2/22/89

SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 039
DEUEL CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL LV K	SOIL LV T	HYDRIC SOILS
2	PARNELL SILTY CLAY LOAM							
		PARNELL	100	3	3	0.28	5	HY-4
4	SOUTHAM SILTY CLAY LOAM, PONDED							
		SOUTHAM	100	ER	ER			HY-4
7A	GROVENA LOAM							
		GROVENA	100	3	3	0.24	5	
7B	GROVENA LOAM							
		GROVENA	100	3	3	0.24	5	
10	OLDHAM SILTY CLAY LOAM							
		OLDHAM	100	3	3	0.28	5	HY-3
11	MORITZ LOAM							
		MORITZ	100	3	3	0.28	5	3/
12	LADELLE SILT LOAM							
		LADELLE	100	3	3	0.28	5	2/
13	MARYSLAND							
		MARYSLAND	100	3	3	0.28	4	HY-1
14	LAMOURE-RAUVILLE COMPLEX, CHANNELED							
		LAMOURE	60	3	3	0.28	5	HY-1
		RAUVILLE	40	3	3	0.32	5	
15	PLAYMOOR SILTY CLAY LOAM							
		PLAYMOOR	100	3	3	0.28	5	HY-1
16	LAMOURE SILTY CLAY LOAM							
		LAMOURE	100	3	3	0.28	5	HY-1
17A	RENSHAW LOAM							
		RENSHAW	100	3	3	0.28	3	
17B	RENSHAW LOAM							
		RENSHAW	100	3	2	0.28	3	
18B	RENSHAW-SIOUX COMPLEX							
		RENSHAW	60	3	2	0.28	3	
		SIOUX	40	3	3	0.32	5	
18D	ARVILLA-SIOUX COMPLEX							
		ARVILLA	60	3	2	0.20	3	
		SIOUX	40	1	2	0.20	2	
19E	SIOUX-ARVILLA COMPLEX							
		SIOUX	60	1	1	0.20	2	
		ARVILLA	40	3	1	0.20	3	
20A	FORDVILLE LOAM							
		FORDVILLE	100	3	3	0.24	4	
20B	FORDVILLE-RENSHAW LOAMS							
		FORDIVLLE	60	3	3	0.24	4	
		RENSHAW	40	3	2	0.28	3	
21A	POINSETT-WAUBAY SILT LOAMS							
		POINSETT	60	3	3	0.32	5	1/
		WAUBAY	40	3	3	0.28	5	
21B	POINSETT-WAUBAY SILT LOAMS							
		POINSETT	60	3	3	0.32	5	1/
		WAUBAY	40	3	3	0.28	5	
21C	POINSETT-WAUBAY SILT LOAMS							
		POINSETT	60	3	3	0.32	5	1/
		WAUBAY	40	3	3	0.28	5	
21D	POINSETT-BUSE COMPLEX							
		POINSETT	60	3	2	0.32	5	1/
		BUSE	40	3	2	0.28	5	
22A	SINAI SILTY CLAY							
		SINAI	100	3	3	0.28	5	
22B	SINAI SILTY CLAY							
		SINAI	100	3	3	0.28	5	
22C	NUTLEY-SINAI COMPLEX							
		NUTLEY	60	3	2	0.28	5	
		SINAI	40	3	2	0.28	5	
22D	NUTLEY-SINAI COMPLEX							
		NUTLEY	60	3	2	0.28	5	
		SINAI	40	3	2	0.28	5	
23A	HAMERLY-FLOM VARIANT CLAY LOAMS							
		HAMERLY	60	3	3	0.28	5	
		FLOM VARIA	40	3	3	0.24	5	HY-2
24	PARNELL-VALLERS COMPLEX							
		PARNELL	60	3	3	0.28	5	HY-4
		VALLERS	40	3	3	0.28	5	HY-2

SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 039
DEUEL CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL LV K	SOIL LV T	HYDRIC SOILS
25	VALLERS LOAM							
		VALLERS	100	3	3	0.28	5	HY-2
26A	BARNES-SVEA LOAMS							
		BARNES	60	3	3	0.28	5	1/
		SVEA	40	3	3	0.28	5	1/
26B	BARNES-SVEA LOAMS							
		BARNES	60	3	3	0.28	5	1/
		SVEA	40	3	3	0.28	5	
26C	BARNES-SVEA-BUSE LOAMS							
		BARNES	50	3	2	0.28	5	1/ 2/
		SVEA	30	3	3	0.28	5	
		BUSE	20	3	2	0.28	5	
26D	BARNES-BUSE-SVEA LOAMS							
		BARNES	50	3	2	0.28	5	1/ 2/
		BUSE	30	3	2	0.28	5	
		SVEA	20	3	3	0.28	5	
27A	SINGSAAS-WAUBAY COMPLEX							
		SINGSAAS	60	3	3	0.28	5	1/
		WAUBAY	40	3	3	0.28	5	
27B	SINGSAAS-WAUBAY COMPLEX							
		SINGSAAS	60	3	3	0.28	5	1/
		WAUBAY	40	3	3	0.28	5	
29	BEARDEN VARIANT-FULDA SILTY CLAY LOAMS							
		BEARDEN VA	60	3	3	0.28	5	1/
		FULDA	40	3	3	0.28	5	
30	SPOTTSWOOD LOAM							
		SPOTTSWOOD	100	3	3	0.24	5	1/
32	VALLERS VARIANT CLAY LOAM							
		VALLERS	100	3	3	0.28	5	HY-2
35	BEARDEN SILTY CLAY LOAM							
		BEARDEN	100	3	3	0.28	5	1/
37A	ARVILLA SANDY LOAM							
		ARVILLA	100	3	3	0.20	3	
37B	ARVILLA SANDY LOAM							
		ARVILLA	100	3	3	0.20	3	
37C	ARVILLA SANDY LOAM							
		ARVILLA	100	3	2	0.20	3	
37D	ARVILLA-BUSE-BARNES COMPLEX							
		ARVILLA	50	3	2	0.20	3	1/
		BARNES	100	3	2	0.28	5	
		BUSE	100	3	2	0.28	5	
38A	SWENODA FINE SANDY LOAM							
		SWENODA	100	3	3	0.20	5	1/
38B	SWENODA SANDY LOAM							
		SWENODA	100	3	3	0.20	5	
39A	EGELAND SANDY LOAM							
		EGELAND	100	3	3	0.20	5	
39B	EGLAND SANDY LOAM							
		EGELAND	100	3	3	0.20	5	
42A	RENTILL LOAM							
		RENTILL	100	3	3	0.28	3	
42B	RENTILL LOAM							
		RENTILL	100	3	3	0.28	5	
44	LAPRAIRIE LOAM							
		LAPRAIRIE	100	3	3	0.28	5	3/
47	RAUVILLE LOAM							
		RAUVILLE	100	3	3	0.28	5	HY-1
51	DIVIDE LOAM							
		DIVIDIE	100	3	3	0.28	4	3/
58E	BUSE LOAM							
		BUSE	100	3	1	0.28	5	
60	FOSSUM SANDY LOAM							
		FOSSUM	100	3	3	0.20	4	HY-2
61A	PEEVER CLAY LOAM							
		PEEVER	100	3	3	0.28	5	1/

SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 039
DEUEL CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL LV K	SOIL LV T	HYDRIC SOILS
61B	PEEVER CLAY LOAM							
		PEEVER	100	3	3	0.28	5	1/
61C	PEEVER CLAY LOAM							
		PEEVER	100	3	2	0.28	5	
63A	PEEVER-CAVOUR CLAY LOAMS							
		PEEVER	60	3	3	0.28	5	1/
		CAVOUR	40	3	3	0.37	3	
70A	FLOM LOAM							
		FLOM	100	3	3	0.24	5	1/
71A	FORMAN-AASTAD LOAMS							
		FORMAN	60	3	3	0.28	5	1/
		AASTAD	40	3	3	0.24	5	
71B	FORMAN-AASTAD LOAMS							
		FORMAN	60	3	3	0.28	5	1/
		AASTAD	40	3	3	0.24	5	
71C	FORMAN-BUSE-AASTAD LOAMS							
		FORMAN	50	3	2	0.28	5	1/ 2/
		BUSE	30	3	2	0.28	5	
		AASTAD	20	3	3	0.24	5	
71D	FORMAN-BUSE-AASTAD LOAMS							
		FORMAN	50	3	2	0.28	5	1/ 2/
		BUSE	30	3	2	0.28	5	
		AASTAD	30	3	3	0.24	5	
71E	BARNES-BUSE LOAMS							
		BARNES	60	3	1	0.28	5	1/ 2/
		BUSE	40	3	1	0.28	5	
72C	FORMAN-AASTAD-BUSE LOAMS, STONY							
		FORMAN	50	3	2	0.28	5	1/ 2/
		AASTAD	30	3	3	0.24	5	
		BUSE	20	3	2	0.28	5	
72E	BUSE-BARNES LOAMS, VERY STONY							
		BUSE	60	3	1	0.28	5	1/ 2/
		BARNES	40	3	1	0.28	5	
74D	BARNES-BUSE-SOUTHAM COMPLEX							
		BARNES	50	3	2	0.28	5	
		BUSE	30	3	2	0.28	5	
		SOUTHAM	20	3	3	0.28	5	HY-4
81A	KRANZBURG-BROOKINGS SILTY CLAY LOAMS							
		KRANZBURG	60	3	3	0.32	5	3/
		BROOKINGS	40	3	3	0.28	5	
81B	KRANZBURG-BROOKINGS SILTY CLAY LOAMS							
		KRANZBURG	60	3	3	0.32	5	1/ 2/
		BROOKINGS	40	3	3	0.28	5	
81C	KRANZBURG-BROOKINGS SILTY CLAY LOAM							
		KRANZBURG	60	3	2	0.32	5	
		BROOKINGS	40	3	3	0.28	5	
85A	VIENNA SILT LOAM							
		VIENNA	100	3	3	0.32	5	3/
85B	VIENNA-BROOKINGS COMPLEX							
		BROOKINGS	40	3	3	0.28	5	3/
85C	VIENNA-BUSE COMPLEX							
		VIENNA	60	3	2	0.32	5	3/
		BUSE	40	3	2	0.28	5	
85D	VIENNA-BUSE COMPLEX							
		VIENNA	60	3	2	0.32	5	
		BUSE	40	3	2	0.28	5	
86B	ECKMAN LOAM							
		ECKMAN	100	3	3	0.28	5	
86D	ZELL-ECKMAN COMPLEX							
		ZELL	60	3	2	0.32	5	
		ECKMAN	40	3	2	0.32	5	
87	BROOKINGS SILTY CLAY LOAM							
		BROOKINGS	100	3	3	0.28	5	
88	MCINTOSH-LAMOURE SILTY CLAY LOAMS							
		MCINTOSH	60	3	3	0.28	5	
		LAMOURE	40	3	3	0.28	5	HY-1
89A	ESTELLINE SILT LOAM							
		ESTELLINE	100	3	3	0.32	4	
89B	ESTELLINE SILT LOAM							
		ESTELLINE	100	3	3	0.32	5	
90D	MADDOCK LOAMY FINE SAND							
		MADDOCK	100	3	2	0.17	5	
94E	BUSE-LAMOURE COMPLEX							
		BUSE	60	3	1	0.28	5	
		LAMOURE	40	3	3	0.28	5	HY-1

