SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 051
GRANT CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL LV K	SOIL LV T	HYDRIC SOILS
AA	AASTAD-FLOM COMPLEX							
		AASTAD	60	3	3	0.24	5	
		FLOM	25	3	3	0.28	5	HY-2
ABA	ARVILLA SANDY LOAM, 0 TO 2 PERCENT SLOPES							
		ARVILLA	100	3	3	0.20	3	
ABB	ARVILLA SANDY LOAM, 2 TO 6 PERCENT SLOPES							
		ARVILLA	100	3	3	0.20	3	
ABC	ARVILLA SANDY LOAM, 6 TO 9 PERCENT SLOPES							
		ARVILLA	100	3	2	0.20	3	
BAE	BARNES-BUSE EXTREMELY STONY LOAMS, 9 TO 40 PERCENT SLOPES							
		BARNES	50	3	2	0.28	5	1/
		BUSE	30	3	2	0.24	5	
BBB	BARNES-SVEA LOAMS, 1 TO 6 PERCENT SLOPES							
		BARNES	65	3	3	0.28	5	1/
		SVEA	25	3	3	0.28	5	
BBC	BARNES-SVEA LOAMS, 3 TO 9 PERCENT SLOPES							
		BARNES	55	3	2	0.28	5	1/
		SVEA	25	3	3	0.28	5	
BBD	BARNES-SVEA LOAMS, 4 TO 15 PERCENT SLOPES							
		BARNES	45	3	2	0.28	5	1/2/
		SVEA	30	3	3	0.28	5	
BC	BEARDEN SILTY CLAY LOAM							
		BEARDEN	100	3	3	0.28	5	1/
BD	BROOKINGS SILT LOAM							
		BROOKINGS	100	3	3	0.28	5	
BEF	BUSE-FORMAN LOAMS, 25 TO 40 PERCENT SLOPES							
		BUSE	60	3	1	0.28	5	1/2/
		FORMAN	25	3	1	0.28	5	
BFD	BUSE-FORMAN-AASTAD LOAMS, 4 TO 15 PERCENT SLOPES							
		BUSE	45	3	2	0.28	5	1/2/
		FORMAN	25	3	2	0.28	5	
		AASTAD	25	3	3	0.24	5	
DA	DIVIDE LOAM							
		DIVIDE	100	3	3	0.28	4	3/
DB	DOVRAY SILTY CLAY							
		DOVRAY	100	3	3	0.28	5	HY-4
EAA	EGELAND FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES							
		EGELAND	100	3	3	0.20	5	
EAB	EGELAND FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES							
		EGELAND	100	3	3	0.20	5	
EC	ESTELLINE SILTY CLAY LOAM							
		ESTELLINE	100	3	3	0.32	4	
FA	FLOM CLAY LOAM							
		FLOM	100	3	3	0.28	5	HY-2
FBA	FORDVILLE LOAM, 0 TO 2 PERCENT SLOPES							
		FORDVILLE	100	3	3	0.24	4	
FCB	FORDVILLE-RENSHAW LOAMS, 2 TO 6 PERCENT SLOPES							
		FORDVILLE	60	3	3	0.24	4	
		RENSHAW	30	3	3	0.28	3	
FDA	FORMAN-AASTAD LOAMS, 0 TO 2 PERCENT SLOPES							
		FORMAN	70	3	3	0.28	5	1/
		AASTAD	20	3	3	0.24	5	
FDB	FORMAN-AASTAD LOAMS, 1 TO 6 PERCENT SLOPES							
		FORMAN	60	3	3	0.28	5	1/
		AASTAD	25	3	3	0.24	5	

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FDC	FORMAN-AASTAD LOAMS, 3 TO 9 PERCENT SLOPES							
		FORMAN	55	3	2	0.28	5	1/
		AASTAD	25	3	3	0.24	5	
FDD	FORMAN-AASTAD LOAMS, 4 TO 15 PERCENT SLOPES							
		FORMAN	50	3	2	0.28	5	1/2/
		AASTAD	30	3	3	0.24	5	
FEC	FORMAN-AASTAD EXTREMELY STONY COMPLEX, 0 TO 9 PERCENT SLOPES							
