

SOIL MAP LEGEND
Benson County Area, North Dakota: Detailed Soil Map Legend

Map symbol	Soil name
3	PARNELL SILTY CLAY LOAM
4	FARGO SILTY CLAY LOAM
5	HEGNE SILTY CLAY
7	COLVIN SILT LOAM
8	COLVIN SILT LOAM, WET
9	RAUVILLE SILT LOAM
11	SVEA-BARNES LOAMS, 1 TO 3 PERCENT SLOPES
12B	BARNES-SVEA LOAMS, 3 TO 6 PERCENT SLOPES
13C	BARNES-BUSE LOAMS, 6 TO 9 PERCENT SLOPES
13D	BARNES-BUSE LOAMS, 9 TO 15 PERCENT SLOPES
14	SVEA-HAMERLY LOAMS, 1 TO 3 PERCENT SLOPES
14B	SVEA-HAMERLY LOAMS, 3 TO 6 PERCENT SLOPES
15	VALLERS LOAM, SALINE, 1 TO 3 PERCENT SLOPES
16	VALLERS LOAM
18E	BUSE LOAM, 15 TO 25 PERCENT SLOPES
19	TONKA SILT LOAM
21	EMRICK-HEIMDAL LOAMS, 1 TO 3 PERCENT SLOPES
22B	HEIMDAL-EMRICK LOAMS, 3 TO 6 PERCENT SLOPES
23C	HEIMDAL-ESMOND LOAMS, 6 TO 9 PERCENT SLOPES
24	FRAM-EMRICK LOAMS, 1 TO 3 PERCENT SLOPES
25D	ESMOND-HEIMDAL LOAMS, 9 TO 15 PERCENT SLOPES
25E	ESMOND-HEIMDAL LOAMS, 15 TO 25 PERCENT SLOPES
26E	ESMOND-SIOUX LOAMS, 9 TO 25 PERCENT SLOPES
27C	BARNES-SIOUX LOAMS, 3 TO 9 PERCENT SLOPES
28D	BARNES-SIOUX LOAMS, 9 TO 15 PERCENT SLOPES
30D	BARNES-BUSE VERY STONY LOAMS, 6 TO 25 PERCENT SLOPES
31B	TOWNER FINE SANDY LOAM, 1 TO 6 PERCENT SLOPES
33C	DICKEY FINE SANDY LOAM, 6 TO 9 PERCENT SLOPES
34	EMBDEN-HEIMDAL COMPLEX, 1 TO 3 PERCENT SLOPES
34B	EMBDEN-HEIMDAL COMPLEX, 3 TO 6 PERCENT SLOPES
34C	EMBDEN-HEIMDAL COMPLEX, 6 TO 9 PERCENT SLOPES
41	OVERLY SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES
42	GARDENA SILT LOAM, 1 TO 3 PERCENT SLOPES
42B	GARDENA-ECKMAN SILT LOAMS, 3 TO 6 PERCENT SLOPES
43C	ECKMAN-ZELL SILT LOAMS, 6 TO 9 PERCENT SLOPES
44	GLYNDON SILT LOAM
45	BEARDEN SILT LOAM
46	BORUP SILT LOAM
47	FOSSUM FINE SANDY LOAM
50B	GREAT BEND SILT LOAM, 3 TO 6 PERCENT SLOPES
52B	EMBDEN-EGELAND FINE SANDY LOAMS, 1 TO 6 PERCENT SLOPES
53	HECLA FINE SANDY LOAM, 1 TO 3 PERCENT SLOPES
54B	HECLA-MADDOCK FINE SANDY LOAMS, 3 TO 6 PERCENT SLOPES
58	HECLA-MADDOCK LOAMY FINE SANDS, 1 TO 3 PERCENT SLOPES
59B	MADDOCK-HECLA LOAMY FINE SANDS, 3 TO 6 PERCENT SLOPES
59D	MADDOCK LOAMY FINE SAND, 6 TO 15 PERCENT SLOPES
61	RENSHAW LOAM, 1 TO 3 PERCENT SLOPES
61B	RENSHAW LOAM, 3 TO 6 PERCENT SLOPES
63	BRANTFORD LOAM, 1 TO 3 PERCENT SLOPES
63B	BRANTFORD LOAM, 3 TO 6 PERCENT SLOPES
63C	BRANTFORD LOAM, 6 TO 9 PERCENT SLOPES
64	DIVIDE LOAM, 1 TO 3 PERCENT SLOPES
65	VANG LOAM, 1 TO 3 PERCENT SLOPES
65B	VANG LOAM, 3 TO 6 PERCENT SLOPES
66	MARYSLAND LOAM
67	MARYSLAND LOAM, WET
68B	ARVILLA SANDY LOAM, 1 TO 6 PERCENT SLOPES
70B	BINFORD SANDY LOAM, 1 TO 6 PERCENT SLOPES
71	SVEA-CRESBARD LOAMS, 1 TO 3 PERCENT SLOPES
71B	SVEA-CRESBARD LOAMS, 3 TO 6 PERCENT SLOPES
73	LARSON-CATHAY LOAMS, 1 TO 3 PERCENT SLOPES
74B	CAVOUR-MIRANDA COMPLEX, 1 TO 6 PERCENT SLOPES
75	RYAN SILTY CLAY
78	LADELLE-ABERDEEN SILT LOAMS
82B	DARNEN LOAM, 3 TO 6 PERCENT SLOPES
83	LADELLE SILT LOAM
85	LAMOURE SILT LOAM
86	LADELLE SILT LOAM, CHANNELED
89	GRANO SILTY CLAY
90	PARNELL AND LALLIE SOILS, PONDED
91C	SIOUX GRAVELLY LOAM, 1 TO 9 PERCENT SLOPES
91E	SIOUX GRAVELLY LOAM, 9 TO 25 PERCENT SLOPES
98C	COE SHALY LOAM, 1 TO 9 PERCENT SLOPES
98E	COE SHALY LOAM, 9 TO 25 PERCENT SLOPES