2/22/89

SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 039
DEUEL CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL K	LV T	HYDRIC SOILS
97	FULDA SILTY CLAY							
		FULDA	100	3	3	0.28	5	
99	GRAVEL PITS							
		GRAVEL PIT	100	ER	ER			
111	LOWE LOAM							
		LOWE	100	3	3	0.28	5	HY-2
114	LAMOURE-LAPRAIRIE COMPLEX, CHANNELED							
		LAMOURE	60	3	3	0.28	5	HY-1
		LAPRAIRIE	40	3	3	0.32	5	
121A	POINSETT LOAM, 0 TO 2 PERCENT SLOPES							
		POINSETT	100	3	3	0.32	5	1/
121B	POINSETT LOAM, 2 TO 6 PERCENT SLOPES							
		POINSETT	100	3	3	0.32	5	1/
126B	BARNES-BUSE LOAMS, 2 TO 6 PERCENT SLOPES							
		BARNES	60	3	3	0.28	5	
		BUSE	40	3	3	0.28	5	
144A	DARNEN LOAM, 0 TO 2 PERCENT SLOPES							
		DARNEN	100	3	3	0.28	5	
144B	DARNEN LOAM, 2 TO 6 PERENT SLOPES							
		DARNEN	100	3	3	0.28	5	
186	MCINTOSH SILTY CLAY LOAM							
		MCINTOSH	100	3	3	0.28	5	3/
189A	BRANDT LOAM, 0 TO 3 PERCENT SLOPES							
		BRANDT	100	3	3	0.28	5	
197	CASTLEWOOD SILTY CLAY							
		CASTLEWOOD	100	3	3	0.28	5	HY-1
226B	BARNES CLAY LOAM, 2 TO 6 PERCENT SLOPES							
		BARNES	100	3	3	0.28	5	

Footnotes:

R = 100 C = 0.25

1 = HIGHLY ERODIBLE, 2 = POTENTIALLY HIGHLY ERODIBLE,
3 = NOT HIGHLY ERODIBLE

HY = HYDRIC SOILS

ERROR = NOT RATED

1/ This map unit may have inclusions of hydric soils in depressions. FLOM, PARNELL, OR VALLERS SOILS

2/ Along the channel are some areas of hydric soils.

3/ This map unit may have inclusions of hydric soils in low areas. LAMOURE, MARYSLAND, OR RAUVILLE SOILS

Soil Map Units and Component Highly Erodible Land Class — For Soil Survey Area 077 — September 1992

Deuel Co. — R=100 C=0.25

Published Map Symbol	Field Map Symbol	Soil Map Unit Name	Slope %	Component Name	Component %	* HEL Wind	* HEL Water	K	T	I
ArA	37A	Arvilla sandy loam	0-2	Arvilla	95	3	3	0.2	3	86
ArB	37B	Arvilla sandy loam	2-6	Arvilla	95	3	3	0.2	3	86
ArC	37C	Arvilla sandy loam	6-9	Arvilla	95	3	2	0.2	3	86
AvO	18O	Arvilla-Sioux complex	6-15							
			6-15	Arvilla	55	3	2	0.2	3	86
			6-15	Sioux	35	3	2	0.2	2	0
BaB	226B	Barnes clay loam	2-6	Barnes	90	3	3	0.28	5	48
BcB	126B	Barnes-Buse loams	2-6							
			2-6	Barnes	60	3	3	0.28	5	48
			3-6	Buse	25	3	3	0.28	5	86
BcE	71E	Barnes-Buse loams	15-25							
			15-25	Barnes	50	3	1	0.28	5	48
			15-25	Buse	35	3	1	0.28	5	86
BeE	74D	Barnes-Buse-Southam complex	0-25							
			6-15	Barnes	35	3	2	0.28	5	48
			15-25	Buse	25	3	1	0.28	5	86
			0-1	Southam	25	3	3	0.37	5	86
BgD	26D	Barnes-Buse-Svea loams	2-15							
			9-15	Barnes	40	3	1	0.28	5	48
			9-15	Buse	25	3	1	0.28	5	86
			2-6	Svea	25	3	3	0.28	5	48
BkA	26A	Barnes-Svea loams	0-2							
			0-2	Barnes	70	3	3	0.28	5	48
			0-2	Svea	20	3	3	0.28	5	48
BkB	26B	Barnes-Svea loams	1-6							
			2-6	Barnes	60	3	3	0.28	5	48
			1-2	Svea	25	3	3	0.28	5	48
BmC	26C	Barnes-Svea-Buse loams	2-9							
			6-9	Barnes	40	3	2	0.28	5	48
			2-6	Svea	25	3	3	0.28	5	48
			6-9	Buse	20	3	2	0.28	5	86
BnD	72C	Barnes-Svea-Buse loams, stony	2-12							
			2-12	Barnes	45	3	2	0.2	5	0
			2-6	Svea	25	3	3	0.28	5	48
			9-12	Buse	20	3	2	0.2	5	0
Bp	189	Brandt silty clay loam	0-2	Brandt	95	3	3	0.28	5	38
Br	87	Brookings silty clay loam	0-2	Brookings	95	3	3	0.28	5	38
BtE	58	Buse loam	20-40	Buse	90	3	1	0.28	5	86
BvE	72E	Buse-Barnes loams, very stony	9-40							
			9-40	Buse	55	3	1	0.2	5	0
			9-25	Barnes	30	3	1	0.2	5	0

