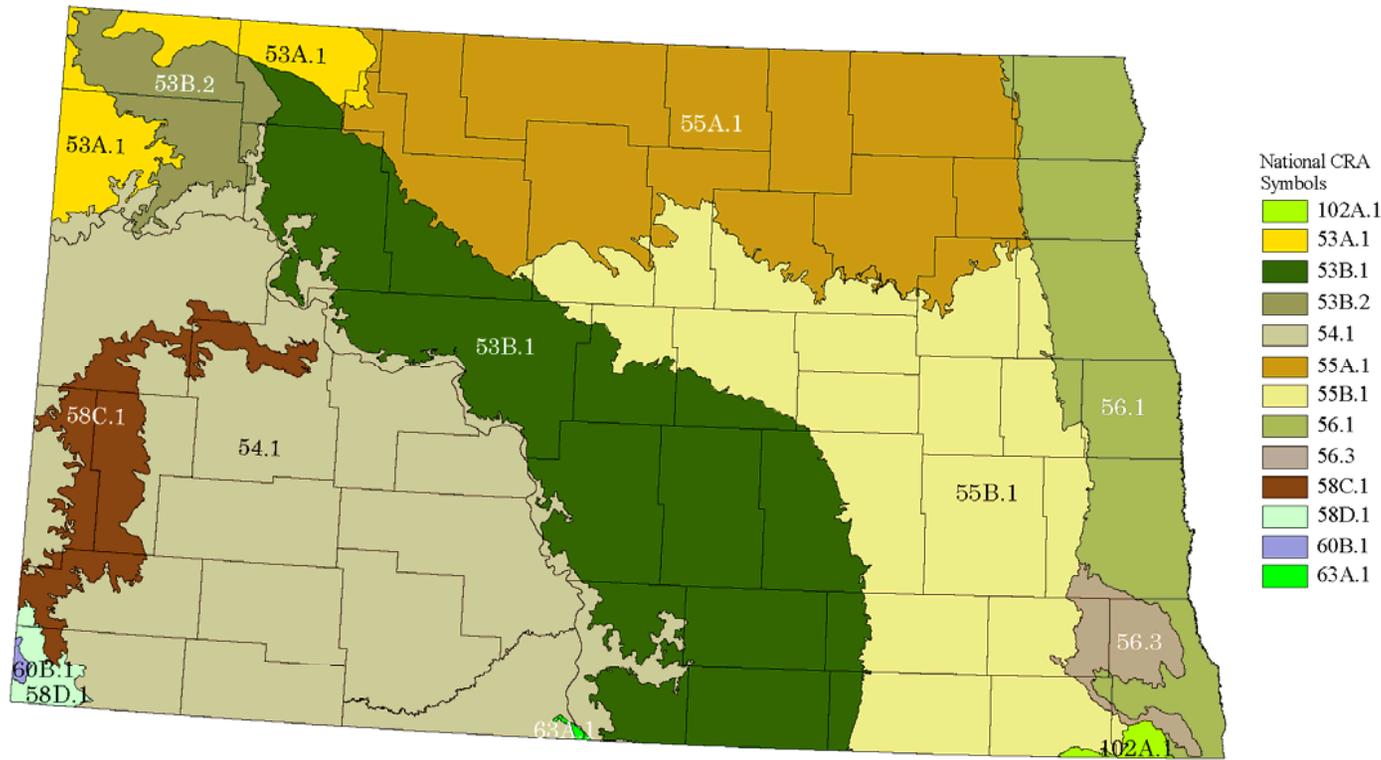


National Coordinated Common Resource Area (CRA) Map of North Dakota



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| 102A.1 | Rolling Till Prairie | Gently sloping to steep, loamy glacial till soils with scattered sandy outwash soils and silty alluvial flood plains soils. This area is part of the Prairie Pothole region of the upper Midwest. Predominantly cropped to corn and soybeans with increasing hayland and pasture and small grains in the western part. Resource concerns are water and wind erosion, nutrient management and water quality. |
| 53A.1 | Northern Dark Brown Glaciated Plains | The Northern Dark Brown Glaciated Plains are gently undulating low relief till plains with many knobs and temporary and seasonal wetlands. The soils are mainly medium textured, well drained, and have a frigid temperature regime. Most of this area is in farms and ranches. Average annual precipitation is 300 to 350 mm. Average annual temperature is 3 to 5 degrees C. Average freeze free period is 90 to 120 days. |
| 53B.1 | Central Dark Brown Glaciated Plains | The Central Dark Brown Glaciated Plains are nearly level to rolling with steeper areas along rivers. Land use is a mosaic of cropland and rangeland. Soil textures are dominantly loamy in glacial till, sandy in outwash areas, and clayey in lacustrine areas. Most soils are moderately deep or deep, well drained or moderately well drained, and have a frigid temperature regime. |
| 53B.2 | Central Dark Brown Dry Glaciated Plains | The Central Dark Brown Dry Glaciated Plains are nearly level to steep. This region marks a transition to drier conditions than the glaciated plains to the south. Land use is a mosaic of cropland and rangeland. Soil textures are dominantly loamy in glacial till, sandy in outwash areas, and clayey in lacustrine areas. Most soils are moderately deep or deep, well drained or moderately well drained, and have a frigid temperature regime. |
| 54.1 | Rolling Soft Shale Plain | The Rolling Soft Shale Plain is a semiarid rolling plain with soils formed from shale, siltstone, and sandstone. Native grasses cover areas of steep or broken topography, while cultivated and forage crops dominate other parts of the landscape. Most soils are moderately deep and deep, well drained and moderately well drained, loamy and clayey and have a frigid temperature regime. The area was largely unaffected by glaciation and retains a moderately dissected stream drainage pattern. |
| 55A.1 | Northern Black Glaciated Drift Plain | The Northern Black Glaciated Drift Plain is a nearly level to undulating landscape composed of glacial till and lacustrine sediments. Temporary and seasonal wetlands are numerous throughout the area. Agriculture is limited by a very short growing season and the coldest January temperatures in Northern Plains. |
| 55B.1 | Central Black Glaciated Drift Plain | The Central Black Glaciated Drift Plains are a gently rolling to undulating landscape with a thick layer of glacial till. Temporary and seasonal wetlands are numerous throughout the area. These soils are very fertile, but agricultural success is subject to annual climatic fluctuations. Most of the soils are deep, well drained and moderately well drained, sandy to clayey and have a frigid temperature regime. |

