SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 055
HAAKON COUNTY
(FROZEN FACTORS)

PUBLISHED SYMBOL	SOIL MAP UNIT NAME	COMPONENT	%	HEL CLASS WIND	HEL CLASS WATER	SOIL K	LV T	I	HYDRIC SOILS
Ab	ALBATON SILTY CLAY, DEPRESSIONAL	ALBATON	100	1	3	0.37	5	86	HY
Ar	ARVADA SILT LOAM	ARVADA	100	1	3	0.32	3	48	
As	ARVADA-SLICKSPOTS COMPLEX	ARVADA	50	1	3	0.32	3	48	
		SLICKSPOTS	30	ER	ER	0.37	3	NA	
Bc	BANKARD LOAMY SAND, HUMMOCKY	BANKARD	100	1	3	0.15	5	134	
Bd	BANKARD VERY FINE SANDY LOAM	BANKARD	100	1	3	0.24	5	86	
BkA	BLACKPIPE SILTY CLAY LOAM	BLACKPIPE	100	3	3	0.32	4	48	1/
BkB	BLACKPIPE SILTY CLAY LOAM	BLACKPIPE	100	3	3	0.32	4	48	1/
Bo	BLACKPIPE-WORTMAN COMPLEX	BLACKPIPE	50	3	3	0.32	4	48	1/
		WORTMAN	30	1	3	0.37	3	48	
Bu	BULLCREEK CLAY	BULLCREEK	100	1	3	0.37	5	86	2/
Bx	BULLCREEK-SLICKSPOTS COMPLEX	BULLCREEK	50	1	3	0.37	5	86	
		SLICKSPOTS	30	ER	ER	0.37	3	NA	
Ca	CANNING LOAM	CANNING	100	3	3	0.28	4	48	
CbA	CAPA SILT LOAM	CAPA	100	1	3	0.37	3	48	
Cc	CAPA-SLICKSPOTS COMPLEX	CAPA	50	1	3	0.37	3	48	
		SLICKSPOTS	30	ER	ER	0.37	3	NA	
Ct	CAPA-WENDTE, CHANNELED, COMPLEX	CAPA	50	1	3	0.37	3	48	2/
		WENDTE	30	1	3	0.37	5	86	
Cv	CRAFT VERY FINE SANDY LOAM	CRAFT	100	1	3	0.24	5	86	
Eg	EGAS SILTY CLAY LOAM	EGAS	100	1	3	0.28	5	86	HY
Ha	HAVERSON SILT LOAM	HAVERSON	100	1	3	0.28	5	86	2/
Hb	HAVERSON SILT LOAM, CHANNELED	HAVERSON	100	1	3	0.28	5	86	2/
Hc	HAVERSON-CRAFT COMPLEX	HAVERSON	50	1	3	0.28	5	86	2/
		CRAFT	30	1	3	0.24	5	86	
