6/30/88

SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 065
HUGHES CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL LV K	SOIL LV T	HYDRIC SOILS
00030	MARSH							
		MARSH	100	ER	ER			HY-4
AGA	AGAR SILT LOAM, 0 TO 2 PERCENT SLOPES							
		AGAR	100	3	3	0.32	5	1/
AGB	AGAR SILT LOAM, 2 TO 5 PERCENT SLOPES							
		AGAR	100	3	3	0.32	5	1/
AKB	AGAR-EAKIN SILT LOAMS, 2 TO 5 PERCENT SLOPES							
		AGAR	50	3	3	0.32	5	
		EAKIN	30	3	3	0.32	5	
AS	ALLUVIAL LAND, SANDY							
		ALLUVIAL L	100	1	3	0.15	5	
AU	ALLUVIAL LAND, UNDIFFERENTIATED							
		NIMBRO	50	3	3	0.28	5	
		WENDTE	50	3	3	0.37	5	
AW	ALLUVIAL LAND, WET							
		ALLUVIAL L	100	1	3	0.17	5	HY-1
BEE	BETTS LOAM, 15 TO 40 PERCENT SLOPES							
		BETTS	100	3	1	0.28	5	
BO	BON LOAM							
		BON	100	3	3	0.24	5	
CAA	CANNING LOAM, 0 TO 2 PERCENT SLOPES							
		CANNING	100	3	3	0.28	4	1/
CAB	CANNING LOAM, 2 TO 5 PERCENT SLOPES							
		CANNING	100	3	3	0.28	4	
CDA	CAVO-DEMKY SILT LOAMS, 0 TO 2 PERCENT SLOPES							
		CAVO	50	3	3	0.32	3	1/
		DEMKY	30	3	3	0.32	3	
CHC	CHANTIER CLAY, 2 TO 9 PERCENT SLOPES							
		CHANTIER	100	1	2	0.37	2	
CU	CUT AND FILL LAND							
		CUT AND FI	100	ER	ER			
DEA	DEGREY-WALKE SILT LOAMS, 0 TO 2 PERCENT SLOPES							
		DEGREY	50	3	3	0.37	3	1/
		WALKE	30	3	3	0.32	3	
DKA	DEMKY-CAVO SILT LOAMS, 0 TO 2 PERCENT SLOPES							
		DEMKY	50	3	3	0.32	3	1/
		CAVO	30	3	3	0.32	3	
DO	DORNA SILT LOAM							
		DORNA	100	3	3	0.32	4	
DR	DORNA SILT LOAM, THIN SOLUM							
		DORNA	100	3	3	0.32	4	
DU	DURRSTEIN-EGAS COMPLEX							
		DURRSTEIN	50	3	3	0.37	3	HY-1
		EGAS	30	3	3	0.28	5	HY-1
ERA	EAKIN-RABER SILT LOAMS, 0 TO 2 PERCENT SLOPES							
		EAKIN	50	3	3	0.32	5	1/
		RABER	30	3	3	0.28	5	
ERB	EAKIN-RABER SILT LOAMS, 2 TO 5 PERCENT SLOPES							
		EAKIN	50	3	3	0.32	5	1/
		RABER	30	3	3	0.28	5	
ERC	EAKIN-RABER SILT LOAMS, 5 TO 9 PERCENT SLOPES							
		EAKIN	50	3	3	0.32	5	1/
		RABER	30	3	3	0.28	5	
FD	FILL LAND							
		FILL LAND	100	ER	ER			
GEE	GETTYS CLAY LOAM, 15 TO 40 PERCENT SLOPES							
		GETTYS	100	3	1	0.28	5	
GHC	GLENHAM-HIGHMORE SILT LOAMS, 5 TO 9 PERCENT SLOPES							
		GLENHAM	50	3	3	0.28	5	1/
		HIGHMORE	30	3	3	0.32	5	
HEA	HIGHMORE SILT LOAM, 0 TO 2 PERCENT SLOPES							
		HIGHMORE	100	3	3	0.32	5	1/
HGA	HIGHMORE-DEGREY SILT LOAMS, 0 TO 2 PERCENT SLOPES							
		HIGHMORE	50	3	3	0.32	5	1/
		DEGREY	30	3	3	0.37	3	

SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA D65
HUGHES CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL LV K	SOIL LV T	HYDRIC SOILS
HGB	HIGHMORE-DEGREY SILT LOAMS, 2 TO 5 PERCENT SLOPES							
		HIGHMORE	50	3	3	0.32	5	
		DEGREY	30	3	3	0.37	3	
HKA	HIGHMORE-EAKIN SILT LOAMS, 0 TO 2 PERCENT SLOPES							
		HIGHMORE	50	3	3	0.32	5	1/
		EAKIN	30	3	3	0.32	5	
HKB	HIGHMORE-EAKIN SILT LOAMS, 2 TO 5 PERCENT SLOPES							
		HIGHMORE	50	3	3	0.32	5	1/
		EAKIN	30	3	3	0.32	5	
HLB	HIGHMORE-GLENHAM SILT LOAMS, 2 TO 5 PERCENT SLOPES							
		HIGHMORE	50	3	3	0.32	5	1/
		GLENHAM	30	3	3	0.28	5	
HMA	HIGHMORE-WALKE SILT LOAMS, 0 TO 2 PERCENT SLOPES							
		HIGHMORE	50	3	3	0.32	5	1/
		WALKE	30	3	3	0.32	3	
HN	HOVEN SILT LOAM							
		HOVEN	100	3	3	0.37	3	HY-3
HO	HOVEN-ONITA SILT LOAMS							
		HOVEN	50	3	3	0.37	3	HY-3
		ONITA	30	3	3	0.28	5	
HUB	HURLEY SILT LOAM, 0 TO 6 PERCENT SLOPES							
		HURLEY	100	3	3	0.37	3	
JBD	JAVA-BETTS LOAMS, 9 TO 15 PERCENT SLOPES							
		JAVA	50	3	2	0.28	5	1/
		BETTS	30	3	2	0.28	5	
JGC	JAVA-GLENHAM LOAMS, 2 TO 9 PERCENT SLOPES							
		JAVA	50	3	3	0.28	5	1/
		GLENHAM	30	3	3	0.28	5	
JLA	JERAULD SILT LOAM, 0 TO 2 PERCENT SLOPES							
		JERAULD	100	3	3	0.37	3	1/
LOA	LOWRY SILT LOAM, 0 TO 2 PERCENT SLOPES							
		LOWRY	100	3	3	0.32	5	1/
LOB	LOWRY SILT LOAM, 2 TO 5 PERCENT SLOPES							
		LOWRY	100	3	3	0.32	5	
LOC	LOWRY SILT LOAM, 5 TO 9 PERCENT SLOPES							
		LOWRY	100	3	3	0.32	5	
LUB	LOWRY-URBAN LAND COMPLEX, 2 TO 5 PERCENT SLOPES							
		LOWRY	50	3	3	0.32	5	
		URBAN LAND	30	ER	ER			
LUC	LOWRY-URBAN LAND COMPLEX, 5 TO 9 PERCENT SLOPES							
		LOWRY	50	3	3	0.32	5	
		URBAN LAND	30	ER	ER			
MA	MACKEN SILTY CLAY							
		MACKEN	100	3	3	0.37	5	HY-5
MBA	MILLBORO SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES							
		MILLBORO	100	3	3	0.37	5	
MOA	MOSHER SILT LOAM, 0 TO 2 PERCENT SLOPES							
		MOSHER	100	3	3	0.37	3	
MU	MUNJOR FINE SANDY LOAM							
		MUNJOR	100	3	3	0.24	5	
OAC	OAHE-ORTON LOAMS, 2 TO 9 PERCENT SLOPES							
		OAHE	50	3	3	0.28	4	
		ORTON	30	3	3	0.24	4	
OCB	OKO CLAY LOAM, 2 TO 5 PERCENT SLOPES							
		OKO	100	3	3	0.37	5	
OCC	OKO CLAY LOAM, 5 TO 9 PERCENT SLOPES							
		OKO	100	3	2	0.37	5	
ODC	OKO-JERAULD COMPLEX, 2 TO 9 PERCENT SLOPES							
		OKO	50	3	2	0.37	5	1/
		JERAULD	30	3	2	0.37	3	
ONA	ONITA SILT LOAM, 0 TO 2 PERCENT SLOPES							
		ONITA	100	3	3	0.28	5	1/
OOA	ONITA-HOVEN SILT LOAMS, 0 TO 1 PERCENT SLOPES							
		ONITA	50	3	3	0.28	5	
		HOVEN	30	3	3	0.37	3	HY-3
OPB	OPAL CLAY, 2 TO 5 PERCENT SLOPES							
		OPAL	100	1	3	0.37	4	

SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 065
HUGHES CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL LV K	SOIL LV T	HYDRIC SOILS
OPC	OPAL CLAY, 5 TO 9 PERCENT SLOPES							
		OPAL	100	1	2	0.37	4	
ORD	OPAL-LAKOMA CLAYS, 9 TO 15 PERCENT SLOPES							
		OPAL	50	1	2	0.37	4	
		LAKOMA	30	1	2	0.37	4	
PED	PENO-GETTYS CLAY LOAMS, 9 TO 15 PERCENT SLOPES							
		PENO	50	3	2	0.28	5	
		GETTYS	30	3	2	0.28	5	
PND	PENO-SWANBOY COMPLEX, 3 TO 15 PERCENT SLOPES							
		PENO	50	3	2	0.28	5	
		SWANBOY	30	3	2	0.37	5	
PRA	PROMISE CLAY, 0 TO 2 PERCENT SLOPES							
		PROMISE	100	3	3	0.37	5	1/
PRB	PROMISE CLAY, 2 TO 5 PERCENT SLOPES							
		PROMISE	100	3	3	0.37	5	
PSA	PROMISE-MOSHER COMPLEX, 0 TO 2 PERCENT SLOPES							
		PROMISE	50	3	3	0.37	5	
		MOSHER	30	3	3	0.37	3	
RAA	RABER-CAVO LOAMS, 0 TO 2 PERCENT SLOPES							
		RABER	50	3	3	0.28	5	1/
		CAVO	30	3	3	0.32	3	
RAB	RABER-CAVO LOAMS, 2 TO 5 PERCENT SLOPES							
		RABER	50	3	3	0.28	5	1/
		CAVO	30	3	3	0.32	3	
RBC	RABER-PENO CLAY LOAMS, 2 TO 9 PERCENT SLOPES							
		RABER	50	3	3	0.28	5	
		PENO	30	3	3	0.28	5	
RDC	RABER AND OKO STONY SOILS, 3 TO 15 PERCENT SLOPES							
		RABER	50	3	2	0.20	5	
		OKO STONY	50	3	2	0.28	5	
REA	REE LOAM, 0 TO 2 PERCENT SLOPES							
		REE	100	3	3	0.28	5	
REB	REE LOAM, 2 TO 5 PERCENT SLOPES							
		REE	100	3	3	0.28	5	
RMA	REE-MOSHER COMPLEX, 0 TO 2 PERCENT SLOPES							
		REE	50	3	3	0.28	5	
		MOSHER	30	3	3	0.37	3	
RO	ROUGH BROKEN LAND							
		GETTYS	50	3	1	0.28	5	
		LAKOMA	50	1	1	0.37	4	
SAE	SANSARC-GETTYS COMPLEX, 9 TO 34 PERCENT SLOPES							
		SANSARC	50	1	1	0.37	2	
		GETTYS	30	3	1	0.28	5	
SCE	SANSARC-LAKOMA CLAYS, 9 TO 40 PERCENT SLOPES							
		SANSARC	50	1	1	0.37	2	
		LAKOMA	30	1	1	0.37	4	
SO	SANSARC-SHALE OUTCROP COMPLEX							
		SANSARC	50	1	1	0.37	2	
		SHALE OUTC	30	ER	ER			
SF	SCHAMBER-ORTON COMPLEX							
		SCHAMBER	50	1	2	0.17	2	
		ORTON	30	3	2	0.24	4	
SH	SHALE LAND							
		SHALE LAND	100	ER	ER			
SUA	SULLY SILT LOAM, 0 TO 2 PERCENT SLOPES							
		SULLY	100	3	3	0.43	5	
SUC	SULLY SILT LOAM, 2 TO 9 PERCENT SLOPES							
		SULLY	100	3	2	0.43	5	
SUD	SULLY SILT LOAM, 9 TO 15 PERCENT SLOPES							
		SULLY	100	3	2	0.43	5	
SUE	SULLY SILT LOAM, 15 TO 35 PERCENT SLOPES							
		SULLY	100	3	1	0.43	5	
SWB	SWANBOY CLAY, 0 TO 6 PERCENT SLOPES							
		SWANBOY	100	3	3	0.37	5	
SX	SWANBOY-SLICKSPOTS COMPLEX							
		SWANBOY	50	3	3	0.37	5	
		SLICKSPOTS	30	ER	ER			

