SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 113
SHANNON CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL LV K	SOIL LV T	HYDRIC SOILS
AA	ALLUVIAL LAND							
		ALLUVIAL L	100	ER	ER			
ASB	ANSELMO SANDY LOAM, 0 TO 5 PERCENT SLOPES							
		ANSELMO	100	1	3	0.20	5	
ASC	ANSELMO SANDY LOAM, 5 TO 9 PERCENT SLOPES							
		ANSELMO	100	1	3	0.20	5	
AVE	ANSELMO-VALENTINE COMPLEX, 5 TO 20 PERCENT SLOPES							
		ANSELMO	50	1	2	0.20	5	
		VALENTINE	30	1	2	0.15	5	
BA	BADLANDS							
		BADLANDS	100	ER	1			
BK	BANKARD LOAMY SAND							
		BANKARD	100	1	3	0.10	5	
BR	BARREN BADLANDS							
		BARREN BAD	100	ER	ER			
BU	BUFFINGTON SILTY CLAY LOAM							
		BUFFINGTON	100	1	3	0.32	5	
CAF	CANYON ASSOCIATION, 18 TO 40 PERCENT SLOPES							
		CANYON	100	1	1	0.32	2	
CC	CANYON-ROCK OUTCROP ASSOCIATION							
		CANYON	50	1	1	0.32	2	
		ROCK OUTCR	30	ER	ER			
CY	CLAYEY LAND							
		CLAYEY LAN	100	1	ER		5	1/
DVB	DUNDAY-VALENTINE COMPLEX, 0 TO 5 PERCENT SLOPES							
		DUNDAY	50	1	3	0.17	5	
		VALENTINE	30	1	3	0.15	5	2/
EF	ELSMERE-LOUP LOAMY FINE SANDS							
		LOUP	30	3	3	0.17	5	HY-2
EHF	EPPING COMPLEX, 9 TO 40 PERCENT SLOPES							
		EPPING	100	1	1	0.43	2	
EKE	EPPING-KADOKA SILT LOAMS, 9 TO 18 PERCENT SLOPES							
		EPPING	50	1	1	0.43	2	
		KADOKA	30	3	2	0.32	4	
ER	EPPING-ROCK OUTCROP COMPLEX							
		EPPING	50	1	1	0.43	2	
		ROCK OUTCR	30	ER	ER			
GOA	GOSHEN SILT LOAM, 0 TO 3 PERCENT SLOPES							
		GOSHEN	100	3	3	0.32	5	1/
GR	GRAVELLY LAND							
		GRAVELLY L	100	3	2	0.24	2	
HHA	HAVERSON LOAM, HIGH, 0 TO 3 PERCENT SLOPES							
		HAVERSON	100	1	3	0.28	5	
HLA	HAVERSON LOAM, LOW, 0 TO 3 PERCENT SLOPES							
		HAVERSON	100	1	3	0.28	5	
HOA	HAVERSON SILTY CLAY LOAM, 0 TO 3 PERCENT SLOPES							
		HAVERSON	100	1	3	0.32	5	
HS	HISLE CLAY, 0 TO 9 PERCENT SLOPES							
		HISLE	100	1	3	0.37	3	
HT	HISLE-SWANBOY CLAYS, SALINE							
		HISLE	50	1	3	0.37	3	
		SWANBOY	30	1	3	0.37	5	
HV	HOVEN SILT LOAM							
		HOVEN	100	3	3	0.37	3	HY-3
KAA	KADOKA SILT LOAM, 0 TO 3 PERCENT SLOPES							
		KADOKA	100	3	3	0.32	4	1/
KAB	KADOKA SILT LOAM, 3 TO 5 PERCENT SLOPES							
		KADOKA	100	3	3	0.32	4	1/
