

| WATERSHED NAME & CODE                                  |  | LOWER BIG SIOUX RIVER - 10170203 |                          |                              |                          | LANDUSE ACRES                  |   | 51,192   |  |
|--|--|----------------------------------|--------------------------|------------------------------|--------------------------|--------------------------------|---|--|--|
| LANDUSE TYPE   |  | GRASSLAND/PASTURE                |                          |                              |                          | TYPICAL UNIT SIZE ACRES        |   | 100  |  |
| ASSESSMENT INFORMATION                                 |  |                                  |                          |                              |                          | ESTIMATED PARTICIPATION        |   | 37%  |  |
| CONSERVATION SYSTEMS BY TREATMENT LEVELS               |  | CURRENT CONDITIONS               | FUTURE CONDITIONS        |                              |                          | RESOURCE CONCERNS              |   |  |  |
|  |  | Total Units                      | Existing Unchanged Units | New Treatment Units          | Total Units              | Soil Erosion – Ephemeral Gully | Water Quality – Excessive Nutrients and Organics in Surface Water | Water Quality – Excessive Suspended Sediment and Turbidity | Water Quality – Harmful Levels of Pathogens in Surface Water |
| <b>Baseline System</b>                                 |  | <b>System Rating -&gt;</b>       |                          |                              |                          | <b>0</b>                       | <b>3</b>  | <b>0</b>   | <b>0</b>   |
| <b>Total Acreage at Baseline Level</b>                 |  | <b>36,346</b>                    | <b>19,990</b>            | <b>0</b>                     | <b>19,990</b>            |                                |   |  |  |
| Nutrient Management (ac.) 590                          |  | 36,346                           | 19,990                   | 0                            | 19,990                   | 0                              | 5   | 0  | 1  |
| <b>Progressive System</b>                              |  | <b>System Rating -&gt;</b>       |                          |                              |                          | <b>2</b>                       | <b>4</b>  | <b>3</b>   | <b>2</b>   |
| <b>Total Acreage at Progressive Level</b>              |  | <b>10,238</b>                    | <b>9,214</b>             | <b>12,721</b>                | <b>21,936</b>            |                                |   |  |  |
| Fence (ft.) 382  |  | 30,715                           | 27,643                   | 38,163                       | 65,807                   | 0                              | 0   | 0  | 0  |
| Nutrient Management (ac.) 590                          |  | 10,238                           | 21,936                   | 0                            | 21,936                   | 0                              | 5   | 0  | 1  |
| Pasture & Hayland Planting (ac.) 512                   |  | 2,048                            | 1,843                    | 2,544                        | 4,387                    | 0                              | 2   | 2  | 1  |
| Prescribed Grazing (ac.) 528                           |  | 7,679                            | 6,911                    | 9,541                        | 16,452                   | 4                              | 1   | 3  | 1  |
| Riparian Forest Buffer (ac.) 391                       |  | 102                              | 92                       | 127                          | 219                      | 1                              | 3   | 4  | 3  |
| <b>Resource Management System (RMS)</b>                |  | <b>System Rating -&gt;</b>       |                          |                              |                          | <b>2</b>                       | <b>4</b>  | <b>4</b>   | <b>2</b>   |
| <b>Total Acreage at RMS Level</b>                      |  | <b>4,607</b>                     | <b>4,607</b>             | <b>4,658</b>                 | <b>9,266</b>             |                                |   |  |  |
| Animal Trails and Walkways (ac.) 575                   |  | 115                              | 115                      | 116                          | 232                      | 0                              | 0   | 0  | 0  |
| Channel Bank Vegetation (ac.) 322                      |  | 92                               | 92                       | 93                           | 185                      | 0                              | 0   | 0  | 0  |
| Channel Stabilization (ft.) 584                        |  | 11,518                           | 11,518                   | 11,646                       | 23,164                   | 0                              | 0   | 1  | 0  |
| Conservation Cover (ac.) 327                           |  | 92                               | 92                       | 93                           | 185                      | 2                              | 2   | 3  | 1  |
| Fence (ft.) 382  |  | 34,554                           | 37,626                   | 31,867                       | 69,493                   | 0                              | 0   | 0  | 0  |
| Nutrient Management (ac.) 590                          |  | 4,607                            | 9,266                    | 0                            | 9,266                    | 0                              | 5   | 0  | 1  |
| Pasture & Hayland Planting (ac.) 512                   |  | 1,613                            | 1,817                    | 1,426                        | 3,243                    | 0                              | 2   | 2  | 1  |
| Prescribed Grazing (ac.) 528                           |  | 4,607                            | 5,375                    | 3,891                        | 9,266                    | 4                              | 1   | 3  | 1  |
| Riparian Forest Buffer (ac.) 391                       |  | 92                               | 102                      | 83                           | 185                      | 1                              | 3   | 4  | 3  |
| Riparian Herbaceous Cover (ac.) 390                    |  | 138                              | 138                      | 140                          | 278                      | 0                              | 0   | 0  | 0  |
| Stream Crossing 578                                    |  | 2,304                            | 2,304                    | 2,329                        | 4,633                    | 0                              | -1  | 2  | -1   |
| Streambank & Shoreline Protection (ft.) 580            |  | 23,036                           | 23,036                   | 23,292                       | 46,328                   | 0                              | 1   | 3  | 1  |
