site 39FA96 ..... 6.38

LIST OF TABLES CONTINUED

Table **Page**

6.11 Prehistoric Artifacts Observed in Area 8 of Site 39FA96 ..... 6.39
6.12 Prehistoric Artifacts Observed at Site 39FA97 ..... 6.49
6.13 Historic Artifacts Observed at Site 39FA97 ..... 6.49
6.14 Artifacts Observed at Site 39FA251 ..... 6.52
6.15 Artifacts Observed at Site 39FA273 ..... 6.61
6.16 Artifacts Observed at Site 39FA584 ..... 6.69
6.17 Artifacts Observed at Site 39FA740 ..... 6.79
6.18 Artifacts Observed at Site 39FA1860 ..... 6.87
6.19 Artifacts Observed at Site 39FA1862 ..... 6.92
6.20 Artifacts Observed at Site 39FA1863 ..... 6.105
6.21 Artifacts Observed at Site 39FA1865 ..... 6.114
6.22 Artifacts Observed at Site 39FA1868 ..... 6.118
6.23 Artifacts Observed at Site 39FA1869 ..... 6.120
6.24 Artifacts Observed at Site 39FA1870 ..... 6.123
6.25 Artifacts Observed at Site 39FA1871 ..... 6.126
6.26 Artifacts Observed at Site 39FA1872 ..... 6.128
6.27 Artifacts Observed at Site 39FA1875 ..... 6.135
6.28 Artifacts Observed at Site 39FA1876 ..... 6.137
6.29 Artifacts Observed at Site 39FA1880 ..... 6.147
6.30 Artifacts Observed at Site 39FA1883 ..... 6.179
6.31 Artifacts Observed at Site 39FA1884 ..... 6.181
6.32 Artifacts Observed at Site 39FA1885 ..... 6.184
6.33 Soil Profile of ST1, Site 39FA1885 ..... 6.185
6.34 Artifacts Observed at Site 39FA1886 ..... 6.186
6.35 Artifacts Observed at Site 39FA1887 ..... 6.190
6.36 Artifacts Observed at Site 39FA1888 ..... 6.194
6.37 Artifacts Observed at Site 39FA1889 ..... 6.196
6.38 Artifacts Observed at Site 39FA1890 ..... 6.199
6.39 Artifacts Observed at Site 39FA1891 ..... 6.202
6.40 Artifacts Observed at Site 39FA1892 ..... 6.204
6.41 Artifacts Observed at Site 39FA1895 ..... 6.212
6.42 Description of Hearths at Site 39FA1895 ..... 6.216
6.43 Prehistoric Artifacts Observed at Site 39FA1896 ..... 6.221
6.44 Artifacts Observed at Site 39FA1897 ..... 6.228
6.45 Artifacts Observed at Site 39FA1898 ..... 6.231
6.46 Prehistoric Artifacts Observed at Site 39FA1901 ..... 6.238
6.47 Artifacts Observed at Site 39FA1903 ..... 6.248
6.48 Artifacts Observed at Site 39FA1904 ..... 6.251
6.49 Artifacts Observed at Site 39FA1906 ..... 6.255
6.50 Artifacts Observed at Site 39FA1907 ..... 6.258
6.51 Artifacts Observed at Site 39FA1908 ..... 6.260
6.52 Historic Artifacts Observed at Site 39FA1911 ..... 6.267
6.53 Artifacts Observed at Site 39FA1912 ..... 6.272
6.54 Artifacts Observed at Site 39FA1913 ..... 6.274

LIST OF TABLES CONTINUED

Table		Page
6.55	Artifacts Observed at Site 39FA1915	6.279
6.56	Artifacts Observed at Site 39FA1916	6.282
6.57	Artifacts Observed at Site 39FA1917	6.284
6.58	Artifacts Observed at Site 39FA1920	6.292
6.59	Artifacts Observed at Site 39FA1922	6.297
6.60	Artifacts Observed at Site 39FA1923	6.303
6.61	Artifacts Observed at Site 39FA1924	6.305
6.62	Artifacts Observed at Site 39FA1926	6.312
6.63	Artifacts Observed at Site 39FA1932	6.331
6.64	Artifacts Observed at Site 39FA1933	6.335
6.65	Artifacts Observed at Site 39FA1934	6.338
6.66	Artifacts Observed at Site 39FA1935	6.341
6.67	Artifacts Observed at Site 39FA1936	6.343
6.68	Artifacts Observed at Site 39FA1938	6.350
6.69	Artifacts Observed at Concentration A, Site 39FA1941	6.361
6.70	Artifacts Observed at Concentration B, Site 39FA1941	6.361
6.71	Artifacts Observed at Concentration C, Site 39FA1941	6.361
6.72	Artifacts Observed at Concentration D, Site 39FA1941	6.362
6.73	Subsurface Test Data, Site 39FA1941	6.366
6.74	Artifacts Observed at Site 39FA1942	6.369
6.75	Artifacts Observed at Site 39FA1943	6.372
6.76	Artifacts Observed at Site 39FA1944	6.375
6.77	Subsurface Test Data, Site 39FA1944	6.376
7.1	Site Number Changes Proposed as a Result of Expanded Site Boundaries	7.2
7.2	Previously Recorded Archeological Sites Not Relocated During the Current Investigation	7.2
7.3	Historic Sites Documented During the Current Investigation	7.3
7.4	Prehistoric Sites Documented During the Current Investigation	7.4
7.5	Prehistoric/Historic Multi-component Sites Documented During the Current Investigation	7.7
7.6	Historic Contexts Identified in the Black Hills Region During the Current Investigation	7.9
7.7	Documented Archeological Properties Requiring No Further Work in the APE	7.12
7.8	Documented Archeological Properties Requiring Additional Evaluation in APE	7.14
7.9	Recommendations for Structure Properties Documented During the Current Investigation	7.16
7.10	Cultural Resources within the Revised APE	7.20

LIST OF FIGURES

Figure **Page**

1.1 State map of South Dakota highlighting Custer and Fall River counties and the proposed Dewey-Burdock Uranium Project locale (adapted from ESRI ArcGIS 9 United States Data and Maps Media Kit 2005) 1.1
1.2 General location and enlarged inset of the proposed Dewey-Burdock Uranium Project survey area, Custer and Fall River counties, South Dakota (adapted from ESRI ArcGIS 9 United States Data and Maps Media Kit 2005) 1.3

2.1 Digital relief image of the Black Hills uplift amidst the surrounding plains (adapted from Geoinformatics Lab, San Diego Supercomputer Center, University of California, San Diego © 2006) 2.1
2.2 Generalized model depicting the geologic composition of the Black Hills and surrounding region (adapted from Geoinformatics Lab, San Diego Supercomputer Center, University of California, San Diego © 2006; and SDGS 2004) 2.4
2.3 Overview of the Beaver Creek valley in southwestern Custer County, west-southwestern orientation 2.6
2.4 Variation in regional floral communities depicting the ponderosa pines of the Black Hills in the foreground transitioning into the shortgrass species that extend outward onto the plains, southern orientation 2.8

3.1 Cultural chronological chart of the Northwestern Plains (after Frison 1991:24) 3.2
3.2 State map of South Dakota depicting established archaeological regions and highlighting the Black Hills Region in which the proposed project is located (adapted from SARC 2006) 3.3
3.3 Selection of Paleoindian projectile points demonstrating the range in variation between given complexes. Complexes represented from left to right are: Clovis, Folsom, Agate Basin, Hell Gap, Eden, and Dalton (specimens from ALAC comparative collection) 3.4
3.4 Selection of Archaic period projectile points. Complexes represented from left to right are: Yonkee, Oxbow, Pelican Lake, and Besant (specimens from ALAC comparative collection) 3.5
3.5 Plains Woodland pottery from central Nebraska (from *Nebraska History* 1994:108-109) 3.6
3.6 Selection of Coalescent ceramic rims recovered from separate Missouri River sites in South Dakota. Wares depicted from left to right include: Grey Cloud Ware from the Crow Creek site (39BF11), Buffalo County; Talking Crow Ware from the Talking Crow site (39BF3), Buffalo County; and La Roche Ware from the La Roche site (39ST9), Stanley County (specimens from ALAC comparative collection) 3.7
3.7 Sioux encampment as depicted during the Bear Dance (painting by George Catlin, 1847) 3.9
3.8 George A. Custer's military expedition into the Black Hills, 1874 (photograph by William H. Illingworth, courtesy of the National Archives) 3.10

LIST OF FIGURES CONTINUED

Figure **Page**

3.9 Free-range livestock indicating the importance of ranching to the economies of Custer and Fall River counties, South Dakota 3.12