KAC	KADOKA SILT LOAM, 5 TO 9 PERCENT SLOPES							
		KADOKA	100	3	2	0.32	4	

SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 113
SHANNON CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL LV K	SOIL LV T	HYDRIC SOILS
KBC	KADOKA-EPPING SILT LOAMS, 3 TO 9 PERCENT SLOPES							
		KADOKA	50	3	2	0.32	4	
		EPPING	30	1	2	0.43	2	
KEA	KEITH SILT LOAM, 0 TO 3 PERCENT SLOPES							
		KEITH	100	3	3	0.32	5	1/
KEB	KEITH SILT LOAM, 3 TO 5 PERCENT SLOPES							
		KEITH	100	3	3	0.32	5	
KHD	KEITH-COLBY SILT LOAMS, 9 TO 12 PERCENT SLOPES							
		KEITH	50	3	2	0.32	5	
		COLBY	30	1	2	0.43	5	
KHE	KEITH-COLBY SILT LOAMS, 12 TO 18 PERCENT SLOPES							
		KEITH	50	3	2	0.32	5	
		COLBY	30	1	2	0.43	5	
KRA	KEITH-ROSEBUD SILT LOAMS, 0 TO 3 PERCENT SLOPES							
		KEITH	50	3	3	0.32	5	1/
		ROSEBUD	30	3	3	0.28	4	
KUC	KEITH AND ULYSSES SILT LOAMS, 5 TO 9 PERCENT SLOPES							
		KEITH	50	3	2	0.32	5	
		ULYSSES	50	3	2	0.32	5	
KYA	KYLE CLAY, ALKALI, 0 TO 3 PERCENT SLOPES							
		KYLE	100	1	3	0.37	5	1/
KYB	KYLE CLAY, ALKALI, 3 TO 5 PERCENT SLOPES							
		KYLE	100	1	3	0.37	5	
KZA	KYLE SILTY CLAY, 0 TO 3 PERCENT SLOPES							
		KYLE	100	1	3	0.37	5	
LE	LAMO-ELSMERE COMPLEX							
		LAMO	50	3	3	0.32	5	HY-1
		ELSMERE	30	1	3	0.17	5	
LM	LOAMY LAND							
		LOAMY LAND	100	1	ER		5	
LS	LOUP SOILS							
		LOUP	100	3	3	0.17	5	HY-2
MCB	MANVEL SILTY CLAY LOAM, 0 TO 5 PERCENT SLOPES							
		MANVEL	100	1	3	0.43	5	
ME	MINATARE SOILS							
		MINATARE	100	1	3	0.43	3	1/2/
MGD	MINNEQUA SILTY CLAY LOAM, 5 TO 12 PERCENT SLOPES							
		MINNEQUA	100	1	2	0.37	4	
MM	MOSHER-MINATARE COMPLEX							
		MOSHER	50	1	3	0.43	3	1/2/
		MINATARE	30	1	3	0.43	3	
OCE	OGLALA-CANYON COMPLEX, 9 TO 18 PERCENT SLOPES							
		OGLALA	50	3	2	0.32	5	
		CANYON	30	1	2	0.32	2	
OEC	ORELLA CLAY, 0 TO 9 PERCENT SLOPES							
		ORELLA	100	1	2	0.32	2	
OS	ORELLA-SHALE OUTCROP COMPLEX							
		ORELLA	50	1	2	0.32	2	
		SHALE OUTC	30	ER	ER			
PCE	PENROSE AND MINNEQUA SILTY CLAY LOAMS, 5 TO 20 PERCENT SLOPES							
		PENROSE	50	1	2	0.43	2	
		MINNEQUA	50	1	2	0.37	4	
PD	PENROSE-ROCK OUTCROP COMPLEX							
		PENROSE	50	1	2	0.43	2	
		ROCK OUTCR	30	ER	ER			
PEC	PIERRE CLAY, 3 TO 9 PERCENT SLOPES							