ublished Map Symbol	Field Map Symbol	Soil Map Unit Name	Slope %	Component Name	Component %	HEL Wind	HEL Water	K	T	I
BxE	94E	Buse-Lamoure, channeled, complex	0-40							
			15-40	Buse	50	3	1	0.28	5	86
			0-2	Lamoure	30	3	3	0.28	5	86
Ca	197	Castlewood silty clay	0-1	Castlewood	95	3	3	0.28	5	86
Cu	35	Cubden silty clay loam	0-2	Cubden	95	3	3	0.28	5	86
DcA	144A	Damen loam	0-2	Damen	90	3	3	0.28	5	48
DcB	144B	Damen loam	2-6	Damen	95	3	3	0.28	5	48
Dv	51	Divide loam	0-2	Divide	90	3	3	0.28	4	86
EcB	86B	Eckman loam	2-6	Eckman	90	3	3	0.28	5	56
EgA	39A	Egeland-Embden complex	0-2							
			0-2	Egeland	60	3	3	0.2	5	86
			0-2	Embden	30	3	3	0.2	5	86
EgB	EgB	Egeland-Embden complex	2-6							
			2-6	Egeland	60	3	3	0.2	5	86
			2-6	Embden	30	3	3	0.2	5	86
EsA	89	Estelline silt loam	0-2	Estelline	95	3	3	0.32	4	48
EsB	89B	Estelline silt loam	2-6	Estelline	95	3	2	0.32	4	48
FeA	20A	Fordville loam	0-2	Fordville	95	3	3	0.24	4	48
FeB	120B	Fordville loam	2-6	Fordville	95	3	2	0.24	4	48
FgB	20B	Fordville-Renshaw loam	2-6							
			2-6	Fordville	60	3	3	0.24	4	48
			2-6	Renshaw	35	3	2	0.28	3	48
FmA	71A	Forman-Aastad loams	0-2							
			0-2	Forman	70	3	3	0.28	5	48
			0-2	Aastad	20	3	3	0.24	5	48
FmB	71B	Forman-Aastad loams	1-6							
			2-6	Forman	60	3	3	0.28	5	48
			1-2	Aastad	25	3	3	0.24	5	48
FtC	71C	Forman-Buse-Aastad loams	2-9							
			6-9	Forman	40	3	2	0.28	5	48
			6-9	Buse	25	3	2	0.28	5	86
			2-6	Aastad	25	3	3	0.24	5	48
FtD	71D	Forman-Buse-Aastad loams	2-15							
			9-15	Forman	40	3	1	0.28	5	48
			9-15	Buse	25	3	1	0.28	5	86
			2-6	Aastad	25	3	3	0.24	5	48
Fx	60	Fossum sandy loam	0-2	Fossum	95	3	3	0.2	5	86
Fy	97	Fulda silty clay loam	0-2	Fulda	95	3	3	0.28	5	86
Hm	23A	Hamerly-Badger complex	0-3							
			0-3	Hamerly	65	3	3	0.28	5	86
			0-1	Badger	30	3	3	0.28	5	48
HtA	29	Hegne-Fulda silty clay loam	0-2							
			0-2	Hegne	50	3	3	0.28	5	86
			0-1	Fulda	30	3	3	0.28	5	86