4.1 Satellite image demarcating the proposed Dewey-Burdock Uranium Project APE in Custer and Fall River counties, South Dakota (courtesy of SDGS 2006a, 2006b) 4.10
4.2 Map demarcating the northwesternmost portion of the Dewey-Burdock Uranium Project APE (USGS 7.5-minute topographic quadrangles Dewey (1951) and Twenty-One Divide (1951)) 4.12
4.3 Map demarcating the north-central portion of the Dewey-Burdock Uranium Project APE (USGS 7.5-minute topographic quadrangles Burdock (1950 [photoinspected 1976]) and Twenty-One Divide (1951)) 4.13
4.4 Map demarcating the south-central portion of the Dewey-Burdock Uranium Project APE (USGS 7.5-minute topographic quadrangles Burdock (1950 [photoinspected 1976]) and Twenty-One Divide (1951)) 4.14
4.5 Map demarcating the easternmost portion of the Dewey-Burdock Uranium Project APE (USGS 7.5-minute topographic quadrangle Burdock (1950 [photoinspected 1976])) 4.15
4.6 Measurements taken for recovered projectile points (adapted from Ahler 1975) 4.18
4.7 Measurements taken for recovered scrapers (adapted from Ahler 1975) 4.18

5.1 Overview of site 39CU251, facing east 5.5
5.2 Plan view of site 39CU251 ..... 5.6
5.3 Artifacts collected from site 39CU251: (A) quartz retouched flake (catalog number 35-260-2); (B) projectile point midsection (catalog number 35-260-1); (C) projectile point base (catalog number 35-260-4); (D) projectile point base (catalog number 35-260-5); (E) projectile point base (catalog number 35-260-7); (F) Oxbow projectile point base (catalog number 35-260-6); (G) Pelican Lake projectile point (catalog number 35-260-3) 5.8
5.4 Plan view of expanded site 39CU271 demarcating boundaries of previously recorded sites 39CU271, 39CU273, and 39CU533 ..... 5.11
5.5 Overview of Concentration A, site 39CU271, facing east 5.13
5.6 Plan view of site 39CU271 demarcating concentrations A-F 5.14
5.7 Plan view of Concentration A, site 39CU271 ..... 5.15
5.8 Overview of Concentration B, site 39CU271, facing northwest 5.16
5.9 Plan view of Concentration B, site 39CU271 ..... 5.17
5.10 Overview of Concentration B, site 39CU271, facing south 5.18
5.11 Overview of Concentration C, site 39CU271, facing north 5.19
5.12 Overview of Concentration C, site 39CU271, facing east 5.19
5.13 Plan view of Concentration C, site 39CU271 ..... 5.20
5.14 Plan view of Concentration D, site 39CU271 ..... 5.22
5.15 Plan view of Concentration E, site 39CU271 ..... 5.23
5.16 Overview of Concentration F, site 39CU271, facing north 5.24
5.17 Overview of Concentration F, site 39CU271, facing west 5.24

LIST OF FIGURES CONTINUED

Figure		Page
5.18	Plan view of Concentration F, site 39CU271	5.25
5.19	Close-up of Hearths 1-4, Concentration A, site 39CU271	5.26
5.20	Close-up of Hearths 5-10, Concentration A, site 39CU271	5.27
5.21	Projectile point specimen (catalog number 29-173-1), Concentration B, site 39CU271	5.28
5.22	Close-up of Hearths 11 and 12, Concentration B, site 39CU271	5.28
5.23	Close-up of Hearths 13-20, Concentration B, site 39CU271	5.29
5.24	Close-up of Hearths 21-28, Concentration B, site 39CU271	5.30
5.25	Close-up of Hearths 29-31, Concentration B, site 39CU271	5.31
5.26	Close-up of Hearths 32 and 33, Concentration C, site 39CU271 (photographs of Hearths 34 and 35 not available)	5.32
5.27	Close-up of Hearths 48-50, Concentration E, site 39CU271	5.33
5.28	Close-up of Hearths 36-43, Concentration F, site 39CU271	5.34
5.29	Close-up of Hearths 44-47 and 51-54, Concentration F, site 39CU271	5.35
5.30	Close-up of Cairn 1, Concentration F, site 39CU271	5.36
5.31	Overview of site 39CU451, facing east	5.38
5.32	Plan view of site 39CU451	5.39
5.33	Overview of eroded portion of site 39CU459, facing west	5.41
5.34	Plan view of site 39CU459	5.42
5.35	Overview of intact portion of site 39CU459, facing west	5.43
5.36	Site 39CU459, Close-up of Hearths 1-8	5.44
5.37	Site 39CU459, Hearths 9-16, facing north	5.45
5.38	Site 39CU459, Hearth 17, facing west and Hearth 18, facing north	5.46
5.39	Artifacts collected from site 39CU459: (A) rectangular biface (catalog number 33-186/195-1); (B) pointed biface (catalog number 33-186/195-3); (C) ovoid core (catalog number 33-186/195-2)	5.46
5.40	View of cairn on site 39CU459, facing northwest	5.47
5.41	Overview of site 39CU460, facing south	5.48
5.42	Plan view of site 39CU460	5.49
5.43	Site 39CU460, close-up of Hearths 1-3	5.50
5.44	Site 39CU460, close-up of Hearths 4 and 5	5.50
5.45	Overview of site 39CU463, facing south	5.51
5.46	Plan view of site 39CU463 with expanded site boundaries	5.52
5.47	Overview of site 39CU464, facing south	5.54
5.48	Plan view of site 39CU464 with expanded site boundaries	5.55
5.49	Plan view of site 39CU530	5.57
5.50	Overview of Concentration A, site 39CU530, facing north	5.58
5.51	Overview of Concentration B, site 39CU530, facing southeast	5.59
5.52	Close-up of Hearths 1 and 2, Concentration A, site 39CU530	5.60
5.53	Close-up of Hearths 4, 5, 7, and 8, Concentration A, site 39CU530	5.60
5.54	Close-up of Hearths 9, 12, 13, 15, and 16, Concentration A, site 39CU530	5.61
5.55	Incomplete biface specimen, Concentration B, site 39CU530 (catalog number 28-213-1)	5.62
5.56	Close-up of Hearths 17-25, Concentration B, site 39CU530	5.63

LIST OF FIGURES CONTINUED

Figure **Page**

5.57 Close-up of Hearths 27-29, Concentration B, site 39CU530 ..... 5.64
5.58 Close-up of Cairn 1, Concentration B, site 39CU530 ..... 5.64
5.59 Overview of site 39CU531, facing southeast 5.66
5.60 Plan view of site 39CU531 ..... 5.67
5.61 Complete corner-notched projectile point (catalog number 32-264-1) collected from site 39CU531 ..... 5.68
5.62 Plan view of site 39CU532 ..... 5.70
5.63 Overview of site 39CU532, facing north 5.71
5.64 Site 39CU532, end scraper (catalog number 33-223-1) 5.72
5.65 Plan view of site 39CU556 ..... 5.73
5.66 Overview of site 39CU556, facing east 5.74
5.67 Overview of northern portion of site 39CU557, facing south 5.76
5.68 Overview of southern portion of site 39CU557, facing south-southwest 5.76
5.69 Plan view of site 39CU557 ..... 5.77
5.70 View of biface fragments (catalog numbers 29-210-2 and 29-210-3) from northern portion of site 39CU557 ..... 5.79
5.71 View of biface fragments (catalog numbers 29-210-4 and 29-210-5) from northern portion of site 39CU557 ..... 5.79
5.72 Incomplete projectile point specimen (catalog number 29-210-1) from northern portion of site 39CU557 ..... 5.80
5.73 Incomplete biface specimen (catalog number 29-212-7) from southern portion of site 39CU557 ..... 5.80
5.74 Nearly complete projectile point (catalog number 32-288-1) from the southern portion of site 39CU557 ..... 5.81
5.75 Plan view of site 39CU559 ..... 5.83
5.76 Overview of site 39CU559, facing south-southeast 5.84
5.77 Incomplete projectile point specimen (catalog number 32-289-1) from site 39CU559 ..... 5.85
5.78 Plan view of site 39CU648 ..... 5.87
5.79 Overview of site 39CU648, facing northwest 5.88
5.80 Map of site 39CU2000 (USGS 7.5-minute topographic quadrangles Dewey (1951) and Twenty-One Divide (1951)) 5.90
5.81 Overview of site 39CU2000 as seen passing through Section 33, facing east-northeast 5.91
5.82 Plan view of site 39CU3561 ..... 5.93
5.83 Overview of site 39CU3561, facing east 5.94
5.84 Plan view of site 39CU3562 ..... 5.95
5.85 Overview of site 39CU3562, facing south-southwest 5.96
5.86 Plan view of site 39CU3563 ..... 5.98
5.87 Overview of site 39CU3563, facing south-southwest 5.99
5.88 Overview of site 39CU3564, facing northwest 5.100
5.89 Plan view of site 39CU3564 ..... 5.101
5.90 View of cairn feature, site 39CU3564, facing north 5.103
5.91 Plan view of site 39CU3565 ..... 5.105