Footnotes:

R = 70, C = 0.45

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

TABLE B : "I" FACTOR VALUES

February 20, 19

HUGHES COUNTY, SOUTH DAKOTA

NIT_NAME	COMPNAME	I
SILT LOAM, 0 TO 2 PERCENT SLOPES	AGAR	48
SILT LOAM, 2 TO 5 PERCENT SLOPES	AGAR	48
EAKIN SILT LOAMS, 2 TO 5 PERCENT SLOPES	AGAR	48
EAKIN SILT LOAMS, 2 TO 5 PERCENT SLOPES	EAKIN	48
LE FINE SAND	INAVALE	250
D AND WENDTE SOILS, CHANNELED	NIMBRO	86
D AND WENDTE SOILS, CHANNELED	WENDTE	86
ING-NORWAY LOAMY FINE SANDS	MECKLING	134
ING-NORWAY LOAMY FINE SANDS	NORWAY	134
LOAM, 15 TO 40 PERCENT SLOPES	BETTS	86
OAM	BON	48
NG LOAM, 0 TO 2 PERCENT SLOPES	CANNING	48
NG LOAM, 2 TO 5 PERCENT SLOPES	CANNING	48
DEMKY SILT LOAMS, 0 TO 2 PERCENT SLOPES	CAVO	48
DEMKY SILT LOAMS, 0 TO 2 PERCENT SLOPES	DEMKY	48
IER CLAY, 2 TO 9 PERCENT SLOPES	CHANTIER	86
ND FILL LAND	ORTHENTS, LOAMY	86
ND FILL LAND	ORTHENTS, SHALY	86
-WALKE SILT LOAMS, 0 TO 2 PERCENT SLOPES	DEGREY	48
-WALKE SILT LOAMS, 0 TO 2 PERCENT SLOPES	WALKE	48
CAVO SILT LOAMS, 0 TO 2 PERCENT SLOPES	DEMKY	48
CAVO SILT LOAMS, 0 TO 2 PERCENT SLOPES	CAVO	48
SILT LOAM	DORNA	56
SILT LOAM, THIN SOLUM	DORNA	56
EIN-EGAS COMPLEX	DURRSTEIN	48
EIN-EGAS COMPLEX	EGAS	86
RABER SILT LOAMS, 0 TO 2 PERCENT SLOPES	EAKIN	48
RABER SILT LOAMS, 0 TO 2 PERCENT SLOPES	RABER	48
RABER SILT LOAMS, 2 TO 5 PERCENT SLOPES	EAKIN	48
RABER SILT LOAMS, 2 TO 5 PERCENT SLOPES	RABER	48
RABER SILT LOAMS, 5 TO 9 PERCENT SLOPES	EAKIN	48
RABER SILT LOAMS, 5 TO 9 PERCENT SLOPES	RABER	48
AND	ORTHENTS, LOAMY	86
CLAY LOAM, 15 TO 40 PERCENT SLOPES	GETTYS	86
M-HIGHMORE SILT LOAMS, 5 TO 9 PERCENT SLOPES	GLENHAM	48
M-HIGHMORE SILT LOAMS, 5 TO 9 PERCENT SLOPES	HIGHMORE	48
RE SILT LOAM, 0 TO 2 PERCENT SLOPES	HIGHMORE	48
RE-DEGREY SILT LOAMS, 0 TO 2 PERCENT SLOPES	HIGHMORE	48
RE-DEGREY SILT LOAMS, 0 TO 2 PERCENT SLOPES	DEGREY	48
RE-DEGREY SILT LOAMS, 2 TO 5 PERCENT SLOPES	HIGHMORE	48
RE-DEGREY SILT LOAMS, 2 TO 5 PERCENT SLOPES	DEGREY	48
RE-EAKIN SILT LOAMS, 0 TO 2 PERCENT SLOPES	HIGHMORE	48
RE-EAKIN SILT LOAMS, 0 TO 2 PERCENT SLOPES	EAKIN	48
RE-EAKIN SILT LOAMS, 2 TO 5 PERCENT SLOPES	HIGHMORE	48
RE-EAKIN SILT LOAMS, 2 TO 5 PERCENT SLOPES	EAKIN	48
RE-GLENHAM SILT LOAMS, 2 TO 5 PERCENT SLOPES	HIGHMORE	48
RE-GLENHAM SILT LOAMS, 2 TO 5 PERCENT SLOPES	GLENHAM	48
RE-WALKE SILT LOAMS, 0 TO 2 PERCENT SLOPES	HIGHMORE	48
RE-WALKE SILT LOAMS, 0 TO 2 PERCENT SLOPES	WALKE	48
SILT LOAM	HOVEN	48
ONITA SILT LOAMS	HOVEN	48
ONITA SILT LOAMS	ONITA	48
SILT LOAM, 0 TO 6 PERCENT SLOPES	HURLEY	48
ETTS LOAMS, 9 TO 15 PERCENT SLOPES	JAVA	48
ETTS LOAMS, 9 TO 15 PERCENT SLOPES	BETTS	86
LENHAM LOAMS, 2 TO 9 PERCENT SLOPES	JAVA	48