Published Map Symbol	Field Map Symbol	Soil Map Unit Name	Slope %	Component Name	Component %	HEL Wind	HEL Water	K	T	I
KrA	81A	Kranzburg-Brookings silty clay loams	0-2							
			0-2	Kranzburg	70	3	3	0.32	5	38
			0-2	Brookings	20	3	3	0.28	5	38
KrB	81B	Kranzburg-Brookings silty clay loams	1-6							
			2-6	Kranzburg	50	3	3	0.32	5	38
			1-2	Brookings	40	3	3	0.28	5	38
KrC	81C	Kranzburg-Brookings silty clay loams	2-9							
			6-9	Kranzburg	60	3	2	0.32	5	38
			2-4	Brookings	30	3	3	0.28	5	38
La	44	La Prairie loam	0-2	La Praine	95	3	3	0.28	5	48
Ld	12	LaDelle silt loam	0-2	LaDelle	90	3	3	0.28	5	48
Lm	16	Lamoure silty clay loam	0-1	Lamoure	95	3	3	0.28	5	86
Lp	114	Lamoure-La Praine complex, channeled	0-2							
			0-1	Lamoure	60	3	3	0.28	5	86
			0-2	La Prairie	25	3	3	0.28	5	48
Lr	14	Lamoure-Rauville silty clay loams, channeled	0-1							
			0-1	Lamoure	60	3	3	0.28	5	86
			0-1	Rauville	25	3	3	0.28	5	86
Lw	111	Lowe loam	0-1	Lowe	90	3	3	0.28	5	86
MdE	90D	Maddock loamy fine sand	6-25	Maddock	90	3	2	0.17	5	134
Mg	13	Marysland loam	0-1	Marysland	95	3	3	0.28	4	86
Mk	188	McIntosh-Badger silty clay loams	0-2							
			0-2	McIntosh	65	3	3	0.28	5	86
			0-1	Badger	25	3	3	0.28	5	38
Mn	88	McIntosh-Lamoure silty clay loams	0-2							
			0-2	McIntosh	65	3	3	0.28	5	86
			0-1	Lamoure	25	3	3	0.28	5	86
Mr	11	Moritz-Lamoure complex	0-2							
			0-2	Moritz	65	3	3	0.28	5	86
			0-1	Lamoure	25	3	3	0.28	5	86
NsC	22D	Nutley-Sinai silty clays	6-12							
			6-12	Nutley	55	3	2	0.28	5	86
			6-9	Sinai	35	3	2	0.28	5	86
Od	10	Oldham silty clay loam	0-1	Oldham	95	3	3	0.28	5	86
Ok	99	Orthents, gravelly	0-60	Orthents	95	3	2	0.2	3	56
Or	98	Orthents, loamy	0-15	Orthents	95	3	2	0.28	5	86
Pa	2	Parnell silty clay loam	0-1	Parnell	95	3	3	0.28	5	38
Pc	24	Parnell-Vallers complex	0-1							
			0-1	Parnell	55	3	3	0.28	5	38
			0-2	Vallers	40	3	3	0.28	5	86
PeA	61A	Peever clay loam	0-2	Peever	95	3	3	0.28	5	48
PeB	61B	Peever clay loam	2-6	Peever	95	3	3	0.28	5	48
Pg	63A	Peever-Cavour clay loams	0-2							
			0-2	Peever	65	3	3	0.28	5	48
			0-2	Cavour	25	3	3	0.37	3	48

Published Map Symbol	Field Map Symbol	Soil Map Unit Name	Slope %	Component Name	Component %	HEL Wind	HEL Water	K	T	I
Pm	15	Playmoor silty clay loam	0-1	Playmoor	90	3	3	0.28	5	86
PoC	21C	Poinsett silty clay loam	6-9	Poinsett	95	3	2	0.32	5	38
PwA	21A	Poinsett-Waubay silty clay loams	0-2							
			0-2	Poinsett	70	3	3	0.32	5	38
			0-2	Waubay	20	3	3	0.28	5	38
PwB	21B	Poinsett-Waubay silty clay loams	1-6							
			2-6	Poinsett	60	3	3	0.32	5	38
			1-2	Waubay	30	3	3	0.28	5	38
Rc	47	Rauville silty clay loam	0-1	Rauville	95	3	3	0.28	5	86
ReA	17A	Renshaw loam	0-2	Renshaw	95	3	3	0.28	3	48
ReB	17B	Renshaw loam	2-6	Renshaw	95	3	2	0.28	3	48
RsB	18B	Renshaw-Sioux complex	2-6							
			2-6	Renshaw	60	3	2	0.28	3	48
			2-6	Sioux	30	3	2	0.2	2	56
RtA	42A	Rentill loam	0-4	Rentill	90	3	2	0.28	3	48
SbA	22A	Sinai silty clay	0-2	Sinai	90	3	3	0.28	5	86
SbB	22B	Sinai silty clay	2-6	Sinai	90	3	3	0.28	5	86
ShA	27A	Singsaas-Waubay silty clay loams	0-2							
			0-2	Singsaas	60	3	3	0.28	5	38
			0-2	Waubay	30	3	3	0.28	5	38
ShB	27B	Singsaas-Waubay silty clay loams	1-6							
			2-6	Singsaas	60	3	3	0.28	5	38
			1-2	Waubay	25	3	3	0.28	5	38
SkF	19E	Sioux-Arvilla complex	15-40							
			15-40	Sioux	65	3	1	0.2	2	56
			15-25	Arvilla	30	3	1	0.2	3	86
SnD	SrD	Sioux-Renshaw complex	9-15							
			9-15	Sioux	55	3	1	0.2	2	56
			9-15	Renshaw	35	3	1	0.28	3	48
So	4	Southam silty clay loam	0-1	Southam	95	3	3	0.37	5	86
SwA	38A	Swenoda sandy loam	0-2	Swenoda	95	3	3	0.2	5	86
SwB	38B	Swenoda sandy loam	2-6	Swenoda	95	3	3	0.2	5	86
Vc	25	Vallers loam	0-2	Vallers	95	3	3	0.28	5	86
VrA	85A	Vienna-Brookings complex	0-2							
			0-2	Vienna	60	3	3	0.32	5	48
			0-2	Brookings	30	3	3	0.28	5	38
VtB	85B	Vienna-Brookings complex	1-6							
			2-6	Vienna	60	3	3	0.32	5	48
			1-2	Brookings	30	3	3	0.28	5	38
VwC	85C	Vienna-Buse complex	6-9							
			6-9	Vienna	60	3	2	0.32	5	48
			6-9	Buse	30	3	2	0.28	5	86
VzB	76B	Vienna-Kranzburg-Barnes complex	2-6							
			2-6	Vienna	40	3	3	0.32	5	48
			2-6	Kranzburg	30	3	3	0.32	5	38
			3-6	Barnes	20	3	3	0.28	5	48