LIST OF FIGURES CONTINUED

Figure **Page**

5.92 Overview of site 39CU3565, facing south....5.106
5.93 Complete scraper collected from site 39CU3565 (catalog number 28-216-1)....5.106
5.94 Overview of site 39CU3566, facing north....5.107
5.95 Plan view of site 39CU3566....5.108
5.96 Medicine bottles collected from site 39CU3566. Top left: Item 29-163-1; top right: Item 29-163-2; lower left: Item 29-163-3; lower right: Item 29-163-4....5.110
5.97 Overview of site 39CU3567, facing west....5.111
5.98 Plan view of site 39CU3567....5.112
5.99 Projectile point (catalog number 29-165-1) recovered from site 39CU3567....5.113
5.100 Plan view of stone circle feature, site 39CU3567....5.114
5.101 Stone circle, site 39CU3567, facing northeast....5.115
5.102 Overview of site 39CU3568, facing southeast....5.116
5.103 Plan view of site 39CU3568....5.117
5.104 Plan view of site 39CU3569....5.119
5.105 Overview of site 39CU3569, facing southeast....5.120
5.106 Plan view of site 39CU3570....5.122
5.107 Overview of site 39CU3570, facing southwest....5.123
5.108 Overview of site 39CU3571, facing northwest....5.124
5.109 Plan view of site 39CU3571....5.125
5.110 Plan view of site 39CU3572....5.127
5.111 Overview of site 39CU3572, facing southeast....5.128
5.112 Projectile points collected from site 39CU3572. Left: catalog number 29-212-2; right: catalog number 29-212-3....5.130
5.113 Complete end scraper specimen (catalog number 29-212-4) collected from site 39CU3572....5.130
5.114 Incomplete biface specimens collected from site 39CU3572. Left: catalog number 29-212-5; right: catalog number 29-212-6....5.131
5.115 View of Stone Circle 1, site 39CU3572, facing southwest....5.131
5.116 Plan view of Stone Circle 1, site 39CU3572....5.132
5.117 Overview of site 39CU3573, facing west....5.134
5.118 Plan view of site 39CU3573....5.135
5.119 Close-up of Hearth 1, site 39CU3573....5.136
5.120 Plan view of site 39CU3574....5.138
5.121 Plan view of hearth concentration, site 39CU3574....5.139
5.122 Overview of site 39CU3574, facing south....5.140
5.123 Projectile points collected from site 39CU3574. Left: catalog number 29-252-1; right: catalog number 29-252-2....5.141
5.124 Complete end scraper (catalog number 29-252-3) collected from site 39CU3574....5.142
5.125 Close-up of Hearths 1-4, site 39CU3574....5.142
5.126 Close-up of Hearths 5-12, site 39CU3574....5.143
5.127 Close-up of Hearths 13-15, site 39CU3574....5.144
5.128 Overview of site 39CU3575, facing west....5.145
5.129 Plan view of site 39CU3575....5.146
5.130 Complete end scraper specimen from site 39CU3575 (catalog number 29-253-1)..5.147

LIST OF FIGURES CONTINUED

Figure **Page**

5.131 Plan view of site 39CU3576 ..... 5.149
5.132 Overview of site 39CU3576, facing southwest 5.150
5.133 Projectile point (catalog number 30-161-1) collected from site 39CU3576 ..... 5.150
5.134 Plan view of site 39CU3577 ..... 5.152
5.135 Overview of site 39CU3577, facing north 5.153
5.136 Overview of site 39CU3578, facing southeast 5.154
5.137 Plan view of site 39CU3578 ..... 5.155
5.138 Plan view of site 39CU3579 ..... 5.157
5.139 Overview of site 39CU3579, facing north 5.158
5.140 Overview of site 39CU3580, facing north 5.159
5.141 Plan view of site 39CU3580 ..... 5.160
5.142 Overview of site 39CU3581, facing north 5.161
5.143 Plan view of site 39CU3581 ..... 5.162
5.144 Plan view of site 39CU3582 ..... 5.164
5.145 Overview of site 39CU3582, facing northeast 5.165
5.146 Overview of site 39CU3583, facing south 5.166
5.147 Plan view of site 39CU3583 ..... 5.167
5.148 Detail of historic features, site 39CU3583 ..... 5.168
5.149 Possible campfire ring, site 39CU3583 ..... 5.170
5.150 Depression, site 39CU3583 ..... 5.170
5.151 Brooch, site 39CU3583 ..... 5.171
5.152 Decorative trim, site 39CU3583 ..... 5.171
5.153 Overview of site 39CU3584, facing southwest 5.173
5.154 Overview of site 39CU3584, facing southeast 5.174
5.155 Overview of site 39CU3584, facing east 5.174
5.156 Plan view of site 39CU3584 ..... 5.175
5.157 Projectile point (catalog number 30-162-1) on left and biface (catalog number 30-258-1) on right from site 39CU3584 ..... 5.177
5.158 Cairn 1, site 39CU3584 ..... 5.177
5.159 Cairn 2, site 39CU3584 ..... 5.178
5.160 Overview of site 39CU3585, facing north 5.179
5.161 Plan view of site 39CU3585 ..... 5.180
5.162 Collected artifacts, site 39CU3585. (A): contracting stem projectile point base, (catalog number 31-187-1); (B): complete biface (catalog number 31-187-2); (C): biface midsection (catalog number 31-187-3) 5.182
5.163 Ceramic body sherd specimens (catalog number 31-187-6), site 39CU3585 ..... 5.183
5.164 Ceramic specimens collected from site 39CU3585. Left: whiteware fragment with maker's mark (catalog number 31-187-4). Right: ironstone fragment with maker's mark (catalog number 31-187-5) 5.184
5.165 Close-up of washed-out hearth feature eroding down slope, site 39CU3585 ..... 5.184
5.166 Plan view of site 39CU3586 ..... 5.186
5.167 Overview of site 39CU3586, facing south 5.187
5.168 Overview of site 39CU3587, facing north 5.188
5.169 Plan view of site 39CU3587 ..... 5.189

LIST OF FIGURES CONTINUED

Figure **Page**

5.170 View of Euroamerican Burials 1 and 2 at site 39CU3587, facing south 5.190
5.171 Close-up of Euroamerican Burial 1, site 39CU3587 ..... 5.191
5.172 Close-up of Euroamerican Burial 2, site 39CU3587 ..... 5.191
5.173 Plan view of Euroamerican Burials 1 and 2, site 39CU3587 ..... 5.192
5.174 Plan view of site 39CU3588 ..... 5.194
5.175 Overview of site 39CU3588, facing north 5.195
5.176 Overview of site 39CU3589, facing north 5.196
5.177 Plan view of site 39CU3589 ..... 5.197
5.178 Plan view of site 39CU3590 ..... 5.199
5.179 Overview of site 39CU3590, facing east 5.200
5.180 Plan view of site 39CU3591 ..... 5.202
5.181 Overview of site 39CU3591, facing east 5.203
5.182 Plan view of site 39CU3592 ..... 5.204
5.183 Overview of site 39CU3592, facing southeast 5.205
5.184 Overview of site 39CU3593, facing northeast 5.206
5.185 Plan view of site 39CU3593 ..... 5.207
5.186 View of projectile point (catalog number 32-288-1) collected from site 39CU3593 ..... 5.208
5.187 Overview of site 39CU3594, facing southeast 5.209
5.188 Plan view of site 39CU3594 ..... 5.210
5.189 View of retouched flake (catalog number 32-289-2) collected from site 39CU3594 ..... 5.211
5.190 Overview of site 39CU3595, facing southwest 5.212
5.191 Plan view of site 39CU3595 ..... 5.213
5.192 Plan view of site 39CU3596 ..... 5.215
5.193 Overview of site 39CU3596, facing southwest 5.216
5.194 Overview of site 39CU3597, facing north 5.217
5.195 Plan view of site 39CU3597 ..... 5.218
5.196 Plan view of site 39CU3598 ..... 5.220
5.197 Overview of site 39CU3598, facing southeast 5.221
5.198 View of projectile point (catalog number 32-3-1) collected from site 39CU3598 ..... 5.222
5.199 View of end scraper (catalog number 32-3-4) collected from site 39CU3598 ..... 5.223
5.200 View of biface base (catalog number 32-3-2) collected from site 39CU3598 ..... 5.223
5.201 View of biface (catalog number 32-3-5) collected from site 39CU3598 ..... 5.224
5.202 View of biface (catalog number 32-3-6) collected from site 39CU3598 ..... 5.224
5.203 View of biface (catalog number 32-3-7) collected from site 39CU3598 ..... 5.224
5.204 Overview of site 39CU3599, facing south 5.225
5.205 Plan view of site 39CU3599 ..... 5.226
5.206 Historic ceramics collected from site 39CU3599. Left: whiteware fragment (catalog number 32-262-2); right: porcelain fragment (catalog number 32-262-3) 5.228
5.207 View of bottle base (catalog number 32-262-6) collected from site 39CU3599 ..... 5.229
5.208 View of privy remains (F1) at site 39CU3599, facing northwest 5.229