NIT_NAME	COMPNAME	I
GLENHAM LOAMS, 2 TO 9 PERCENT SLOPES	GLENHAM	48
LD SILT LOAM, 0 TO 2 PERCENT SLOPES	JERAULD	48
SILT LOAM, 0 TO 2 PERCENT SLOPES	LOWRY	56
SILT LOAM, 2 TO 5 PERCENT SLOPES	LOWRY	56
SILT LOAM, 5 TO 9 PERCENT SLOPES	LOWRY	56
-URBAN LAND COMPLEX, 2 TO 5 PERCENT SLOPES	LOWRY	56
-URBAN LAND COMPLEX, 2 TO 5 PERCENT SLOPES	URBAN LAND	86
-URBAN LAND COMPLEX, 5 TO 9 PERCENT SLOPES	LOWRY	56
-URBAN LAND COMPLEX, 5 TO 9 PERCENT SLOPES	URBAN LAND	86
N SILTY CLAY	MACKEN	86
	AQUOLLS	0
ORO SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	MILLBORO	86
R SILT LOAM, 0 TO 2 PERCENT SLOPES	MOSHER	48
R FINE SANDY LOAM	MUNJOR	86
ORTON LOAMS, 2 TO 9 PERCENT SLOPES	OAHE	48
ORTON LOAMS, 2 TO 9 PERCENT SLOPES	ORTON	56
LAY LOAM, 2 TO 5 PERCENT SLOPES	OKO	48
LAY LOAM, 5 TO 9 PERCENT SLOPES	OKO	48
ERAULD COMPLEX, 2 TO 9 PERCENT SLOPES	OKO	48
ERAULD COMPLEX, 2 TO 9 PERCENT SLOPES	JERAULD	48
SILT LOAM, 0 TO 2 PERCENT SLOPES	ONITA	48
-HOVEN SILT LOAMS, 0 TO 1 PERCENT SLOPES	ONITA	48
-HOVEN SILT LOAMS, 0 TO 1 PERCENT SLOPES	HOVEN	48
CLAY, 2 TO 5 PERCENT SLOPES	OPAL	86
CLAY, 5 TO 9 PERCENT SLOPES	OPAL	86
LAKOMA CLAYS, 9 TO 15 PERCENT SLOPES	OPAL	86
LAKOMA CLAYS, 9 TO 15 PERCENT SLOPES	LAKOMA	86
GETTYS CLAY LOAMS, 9 TO 15 PERCENT SLOPES	PENO	48
GETTYS CLAY LOAMS, 9 TO 15 PERCENT SLOPES	GETTYS	86
BULLCREEK COMPLEX, 3 TO 15 PERCENT SLOPES	PENO	48
BULLCREEK COMPLEX, 3 TO 15 PERCENT SLOPES	BULLCREEK	86
SE CLAY, 0 TO 2 PERCENT SLOPES	PROMISE	86
SE CLAY, 2 TO 5 PERCENT SLOPES	PROMISE	86