Published Map Symbol	Field Map Symbol	Soil Map Unit Name	Slope %	Component Name	Component %	HEL Wind	HEL Water	K	T	I
ZrC	86D	Zell-Eckman complex	6-12							
			6-12	Zell	60	3	2	0.32	5	86
			6-12	Eckman	30	3	2	0.28	5	56

* Highly Erodible Land Class
1 = Highly Erodible
2 = Potentially Highly Erodible
3 = Not Highly Erodible

TABLE B - "I" FACTOR VALUES

February 20, 1997

DEUEL COUNTY, SOUTH DAKOTA

MUSYM	MAP_UNIT_NAME	COMPNAME	I
ArA	ARVILLA SANDY LOAM, 0 TO 2 PERCENT SLOPES	ARVILLA	86
ArB	ARVILLA SANDY LOAM, 2 TO 6 PERCENT SLOPES	ARVILLA	86
ArC	ARVILLA SANDY LOAM, 6 TO 9 PERCENT SLOPES	ARVILLA	86
AvD	ARVILLA-SIOUX COMPLEX, 6 TO 15 PERCENT SLOPES	ARVILLA	86
AvD	ARVILLA-SIOUX COMPLEX, 6 TO 15 PERCENT SLOPES	SIOUX	56
BaB	BARNES CLAY LOAM, 2 TO 6 PERCENT SLOPES	BARNES	48
BcB	BARNES-BUSE LOAMS, 2 TO 6 PERCENT SLOPES	BARNES	48
BcB	BARNES-BUSE LOAMS, 2 TO 6 PERCENT SLOPES	BUSE	86
BcE	BARNES-BUSE LOAMS, 15 TO 25 PERCENT SLOPES	BARNES	48
BcE	BARNES-BUSE LOAMS, 15 TO 25 PERCENT SLOPES	BUSE	86
BeE	BARNES-BUSE-SOUTHAM COMPLEX, 0 TO 25 PERCENT SLOPES	BARNES	48
BeE	BARNES-BUSE-SOUTHAM COMPLEX, 0 TO 25 PERCENT SLOPES	BUSE	86
BeE	BARNES-BUSE-SOUTHAM COMPLEX, 0 TO 25 PERCENT SLOPES	SOUTHAM	86
BgD	BARNES-BUSE-SVEA LOAMS, 2 TO 15 PERCENT SLOPES	BARNES	48
BgD	BARNES-BUSE-SVEA LOAMS, 2 TO 15 PERCENT SLOPES	BUSE	86
BgD	BARNES-BUSE-SVEA LOAMS, 2 TO 15 PERCENT SLOPES	SVEA	46
BkA	BARNES-SVEA LOAMS, 0 TO 2 PERCENT SLOPES	BARNES	48
BkA	BARNES-SVEA LOAMS, 0 TO 2 PERCENT SLOPES	SVEA	48
BkB	BARNES-SVEA LOAMS, 1 TO 6 PERCENT SLOPES	BARNES	48
BkB	BARNES-SVEA LOAMS, 1 TO 6 PERCENT SLOPES	SVEA	48
BmC	BARNES-SVEA-BUSE LOAMS, 2 TO 9 PERCENT SLOPES	BARNES	48
BmC	BARNES-SVEA-BUSE LOAMS, 2 TO 9 PERCENT SLOPES	SVEA	48
BmC	BARNES-SVEA-BUSE LOAMS, 2 TO 9 PERCENT SLOPES	BUSE	86
BnD	BARNES-SVEA-BUSE LOAMS, 2 TO 12 PERCENT SLOPES, STONY	BARNES	0
BnD	BARNES-SVEA-BUSE LOAMS, 2 TO 12 PERCENT SLOPES, STONY	SVEA	48
BnD	BARNES-SVEA-BUSE LOAMS, 2 TO 12 PERCENT SLOPES, STONY	BUSE	0
Bp	BRANDT SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	BRANDT	38
Br	BROOKINGS SILTY CLAY LOAM	BROOKINGS	38
BtE	BUSE LOAM, 25 TO 40 PERCENT SLOPES	BUSE	86
BvE	BUSE-BARNES LOAMS, 9 TO 40 PERCENT SLOPES, VERY STONY	BUSE	0
BvE	BUSE-BARNES LOAMS, 9 TO 40 PERCENT SLOPES, VERY STONY	BARNES	0
BxE	BUSE-LAMOURE, CHANNELED, COMPLEX, 0 TO 40 PERCENT SLOPES	BUSE	86
BxE	BUSE-LAMOURE, CHANNELED, COMPLEX, 0 TO 40 PERCENT SLOPES	LAMOURE	86
Ca	CASTLEWOOD SILTY CLAY	CASTLEWOOD	86
Cu	CUBDEN SILTY CLAY LOAM	CUBDEN	86
DcA	DARNEN LOAM, 0 TO 2 PERCENT SLOPES	DARNEN	48
DcB	DARNEN LOAM, 2 TO 6 PERCENT SLOPES	DARNEN	48
Dv	DIVIDE LOAM	DIVIDE	86
EcB	ECKMAN LOAM, 2 TO 6 PERCENT SLOPES	ECKMAN	56
EgA	EGELAND-EMBDEN COMPLEX, 0 TO 2 PERCENT SLOPES	EGELAND	86
EgA	EGELAND-EMBDEN COMPLEX, 0 TO 2 PERCENT SLOPES	EMBDEN	86
EgB	EGELAND-EMBDEN COMPLEX, 2 TO 6 PERCENT SLOPES	EGELAND	86
EgB	EGELAND-EMBDEN COMPLEX, 2 TO 6 PERCENT SLOPES	EMBDEN	86
EsA	ESTELLINE SILT LOAM, 0 TO 2 PERCENT SLOPES	ESTELLINE	48
EsB	ESTELLINE SILT LOAM, 2 TO 6 PERCENT SLOPES	ESTELLINE	48
FeA	FORDVILLE LOAM, 0 TO 2 PERCENT SLOPES	FORDVILLE	48
FeB	FORDVILLE LOAM, 2 TO 6 PERCENT SLOPES	FORDVILLE	48
FgB	FORDVILLE-RENSHAW LOAMS, 2 TO 6 PERCENT SLOPES	FORDVILLE	48
FgB	FORDVILLE-RENSHAW LOAMS, 2 TO 6 PERCENT SLOPES	RENSHAW	48
FmA	FORMAN-AASTAD LOAMS, 0 TO 2 PERCENT SLOPES	FORMAN	48
FmA	FORMAN-AASTAD LOAMS, 0 TO 2 PERCENT SLOPES	AASTAD	48
FmB	FORMAN-AASTAD LOAMS, 1 TO 6 PERCENT SLOPES	FORMAN	48
FmB	FORMAN-AASTAD LOAMS, 1 TO 6 PERCENT SLOPES	AASTAD	48
FtC	FORMAN-BUSE-AASTAD LOAMS, 2 TO 9 PERCENT SLOPES	FORMAN	48
FtC	FORMAN-BUSE-AASTAD LOAMS, 2 TO 9 PERCENT SLOPES	BUSE	86