LIST OF FIGURES CONTINUED

Figure **Page**

5.209 View of corral (F2) at site 39CU3599, facing northeast....5.230
5.210 View of pitched roof debris at site 39CU3599, facing northeast....5.231
5.211 View of depression (F3) at site 39CU3599, facing northeast....5.231
5.212 View of outbuilding remnants (F4) at site 39CU3599, facing north-northeast....5.232
5.213 View of storm cellar (F5) at site 39CU3599, facing northeast....5.232
5.214 Overview of site 39CU3600, facing east....5.233
5.215 Plan view of site 39CU3600....5.234
5.216 Stone alignment, site 39CU3600, facing north....5.236
5.217 Plan view of stone alignment, site 39CU3600....5.237
5.218 Spokeshave (catalog number 33-191-1) collected from site 39CU3600....5.238
5.219 Plan view of site 39CU3601....5.240
5.220 Overview of site 39CU3602, facing west....5.241
5.221 Plan view of site 39CU3602....5.242
5.222 Overview of site 39CU3603, facing southwest....5.244
5.223 Plan view of site 39CU3603....5.245
5.224 Close-up of Hearths 1 and 2, site 39CU3603....5.246
5.225 Close-up of Hearths 3-8, site 39CU3603....5.247
5.226 Overview of site 39CU3604, facing east....5.249
5.227 Plan view of site 39CU3604....5.250
5.228 Close-up view of Hearths 1 and 2, site 39CU3604....5.251
5.229 Close-up view of Hearths 3-6, site 39CU3604....5.252
5.230 Close-up view of Stone Circles 1 and 2, site 39CU3604....5.252
5.231 Plan view of site 39CU3605....5.254
5.232 Overview of site 39CU3605, facing west....5.255
5.233 Close-up view of Hearths 1-6, site 39CU3605....5.256
5.234 Close-up view of Hearths 7-10, site 39CU3605....5.257
5.235 Overview of site 39CU3606, facing southeast....5.258
5.236 Plan view of site 39CU3606....5.259
5.237 Artifacts collected from site 39CU3606: (A) complete projectile point (catalog number 33-206-1); (B) projectile point (catalog number 33-206-2); (C) projectile point midsection (catalog number 33-206-3); (D) projectile point midsection (catalog number 33-206-4); (E) biface midsection (catalog number 33-206-5); (F) complete ovoid biface (catalog number 33-206-6); (G) retouched chert flake (catalog number 33-206-8); (H) retouched obsidian flake (catalog number 33-206-9); (I) notched end scraper (catalog number 33-206-7)....5.263
5.238 Close-up of Hearths 1-3, site 39CU3606....5.264
5.239 Overview of site 39CU3607, facing southeast....5.265
5.240 Plan view of site 39CU3607....5.266
5.241 Site 39CU3607, eroded hearth, facing north....5.267
5.242 Overview of site 39CU3608, facing northwest....5.268
5.243 Plan view of site 39CU3608....5.269
5.244 View of end scraper (catalog number 33-216b-1) collected from site 39CU3608....5.270
5.245 View of hearth at site 39CU3608, facing north....5.271

LIST OF FIGURES CONTINUED

Figure **Page**

5.246 Overview of site 39CU3609, facing southeast 5.272
5.247 Plan view of site 39CU3609 ..... 5.273
5.248 Overview of site 39CU3610 (foreground) and 39CU3611, facing west 5.274
5.249 Plan view of site 39CU3610 ..... 5.275
5.250 Plan view of site 39CU3611 ..... 5.277
5.251 Site 39CU3611, hearth, facing northwest 5.278
5.252 Overview of site 39CU3612, facing southwest 5.279
5.253 Plan view of site 39CU3612 ..... 5.280
5.254 Close-up of Hearths 1-6, site 39CU3612 ..... 5.282
5.255 Plan view of site 39CU3613 ..... 5.284
5.256 Overview of site 39CU3613, facing southeast 5.285
5.257 Plan view of site 39CU3614 ..... 5.287
5.258 Overview of site 39CU3615, facing southeast 5.288
5.259 Plan view of site 39CU3615 ..... 5.289
5.260 Tinkling cone (catalog number 34-148-1) collected from site 39CU3615 ..... 5.290
5.261 Plan view of site 39CU3616 ..... 5.292
5.262 Overview of site 39CU3616, facing northeast 5.293
5.263 Plan view of site 39CU3617 ..... 5.294
5.264 Overview of site 39CU3617, facing southwest 5.295
5.265 Projectile point base (catalog number 34-158-1) collected from site 39CU3617 ..... 5.295
5.266 Overview of site 39CU3618, facing northwest 5.296
5.267 Plan view of site 39CU3618 ..... 5.297
5.268 Plan view of site 39CU3619 ..... 5.299
5.269 Plan view of primary feature concentration, site 39CU3619 ..... 5.300
5.270 Overview of site 39CU3619, facing northeast 5.301
5.271 Site 39CU3619, Building 1, facing southeast 5.302
5.272 Site 39CU3619, Building 2, facing southeast 5.303
5.273 Site 39CU3619, Building 3, facing northwest 5.303
5.274 Site 39CU3619, Building 4, facing northeast 5.304
5.275 Site 39CU3619, Building 5, facing northeast 5.305
5.276 Site 39CU3619, Building 6, facing northwest 5.305
5.277 Site 39CU3619, Building 7, facing northwest 5.306
5.278 Site 39CU3619, interior of Building 7, facing north 5.306
5.279 Site 39CU3619, Building 8, facing northwest 5.307
5.280 Site 39CU3619, Building 9, facing northwest 5.308
5.281 Site 39CU3619, Feature 1, facing south 5.308
5.282 Site 39CU3619, Feature 3, facing north 5.309
5.283 Site 39CU3619, Feature 4, facing south-southeast 5.310
5.284 Site 39CU3619, Feature 6, facing northwest 5.310
5.285 Site 39CU3619, Feature 7, facing southwest 5.311
5.286 Site 39CU3619, Feature 8, facing north 5.311
5.287 Site 39CU3619, Feature 9, facing north 5.312
5.288 Site 39CU3619, Rapid City Journal newspaper page (catalog number 34-189-1) 5.314

LIST OF FIGURES CONTINUED

Figure **Page**

5.289 Site 39CU3619, cancelled check (catalog number 34-189-3) 5.314
5.290 South Dakota license plates from site 39CU3619. Left: from 1938 (catalog number 34-189-4); right: from 1928 (catalog number 34-189-5) 5.315
5.291 Site 39CU3619, possible teapot lid (catalog number 34-189-7) 5.315
5.292 Site 39CU3619, light fixture (catalog number 34-189-8) 5.316
5.293 Site 39CU3619, ceramic coffee maker filter (catalog number 34-189-6) 5.316
5.294 Site 39CU3619, clear bottle (catalog number 34-189-9) 5.317
5.295 Site 39CU3619, brown bottle (catalog number 34-189-10) 5.317
5.296 Site 39CU3619, honey-colored bottle (catalog number 34-189-11) 5.318
5.297 Overview of site 39CU3620, facing northwest 5.319
5.298 Plan view of site 39CU3620 ....5.320
5.299 Close-up of Hearths 1-4, site 39CU3620 ....5.321
5.300 Close-up of Hearths 5, 7 and 8, site 39CU3620 ....5.322
5.301 Overview of site 39CU3621, facing south-southwest 5.324
5.302 Plan view of site 39CU3621 ....5.325
5.303 Projectile point tip (catalog number 35-155-1) collected from site 39CU3621 ....5.326
5.304 Biface base (catalog number 35-155-2) collected from site 39CU3621 ....5.327
5.305 Overview of site 39CU3622, facing northwest 5.328
5.306 Plan view of site 39CU3622 ....5.329
5.307 Overview of site 39CU3623, facing northeast 5.331
5.308 Plan view of site 39CU3623 ....5.332
5.309 Projectile point base (catalog number 35-219-1) and projectile point (catalog number 35-219-2) collected from site 39CU3623 ....5.334
5.310 Pointed biface (catalog number 35-219-4) and biface base (catalog number 35-219-3) collected from site 39CU3623 ....5.335
5.311 Overview of site 39CU3624 (Area A), facing southeast 5.336
5.312 Plan view of site 39CU3624 ....5.337
5.313 Projectile point base (catalog number 35-222-1) collected from site 39CU3624 ..5.338
5.314 End scraper (catalog number 35-222-2) collected from site 39CU3624 ....5.339
5.315 Overview of site 39CU3771, facing northwest 5.340
5.316 Plan view of site 39CU3771 ....5.341
5.317 Plan view of site 39CU3772 ....5.343
5.318 Overview of site 39CU3772, facing south 5.344
5.319 Overview of site 39CU3773, facing north-northeast 5.345
5.320 Plan view of site 39CU3773 ....5.346
5.321 Plan view of site 39CU3774 ....5.348
5.322 Overview of site 39CU3774, facing north 5.349
5.323 Overview of site 39CU3775, facing south 5.350
5.324 Plan view of site 39CU3775 ....5.351
5.325 Plan view of site 39CU3776 ....5.353
5.326 Overview of site 39CU3776, facing north 5.354
5.327 Primary rock shelter at site 39CU3776, facing west 5.354
5.328 Plan view of site 39CU3777 ....5.356
5.329 Overview of site 39CU3777, facing east 5.357

