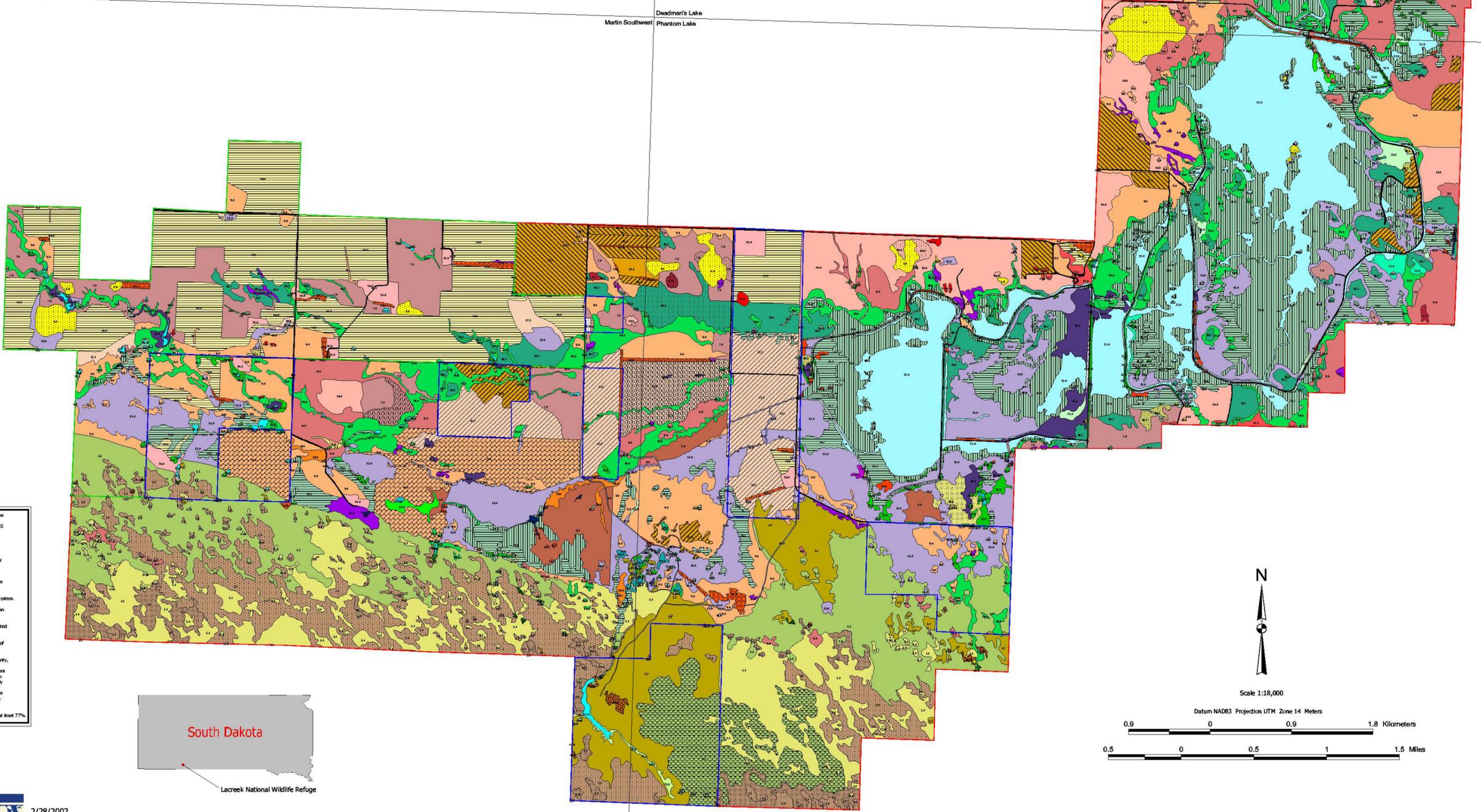
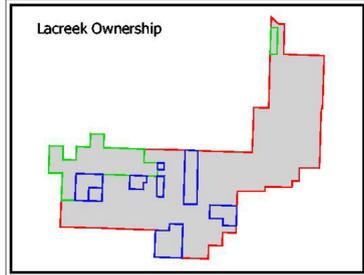