		FORMAN	65	3	2	0.28	5	1/
		AASTAD	25	3	3	0.24	5	
FGC	FORMAN-BUSE LOAMS, 6 TO 9 PERCENT SLOPES							
		FORMAN	50	3	2	0.28	5	1/
		BUSE	25	3	2	0.28	5	
FGE	FORMAN-BUSE LOAMS, 15 TO 25 PERCENT SLOPES							
		FORMAN	45	3	1	0.28	5	1/2/
		BUSE	30	3	1	0.28	5	
FHE	FORMAN-BUSE EXTREMELY STONY LOAMS, 9 TO 40 PERCENT SLOPES							
		FORMAN	40	3	2	0.28	5	1/2/
		BUSE	35	3	2	0.28	5	
HAD	HATTIE CLAY LOAM, 9 TO 15 PERCENT SLOPES							
		HATTIE	100	3	2	0.28	5	
HAE	HATTIE CLAY LOAM, 15 TO 40 PERCENT SLOPES							
		HATTIE	100	3	1	0.28	5	
HBB	HEIMDAL-SISSETON LOAMS, 2 TO 6 PERCENT SLOPES							
		HEIMDAL	52	3	3	0.28	5	1/
		SISSETON	28	3	3	0.32	5	
HBC	HEIMDAL-SISSETON LOAMS, 6 TO 9 PERCENT SLOPES							
		HEIMDAL	45	3	2	0.28	5	1/
		SISSETON	40	3	2	0.32	5	
HCA	HEIMDAL-SVEA LOAMS, 0 TO 2 PERCENT SLOPES							
		HEIMDAL	70	3	3	0.28	5	1/
		SVEA	20	3	3	0.28	5	
HCB	HEIMDAL-SVEA LOAMS, 2 TO 6 PERCENT SLOPES							
		HEIMDAL	50	3	3	0.28	5	1/
		SVEA	25	3	3	0.28	5	
LA	LADELLE SILT LOAM							
		LADELLE	100	3	3	0.28	5	2/
LB	LADELLE SILT LOAM, CHANNELED							
		LADELLE	100	3	3	0.28	5	2/
LC	LUDDEN SILTY CLAY							
		LUDDEN	100	3	3	0.28	5	HY-1
MAE	MADDOCK LOAMY FINE SAND, 6 TO 25 PERCENT SLOPES							
		MADDOCK	100	3	2	0.17	5	
MB	MARYSLAND LOAM							
		MARYSLAND	60	3	3	0.28	4	HY-1
OA	OVERLY SILTY CLAY LOAM							
		OVERLY	100	3	3	0.32	5	
PA	PARNELL SILTY CLAY LOAM							
		PARNELL	100	3	3	0.28	5	HY-4
PB	PARNELL SILTY CLAY LOAM, PONDED							
		PARNELL	100	3	3	0.28	5	HY-4
PCA	PEEVER CLAY LOAM, 0 TO 2 PERCENT SLOPES							
		PEEVER	100	3	3	0.28	5	1/
PCB	PEEVER CLAY LOAM, 2 TO 6 PERCENT SLOPES							
		PEEVER	100	3	3	0.28	5	1/

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MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL LV K	SOIL LV T	HYDRIC SOILS
PCC	PEEVER CLAY LOAM, 6 TO 9 PERCENT SLOPES							
		PEEVER	100	3	2	0.28	5	
PD	PEEVER-CAVOUR COMPLEX							
		PEEVER	60	3	3	0.28	5	1/
		CAVOUR	30	3	3	0.37	3	
PE	PEEVER-TONKA COMPLEX							
		PEEVER	62	3	3	0.28	5	
		TONKA	28	3	3	0.32	5	HY-3
PF	PITS, GRAVEL							
		PITS	100	ER	2			
PH	PLAYMOOR SILTY CLAY LOAM							
		PLAYMOOR	100	3	3	0.28	5	HY-1
PO	POINSETT SILT LOAM							
		POINSETT	100	3	3	0.32	5	
RA	RAUVILLE SILTY CLAY LOAM							
		RAUVILLE	100	3	3	0.28	5	HY-1
RBA	RENSHAW LOAM, 0 TO 2 PERCENT SLOPES							
		RENSHAW	100	3	3	0.28	3	
RBB	RENSHAW LOAM, 2 TO 6 PERCENT SLOPES							
		RENSHAW	100	3	3	0.28	3	