Ho	HILMOE SILTY CLAY	HILMOE	100	1	3	0.37	5	86	
HpB	HISLE SILT LOAM	HISLE	100	1	1	0.32	3	48	
Hv	HOVEN SILT LOAM	HOVEN	100	1	3	0.37	3	48	HY
KeA	KIRLEY CLAY LOAM	KIRLEY	100	3	3	0.32	5	48	1/
KeB	KIRLEY CLAY LOAM	KIRLEY	100	3	3	0.32	5	48	1/
KeD	KIRLEY CLAY LOAM	KIRLEY	100	3	3	0.32	5	48	
KfB	KIRLEY-CANNING COMPLEX	KIRLEY	50	3	3	0.32	5	48	
		CANNING	30	3	3	0.28	4	48	
KhA	KIRLEY-MOSHER COMPLEX	KIRLEY	50	3	3	0.32	5	48	1/
		MOSHER	30	1	3	0.37	3	48	
KhB	KIRLEY-MOSHER COMPLEX	KIRLEY	50	3	3	0.32	5	48	1/
		MOSHER	30	1	3	0.37	3	48	
KmA	KIRLEY-OTTUMWA COMPLEX	KIRLEY	50	3	3	0.32	5	48	1/
		OTTUMWA	30	1	3	0.37	5	86	
KmB	KIRLEY-OTTUMWA COMPLEX	KIRLEY	50	3	3	0.32	5	48	1/
		OTTUMWA	30	1	3	0.37	5	86	
KmC	KIRLEY-OTTUMWA COMPLEX	KIRLEY	50	3	3	0.32	5	48	
		OTTUMWA	30	1	3	0.37	5	86	
KnD	KIRLEY-VIVIAN COMPLEX	KIRLEY	50	3	2	0.32	5	48	
		VIVIAN	30	1	2	0.24	4	86	
Ko	KOLLS CLAY	KOLLS	100	1	3	0.37	5	86	HY
KyA	KYLE CLAY	KYLE	100	1	3	0.37	5	86	1/
KyB	KYLE CLAY	KYLE	100	1	3	0.37	5	86	1/
LaB	LAKOMA SILTY CLAY	LAKOMA	100	1	3	0.37	4	86	1/
LaC	LAKOMA SILTY CLAY	LAKOMA	100	1	2	0.37	4	86	2/
LaD	LAKOMA SILTY CLAY	LAKOMA	100	1	2	0.37	4	86	2/
LbE	LAKOMA-VIVIAN COMPLEX	LAKOMA	50	1	2	0.37	4	86	
		VIVIAN	30	1	2	0.24	4	86	
Lo	LOHMILLER SILTY CLAY	LOHMILLER	100	1	3	0.32	5	86	2/
Lp	LOHMILLER SILTY CLAY, CHANNELED	LOHMILLER	100	1	3	0.32	5	86	2/
Lv	LOHMILLER-ARVADA COMPLEX	LOHMILLER	50	1	3	0.32	5	86	2/
		ARVADA	30	1	3	0.32	3	48	