MUSYM	MAP_UNIT_NAME	COMPNAME	I
PtC	FORMAN-BUSE-AASTAD LOAMS, 2 TO 9 PERCENT SLOPES	AASTAD	48
PtD	FORMAN-BUSE-AASTAD LOAMS, 2 TO 15 PERCENT SLOPES	FORMAN	48
PtD	FORMAN-BUSE-AASTAD LOAMS, 2 TO 15 PERCENT SLOPES	BUSE	86
PtD	FORMAN-BUSE-AASTAD LOAMS, 2 TO 15 PERCENT SLOPES	AASTAD	48
Px	POSSUM SANDY LOAM	POSSUM	86
Fy	FULDA SILTY CLAY LOAM	FULDA	86
Hm	HAMERLY-BADGER COMPLEX	HAMERLY	86
Hm	HAMERLY-BADGER COMPLEX	BADGER	38
HcA	HEGNE-FULDA SILTY CLAY LOAMS	HEGNE	86
HcA	HEGNE-FULDA SILTY CLAY LOAMS	FULDA	86
KrA	KRANZBURG-BROOKINGS SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES	KRANZBURG	38
KrA	KRANZBURG-BROOKINGS SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES	BROOKINGS	38
KrB	KRANZBURG-BROOKINGS SILTY CLAY LOAMS, 1 TO 6 PERCENT SLOPES	KRANZBURG	38
KrB	KRANZBURG-BROOKINGS SILTY CLAY LOAMS, 1 TO 6 PERCENT SLOPES	BROOKINGS	38
KrC	KRANZBURG-BROOKINGS SILTY CLAY LOAMS, 2 TO 9 PERCENT SLOPES	KRANZBURG	38
KrC	KRANZBURG-BROOKINGS SILTY CLAY LOAMS, 2 TO 9 PERCENT SLOPES	BROOKINGS	38
La	LA PRAIRIE LOAM	LA PRAIRIE	48
Ld	LADELLE SILT LOAM	LADELLE	48
Lm	LAMOURE SILTY CLAY LOAM	LAMOURE	86
Lp	LAMOURE-LA PRAIRIE COMPLEX, CHANNELED	LAMOURE	86
Lp	LAMOURE-LA PRAIRIE COMPLEX, CHANNELED	LA PRAIRIE	48
Lr	LAMOURE-RAUVILLE SILTY CLAY LOAMS, CHANNELED	LAMOURE	86
Lr	LAMOURE-RAUVILLE SILTY CLAY LOAMS, CHANNELED	RAUVILLE	86
Lw	LOWE LOAM	LOWE	86
MdE	MADDOCK LOAMY FINE SAND, 6 TO 25 PERCENT SLOPES	MADDOCK	134
Mg	MARYSLAND LOAM	MARYSLAND	86
Mk	MCINTOSH-BADGER SILTY CLAY LOAMS	MCINTOSH	86
Mk	MCINTOSH-BADGER SILTY CLAY LOAMS	BADGER	38
Mn	MCINTOSH-LAMOURE SILTY CLAY LOAMS	MCINTOSH	86
Mn	MCINTOSH-LAMOURE SILTY CLAY LOAMS	LAMOURE	86
Mr	MORITZ-LAMOURE COMPLEX	MORITZ	86
Mr	MORITZ-LAMOURE COMPLEX	LAMOURE	86
NsC	NUTLEY-SINAI SILTY CLAYS, 6 TO 12 PERCENT SLOPES	NUTLEY	86
NsC	NUTLEY-SINAI SILTY CLAYS, 6 TO 12 PERCENT SLOPES	SINAI	86
Od	OLDHAM SILTY CLAY LOAM	OLDHAM	86
Ok	ORTHENTS, GRAVELLY	ORTHENTS, GRAVELLY	56
Or	ORTHENTS, LOAMY	ORTHENTS, LOAMY	96
Pa	PARNELL SILTY CLAY LOAM	PARNELL	38
Pc	PARNELL-VALLERS COMPLEX	PARNELL	38
Pc	PARNELL-VALLERS COMPLEX	VALLERS	86
PeA	PEEVER CLAY LOAM, 0 TO 2 PERCENT SLOPES	PEEVER	48
PeB	PEEVER CLAY LOAM, 2 TO 6 PERCENT SLOPES	PEEVER	48
Pg	PEEVER-CAVOUR CLAY LOAMS	PEEVER	48
Pg	PEEVER-CAVOUR CLAY LOAMS	CAVOUR	48
Pm	PLAYMOOR SILTY CLAY LOAM	PLAYMOOR	86
PoC	POINSETT SILTY CLAY LOAM, 6 TO 9 PERCENT SLOPES	POINSETT	38
PwA	POINSETT-WAUBAY SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES	POINSETT	38
PwA	POINSETT-WAUBAY SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES	WAUBAY	38
PwB	POINSETT-WAUBAY SILTY CLAY LOAMS, 1 TO 6 PERCENT SLOPES	POINSETT	38
PwB	POINSETT-WAUBAY SILTY CLAY LOAMS, 1 TO 6 PERCENT SLOPES	WAUBAY	38
Rc	RAUVILLE SILTY CLAY LOAM	RAUVILLE	86
ReA	RENSHAW LOAM, 0 TO 2 PERCENT SLOPES	RENSHAW	48
ReB	RENSHAW LOAM, 2 TO 6 PERCENT SLOPES	RENSHAW	48
RsB	RENSHAW-SIOUX COMPLEX, 2 TO 6 PERCENT SLOPES	RENSHAW	48
RsB	RENSHAW-SIOUX COMPLEX, 2 TO 6 PERCENT SLOPES	SIOUX	56