Lacreek National Wildlife Refuge Vegetation and Land-Cover Map

Legend

<p>Ownership</p> <ul style="list-style-type: none"> Lacreek Private State 7.5-minute Quadrangle Boundary Prairie Dog Activity <p>Refuge Vegetation Modifiers</p> <ul style="list-style-type: none"> Blue Grama (Bouteloua gracilis) Grazed Grassland Canada Bluegrass Introduced Grassland Mixed Brome - Mixed Native Grassland Mixed Cool Season - Native Grassland <p>Animal Units</p> <ul style="list-style-type: none"> 1.0 Blacktailed Prairie Dog Town Grassland Complex <p>Sandhills Vegetation</p> <ul style="list-style-type: none"> 2.1 Soapweed Yucca (Sparse Understory) Shrub Herbaceous Vegetation 2.2 Soapweed Yucca / Needle-and-thread Shrub Herbaceous Vegetation 3.1 Needle-and-thread / Soapweed Yucca Herbaceous Vegetation 3.2 Prairie Sandreed - Needle-and-thread Herbaceous Vegetation 3.3 Prairie Sandreed - Sun Sedge Herbaceous Vegetation 4.0 Little Bluestem - (Sideleats Grama, Blue Grama) - Threadleaf Sedge Herbaceous Vegetation <p>Upland Grasslands</p> <ul style="list-style-type: none"> 5.0 Needle-and-thread - Blue Grama - Threadleaf Sedge Herbaceous Vegetation 6.0 Big Bluestem - Switchgrass - Sawtooth Sunflower Herbaceous Vegetation 7.0 Western Wheatgrass - Blue Grama - Threadleaf Sedge Herbaceous Vegetation 8.0 Kentucky Bluegrass - (Western Wheatgrass) Semi-natural Herbaceous Vegetation 9.0 Smooth Brome - (Western Wheatgrass) Semi-natural Herbaceous Vegetation 10.0 Crested Wheatgrass - (Western Wheatgrass, Needle-and-Thread) Semi-natural Herbaceous Vegetation 11.0 Intermediate Wheatgrass Semi-Natural Herbaceous Vegetation 12.1 Mixed Grassland 12.2 Mixed Grassland (Warm Season Natives) 	<p>Forblands</p> <ul style="list-style-type: none"> 13.0 Mixed Forbland 14.0 Canada Thistle - Weedy Forb Great Plains Herbaceous Vegetation (Provisional) 15.0 Wild Licorice Stands 16.0 Water Smartweed Herbaceous Vegetation <p>Mesic Grasslands</p> <ul style="list-style-type: none"> 17.0 Switchgrass - (Western Wheatgrass) Herbaceous Vegetation 18.1 Foxtail Barley Herbaceous Vegetation 18.2 Saltgrass Herbaceous Vegetation 19.0 Prairie Cordgrass - Sedge species Herbaceous Vegetation 20.0 Common Reed Herbaceous Vegetation <p>Wetland Herbaceous Vegetation</p> <ul style="list-style-type: none"> 21.0 Baltic Rush Herbaceous Vegetation 22.0 Nebraska Sedge Herbaceous Vegetation 23.0 Marsh Spikerush Herbaceous Vegetation 24.0 Threesquare Bulrush Herbaceous Vegetation 25.0 Hardstem Bulrush - Broadleaf Cattail - (Softstem Bulrush) Sandhills Herbaceous Vegetation 26.1 Cattail species Great Plains Herbaceous Vegetation (Semi-permanently Flooded) 26.2 Cattail species Great Plains Herbaceous Vegetation (Seasonally Flooded) <p>Upland Shrubland</p> <ul style="list-style-type: none"> 27.0 Western Snowberry Shrubland <p>Mesic Shrublands</p> <ul style="list-style-type: none"> 28.0 American Plum Stands 29.0 Rose Indebush Stands 30.0 Coyote Willow / Mesic Graminoid Shrubland 	<p>Mesic Woodlands</p> <ul style="list-style-type: none"> 31.0 American Hackberry Stands 32.0 Peachleaf Willow Woodland 33.0 Plains Cottonwood Woodland 34.0 Green Ash Stand <p>Agriculture</p> <ul style="list-style-type: none"> 40.0 Agricultural Lands 41.0 Shelterbelt <p>Barren Lands</p> <ul style="list-style-type: none"> 42.0 Beach 43.0 Sandhills Blowout <p>Land-Use and Transportation</p> <ul style="list-style-type: none"> 44.0 Bennett County Roads 45.0 Refuge Management Roads 46.0 Levees (Flood Control) 47.0 Dikes (Separate Impoundments) 48.0 Cemetery <p>Ponds</p> <ul style="list-style-type: none"> 49.0 Ponds, impoundments 50.0 Ponds, Trout 51.0 Ponds, potholes/dugout/stock 52.0 Pools <p>Streams and Rivers</p> <ul style="list-style-type: none"> 53.0 Lake Creek Channel <p>Built-up Lands</p> <ul style="list-style-type: none"> 54.0 Clay Pits 55.0 Refuge Facilities 56.0 Residential
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The spatial database used to create this map was prepared under contract for USFWS Region 6. Work was performed under direction of the USGS Biological Resources Division's Center for Biological Informatics (CBI).

Vegetation and land cover (birds) were identified through stereoscopic examination of 1:12,000 scale color infrared aerial photography taken on July 27, 2000. Field sampling and ecological analysis supported the effort. Vegetation boundaries were identified on the photographs by means of photographic signature and collateral information. Classification was in accordance with the Federal Geographic Data Committee's National Vegetation Classification System.

The vegetation boundaries were transferred to an ArcView Geographic Information System using USGS digital orthophoto quarter quadrangles. The mapped information reflects conditions that existed during the time of the photography.

These data were generated by the U.S. Bureau of Reclamation under contract with USFWS and USGS. Although the data have been processed successfully on a computer at the CBI, no warranty, expressed or implied, is made regarding the accuracy or utility of the data on any other system or for general or scientific purposes. Any person using the information presented here should fully understand the data collection and compilation procedures, as described in the metadata, before beginning analysis. The burden for determining fitness for use lies entirely with the user.

The mapped thematic data is considered to be at least 77%.