RCD	RENSHAW-SIOUX COMPLEX, 6 TO 15 PERCENT SLOPES							
		RENSHAW	50	3	2	0.28	3	
		RENSHAW	55	3	2	0.28	3	
		SIOUX	30	3	2	0.24	2	
		SIOUX	35	3	2	0.20	2	
RDE	RENSHAW-SIOUX COMPLEX, EXTREMELY STONY							
		RENSHAW	50	3	2	0.28	3	
		SIOUX	30	3	2	0.24	2	
REA	RENTILL LOAM, 0 TO 2 PERCENT SLOPES							
		RENTILL	100	3	3	0.28	3	
SAE	SIOUX-RENSHAW COMPLEX, 15 TO 40 PERCENT SLOPES							
		SIOUX	65	3	1	0.20	2	
		RENSHAW	25	3	1	0.28	3	
SBE	SISSETON LOAM, 15 TO 40 PERCENT SLOPES							
		SISSETON	100	3	1	0.32	5	
SCD	SISSETON-HEIMDAL LOAMS, 9 TO 15 PERCENT SLOPES							
		SISSETON	45	3	2	0.32	5	1/2/
		HEIMDAL	30	3	2	0.28	5	
SD	SVEA LOAM							
		SVEA	100	3	3	0.28	5	1/
SEA	SWENODA FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES							
		SWENODA	100	3	3	0.20	5	1/
TA	TONKA SILT LOAM							
		TONKA	60	3	3	0.32	5	HY-3
VA	VALLERS LOAM							
		VALLERS	100	3	3	0.28	5	HY-2
VB	VALLERS-PARNELL COMPLEX							
		VALLERS	55	3	3	0.28	5	HY-2
		PARNELL	35	3	3	0.28	5	HY-4
VC	VALLERS-TONKA COMPLEX							
		VALLERS	55	3	3	0.28	5	HY-2
		TONKA	35	3	3	0.32	5	HY-3
VDD	VIENNA-BUSE COMPLEX, 9 TO 15 PERCENT SLOPES							
		VIENNA	50	3	2	0.32	5	1/
		BUSE	30	3	2	0.28	5	

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MAP SYMBOL	SOIL MAP UNIT NAME	%	HEL CLASS WIND	HEL CLASS WATER	SOIL K	SOIL LV T	HYDRIC SOILS
VEA	VIENNA-LISMORE SILT LOAMS, 0 TO 2 PERCENT SLOPES						
	VIENNA	65	3	3	0.32	5	1/
	LISMORE	25	3	3	0.28	5	
VEB	VIENNA-LISMORE SILT LOAMS, 1 TO 5 PERCENT SLOPES						
	VIENNA	58	3	3	0.32	5	1/
	LISMORE	32	3	3	0.28	5	
VEC	VIENNA-LISMORE SILT LOAMS, 3 TO 9 PERCENT SLOPES						
	VIENNA	60	3	2	0.32	5	1/
	LISMORE	30	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, TONKA, 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. MARYSLAND OR RAUVILLE SOILS

GRANT COUNTY, SOUTH DAKOTA

SYM	MAP_UNIT_NAME	COMPNAME	I
	AASTAD-FLOM COMPLEX	AASTAD	48
	AASTAD-FLOM COMPLEX	FLOM	48
A	ARVILLA SANDY LOAM, 0 TO 2 PERCENT SLOPES	ARVILLA	86
B	ARVILLA SANDY LOAM, 2 TO 6 PERCENT SLOPES	ARVILLA	86
C	ARVILLA SANDY LOAM, 6 TO 9 PERCENT SLOPES	ARVILLA	86
E	BARNES-BUSE EXTREMELY STONY LOAMS, 9 TO 40 PERCENT SLOPES	BARNES	0
E	BARNES-BUSE EXTREMELY STONY LOAMS, 9 TO 40 PERCENT SLOPES	BUSE	0
B	BARNES-SVEA LOAMS, 1 TO 6 PERCENT SLOPES	BARNES	48
B	BARNES-SVEA LOAMS, 1 TO 6 PERCENT SLOPES	SVEA	48
C	BARNES-SVEA LOAMS, 3 TO 9 PERCENT SLOPES	BARNES	48
C	BARNES-SVEA LOAMS, 3 TO 9 PERCENT SLOPES	SVEA	48