		PIERRE	100	1	2	0.37	4	
PSE	PIERRE-SAMSIL CLAYS, 9 TO 25 PERCENT SLOPES							
		PIERRE	50	1	2	0.37	4	
		SAMSIL	30	1	1	0.37	2	
RAA	RICHFIELD AND ALTVAN SILT LOAMS, 0 TO 3 PERCENT SLOPES							
		RICHFIELD	50	3	3	0.32	5	1/
		ALTVAN	50	3	3	0.28	4	
RAB	RICHFIELD AND ALTVAN SILT LOAMS, 3 TO 5 PERCENT SLOPES							
		RICHFIELD	50	3	3	0.32	5	1/
		ALTVAN	50	3	3	0.28	4	
RDA	RICHFIELD-DAWES SILT LOAMS, 0 TO 3 PERCENT SLOPES							
		RICHFIELD	50	3	3	0.32	5	1/
		DAWES	30	3	3	0.37	4	

SHANNON COUNTY, SOUTH DAKOTA

_UNIT_NAME	COMPNAME	I
MILLER SILTY CLAY LOAM, CHANNELED, 0 TO 2 PERCENT SLOPES	LOHMILLER	86
ELMO SANDY LOAM, 0 TO 5 PERCENT SLOPES	ANSELMO	86
ELMO SANDY LOAM, 5 TO 9 PERCENT SLOPES	ANSELMO	86
ELMO-VALENTINE COMPLEX, 5 TO 20 PERCENT SLOPES	ANSELMO	86
ELMO-VALENTINE COMPLEX, 5 TO 20 PERCENT SLOPES	VALENTINE	250
LAND-DENBY-INTERIOR COMPLEX, 0 TO 90 PERCENT SLOPES	BADLAND	86
LAND-DENBY-INTERIOR COMPLEX, 0 TO 90 PERCENT SLOPES	DENBY	86
LAND-DENBY-INTERIOR COMPLEX, 0 TO 90 PERCENT SLOPES	INTERIOR	86
KARD LOAMY SAND, 0 TO 3 PERCENT SLOPES	BANKARD	134
LAND	BADLAND	86
FINGTON SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	BUFFINGTON	86
YON-OGLALA ASSOCIATION, 18 TO 40 PERCENT SLOPES	CANYON	86
YON-OGLALA ASSOCIATION, 18 TO 40 PERCENT SLOPES	OGLALA	56
YON-ROCK OUTCROP ASSOCIATION, 18 TO 40 PERCENT SLOPES	CANYON	86
YON-ROCK OUTCROP ASSOCIATION, 18 TO 40 PERCENT SLOPES	ROCK OUTCROP, SANDSTONE	0
BY SILTY CLAY, 0 TO 4 PERCENT SLOPES	DENBY	86
DAY-VALENTINE COMPLEX, 0 TO 5 PERCENT SLOPES	DUNDAY	134
DAY-VALENTINE COMPLEX, 0 TO 5 PERCENT SLOPES	VALENTINE	250
MERE-LOUP LOAMY FINE SANDS, 0 TO 3 PERCENT SLOPES	ELSMERE	134
MERE-LOUP LOAMY FINE SANDS, 0 TO 3 PERCENT SLOPES	LOUP	134
ING-KADOKA ASSOCIATION, 9 TO 40 PERCENT SLOPES	EPPING	86
ING-KADOKA ASSOCIATION, 9 TO 40 PERCENT SLOPES	KADOKA	48
ING-KADOKA SILT LOAMS, 9 TO 18 PERCENT SLOPES	EPPING	86
ING-KADOKA SILT LOAMS, 9 TO 18 PERCENT SLOPES	KADOKA	48
ING-ROCK OUTCROP COMPLEX, 9 TO 40 PERCENT SLOPES	EPPING	86
ING-ROCK OUTCROP COMPLEX, 9 TO 40 PERCENT SLOPES	ROCK OUTCROP, SANDSTONE	0
RIDGE SILT LOAM, 0 TO 3 PERCENT SLOPES	MOBRIDGE	48