MUSYM	MAP_UNIT_NAME	COMPNAME	I
RtA	RENTILL LOAM	RENTILL	48
ShA	SINAI SILTY CLAY, 0 TO 2 PERCENT SLOPES	SINAI	86
ShB	SINAI SILTY CLAY, 2 TO 6 PERCENT SLOPES	SINAI	86
ShA	SINGSAAS-WAUBAY SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES	SINGSAAS	38
ShA	SINGSAAS-WAUBAY SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES	WAUBAY	38
ShB	SINGSAAS-WAUBAY SILTY CLAY LOAMS, 1 TO 6 PERCENT SLOPES	SINGSAAS	38
ShB	SINGSAAS-WAUBAY SILTY CLAY LOAMS, 1 TO 6 PERCENT SLOPES	WAUBAY	38
SkF	SIOUX-ARVILLA COMPLEX, 15 TO 40 PERCENT SLOPES	SIOUX	56
SkF	SIOUX-ARVILLA COMPLEX, 15 TO 40 PERCENT SLOPES	ARVILLA	86
SnD	SIOUX-RENSHAW COMPLEX, 9 TO 15 PERCENT SLOPES	SIOUX	56
SnD	SIOUX-RENSHAW COMPLEX, 9 TO 15 PERCENT SLOPES	RENSHAW	48
So	SOUTHAM SILTY CLAY LOAM	SOUTHAM	86
SwA	SWENODA SANDY LOAM, 0 TO 2 PERCENT SLOPES	SWENODA	86
SwB	SWENODA SANDY LOAM, 2 TO 6 PERCENT SLOPES	SWENODA	86
Vc	VALLERS LOAM	VALLERS	86
VtA	VIENNA-BROOKINGS COMPLEX, 0 TO 2 PERCENT SLOPES	VIENNA	48
VtA	VIENNA-BROOKINGS COMPLEX, 0 TO 2 PERCENT SLOPES	BROOKINGS	38
VtB	VIENNA-BROOKINGS COMPLEX, 1 TO 6 PERCENT SLOPES	VIENNA	48
VtB	VIENNA-BROOKINGS COMPLEX, 1 TO 6 PERCENT SLOPES	BROOKINGS	38
VwC	VIENNA-BUSE COMPLEX, 6 TO 9 PERCENT SLOPES	VIENNA	48
VwC	VIENNA-BUSE COMPLEX, 6 TO 9 PERCENT SLOPES	BUSE	86
VzB	VIENNA-KRANZBURG-BARNES COMPLEX, 2 TO 6 PERCENT SLOPES	VIENNA	48
VzB	VIENNA-KRANZBURG-BARNES COMPLEX, 2 TO 6 PERCENT SLOPES	KRANZBURG	38
VzB	VIENNA-KRANZBURG-BARNES COMPLEX, 2 TO 6 PERCENT SLOPES	BARNES	48
ZrC	ZELL-ECKMAN COMPLEX, 6 TO 12 PERCENT SLOPES	ZELL	86
ZrC	ZELL-ECKMAN COMPLEX, 6 TO 12 PERCENT SLOPES	ECKMAN	56
w	WATER	WATER (LESS THAN 40 ACRES)	