SOIL MAP LEGEND--Continued
 Benson County Area, North Dakota: Detailed Soil Map Legend

Map symbol	Soil name
99C	CLAIRE LOAMY COARSE SAND, LOAMY SUBSTRATUM, 1 TO 9 PERCENT SLOPES
101	LALLIE LOAM
104	LALLIE LOAM, SALINE
106	LALLIE LOAM, WET
107	MINNEWAUKAN LOAMY FINE SAND, 1 TO 3 PERCENT SLOPES
109	AQUENTS
110B	AASTAD-BOTTINEAU LOAMS, 3 TO 6 PERCENT SLOPES
112F	EDGELEY VARIANT LOAM, 15 TO 60 PERCENT SLOPES
113C	BOTTINEAU LOAM, 6 TO 9 PERCENT SLOPES
113D	BOTTINEAU LOAM, 9 TO 15 PERCENT SLOPES
119	ABERDEEN SILTY CLAY LOAM
122	FRAM-CATHAY LOAMS, 1 TO 3 PERCENT SLOPES
123	EMRICK-CATHAY LOAMS, 1 TO 3 PERCENT SLOPES
123B	EMRICK-CATHAY LOAMS, 3 TO 6 PERCENT SLOPES
124C	HEIMDAL-SIOUX LOAMS, 3 TO 9 PERCENT SLOPES
125C	HEIMDAL-EMRICK VERY STONY LOAMS, 1 TO 9 PERCENT SLOPES
125F	HEIMDAL-ESMOND VERY STONY LOAMS, 9 TO 40 PERCENT SLOPES
126	FRAM LOAM, SALINE
127	FRAM LOAM, 1 TO 3 PERCENT SLOPES
129	COLVIN AND BORUP SILT LOAMS, SALINE
131D	MIRANDA VARIANT LOAM, 3 TO 15 PERCENT SLOPES
133	FORDVILLE LOAM, 1 TO 3 PERCENT SLOPES
134	BORUP-VALLERS COMPLEX, 1 TO 3 PERCENT SLOPES
135	MIRANDA-LARSON COMPLEX, 1 TO 3 PERCENT SLOPES
137	STIRUM LOAMY FINE SAND
140B	SVEA-BUSE LOAMS, 3 TO 6 PERCENT SLOPES
141	EMBDEN-LETCHER FINE SANDY LOAMS, 1 TO 3 PERCENT SLOPES
144	HAMERLY-CRESBARD LOAMS, 1 TO 3 PERCENT SLOPES
144B	HAMERLY-CRESBARD LOAMS, 3 TO 6 PERCENT SLOPES
145	GRANO SILTY CLAY, SALINE
146	HAMERLY-TONKA LOAMS, 0 TO 3 PERCENT SLOPES
149B	MADDOCK LOAMY FINE SAND, 1 TO 6 PERCENT SLOPES
150	PITS, GRAVEL
W	WATER