ILL GRAVELLY LOAM, 2 TO 30 PERCENT SLOPES	NIHILL	86
ERSON LOAM, 0 TO 3 PERCENT SLOPES, RARELY FLOODED	HAVERSON	86
ERSON LOAM, 0 TO 3 PERCENT SLOPES, OCCASIONALLY FLOODED	HAVERSON	86
ERSON SILTY CLAY LOAM, 0 TO 3 PERCENT SLOPES	HAVERSON	86
E SILT LOAM, 0 TO 9 PERCENT SLOPES	HISLE	48
E-SWANBOY COMPLEX, SALINE, 0 TO 6 PERCENT SLOPES	HISLE	48
E-SWANBOY COMPLEX, SALINE, 0 TO 6 PERCENT SLOPES	SWANBOY	86
N SILT LOAM, 0 TO 1 PERCENT SLOPES	HOVEN	48
KA SILT LOAM, 0 TO 3 PERCENT SLOPES	KADOKA	48
KA SILT LOAM, 3 TO 5 PERCENT SLOPES	KADOKA	48
KA SILT LOAM, 5 TO 9 PERCENT SLOPES	KADOKA	48
KA-EPPING SILT LOAMS, 3 TO 9 PERCENT SLOPES	KADOKA	48
KA-EPPING SILT LOAMS, 3 TO 9 PERCENT SLOPES	EPPING	86
H SILT LOAM, 0 TO 3 PERCENT SLOPES	KEITH	48
H SILT LOAM, 3 TO 5 PERCENT SLOPES	KEITH	48
H-COLBY SILT LOAMS, 9 TO 12 PERCENT SLOPES	KEITH	48
H-COLBY SILT LOAMS, 9 TO 12 PERCENT SLOPES	COLBY	86
H-COLBY SILT LOAMS, 12 TO 18 PERCENT SLOPES	KEITH	48
H-COLBY SILT LOAMS, 12 TO 18 PERCENT SLOPES	COLBY	86
H-ROSEBUD SILT LOAMS, 0 TO 3 PERCENT SLOPES	KEITH	48
H-ROSEBUD SILT LOAMS, 0 TO 3 PERCENT SLOPES	ROSEBUD	48
H-ULYSSES SILT LOAMS, 5 TO 9 PERCENT SLOPES	KEITH	48
H-ULYSSES SILT LOAMS, 5 TO 9 PERCENT SLOPES	ULYSSES	48
BOY CLAY, 0 TO 3 PERCENT SLOPES	SWANBOY	86
BOY CLAY, 3 TO 5 PERCENT SLOPES	SWANBOY	86
SILTY CLAY, 0 TO 3 PERCENT SLOPES	KYLE	86
-ELSMERE COMPLEX, 0 TO 3 PERCENT SLOPES	LAMO	86
-ELSMERE COMPLEX, 0 TO 3 PERCENT SLOPES	ELSMERE	134

UNIT_NAME	COMPNAME	I
RIOR SILT LOAM, 0 TO 3 PERCENT SLOPES	INTERIOR	86
FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	LOUP	86
EL SILTY CLAY LOAM, 0 TO 5 PERCENT SLOPES	MANVEL	86
TARE LOAM, 0 TO 2 PERCENT SLOPES	MINATARE	86
EQUA SILTY CLAY LOAM, 5 TO 12 PERCENT SLOPES	MINNEQUA	86
ER-MINATARE COMPLEX, 0 TO 6 PERCENT SLOPES	MOSHER	48
ER-MINATARE COMPLEX, 0 TO 6 PERCENT SLOPES	MINATARE	86
LA-CANYON LOAMS, 9 TO 18 PERCENT SLOPES	OGLALA	56
LA-CANYON LOAMS, 9 TO 18 PERCENT SLOPES	CANYON	86
LA CLAY, 0 TO 9 PERCENT SLOPES	ORELLA	86
LA-SHALE OUTCROP COMPLEX, 3 TO 18 PERCENT SLOPES	ORELLA	86
LA-SHALE OUTCROP COMPLEX, 3 TO 18 PERCENT SLOPES	ROCK OUTCROP, SOFT	86