LIST OF FIGURES CONTINUED

Figure **Page**

5.330 Overview of site 39CU3778, facing east 5.358
5.331 Plan view of site 39CU3778 ..... 5.359
5.332 Rock shelter at site 39CU3779, facing northeast 5.360
5.333 Plan view of site 39CU3779 ..... 5.361
5.334 Overview of site 39CU3780, facing southeast 5.363
5.335 Plan view of site 39CU3780 ..... 5.364
5.336 View of projectile point blade (catalog number 35-279-1) collected from site 39CU3780 ..... 5.365
5.337 Overview of site 39CU3781, facing southwest 5.366
5.338 Plan view of site 39CU3781 ..... 5.367
5.339 Plan view of site 39CU3782 ..... 5.369
5.340 Overview of site 39CU3782, facing southeast 5.370
5.341 View of pointed biface (catalog number 35-282-1) from site 39CU3782 ..... 5.371
5.342 Plan view of site 39CU3783 ..... 5.372
5.343 Overview of site 39CU3783, facing east 5.373

6.1 Overview of northeast portion of site 39FA96, showing the typical landscape of Pine Hill, facing west 6.5
6.2 Plan view of site 39FA96 with expanded site boundaries 6.6
6.3 Map showing locations of concentration Areas 1-8 within site 39FA96 ..... 6.7
6.4 Plan view of Area 1 of site 39FA96 ..... 6.8
6.5 View of projectile points (catalog numbers 10-39-1, 10-39-2, 10-39-4, 10-39-5, 10-39-6, and 10-39-7) collected from Area 1, site 39FA96 ..... 6.12
6.6 View of scrapers (catalog numbers 10-38-1 and 10-39-9) collected from Area 1, site 39FA96 ..... 6.13
6.7 View of bifaces (catalog numbers 10-39-10, 10-39-11, 10-39-12, 10-39-24) and biface tip (catalog number 10-39-15) collected from Area 1, site 39FA96 ..... 6.14
6.8 View of bifaces (catalog numbers 10-39-17, 10-39-20, 10-39-18, 10-39-23, and 10-39-22) and biface tip (catalog number 10-39-16) collected from Area 1, site 39FA96 ..... 6.15
6.9 View of celt preform (catalog number 10-39-25) and mano (catalog number 10-39-26) collected from Area 1, site 39FA96 ..... 6.16
6.10 View of a representative hearth of Area 1, site 39FA96, facing south 6.16
6.11 Plan view of Area 2 of site 39FA96 ..... 6.18
6.12 View of projectile point (catalog number 10-58-1) collected from site 39FA96 ..... 6.19
6.13 Plan view of Area 3 of site 39FA96 ..... 6.20
6.14 View of projectile point (catalog number 10-55-1) collected from Area 3, site 39FA96 ..... 6.22
6.15 View of obsidian end scraper (catalog number 10-55-2) and chert end scraper (catalog number 10-55-3) collected from Area 3, site 39FA96 ..... 6.22
6.16 View of biface (catalog number 10-55-4) and obsidian flake (catalog number 10-55-6) collected from Area 3, site 39FA96 ..... 6.23
6.17 View of hearth within Area 3 of site 39FA96 ..... 6.23
6.18 View of possible historic grave within Area 3 of site 39FA96 ..... 6.24

LIST OF FIGURES CONTINUED

Figure **Page**

6.19 Plan view of Area 4 of site 39FA96....6.25
6.20 View of hearth in Area 4 of site 39FA96, facing west....6.26
6.21 View of enigmatic rock concentration in Area 4 of site 39FA96, facing west....6.27
6.22 Plan view of Area 5 of site 39FA96....6.28
6.23 View of drill (catalog number 10-50-1) and biface (catalog number 10-50-2) collected from Area 5 of site 39FA96....6.29
6.24 Plan view of Area 6 of site 39FA96....6.30
6.25 View of scrapers (catalog numbers 10-46-1, 10-46-2, 10-46-3, and 10-46-4) collected from Area 6, site 39FA96....6.32
6.26 Close-up of intact hearth (H1), Area 6, site 39FA96 (similar to H5 and H14)....6.33
6.27 View of partially intact hearth (H17), Area 6, site 39FA96 (similar to H2-H4, H8-H11, and H15-H16)....6.33
6.28 View of eroded hearth (H13), Area 6, site 39FA96 (similar to H6-H7, H12, and H18-H20)....6.34
6.29 Plan view of Area 7 of site 39FA96....6.35
6.30 Overview of historic dump in ravine in Area 7 of site 39FA96, facing north....6.36
6.31 Overview of prehistoric artifact scatter along ridge, Area 7, site 39FA96, facing west....6.36
6.32 View of projectile point (catalog number 10-49-1) collected from Area 7, site 39FA96....6.39
6.33 Plan view of Area 8 of site 39FA96....6.40
6.34 View of end scraper (catalog number 10-2-3) collected from Area 8 of site 39FA96....6.41
6.35 View of biface base (catalog number 10-2-4) collected from Area 8 of site 39FA96....6.41
6.36 View of Kerr preserves jar base (10-2-1) collected from Area 8, site 39FA96....6.42
6.37 View of glass bottle base (catalog number 10-2-2) collected from Area 8, site 39FA96....6.42
6.38 View of F1 in Area 8, site 39FA96, facing northwest....6.43
6.39 View of F1 in Area 8, site 39FA96, facing southeast....6.43
6.40 View of F2 in Area 8, site 39FA96, facing northwest....6.44
6.41 View of F4 in Area 8, site 39FA96, facing northeast....6.44
6.42 View of F5 in Area 8, site 39FA96, facing north....6.45
6.43 Close-up of historic debris in F5 in Area 8 of site 39FA96....6.45
6.44 Overview of site 39FA97, facing east....6.47
6.45 Plan view of site 39FA97....6.48
6.46 Overview of site 39FA251, facing north-northeast....6.50
6.47 Plan view of site 39FA251....6.51
6.48 Overview of site 39FA251, facing west....6.52
6.49 View of biface (catalog number 12-88-1) collected from site 39FA251....6.53
6.50 Overview of site 39FA269, facing west....6.54
6.51 Plan view of site 39FA269....6.55
6.52 View of biface (catalog number 12-133-1) and flake (catalog number 12-133-2) collected from site 39FA269....6.56

LIST OF FIGURES CONTINUED

Figure		Page
6.53	Overview of site 39FA272, facing south	6.57
6.54	Plan view of site 39FA272	6.58
6.55	Plan view of site 39FA273	6.60
6.56	Overview of site 39FA273, facing northwest	6.61
6.57	View of projectile point (catalog number 2-113-1) collected from site 39FA273	6.62
6.58	View of Cabin 1, site 39FA557, facing southeast	6.64
6.59	View of Cabin 1, site 39FA557, facing northwest	6.64
6.60	View of Cabin 2, site 39FA557, facing southwest	6.65
6.61	View of Cabin 2, site 39FA557, facing northeast	6.65
6.62	View of root cellar, site 39FA557, facing south	6.66
6.63	Overview of site 39FA584, facing east	6.67
6.64	Plan view of site 39FA584	6.68
6.65	View of glass marble (catalog number 3-80-1) and quartz marble (3-80-2) collected from site 39FA584	6.70
6.66	View of spoon (3-80-3) collected at site 39FA584	6.70
6.67	View of Dr. Pepper bottle (3-80-4) collected from site 39FA584	6.71
6.68	View of milk tester vial (catalog number 3-80-5) collected from site 39FA584	6.71
6.69	View of cistern (F1) on site 39FA584, facing east	6.72
6.70	View of well pipe and pump (F2) on site 39FA584	6.73
6.71	View of depression (F3) at site 39FA584, facing north	6.73
6.72	View of railroad tie platform (F4) at site 39FA584, facing northwest	6.74
6.73	View of depression (F5) at site 39FA584, facing southeast	6.74
6.74	View of collapsed log house (F6) at site 39FA584, facing southeast	6.75
6.75	View of F6 at site 39FA584, facing north	6.75
6.76	View of storm cellar (F7) at site 39FA584, facing south	6.76
6.77	Overview of site 39FA740, facing west	6.77
6.78	Plan view of site 39FA740	6.78
6.79	View of projectile point (catalog number 3-72-1) collected from site 39FA740	6.79
6.80	View of projectile point (catalog number 3-72-2) collected from site 39FA740	6.80
6.81	View of scraper (catalog number 3-72-3) collected from site 39FA740	6.80
6.82	View of foundation remnants and cistern, site 39FA778, facing southwest	6.81
6.83	View of dugout and a segment of collapsed corral fencing, site 39FA778, facing west-southwest	6.82
6.84	Overview of site 39FA1859, facing northwest	6.83
6.85	Plan view of site 39FA1859	6.84
6.86	Overview of site 39FA1860, facing east	6.85
6.87	Plan view of site 39FA1860	6.86
6.88	Overview of site 39FA1861, facing south	6.88
6.89	Plan view of site 39FA1861	6.89
6.90	Plan view of site 39FA1862	6.91
6.91	Overview of site 39FA1862, facing northwest	6.92
6.92	Plan view of the southernmost portion of site 39FA1862, exhibiting Cairns 1 and 2 and associated artifact material	6.93
6.93	Close-up of Cairn 1, site 39FA1862	6.94