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PUBLISHED SYMBOL	SOIL MAP UNIT NAME	COMPONENT	%	HEL CLASS WIND	HEL CLASS WATER	SOIL K	LV T		HYDRIC SOILS
MaE	MIDWAY SILTY CLAY LOAM	MIDWAY	100	1	1	0.43	2	86	
Mo	MOSHER SILT LOAM	MOSHER	100	1	3	0.37	3	48	
Nb	NIMBRO SILTY CLAY LOAM	NIMBRO	100	1	3	0.28	5	86	2/
Nc	NIMBRO SILTY CLAY LOAM, CHANNELED	NIMBRO	100	1	3	0.28	5	86	2/
ObE	OKATON-LAKOMA SILTY CLAYS	OKATON	50	1	1	0.37	2	86	
		LAKOMA	30	1	1	0.37	4	86	
Oc	ONITA SILT LOAM	ONITA	100	3	3	0.28	5	48	
OdB	OPAL CLAY	OPAL	100	1	3	0.37	4	86	2/
OdC	OPAL CLAY	OPAL	100	1	2	0.37	4	86	2/
OdD	OPAL CLAY	OPAL	100	1	1	0.37	4	86	2/
OeB	OPAL-PROMISE CLAYS	OPAL	50	1	3	0.37	4	86	1/
		PROMISE	30	1	3	0.37	5	86	
OeC	OPAL-PROMISE CLAYS	OPAL	50	1	2	0.37	4	86	
		PROMISE	30	1	2	0.37	5	86	
Of	ORTHENTS, CLAYEY	ORTHENTS	100	1	1	0.2	2	56	
Og	ORTHENTS, GRAVELLY	ORTHENTS	100	1	1	0.2	3	56	
OtA	OTTUMWA SILTY CLAY	OTTUMWA	100	1	3	0.37	5	86	1/
OtB	OTTUMWA SILTY CLAY	OTTUMWA	100	1	3	0.37	5	86	1/
OvA	OTTUMWA-CAPA COMPLEX	OTTUMWA	50	1	3	0.37	5	86	1/
		CAPA	30	1	3	0.37	3	48	
OwB	OTTUMWA-LAKOMA SILTY CLAYS	OTTUMWA	50	1	3	0.37	5	86	1/
		LAKOMA	30	1	3	0.37	4	86	
OwC	OTTUMWA-LAKOMA SILTY CLAYS	OTTUMWA	50	1	1	0.37	5	86	
		LAKOMA	30	1	1	0.37	4	86	
OxC	OTTUMWA-RAZOR SILTY CLAYS	OTTUMWA	50	1	3	0.37	5	86	2/
		RAZOR	30	1	2	0.32	4	86	
OyC	OTTUMWA-RAZOR-SAVO COMPLEX	OTTUMWA	40	1	2	0.37	5	86	
		RAZOR	30	1	2	0.32	4	86	
		SAVO	20	3	3	0.32	5	48	
PeC	PIERRE CLAY	PIERRE	100	1	2	0.37	4	86	
PeD	PIERRE CLAY	PIERRE	100	1	1	0.37	4	86	
PkE	PIERRE-SAMSIL CLAYS	PIERRE	50	1	1	0.37	4	86	
		SAMSIL	30	1	1	0.37	2	86	
PrA	PROMISE CLAY	PROMISE	100	1	3	0.37	5	86	1/
PrB	PROMISE CLAY	PROMISE	100	1	3	0.37	5	86	1/
RaB	RAZOR SILTY CLAY	RAZOR	100	1	3	0.32	4	86	2/
RaC	RAZOR SILTY CLAY	RAZOR	100	1	2	0.32	4	86	2/
RbD	RAZOR-MIDWAY COMPLEX	RAZOR	50	1	2	0.32	4	86	
		MIDWAY	30	1	1	0.43	2	86	
RdD	RAZOR-SHINGLE COMPLEX	RAZOR	50	1	1	0.32	4	86	
		SHINGLE	30	1	1	0.32	2	86	
ReA	REE LOAM	REE	100	3	3	0.28	5	48	1/
ReB	REE LOAM	REE	100	3	3	0.28	5	48	1/
RtB	REE-CANNING LOAMS	REE	50	3	3	0.28	5	48	1/
		CANNING	30	3	3	0.28	4	48	
RfC	REE-CANNING LOAMS	REE	50	3	3	0.28	5	48	
		CANNING	30	3	2	0.28	4	48	
Rh	REE-HOVEN COMPLEX	REE	50	3	3	0.28	5	48	
		HOVEN	30	1	3	0.37	3	48	HY
RkD	REE-VIVIAN COMPLEX	REE	50	3	2	0.28	5	48	
		VIVIAN	30	1	2	0.24	4	86	
Rv	RIVERWASH	RIVERWASH	100	1	3	0.1	1	310	UNRANKED
SbF	SAMSIL CLAY	SAMSIL	100	1	1	0.37	2	86	
ScF	SAMSIL-NIHILL COMPLEX	SAMSIL	50	1	1	0.37	2	86	
		NIHILL	30	3	2	0.24	4	48	
SdF	SAMSIL-ROCK OUTCROP COMPLEX	SAMSIL	50	1	1	0.37	2	86	
		ROCK OUTCROP	30	ER	ER	-	-	NA	