NG AND MINNEQUA SILTY CLAY LOAMS, 5 TO 20 PERCENT SLOPES	ENNING	86
NG AND MINNEQUA SILTY CLAY LOAMS, 5 TO 20 PERCENT SLOPES	MINNEQUA	86
NG-ROCK OUTCROP COMPLEX, 5 TO 40 PERCENT SLOPES	ENNING	86
NG-ROCK OUTCROP COMPLEX, 5 TO 40 PERCENT SLOPES	ROCK OUTCROP, SOFT	86
RE CLAY, 3 TO 9 PERCENT SLOPES	PIERRE	86
RE-SAMSIL CLAYS, 9 TO 25 PERCENT SLOPES	PIERRE	86
RE-SAMSIL CLAYS, 9 TO 25 PERCENT SLOPES	SAMSIL	86
FIELD-ALTVAN SILT LOAMS, 0 TO 3 PERCENT SLOPES	RICHFIELD	48
FIELD-ALTVAN SILT LOAMS, 0 TO 3 PERCENT SLOPES	ALTVAN	56
FIELD-ALTVAN SILT LOAMS, 3 TO 5 PERCENT SLOPES	RICHFIELD	48
FIELD-ALTVAN SILT LOAMS, 3 TO 5 PERCENT SLOPES	ALTVAN	56
FIELD-DAWES SILT LOAMS, 0 TO 3 PERCENT SLOPES	RICHFIELD	48
FIELD-DAWES SILT LOAMS, 0 TO 3 PERCENT SLOPES	DAWES	48
BUD-CANYON LOAMS, 5 TO 9 PERCENT SLOPES	ROSEBUD	48
BUD-CANYON LOAMS, 5 TO 9 PERCENT SLOPES	CANYON	86
BUD-KEITH SILT LOAMS, 3 TO 9 PERCENT SLOPES	ROSEBUD	48
BUD-KEITH SILT LOAMS, 3 TO 9 PERCENT SLOPES	KEITH	48
IL-SHALE OUTCROP COMPLEX, 3 TO 40 PERCENT SLOPES	SAMSIL	86
IL-SHALE OUTCROP COMPLEX, 3 TO 40 PERCENT SLOPES	ROCK OUTCROP, SOFT	86
BOY CLAY, 0 TO 6 PERCENT SLOPES	SWANBOY	86
EL-ANSELMO COMPLEX, 10 TO 40 PERCENT SLOPES	TASSEL	86
EL-ANSELMO COMPLEX, 10 TO 40 PERCENT SLOPES	ANSELMO	86
NG-MITCHELL SILT LOAMS, 9 TO 30 PERCENT SLOPES	EPPING	86
NG-MITCHELL SILT LOAMS, 9 TO 30 PERCENT SLOPES	MITCHELL	86
ILL-ANSELMO FINE SANDY LOAMS, 0 TO 3 PERCENT SLOPES	TUTHILL	86
ILL-ANSELMO FINE SANDY LOAMS, 0 TO 3 PERCENT SLOPES	ANSELMO	86
ILL-ANSELMO FINE SANDY LOAMS, 3 TO 9 PERCENT SLOPES	TUTHILL	86
ILL-ANSELMO FINE SANDY LOAMS, 3 TO 9 PERCENT SLOPES	ANSELMO	86
ILL-MANTER FINE SANDY LOAMS, 0 TO 3 PERCENT SLOPES	TUTHILL	86
ILL-MANTER FINE SANDY LOAMS, 0 TO 3 PERCENT SLOPES	MANTER	86
ILL-MANTER FINE SANDY LOAMS, 3 TO 5 PERCENT SLOPES	TUTHILL	86
ILL-MANTER FINE SANDY LOAMS, 3 TO 5 PERCENT SLOPES	MANTER	86
ILL-MANTER FINE SANDY LOAMS, 5 TO 9 PERCENT SLOPES	TUTHILL	86
ILL-MANTER FINE SANDY LOAMS, 5 TO 9 PERCENT SLOPES	MANTER	86
SES-COLBY COMPLEX, SAND SUBSTRATUM, 3 TO 9 PERCENT SLOPES	ULYSSES	48
SES-COLBY COMPLEX, SAND SUBSTRATUM, 3 TO 9 PERCENT SLOPES	COLBY	86