LIST OF FIGURES CONTINUED

Figure **Page**

6.94 Close-up of Cairn 2, site 39FA1862 ..... 6.94
6.95 Close-up of Cairn 3, site 39FA1862 ..... 6.95
6.96 Close-up of Cairn 4, site 39FA1862 ..... 6.95
6.97 View of Stone Circle 1, site 39FA1862 ..... 6.96
6.98 Plan view of Stone Circle 1, site 39FA1862 ..... 6.97
6.99 View of Stone Circle 2, site 39FA1862 ..... 6.98
6.100 Plan view of Stone Circle 2, site 39FA1862 ..... 6.99
6.101 View of Stone Circle 3, site 39FA1862 ..... 6.100
6.102 Plan view of Stone Circle 3, site 39FA1862 ..... 6.101
6.103 Plan view of site 39FA1863 ..... 6.104
6.104 Overview of site 39FA1863, facing south-southeast 6.105
6.105 Plan view of the cairn, stone circle, and associated artifact material, site 39FA1863 ..... 6.104
6.106 View of Alignment 1, site 39FA1863 ..... 6.107
6.107 Plan view of site 39FA1864 ..... 6.110
6.108 Overview of site 39FA1864, facing northeast 6.111
6.109 Overview of site 39FA1865, facing west 6.112
6.110 Plan view of site 39FA1865 ..... 6.113
6.111 View of pointed biface (catalog number 4-99-1) collected from site 39FA1865 ..... 6.114
6.112 Overview of site 39FA1868, facing east 6.116
6.113 Plan view of site 39FA1868 ..... 6.117
6.114 Plan view of site 39FA1869 ..... 6.119
6.115 Overview of site 39FA1869, facing northeast 6.120
6.116 View of projectile point (catalog number 1-145-1) collected from site 39FA1869 ..... 6.121
6.117 Plan view of site 39FA1870 ..... 6.122
6.118 Overview of site 39FA1870, facing south 6.123
6.119 Overview of site 39FA1871, facing east 6.124
6.120 Plan view of site 39FA1871 ..... 6.125
6.121 Plan view of site 39FA1872 ..... 6.127
6.122 Plan view of site 39FA1873 ..... 6.129
6.123 Overview of site 39FA1873, facing north 6.130
6.124 Overview of site 39FA1874, facing west 6.131
6.125 Plan view of site 39FA1874 ..... 6.132
6.126 Overview of site 39FA1875, facing south 6.133
6.127 Plan view of site 39FA1875 ..... 6.134
6.128 Plan view of site 39FA1876 ..... 6.136
6.129 Overview of site 39FA1876, facing south 6.137
6.130 Overview of site 39FA1877, facing southwest 6.138
6.131 Plan view of site 39FA1877 ..... 6.139
6.132 Overview of site 39FA1878, facing south 6.140
6.133 Plan view of site 39FA1878 ..... 6.141
6.134 Plan view of site 39FA1879 ..... 6.143
6.135 Overview of site 39FA1879, facing west 6.144

LIST OF FIGURES CONTINUED

Figure **Page**

6.136 Overview of site 39FA1880, facing east....6.145
6.137 Plan view of site 39FA1880....6.146
6.138 View of projectile point (catalog number 2-122-1) collected from site 39FA1880....6.148
6.139 View of scraper (catalog number 2-122-2) collected from site 39FA1880....6.148
6.140 Overview of site 39FA1881, facing south....6.149
6.141 Plan view of site 39FA1881....6.150
6.142 View of cairn on site 39FA1881....6.151
6.143 Overview of site 39FA1882, Area A, Burdock town site, facing south....6.152
6.144 Plan view of site 39FA1882....6.153
6.145 Plan view of Area A, site 39FA1882....6.154
6.146 Plan view of Area B, site 39FA1882....6.155
6.147 Portion of historic atlas depicting the town of Argentine (later Burdock) in the southwestern portion of the APE (Peterson 1904)....6.156
6.148 Site 39FA1882, Feature A1, post office foundation, facing west....6.157
6.149 Site 39FA1882, Feature A2, general store foundation, facing west....6.158
6.150 Site 39FA1882, Feature A3, general store foundation, facing southwest....6.158
6.151 Photograph of the Burdock Store ca. 1970s (courtesy of Parker and Lambert 1980:52)....6.158
6.152 Site 39FA1882, Feature A4, unidentified foundation, facing northwest....6.159
6.153 Site 39FA1882, Feature A5, blacksmith/machine shop foundation, facing northeast....6.160
6.154 Site 39FA1882, Feature A6, unidentified foundation, facing southeast....6.160
6.155 Site 39FA1882, Feature A7 (foundation) and A8 (concrete block), facing northwest....6.161
6.156 Site 39FA1882, Feature A9 (railroad tie pile) and A10 (trash scatter), facing northwest....6.161
6.157 Site 39FA1882, Feature A9 (railroad tie pile) and A10 (trash scatter), facing south....6.162
6.158 Site 39FA1882, Feature A11, storm cellar, facing northwest....6.162
6.159 Site 39FA1882, Feature A12, trash pile, facing west....6.163
6.160 Site 39FA1882, Feature A13, cistern....6.163
6.161 Overview of site 39FA1882, Area B, Burdock town site, facing south....6.164
6.162 Site 39FA1882, Feature B1, depression, facing southeast....6.164
6.163 Site 39FA1882, Feature B2, depression, facing southeast....6.165
6.164 Site 39FA1882, Feature B3, foundation, facing south....6.166
6.165 Site 39FA1882, Feature B5, foundation, facing southwest....6.166
6.166 Site 39FA1882, Feature B6, foundation, facing southeast....6.167
6.167 Site 39FA1882, Feature B7, structural debris pile, facing northwest....6.168
6.168 Site 39FA1882, Feature B8, structural debris pile, facing west....6.168
6.169 Site 39FA1882, Feature B9, cellar, facing north....6.169
6.170 Site 39FA1882, Feature B10, collapsed structure, facing southeast....6.169
6.171 Site 39FA1882, Area B, Burdock School, facing northeast....6.170
6.172 Site 39FA1882, Area B, Burdock School, facing southwest....6.171

LIST OF FIGURES CONTINUED

Figure **Page**

6.173 Overview of historic trash dump at terminus of abandoned road near Pass Creek, site 39FA1882, facing south....6.172
6.174 China bowl fragments (catalog number 9-97-1) collected from site 39FA1882....6.173
6.175 China bowl base (catalog number 9-97-2) collected from site 39FA1882....6.173
6.176 Toy car (catalog number 9-97-5) and marble (catalog number 9-97-3) collected from site 39FA1882....6.174
6.177 Fragment of base of clothes iron (catalog number 9-97-9) collected from site 39FA1882....6.174
6.178 Various bottles and bottle bases collected from site 39FA1882....6.175
6.179 Fairmount Glass Works/Company maker's mark....6.175
6.180 Varying styles of Owens-Illinois Glass Company maker's marks....6.175
6.181 Hazel-Atlas Glass Company maker's mark....6.176
6.182 Overview of site 39FA1883, facing southeast....6.177
6.183 Plan view of site 39FA1883....6.178
6.184 Plan view of site 39FA1884....6.180
6.185 Overview of site 39FA1884, facing southeast....6.181
6.186 Overview of site 39FA1885, facing northeast....6.182
6.187 Plan view of site 39FA1885....6.183
6.188 View of projectile point base (catalog number 10-36-2) collected from site 39FA1885....6.185
6.189 View of biface base (catalog number 10-36-3) collected from site 39FA1885....6.185
6.190 Overview of site 39FA1886, facing southwest....6.186
6.191 Plan view of site 39FA1886....6.187
6.192 View of projectile point tip (catalog number 10-36-1) collected from site 39FA1886....6.188
6.193 Plan view of site 39FA1887....6.189
6.194 Overview of site 39FA1887, facing south....6.190
6.195 View of drill (catalog number 3-82-1) collected from site 39FA1887....6.191
6.196 Overview of site 39FA1888, facing north....6.192
6.197 Plan view of site 39FA1888....6.193
6.198 Plan view of site 39FA1889....6.195
6.199 Overview of site 39FA1889, facing northeast....6.196
6.200 Overview of site 39FA1890, facing west....6.197
6.201 Plan view of site 39FA1890....6.198
6.202 Overview of site 39FA1891, facing northeast....6.200
6.203 Plan view of site 39FA1891....6.201
6.204 Plan view of site 39FA1892....6.203
6.205 Overview of site 39FA1892, facing east-northeast....6.204
6.206 Overview of site 39FA1893, facing southwest....6.205
6.207 Plan view of site 39FA1893....6.206
6.208 Overview of site 39FA1894, facing east....6.207
6.209 Plan view of site 39FA1894....6.208
6.210 View of retouched flake (catalog number 10-64-1) collected from site 39FA1894....6.209