SE-MOSHER COMPLEX, 0 TO 2 PERCENT SLOPES	PROMISE	86
SE-MOSHER COMPLEX, 0 TO 2 PERCENT SLOPES	MOSHER	48
-CAVO LOAMS, 0 TO 2 PERCENT SLOPES	RABER	48
-CAVO LOAMS, 0 TO 2 PERCENT SLOPES	CAVO	48
-CAVO LOAMS, 2 TO 5 PERCENT SLOPES	RABER	48
-CAVO LOAMS, 2 TO 5 PERCENT SLOPES	CAVO	48
-PENO CLAY LOAM	RABER	48
-PENO CLAY LOAM	PENO	48
AND OKO STONY SOILS, 3 TO 15 PERCENT SLOPES	RABER	0
AND OKO STONY SOILS, 3 TO 15 PERCENT SLOPES	OKO	0
OAM, 0 TO 2 PERCENT SLOPES	REE	48
OAM, 2 TO 5 PERCENT SLOPES	REE	48
OSHER COMPLEX, 0 TO 2 PERCENT SLOPES	REE	48
OSHER COMPLEX, 0 TO 2 PERCENT SLOPES	MOSHER	48
-GETTYS-ROCK OUTCROP COMPLEX, 15 TO 40 PERCENT SLOPES	LAKOMA	86
-GETTYS-ROCK OUTCROP COMPLEX, 15 TO 40 PERCENT SLOPES	GETTYS	86
-GETTYS-ROCK OUTCROP COMPLEX, 15 TO 40 PERCENT SLOPES	ROCK OUTCROP, SOFT	86
C-GETTYS COMPLEX, 9 TO 34 PERCENT SLOPES	SANSARC	86
C-GETTYS COMPLEX, 9 TO 34 PERCENT SLOPES	GETTYS	86
C-LAKOMA CLAYS, 9 TO 40 PERCENT SLOPES	SANSARC	86
C-LAKOMA CLAYS, 9 TO 40 PERCENT SLOPES	LAKOMA	86
C-SHALE OUTCROP COMPLEX	SANSARC	86
C-SHALE OUTCROP COMPLEX	ROCK OUTCROP, SOFT	86

IT_NAME	COMPNAME	I
ER-ORTON COMPLEX	SCHAMBER	48
ER-ORTON COMPLEX	ORTON	56
LAND	ROCK OUTCROP, SOFT	86
SILT LOAM, 0 TO 2 PERCENT SLOPES	SULLY	86
SILT LOAM, 2 TO 9 PERCENT SLOPES	SULLY	86
SILT LOAM, 9 TO 15 PERCENT SLOPES	SULLY	86
SILT LOAM, 15 TO 35 PERCENT SLOPES	SULLY	86
EEK CLAY, 0 TO 6 PERCENT SLOPES	BULLCREEK	86
EEK-SLICKSPOTS COMPLEX	BULLCREEK	86
EEK-SLICKSPOTS COMPLEX	SLICKSPOTS, DRY	48
LESS THAN 40 ACRES	WATER (LESS THAN 40 ACRES)	