NTINE FINE SAND, ROLLING	VALENTINE	250
NTINE FINE SAND, HILLY	VALENTINE	250
NTINE SAND, 3 TO 30 PERCENT SLOPES	VALENTINE	250
MAN-WANBLEE SILT LOAMS, 0 TO 6 PERCENT SLOPES	WORTMAN	56
MAN-WANBLEE SILT LOAMS, 0 TO 6 PERCENT SLOPES	WANBLEE	48
R < 40 ACRES	WATER (LESS THAN 40 ACRES)	
R > 40 ACRES	WATER (GREATER THAN 40 ACRES)	

SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 113
SHANNON CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL LV K	SOIL LV T	HYDRIC SOILS
REB	ROSEBUD-CANYON LOAMS, 5 TO 9 PERCENT SLOPES							
		ROSEBUD	50	3	2	0.28	4	1/
		CANYON	30	1	2	0.32	2	
RKC	ROSEBUD-KEITH SILT LOAMS, 3 TO 9 PERCENT SLOPES							
		ROSEBUD	50	3	2	0.32	4	
		KEITH	30	3	3	0.32	5	
SS	SAMSIL-SHALE OUTCROP COMPLEX							
		SAMSIL	50	1	2	0.37	2	
		SHALE OUTC	30	ER	ER			
SW	SWANBOY CLAY							
		SWANBOY	100	1	3	0.37	5	
TAF	TASSEL-ANSELMO COMPLEX, 10 TO 40 PERCENT SLOPES							
		TASSEL	50	1	2	0.24	2	
		ANSELMO	30	1	2	0.20	5	
TE	TERRACE ESCARPMENTS							
		TERRACE ES	100	ER	1			
TNA	TUTHILL AND ANSELMO FINE SANDY LOAMS, 0 TO 3 PERCENT SLOPES							
		TUTHILL	50	1	3	0.20	4	1/
		ANSELMO	50	1	3	0.20	5	
TNC	TUTHILL AND ANSELMO FINE SANDY LOAMS, 3 TO 9 PERCENT SLOPES							
		TUTHILL	50	1	3	0.20	4	1/
		ANSELMO	50	1	3	0.20	5	
TUA	TUTHILL AND MANTER SOILS, 0 TO 3 PERCENT SLOPES							
		TUTHILL	50	1	3	0.20	4	1/
		MANTER	50	1	3	0.15	5	
TUB	TUTHILL AND MANTER SOILS, 3 TO 5 PERCENT SLOPES							
		TUTHILL	50	1	3	0.20	4	
		MANTER	50	1	3	0.15	5	
TUC	TUTHILL AND MANTER SOILS, 5 TO 9 PERCENT SLOPES							
		TUTHILL	50	1	3	0.20	4	
		MANTER	50	1	3	0.15	5	
UCC	ULYSSES-COLBY COMPLEX, SAND SUBSTRATUM, 3 TO 9 PERCENT SLOPES							
		ULYSSES	50	3	3	0.32	5	
		COLBY	30	1	2	0.43	5	
VAC	VALENTINE FINE SAND, ROLLING							
		VALENTINE	100	1	3	0.15	5	
VAD	VALENTINE FINE SAND, HILLY							
		VALENTINE	100	1	3	0.15	5	
VS	VALENTINE SAND							
		VALENTINE	100	1	2	0.15	5	
WW	WORTMAN-WANBLEE COMPLEX							
		WORTMAN	50	1	3	0.32	3	
		WANBLEE	30	1	3	0.32	3	

Footnotes:

R = 50, C = 0.50

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. HOVEN SOILS

2/ This map unit may have inclusions of hydric soils in depressions. LOUP SOILS