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SoE	SANSARC-OPAL CLAYS	SANSARC	50	1	1	0.37	2	86	2/
		OPAL	30	1	1	0.37	4	86	
SrA	SAVO SILT LOAM	SAVO	100	3	3	0.32	5	48	1/
		SAMSIL	30	1	1	0.37	2	86	
SuE	SHINGLE SILTY CLAY LOAM	SHINGLE	100	1	1	0.32	2	86	
SwE	SHINGLE-RAZOR COMPLEX	SHINGLE	50	1	1	0.32	2	86	
		RAZOR	30	1	1	0.32	4	86	
Wc	WENDTE SILTY CLAY	WENDTE	100	1	3	0.37	5	86	2/
Wd	WENDTE-HERDCAMP SILTY CLAYS, CHANNELED	WENDTE	60	1	3	0.37	5	86	
		HERDCAMP	25	1	3	0.37	5	86	HY
WsE	WENDTE, CHANNELED-SANSARC COMPLEX	WENDTE	50	1	3	0.37	5	86	2/
		SANSARC	30	1	1	0.37	2	86	
Ww	WORTMAN-WANBLEE SILT LOAMS	WORTMAN	50	1	3	0.32	3	48	1/
		WANBLEE	30	1	3	0.32	3	48	

Footnotes:

R = 60, C = 0.50

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

HY = HYDRIC SOILS

ER = ERROR (NOT RATED)

1/ = This map unit may have inclusions of hydric soils in depressions. HOVEN OR KOLLS SOILS

2/ = This map unit may have inclusions of hydric soils if dissected by a channel. HERDCAMP OR EGAS SOILS

6/30/88

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FOR SOIL SURVEY AREA 055
HAAKON CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL K	LV T	HYDRIC SOILS
1	HILMOE CLAY							
		HILMOE	100	1	3	0.28	5	
2	NIMBRO SILTY CLAY LOAM							
		NIMBRO	100	3	3	0.28	5	
3	NIMBRO SILTY CLAY LOAM, CHANNELED							
		NIMBRO	100	3	3	0.28	5	
4	HAVERSON SILT LOAM							
		HAVERSON	100	1	3	0.28	5	
5	RIVERWASH-BANKARD COMPLEX							
		RIVERWASH	50	ER	ER	-	-	
		BANKARD	30	1	3	0.10	5	
6	WENDTE SILTY CLAY							
		WENDTE	100	1	3	0.28	5	
7	WENDTE SILTY CLAY, CHANNELED							
		WENDTE	100	1	3	0.28	5	
7E	WENDTE-SAMSIL COMPLEX							
		WENDTE	50	1	3	0.28	5	
		SAMSIL	30	1	1	0.37	2	
8	WENDTE-HURLEY COMPLEX, CHANNELED							
		WENDTE	50	1	3	0.28	5	
		HURLEY	30	1	3	0.43	3	
9	WENDTE SILTY CLAY, PONDED							
		WENDTE	100	3	3	0.28	5	HY-4
10	LOHMILLER SILTY CLAY							
		LOHMILLER	100	1	3	0.37	5	
10A	LOHMILLER SILTY CLAY							
		LOHMILLER	100	1	3	0.37	5	
11	LOHMILLER-HAVERSON COMPLEX							
		LOHMILLER	50	1	3	0.37	5	
		HAVERSON	30	1	3	0.28	5	
12	NIMBRO-MUNJOR LOAMS							
		NIMBRO	50	3	3	0.28	5	
		MUNJOR	30	1	3	0.24	5	
13	HOVEN SILT LOAM							
		HOVEN	100	1	3	0.28	3	HY-3
15	KOLLS CLAY							
		KOLLS	100	1	3	0.37	5	HY-4
16	GLENBURG-BANKARD COMPLEX							
		GLENBERG	50	1	3	0.20	5	
		BANKARD	30	1	3	0.10	5	
17	CRAFT VERY FINE SANDY LOAM							
		CRAFT	100	1	3	0.20	5	
18	LOHMILLER SOILS, FLOODED							
		LOHMILLER	100	1	3	0.39	5	
22A	CANNING LOAM							
		CANNING	100	3	3	0.28	4	
22B	CANNING LOAM							
		CANNING	100	3	3	0.28	4	
22C	CANNING LOAM							
		CANNING	100	3	2	0.28	4	
23A	CANNING-KIRLEY COMPLEX							
		CANNING	50	3	3	0.28	4	
		KIRLEY	30	3	3	0.32	5	
23B	KIRLEY-CANNING COMPLEX							
		KIRLEY	50	3	3	0.32	5	
		CANNING	30	3	3	0.20	4	
25B	MOSHER LOAM							
		MOSHER	100	1	3	0.37	3	
26A	KIRLEY-OTTUMWA COMPLEX							
		KIRLEY	50	3	3	0.32	5	1/
		OTTUMWA	30	1	3	0.37	5	
26B	KIRLEY-OTTUMWA COMPLEX							
		KIRLEY	50	3	3	0.32	5	1/
		OTTUMWA	30	1	3	0.37	5	