| Watering Facility (no.) 614                            |  | 46                               | 46                       | 47                           | 93                       | 0                              | 0   | 2  | 1  |
| CONSERVATION INVESTMENT INFORMATION                    |  |                                  |                          |                              |                          |                                |   |  |  |
| CONSERVATION SYSTEMS BY TREATMENT LEVELS               |  | FUTURE                           | USDA INVESTMENT          |                              |                          |                                | PRIVATE INVESTMENT  |  |  |
|  |  | New Treatment Units              | Installation Cost 75%    | Management Cost - 3 yrs 100% | Technical Assistance 20% | Total Present Value Cost       | Installation Cost 25%   | Annual O & M + Mgt Costs 100%                              | Total Present Value Cost                                     |
| <b>Progressive System Acres Treated</b>                |  | <b>12,721.12</b>                 |                          |                              |                          |                                |   |  |  |
| Fence (ft.) 382  |  | 38,163                           | \$71,556                 | \$0                          | \$14,311                 | \$85,868                       | \$23,852  | \$1,908  | \$31,890   |
| Nutrient Management (ac.) 590                          |  | 0                                | \$0                      | \$0                          | \$0                      | \$0                            | \$0   | \$0  | \$0  |
| Pasture & Hayland Planting (ac.) 512                   |  | 2,544                            | \$171,735                | \$0                          | \$34,347                 | \$206,082                      | \$57,245  | \$2,290  | \$66,890   |
| Prescribed Grazing (ac.) 528                           |  | 9,541                            | \$50,089                 | \$0                          | \$10,018                 | \$60,107                       | \$16,696  | \$0  | \$16,696   |
| Riparian Forest Buffer (ac.) 391                       |  | 127                              | \$30,244                 | \$0                          | \$6,049                  | \$36,293                       | \$10,081  | \$1,210  | \$15,178   |
| <b>Subtotal</b>  |  |                                  | <b>\$323,625</b>         | <b>\$0</b>                   | <b>\$64,725</b>          | <b>\$388,350</b>               | <b>\$107,875</b>  | <b>\$5,408</b>   | <b>\$130,654</b>   |
| <b>Resource Management System (RMS) Acres Treated</b>  |  | <b>4,658.44</b>                  |                          |                              |                          |                                |   |  |  |
| Animal Trails and Walkways (ac.) 575                   |  | 116                              | \$1,310                  | \$0                          | \$262                    | \$1,572                        | \$437   | \$35   | \$584  |
| Channel Bank Vegetation (ac.) 322                      |  | 93                               | \$761,654                | \$0                          | \$152,331                | \$913,985                      | \$253,885   | \$50,777   | \$467,776  |
| Channel Stabilization (ft.) 584                        |  | 11,646                           | \$786,111                | \$0                          | \$157,222                | \$943,333                      | \$262,037   | \$20,963   | \$350,341  |
| Conservation Cover (ac.) 327                           |  | 93                               | \$6,988                  | \$0                          | \$1,398                  | \$8,386                        | \$2,329   | \$280  | \$3,507  |
| Fence (ft.) 382  |  | 31,867                           | \$59,750                 | \$0                          | \$11,950                 | \$71,700                       | \$19,917  | \$1,593  | \$26,628   |
| Nutrient Management (ac.) 590                          |  | 0                                | \$0                      | \$0                          | \$0                      | \$0                            | \$0   | \$0  | \$0  |
| Pasture & Hayland Planting (ac.) 512                   |  | 1,426                            | \$96,234                 | \$0                          | \$19,247                 | \$115,481                      | \$32,078  | \$1,283  | \$37,483   |
| Prescribed Grazing (ac.) 528                           |  | 3,891                            | \$20,425                 | \$0                          | \$4,085                  | \$24,511                       | \$6,808   | \$0  | \$6,808  |
| Riparian Forest Buffer (ac.) 391                       |  | 83                               | \$19,717                 | \$0                          | \$3,943                  | \$23,660                       | \$6,572   | \$789  | \$9,894  |
| Riparian Herbaceous Cover (ac.) 390                    |  | 140                              | \$13,102                 | \$0                          | \$2,620                  | \$15,722                       | \$4,367   | \$175  | \$5,103  |
| Stream Crossing 578                                    |  | 2,329                            | \$2,183,642              | \$0                          | \$436,728                | \$2,620,371                    | \$727,881   | \$29,115   | \$850,525  |
| Streambank & Shoreline Protection (ft.) 580            |  | 23,292                           | \$1,572,222              | \$0                          | \$314,444                | \$1,886,667                    | \$524,074   | \$41,926   | \$700,681  |
| Watering Facility (no.) 614                            |  | 47                               | \$34,938                 | \$0                          | \$6,988                  | \$41,926                       | \$11,646  | \$1,398  | \$17,533   |
| <b>Subtotal</b>  |  |                                  | <b>\$5,556,094</b>       | <b>\$0</b>                   | <b>\$1,111,219</b>       | <b>\$6,667,313</b>             | <b>\$1,852,031</b>  | <b>\$148,333</b>   | <b>\$2,476,863</b>   |
| <b>TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS</b> |  | <b>17,379.55</b>                 | <b>\$5,879,719</b>       | <b>\$0</b>                   | <b>\$1,175,944</b>       | <b>\$7,055,663</b>             | <b>\$1,959,906</b>  | <b>\$153,741</b>   | <b>\$2,607,518</b>   |

Note: Estimates for Matrices are for general planning purposes only and not based on actual funding.