LIST OF FIGURES CONTINUED

Figure **Page**

6.211 Overview of site 39FA1895, facing northwest 6.210
6.212 Plan view of site 39FA1895 ..... 6.211
6.213 View of projectile points (catalog numbers 10-45-1, 10-45-2, 10-45-3, and 10-45-4) collected from site 39FA1895 ..... 6.214
6.214 View of bifaces (catalog numbers 10-45-5, 10-45-6, 10-45-7, and 10-45-8) collected from site 39FA1895 ..... 6.215
6.215 View of end scrapers (catalog numbers 10-45-9, 10-45-12), hafted scraper (catalog number 10-45-11), and side scraper (catalog number 10-45-10) collected from site 39FA1895 ..... 6.216
6.216 Plan view of hearth locations in northwest portion of site 39FA1895 ..... 6.217
6.217 View of Hearths 3-8 of site 39FA1895, facing north 6.218
6.218 Overview of site 39FA1896, facing west 6.219
6.219 Plan view of site 39FA1896 ..... 6.220
6.220 View of projectile point (catalog number 3-71-1) collected from site 39FA1896 ..... 6.222
6.221 View of projectile points (catalog numbers 10-59-1 and 10-59-2) collected from site 39FA1896 ..... 6.223
6.222 View of projectile points (catalog numbers 10-59-4 and 10-59-5) collected from site 39FA1896 ..... 6.223
6.223 View of projectile points (catalog numbers 10-59-3, 10-59-7, and 10-59-6) collected from site 39FA1896 ..... 6.224
6.224 View of scraper (catalog number 10-59-8), retouched flake (catalog number 10-59-9), and biface (catalog number 10-59-10) collected from site 39FA1896 ..... 6.225
6.225 View of Kingery 1890s ice cream dipper (catalog #11-60-2) collected from site 39FA1896 ..... 6.225
6.226 Overview of site 39FA1897, facing south 6.226
6.227 Plan view of site 39FA1897 ..... 6.227
6.228 View of projectile point (catalog number 3-70-1) collected from site 39FA1897 ..... 6.228
6.229 Overview of site 39FA1898, facing north-northeast 6.229
6.230 Plan view of site 39FA1898 ..... 6.230
6.231 View of bifaces (catalog numbers 3-1-1 and 3-1-2) collected from site 39FA1898 ..... 6.232
6.232 Plan view of site 39FA1899 ..... 6.233
6.233 Plan view of site 39FA1900 ..... 6.235
6.234 Overview of site 39FA1901, facing south 6.236
6.235 Plan view of site 39FA1901 ..... 6.237
6.236 View of Franklin Crown brick (catalog number 3-73-1) collected from site 39FA1901 ..... 6.239
6.237 View of brick (catalog number 3-73-4) collected from site 39FA1901 ..... 6.239
6.238 Overview of site 39FA1902, facing south 6.240
6.239 Plan view of site 39FA1902 ..... 6.241
6.240 Overview of grave on site 39FA1902, facing north 6.242

LIST OF FIGURES CONTINUED

Figure **Page**

6.241 Single span wooden bridge structure, site 39FA1902, facing east 6.243
6.242 View of 4-hole button (catalog number 2-110-1) and metal artifact (catalog number 2-110-2) collected from site 39FA1902 ..... 6.243
6.243 View of a cosmetic jar lid (catalog number 2-110-3) and china flatware sherds (catalog number 2-110-4) collected from site 39FA1902 ..... 6.244
6.244 View of ceramic fragments (catalog numbers 2-110-5, 2-110-6, and 2-110-7) collected from site 39FA1902 ..... 6.244
6.245 View of bottle rim (catalog number 2-110-8) and toiletry bottle fragment (catalog number 2-110-9) collected from site 39FA1902 ..... 6.245
6.246 View of Carter's bottle base fragment (catalog number 2-110-10) collected from site 39FA1902 ..... 6.245
6.247 Plan view of site 39FA1903 ..... 6.247
6.248 Overview of site 39FA1903, facing north-northeast 6.248
6.249 Overview of site 39FA1904, facing north 6.249
6.250 Plan view of site 39FA1904 ..... 6.250
6.251 Plan view of site 39FA1905 ..... 6.252
6.252 Overview of site 39FA1905, facing north 6.253
6.253 Plan view of site 39FA1906 ..... 6.254
6.254 Overview of site 39FA1906, facing east 6.255
6.255 Overview of site 39FA1907, facing west 6.256
6.256 Plan view of site 39FA1907 ..... 6.257
6.257 View of site 39FA1908 ..... 6.259
6.258 Overview of site 39FA1908 facing north-northwest 6.260
6.259 Plan view of site 39FA1909 ..... 6.262
6.260 Overview of site 39FA1910, facing north 6.263
6.261 Plan view of site 39FA1910 ..... 6.264
6.262 Plan view of site 39FA1911 ..... 6.266
6.263 Overview of site 39FA1911, facing north-northwest 6.267
6.264 Foundation 1, site 39FA1911, facing north-northeast 6.268
6.265 Foundation 2, site 39FA1911, facing north 6.268
6.266 Depression 1, site 39FA1911, facing northwest 6.269
6.267 Overview of site 39FA1912, facing southeast 6.270
6.268 Plan view of site 39FA1912 ..... 6.271
6.269 Plan view of site 39FA1913 ..... 6.273
6.270 Overview of site 39FA1913, facing east 6.274
6.271 Overview of site 39FA1914, facing north 6.275
6.272 Plan view of site 39FA1914 ..... 6.276
6.273 Plan view of site 39FA1915 ..... 6.278
6.274 Overview of site 39FA1915, facing east 6.279
6.275 Overview of site 39FA1916, facing northwest 6.280
6.276 Plan view of site 39FA1916 ..... 6.281
6.277 Plan view of site 39FA1917 ..... 6.283
6.278 Overview of site 39FA1917, facing south-southeast 6.284

LIST OF FIGURES CONTINUED

Figure **Page**

6.279 View of projectile point fragment (catalog number 12-11-1) from site 39FA1917 ..... 6.285
6.280 Plan view of site 39FA1918 ..... 6.286
6.281 Overview of site 39FA1918, facing southeast 6.287
6.282 Plan view of site 39FA1919 ..... 6.289
6.283 Overview of site 39FA1919, facing south-southwest 6.290
6.284 Plan view of site 39FA1920 ..... 6.291
6.285 Overview of site 39FA1920, facing west 6.292
6.286 Plan view of site 39FA1921 ..... 6.294
6.287 Plan view of site 39FA1922 ..... 6.296
6.288 Overview of site 39FA1922, facing east 6.297
6.289 View of biface tip (catalog number 12-107-1) collected from site 39FA1922 ..... 6.298
6.290 View of stone circle on site 39FA1922, facing south 6.298
6.291 Plan view of stone circle on site 39FA1922 ..... 6.299
6.292 Overview of site 39FA1923 in the grassy area on the upper right side of the photograph, facing northwest 6.301
6.293 Plan view of site 39FA1923 ..... 6.302
6.294 Plan view of site 39FA1924 ..... 6.304
6.295 Overview of site 39FA1924, facing south 6.305
6.296 View of projectile point (catalog number 12-130-1) collected from site 39FA1924 ..... 6.306
6.297 View of end scrapers (catalog numbers 12-130-2 and 13-256-1) collected from site 39FA1924 ..... 6.306
6.298 View of biface (catalog number 12-130-3) and biface fragment (catalog number 12-130-4) collected from site 39FA1924 ..... 6.307
6.299 Plan view of site 39FA1925 ..... 6.308
6.300 Overview of site 39FA1925, facing southeast 6.309
6.301 Overview of site 39FA1926, facing southeast 6.310
6.302 Plan view of site 39FA1926 ..... 6.311
6.303 Plan view of site 39FA1927 ..... 6.313
6.304 Overview of site 39FA1927, facing northwest 6.314
6.305 View of Cairns 1-4, site 39FA1927, facing north 6.314
6.306 View of Cairns 5 and 6, site 39FA1927, facing southwest 6.315
6.307 Plan view of site 39FA1928 ..... 6.317
6.308 View of Rock Shelter #1, site 39FA1928, facing south 6.318
6.309 View of Rock Shelter #2, site 39FA1928, facing northwest 6.318
6.310 View of Rock Shelter #3, site 39FA1928, facing west 6.319
6.311 Overview of site 39FA1929, facing northwest 6.320
6.312 Plan view of site 39FA1929 ..... 6.321
6.313 Plan view of site 39FA1930 ..... 6.323
6.314 Overview of site 39FA1930, facing north-northwest 6.324
6.315 Overview of site 39FA1931, facing south-southwest 6.325
6.316 Plan view of site 39FA1931 ..... 6.326
6.317 Plan view of site 39FA1932 ..... 6.328