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HAAKON CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL K	LV T	HYDRIC SOILS
26C	KIRLEY-OTTUMWA COMPLEX							
		KIRLEY	50	3	3	0.32	5	1/
		OTTUMWA	30	1	3	0.37	5	
30B	KIRLEY-PIERRE COMPLEX							
		KIRLEY	50	3	3	0.32	5	
		PIERRE	30	1	3	0.37	4	
30D	KIRLEY-NIHILL COMPLEX							
		KIRLEY	50	3	2	0.32	5	
		NIHILL	30	3	2	0.20	4	
31A	KIRLEY CLAY LOAM							
		KIRLEY	100	3	3	0.32	5	
31B	KIRLEY CLAY LOAM							
		KIRLEY	100	3	3	0.32	5	
31C	KIRLEY CLAY LOAM							
		KIRLEY	100	3	3	0.32	5	
32B	KIRLEY-EMIGRANT COMPLEX							
		KIRLEY	50	3	3	0.32	5	
		EMIGRANT	30	3	3	0.32	4	
32C	KIRLEY-EMIGRANT COMPLEX							
		KIRLEY	50	3	3	0.32	5	
		EMIGRANT	30	3	2	0.28	4	
33	ONITA SILTY CLAY LOAM							
		ONITA	100	3	3	0.28	5	
34B	KIRLEY-ARVADA COMPLEX							
		KIRLEY	50	3	3	0.32	5	
		ARVADA	30	1	3	0.37	3	
35A	KIRLEY-ARVADA-NIHILL COMPLEX							
		KIRLEY	40	3	3	0.28	5	
		ARVADA	30	1	3	0.32	3	
		NIHILL	20	3	3	0.20	4	
37A	KIRLEY-MOSHER COMPLEX							
		KIRLEY	50	3	3	0.32	5	
		MOSHER	30	1	3	0.37	3	
37B	KIRLEY-MOSHER COMPLEX							
		KIRLEY	50	3	3	0.28	5	
		MOSHER	30	1	3	0.37	3	
38B	KIRLEY-PIERRE COMPLEX							
		KIRLEY	50	3	3	0.28	5	
		PIERRE	30	1	3	0.37	4	
38C	KIRLEY-PIERRE COMPLEX							
		KIRLEY	50	3	3	0.32	5	
		PIERRE	30	1	2	0.37	4	
42F	SAMSIL-NIHILL COMPLEX							
		SAMSIL	50	1	1	0.37	2	
		NIHILL	30	3	2	0.20	4	
43E	LAKOMA-NIHILL COMPLEX							
		LAKOMA	50	1	2	0.37	4	
		NIHILL	30	3	2	0.20	4	
44E	SCHAMBER GRAVELLY LOAM							
		SCHAMBER	100	1	2	0.17	2	
45E	NIHILL-MURDO COMPLEX							
		NIHILL	50	3	1	0.20	4	
		MURDO	30	1	1	0.24	2	
46D	NIHILL-ARVADA COMPLEX							
		NIHILL	50	3	2	0.20	4	
		ARVADA	30	1	2	0.32	3	
47C	CANNING-CUSHMAN COMPLEX							
		CANNING	50	3	2	0.20	4	
		CUSHMAN	30	3	2	0.32	4	
51	ARVADA LOAM							
		ARVADA	100	1	3	0.32	3	
52	ARVADA-SLICKSPOTS COMPLEX							
		ARVADA	50	1	3	0.32	3	
		SLICKSPOTS	30	ER	ER			
53B	OPAL-HURLEY COMPLEX							
		OPAL	50	1	3	0.37	4	1/
		HURLEY	30	1	2	0.43	3	
53D	PIERRE-HURLEY COMPLEX							
		PIERRE	50	1	2	0.37	4	
		HURLEY	30	1	3	0.43	3	
54	HURLEY SILT LOAM							
		HURLEY	100	1	3	0.43	3	
55	HISLE SILT LOAM							
		HISLE	100	1	3	0.32	3	