D	BARNES-SVEA LOAMS, 4 TO 15 PERCENT SLOPES	BARNES	48
D	BARNES-SVEA LOAMS, 4 TO 15 PERCENT SLOPES	SVEA	48
	CUBDEN SILTY CLAY LOAM	CUBDEN	86
	BROOKINGS SILT LOAM	BROOKINGS	48
F	BUSE-FORMAN LOAMS, 25 TO 40 PERCENT SLOPES	BUSE	86
F	BUSE-FORMAN LOAMS, 25 TO 40 PERCENT SLOPES	FORMAN	48
D	BUSE-FORMAN-AASTAD LOAMS, 4 TO 15 PERCENT SLOPES	BUSE	86
D	BUSE-FORMAN-AASTAD LOAMS, 4 TO 15 PERCENT SLOPES	FORMAN	48
D	BUSE-FORMAN-AASTAD LOAMS, 4 TO 15 PERCENT SLOPES	AASTAD	48
	DIVIDE LOAM	DIVIDE	86
	CASTLEWOOD SILTY CLAY	CASTLEWOOD	86
A	EGELAND FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	EGELAND	86
B	EGELAND FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES	EGELAND	86
	ESTELLINE SILTY CLAY LOAM	ESTELLINE	38
	FLOM CLAY LOAM	FLOM	48
A	FORDVILLE LOAM, 0 TO 2 PERCENT SLOPES	FORDVILLE	48
B	FORDVILLE-RENSHAW LOAMS, 2 TO 6 PERCENT SLOPES	FORDVILLE	48
B	FORDVILLE-RENSHAW LOAMS, 2 TO 6 PERCENT SLOPES	RENSHAW	48
A	FORMAN-AASTAD LOAMS, 0 TO 2 PERCENT SLOPES	FORMAN	48
A	FORMAN-AASTAD LOAMS, 0 TO 2 PERCENT SLOPES	AASTAD	48
B	FORMAN-AASTAD LOAMS, 1 TO 6 PERCENT SLOPES	FORMAN	48
B	FORMAN-AASTAD LOAMS, 1 TO 6 PERCENT SLOPES	AASTAD	48
C	FORMAN-AASTAD LOAMS, 3 TO 9 PERCENT SLOPES	FORMAN	48
C	FORMAN-AASTAD LOAMS, 3 TO 9 PERCENT SLOPES	AASTAD	48
D	FORMAN-AASTAD LOAMS, 4 TO 15 PERCENT SLOPES	FORMAN	48
D	FORMAN-AASTAD LOAMS, 4 TO 15 PERCENT SLOPES	AASTAD	48
C	FORMAN-AASTAD EXTREMELY STONY COMPLEX, 0 TO 9 PERCENT SLOPES	FORMAN	0
C	FORMAN-AASTAD EXTREMELY STONY COMPLEX, 0 TO 9 PERCENT SLOPES	AASTAD	48
C	FORMAN-BUSE LOAMS, 6 TO 9 PERCENT SLOPES	FORMAN	48
C	FORMAN-BUSE LOAMS, 6 TO 9 PERCENT SLOPES	BUSE	86
E	FORMAN-BUSE LOAMS, 15 TO 25 PERCENT SLOPES	FORMAN	48
E	FORMAN-BUSE LOAMS, 15 TO 25 PERCENT SLOPES	BUSE	86
E	FORMAN-BUSE EXTREMELY STONY LOAMS, 9 TO 40 PERCENT SLOPES	FORMAN	0
E	FORMAN-BUSE EXTREMELY STONY LOAMS, 9 TO 40 PERCENT SLOPES	BUSE	0
D	HATTIE CLAY LOAM, 9 TO 15 PERCENT SLOPES	HATTIE	86
E	HATTIE CLAY LOAM, 15 TO 40 PERCENT SLOPES	HATTIE	86
B	HEIMDAL-SISSETON LOAMS, 2 TO 6 PERCENT SLOPES	HEIMDAL	56
B	HEIMDAL-SISSETON LOAMS, 2 TO 6 PERCENT SLOPES	SISSETON	86
C	HEIMDAL-SISSETON LOAMS, 6 TO 9 PERCENT SLOPES	HEIMDAL	56
C	HEIMDAL-SISSETON LOAMS, 6 TO 9 PERCENT SLOPES	SISSETON	86
A	HEIMDAL-SVEA LOAMS, 0 TO 2 PERCENT SLOPES	HEIMDAL	56
A	HEIMDAL-SVEA LOAMS, 0 TO 2 PERCENT SLOPES	SVEA	48
B	HEIMDAL-SVEA LOAMS, 2 TO 6 PERCENT SLOPES	HEIMDAL	56