LIST OF FIGURES CONTINUED

Figure **Page**

6.318 Plan view of rock shelter locality, site 39FA1932 ..... 6.329
6.319 Overview of site 39FA1932, facing north 6.330
6.320 Overview of site 39FA1932, facing south 6.330
6.321 Rock shelter at site 39FA1932 ..... 6.331
6.322 Hearth next to rock shelter at site 39FA1932 ..... 6.332
6.323 Overview of site 39FA1933, facing southeast 6.333
6.324 Plan view of site 39FA1933 ..... 6.334
6.325 Pelican Lake projectile point (catalog number 14-24-1) collected from site 39FA1933 ..... 6.335
6.326 Plan view of site 39FA1934 ..... 6.337
6.327 Overview of site 39FA1934, facing south 6.338
6.328 Overview of site 39FA1935, facing southeast 6.339
6.329 Plan view of site 39FA1935 ..... 6.340
6.330 Plan view of site 39FA1936 ..... 6.342
6.331 Overview of site 39FA1936, facing east 6.343
6.332 Overview of site 39FA1937, facing southeast 6.344
6.333 Plan view of site 39FA1937 ..... 6.345
6.334 Projectile point tip (catalog number 15-90-1) collected from site 39FA1937 ..... 6.346
6.335 Overview of site 39FA1938, facing southwest 6.347
6.336 Plan view of site 39FA1938 ..... 6.348
6.337 Plan view of stone alignment locality, site 39FA1938 ..... 6.349
6.338 Plan view of site 39FA1939 ..... 6.351
6.339 Overview of site 39FA1939, facing northeast 6.352
6.340 Overview of Site 39FA1940, facing southeast 6.353
6.341 Plan view of site 39FA1940 ..... 6.354
6.342 Overview of Stone Circle 1, site 39FA1940, facing north 6.355
6.343 Overview of Stone Circle 2, site 39FA1940, facing southeast 6.355
6.344 Overview of Stone Circle 3, site 39FA1940, facing southwest 6.356
6.345 Plan view of site 39FA1941 ..... 6.358
6.346 Overview of Concentration A, site 39FA1941, facing west 6.359
6.347 Overview of Concentration B, site 39FA1941, facing west 6.359
6.348 Overview of Concentration C, site 39FA1941, facing northwest 6.360
6.349 Overview of Concentration D, site 39FA1941, facing south 6.360
6.350 Incomplete mano specimen (catalog number 1-85-1), Concentration A, collected from site 39FA1941 ..... 6.362
6.351 Close-up of Hearth 1, Concentration A, site 39FA1941 ..... 6.363
6.352 Incomplete biface specimen (catalog number 12-11-2), Concentration D, site 39FA1941 ..... 6.363
6.353 Close-up of Hearths 3-6, Concentration D, site 39FA1941 ..... 6.364
6.354 Close-up of Hearths 7-10, Concentration D, site 39FA1941 ..... 6.365
6.355 Overview of site 39FA1942, facing west 6.367
6.356 Plan view of site 39FA1942 ..... 6.368
6.357 Complete biface specimen (catalog number 9-95-1) collected from site 39FA1942 ..... 6.369

LIST OF FIGURES CONTINUED

Figure **Page**

6.358 Overview of site 39FA1943, facing northeast 6.370
6.359 Plan view of site 39FA1943 ..... 6.371
6.360 Overview of site 39FA1944, facing south-southwest 6.373
6.361 Plan view of site 39FA1944 ..... 6.374
6.362 Incomplete biface specimen (catalog number 11-8-1) from site 39FA1944 ..... 6.375
6.363 Complete end scraper specimen (catalog number 11-8-2) from site 39FA1944 ..... 6.375
6.364 Close-up of Shovel Test 1, site 39FA1944 ..... 6.376
6.365 Map of site 39FA2000 (USGS 7.5-minute topographic quadrangle Twentyone Divide (1951)) 6.378
6.366 Overview of site 39FA2000, the Burlington Northern railroad, as seen passing through the abandoned town of Burdock, facing west 6.379

7.1 Percentage (and number) of historic, prehistoric, and historic/prehistoric multi-component sites documented in the APE 7.8
7.2 Graph comparing the number and variation of historic contexts identified in the APE 7.9

6.26 SITE 39FA1875

Site Number: 39FA1875
Site Name: N/A
Site Type: Artifact Scatter
Cultural Affiliation: Native American
Site Area: .32 ha
Landscape Position: Rolling Plain

Field Number: 2-111
Elevation (in m): 1,124
Site Condition: Disturbed
Subsurface Testing: N/A
Appendix D Map Reference: D-2
NRHP Recommendation: Not Eligible

6.26.1 Site Description

Site 39FA1875 (Figures 6.126 and 6.127) is a Native American artifact scatter measuring approximately 106 m N-S x 120 m E-W. The site is situated on a ridge with shale bedrock exposures. Vegetation in the site area is short grass. Ground surface visibility averages 45 percent.

6.26.2 Artifact and Feature Inventory

Two tertiary flakes and one retouched secondary flake were observed. Table 6.27 details the artifacts identified at the site. No artifacts were collected. No features, additional artifacts, or datable diagnostic materials were observed.

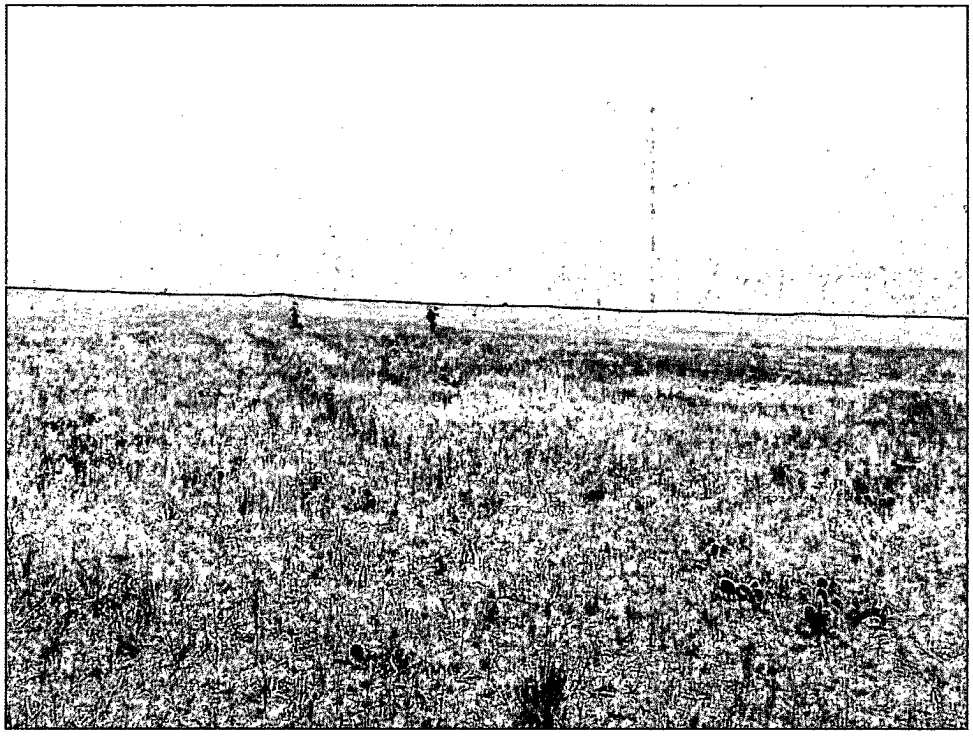

Figure 6.126. Overview of site 39FA1875, facing south.