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56	CAPA SILT LOAM							
		CAPA	100	1	3	0.32	3	
60E	PIERRE-SAMSIL CLAYS							
		PIERRE	30	1	1	0.37	4	
		SAMSIL	50	1	1	0.37	2	
61F	SAMSIL-ROCK OUTCROP COMPLEX							
		SAMSIL	50	1	1	0.37	2	
		ROCK OUTCR	30	ER	ER			
62F	SAMSIL CLAY							
		SAMSIL	100	1	1	0.37	2	
65F	MIDWAY SILTY CLAY LOAM							
		MIDWAY	100	1	1	0.37	2	
66D	CUSHMAN-SHINGLE COMPLEX							
		CUSHMAN	50	3	2	0.32	4	
		SHINGLE	30	1	2	0.32	2	
66E	SHINGLE-RAZOR COMPLEX							
		SHINGLE	50	1	1	0.32	2	
		RAZOR	30	1	1	0.37	4	
66F	SHINGLE SILTY CLAY LOAM							
		SHINGLE	100	1	1	0.32	2	
67F	OKATON-LAKOMA SILTY CLAYS							
		OKATON	50	1	1	0.37	2	
		LAKOMA	30	1	1	0.37	4	
68F	OKATON-ROCK OUTCROP COMPLEX							
		OKATON	50	1	1	0.37	2	
		ROCK OUTCR	30	ER	ER	-	-	
70B	LAKOMA SILTY CLAY							
		LAKOMA	100	1	3	0.37	4	
70C	LAKOMA SILTY CLAY							
		LAKOMA	100	1	2	0.37	4	
71D	LAKOMA SILTY CLAY							
		LAKOMA	100	1	2	0.37	4	
72B	LAKOMA-OTTUMWA SILTY CLAY							
		LAKOMA	50	1	3	0.37	4	
		OTTUMWA	30	1	3	0.37	5	
73B	OPAL-PROMISE CLAYS							
		OPAL	50	1	3	0.37	4	1/
		PROMISE	30	1	3	0.37	5	
73C	OPAL-PROMISE CLAYS							
		OPAL	50	1	2	0.37	4	
		PROMISE	30	1	2	0.37	5	
74C	PIERRE CLAY							
		PIERRE	100	1	2	0.37	4	
75D	RAZOR-HISLE COMPLEX							
		RAZOR	50	1	2	0.37	4	
		HISLE	30	1	2	0.43	3	
76D	PIERRE CLAY							
		PIERRE	100	1	1	0.37	4	
77D	RAZOR-MIDWAY SILTY CLAY LOAMS							
		RAZOR	50	1	2	0.37	4	
		MIDWAY	30	1	1	0.37	2	
78B	OPAL CLAY							
		OPAL	100	1	3	0.37	4	
78C	OPAL CLAY							
		OPAL	100	1	2	0.37	4	
80A	PROMISE CLAY							
		PROMISE	100	1	3	0.37	5	1/
80B	PROMISE CLAY							
		PROMISE	100	1	3	0.37	5	1/
80C	PROMISE CLAY							
		PROMISE	100	1	2	0.37	5	
81A	PROMISE-CAPA COMPLEX							
		PROMISE	50	1	3	0.37	5	1/
		CAPA	30	1	3	0.43	3	
81B	PROMISE-CAPA COMPLEX							
		PROMISE	50	1	3	0.37	5	1/
		CAPA	30	1	3	0.43	3	

SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 055
HAAKON CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL LV K	SOIL LV T	HYDRIC SOILS
84	SAVO-DAWES COMPLEX							
		SAVO	50	3	3	0.32	5	
		DAWES	30	3	3	0.37	4	
86A	SAVO SILTY CLAY LOAM							
		SAVO	100	3	3	0.32	5	
86B	SAVO SILTY CLAY LOAM							
		SAVO	100	3	3	0.32	5	
86C	SAVO SILTY CLAY LOAM							
		SAVO	100	3	3	0.32	5	
87	SWANBOY-SLICKSPOTS COMPLEX							
		SWANBOY	50	1	3	0.37	5	
		SLICKSPOTS	30	ER	ER			
89C	OTTUMWA-RAZOR-SAVO SILTY CLAY LOAMS							
		OTTUMWA	40	3	2	0.37	5	
		RAZOR	30	1	2	0.37	4	
		SAVO	20	3	3	0.32	5	
91A	REE LOAM							
		REE	100	3	3	0.28	5	
91B	REE LOAM							
		REE	100	3	3	0.28	5	
95B	REE-CANNING LOAMS							
		REE	50	3	3	0.28	5	
		CANNING	30	3	3	0.28	4	
95C	REE-CANNING LOAMS							
		REE	50	3	3	0.28	5	
		CANNING	30	3	2	0.28	4	
95D	REE-CANNING LOAMS							
		REE	50	3	2	0.28	5	
		CANNING	30	3	2	0.28	4	
96D	REE-NIHILL COMPLEX							
		REE	50	3	2	0.28	5	
		NIHILL	30	1	2	0.20	4	
97B	REE-KIRLEY COMPLEX							
		REE	50	3	3	0.28	5	
		KIRLEY	30	3	3	0.32	5	
98D	WESTOVER-NIHILL COMPLEX							
		WESTOVER	50	3	2	0.32	4	
		NIHILL	30	3	2	0.20	4	
99B	WESTOVER LIKE-REE COMPLEX							
		WESTOVER	50	3	3	0.32	4	
		REE	30	3	3	0.28	5	
99D	WESTOVER-REE COMPLEX							
		WESTOVER	50	3	2	0.32	4	
		REE	30	3	2	0.28	5	
101	LOHMILLER-ARVADA COMPLEX							
		LOHMILLER	50	1	3	0.37	5	
		ARVADA	30	1	3	0.32	3	
110	LOHMILLER-HAVERSON COMPLEX							
		LOHMILLER	50	1	3	0.37	5	
		HAVERSON	30	1	3	0.28	5	
112	NIMBRO SILTY CLAY LOAM							
		NIMBRO	100	3	3	0.28	5	
114A	EGAS-SLICKSPOTS COMPLEX							
		EGAS	50	1	3	0.37	5	
		SLICKSPOTS	30	ER	ER	-	-	
116	WENDTE CLAY							
		WENDTE	100	1	3	0.28	5	
132B	KIRLEY-LAKOMA COMPLEX							
		KIRLEY	50	3	3	0.32	5	
		LAKOMA	30	1	3	0.37	4	
133	WORTMAN-WANBLEE SILT LOAMS							
		WORTMAN	50	1	3	0.37	3	
		WANBLEE	30	1	3	0.32	3	
134B	RAZOR CLAY LOAM							
		RAZOR	100	1	3	0.37	4	
134C	RAZOR CLAY LOAM							
		RAZOR	100	1	2	0.37	4	
134D	RAZOR-NIHILL COMPLEX							
		RAZOR	50	1	2	0.37	4	
		NIHILL	30	3	2	0.20	4	
136	GRAVEL PITS							
		GRAVEL PIT	100	ER	ER			

SOIL MAP UNITS AND COMPONENT HIGHLY ERODIBLE LAND CLASS
FOR SOIL SURVEY AREA 055
HAAKON CO.