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| 56.1 | Red River Valley | The Red River Valley (Glacial Lake Agassiz) is an extremely flat landscape composed of thick lacustrine sediments. Soils range from silty to clayey in texture. Most soils have a high water table and are very productive. Saline soils exist in places. Most areas are farmed with main crops being small grain, sugar beets, and soybeans. The native vegetation was tall grass prairie. Primary resource concerns are soil erosion and deposition by wind. |
| 56.3 | Sheyenne Delta of the Red River Valley | The Sheyenne Delta landscape ranges from strongly rolling sand dunes in the northeastern edge, to nearly level high water table sandy soils of the south. A risk of wind erosion exists throughout this area. The area is used for range and cropland. A portion of the Sheyenne delta is in the Sheyenne National Grassland. |
| 58C.1 | Northern Rolling High Plains, Northeastern Part | These strongly dissected plains consist mainly of badlands and steep to very steep soils. Soils formed in shale, siltstone, sandstone, or locally thick alluvium. Most vegetated areas are grazed by livestock. Rocky Mountain Juniper, Aspen, and Ponderosa Pine occur on north slopes. Mean annual precipitation is 350 to 400 mm. Mean annual air temperature is 4 to 6°C. Average frost-free period is 110 to 120 days. |
| 58D.1 | Northern Rolling High Plains, Eastern Part | These dissected plains are underlain by shale and sandstone. Slopes are mostly gently rolling to steep. Most soils are medium to fine textured, well drained with a frigid temperature regime. About four-fifths of this area is privately owned with the remainder being state and federal. Most of the area is in native grasses and shrubs with the grazing cattle and sheep. Cropped areas are used for small grain and hay. |
| 60B.1 | Pierre Shale Plains, Northern Part | These shale plains have long, smooth, gentle to strong slopes. Slopes along drainageways and streams are moderately steep to steep. Soils are mostly moderately deep and deep, fine textured and have a frigid temperature regime and montmorillonitic mineralogy. Most of the area is used for grazing livestock. A few small nearly level to moderately sloping tracts have winter wheat. Mean annual precipitation is 300 to 350 mm. Mean annual air temperature is 6 to 7°C. Average frost-free period is 110 to 120 days. This area supports natural mixed prairie vegetation. |
| 63A.1 | Northern Rolling Pierre Shale Plains | This area is on bottom land along the Missouri River and adjacent shale plain uplands. It is nearly level to rolling with long smooth slopes and a well-defined dendritic drainage system. River and creek valleys have smooth floors and steep walls. Most soils are fine or very fine textured. Most of the area is used for livestock production with some cropped areas. Winter wheat is the main crop. |