B	HEIMDAL-SVEA LOAMS, 2 TO 6 PERCENT SLOPES	SVEA	48

MUSYM	MAP_UNIT_NAME	COMPNAME	I
La	LADELLE SILT LOAM	LADELLE	48
Lb	LADELLE SILT LOAM, CHANNELED	LADELLE	48
Lc	LUDDEN SILTY CLAY	LUDDEN	86
MaE	MADDOCK LOAMY FINE SAND, 6 TO 25 PERCENT SLOPES	MADDOCK	134
Mb	MARYSLAND LOAM	MARYSLAND	86
Oa	OVERLY SILTY CLAY LOAM	OVERLY	38
Pa	PARNELL SILTY CLAY LOAM	PARNELL	38
Pb	SOUTHAM SILTY CLAY LOAM	SOUTHAM	86
PcA	PEEVER CLAY LOAM, 0 TO 2 PERCENT SLOPES	PEEVER	48
PcB	PEEVER CLAY LOAM, 2 TO 6 PERCENT SLOPES	PEEVER	48
PcC	PEEVER CLAY LOAM, 6 TO 9 PERCENT SLOPES	PEEVER	48
Pd	PEEVER-CAVOUR COMPLEX	PEEVER	48
Pd	PEEVER-CAVOUR COMPLEX	CAVOUR	48
Pe	PEEVER-TONKA COMPLEX	PEEVER	48
Pe	PEEVER-TONKA COMPLEX	TONKA	48
Pf	ORTHENTS, GRAVELLY	ORTHENTS, GRAVELLY	56
Ph	PLAYMOOR SILTY CLAY LOAM	PLAYMOOR	86
Po	POINSETT SILT LOAM	POINSETT	48
Ra	RAUVILLE SILTY CLAY LOAM	RAUVILLE	86
RbA	RENSHAW LOAM, 0 TO 2 PERCENT SLOPES	RENSHAW	48
RbB	RENSHAW LOAM, 2 TO 6 PERCENT SLOPES	RENSHAW	48
RcD	RENSHAW-SIOUX COMPLEX, 6 TO 15 PERCENT SLOPES	RENSHAW	48
RcD	RENSHAW-SIOUX COMPLEX, 6 TO 15 PERCENT SLOPES	SIOUX	86
RdE	RENSHAW-SIOUX EXTREMELY STONY COMPLEX, 6 TO 40 PERCENT SLOPES	RENSHAW	48
RdE	RENSHAW-SIOUX EXTREMELY STONY COMPLEX, 6 TO 40 PERCENT SLOPES	SIOUX	0
ReA	RENTILL LOAM, 0 TO 2 PERCENT SLOPES	RENTILL	48
SaE	SIOUX-RENSHAW COMPLEX, 15 TO 40 PERCENT SLOPES	SIOUX	86
SaE	SIOUX-RENSHAW COMPLEX, 15 TO 40 PERCENT SLOPES	RENSHAW	48
SbE	SISSETON LOAM, 15 TO 40 PERCENT SLOPES	SISSETON	86
ScD	SISSETON-HEIMDAL LOAMS, 9 TO 15 PERCENT SLOPES	SISSETON	86
ScD	SISSETON-HEIMDAL LOAMS, 9 TO 15 PERCENT SLOPES	HEIMDAL	56
Sd	SVEA LOAM	SVEA	48
SeA	SWENODA FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	SWENODA	86
Ta	TONKA SILT LOAM	TONKA	48
Va	VALLERS LOAM	VALLERS	86
Vb	VALLERS-PARNELL COMPLEX	VALLERS	86
Vb	VALLERS-PARNELL COMPLEX	PARNELL	38
Vc	VALLERS-TONKA COMPLEX	VALLERS	86
Vc	VALLERS-TONKA COMPLEX	TONKA	48
VdD	VIENNA-BUSE COMPLEX, 9 TO 15 PERCENT SLOPES	VIENNA	48
VdD	VIENNA-BUSE COMPLEX, 9 TO 15 PERCENT SLOPES	BUSE	86
VeA	VIENNA-LISMORE SILT LOAMS, 0 TO 2 PERCENT SLOPES	VIENNA	48
VeA	VIENNA-LISMORE SILT LOAMS, 0 TO 2 PERCENT SLOPES	LISMORE	48
VeB	VIENNA-LISMORE SILT LOAMS, 1 TO 6 PERCENT SLOPES	VIENNA	48
VeB	VIENNA-LISMORE SILT LOAMS, 1 TO 6 PERCENT SLOPES	LISMORE	48
VeC	VIENNA-LISMORE SILT LOAMS, 3 TO 9 PERCENT SLOPES	VIENNA	48
VeC	VIENNA-LISMORE SILT LOAMS, 3 TO 9 PERCENT SLOPES	LISMORE	48
W	WATER	WATER (LESS THAN 40 ACRES)	