MAP SYMBOL	SOIL MAP UNIT NAME		%	HEL CLASS WIND	HEL CLASS WATER	SOIL K	LV T	HYDRIC SOILS
137	BLACKPIPE-WORTMAN COMPLEX							
		BLACKPIPE	50	3	3	0.32	5	
		WORTMAN	30	1	3	0.37	3	
138A	BLACKPIPE SILTY CLAY LOAM							
		BLACKPIPE	100	3	3	0.32	4	
138B	BLACKPIPE SILTY CLAY LOAM							
		BLACKPIPE	100	3	3	0.32	4	
142F	SCHAMBER-SAMSIL COMPLEX							
		SCHAMBER	50	1	1	0.17	2	
		SAMSIL	30	1	1	0.37	2	
143A	RAZOR VARIANT CLAY LOAM							
		RAZOR VARI	100	1	3	0.37	5	
143B	MANZANOLA-RAZOR COMPLEX							
		MANZANOLA	50	1	3	0.32	5	
		RAZOR	30	1	3	0.37	4	
143D	MANZANOLA-RAZOR COMPLEX							
		MANZANOLA	50	1	2	0.32	5	
		RAZOR	30	1	2	0.37	4	
144A	WORTMAN LOAM							
		WORTMAN	100	1	3	0.37	3	
145B	MURDO-NIHILL COMPLEX							
		MURDO	50	1	2	0.28	2	
		NIHILL	30	3	3	0.20	4	
167	PITS, GRAVEL							
		PITS, GRAV	100	ER	ER	-	-	
174D	RAZOR-OTTUMWA SILTY CLAYS							
		RAZOR	50	1	2	0.37	4	
		OTTUMWA	30	1	2	0.37	5	
180A	OTTUMWA SILTY CLAY							
		OTTUMWA	100	1	3	0.37	5	1/
180B	OTTUMWA SILTY CLAY							
		OTTUMWA	100	1	3	0.37	5	
181A	OTTUMWA-CAPA COMPLEX							
		OTTUMWA	50	1	3	0.37	5	
		CAPA	30	1	3	0.43	3	
186A	KYLE CLAY							
		KYLE	100	1	3	0.37	5	
186B	KYLE CLAY							
		KYLE	100	1	3	0.37	5	
186C	KYLE CLAY							
		KYLE	100	1	2	0.37	5	
187	BULLCREEK CLAY							
		BULLCREEK	100	1	3	0.37	5	
194C	OTTUMWA-RAZOR COMPLEX							
		OTTUMWA	50	1	3	0.37	5	
		RAZOR	30	1	2	0.37	4	
210B	HELDT-OTTUMWA COMPLEX							
		HELDT	50	1	3	0.37	5	
		OTTUMWA	30	1	3	0.37	5	
294C	CUSHMAN-SAVO-SHINGLE COMPLEX							
		CUSHMAN	40	3	2	0.32	4	
		SAVO	30	3	3	0.32	5	
		SHINGLE	20	1	2	0.32	2	

Footnotes:

R = 60, 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 OR KOLLS SOILS

HAAKON COUNTY, SOUTH DAKOTA

MUSYM	MAP_UNIT_NAME	COMPNAME	I
Ab	ALBATON SILTY CLAY, DEPRESSIONAL	ALBATON	86
Ar	ARVADA SILT LOAM	ARVADA	48
As	ARVADA-SLICKSPOTS COMPLEX	ARVADA	48
As	ARVADA-SLICKSPOTS COMPLEX	SLICKSPOTS, DRY	86
Bc	BANKARD LOAMY SAND, HUMMOCKY	BANKARD	134
Bd	BANKARD VERY FINE SANDY LOAM	BANKARD	86
BkA	BLACKPIPE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	BLACKPIPE	38
BkB	BLACKPIPE SILTY CLAY LOAM, 2 TO 6 PERCENT SLOPES	BLACKPIPE	38
Bo	BLACKPIPE-WORTMAN COMPLEX	BLACKPIPE	38
Bo	BLACKPIPE-WORTMAN COMPLEX	WORTMAN	56
Bu	BULLCREEK CLAY, 0 TO 6 PERCENT SLOPES	BULLCREEK	86
Bx	BULLCREEK-SLICKSPOTS COMPLEX	BULLCREEK	86
Bx	BULLCREEK-SLICKSPOTS COMPLEX	SLICKSPOTS, DRY	86
Ca	CANNING LOAM	CANNING	48
CbA	CAPA SILT LOAM, 0 TO 6 PERCENT SLOPES	CAPA	48
Cc	CAPA-SLICKSPOTS COMPLEX	CAPA	48
Cc	CAPA-SLICKSPOTS COMPLEX	SLICKSPOTS, DRY	86
Ct	CAPA-WENDTE, CHANNELED, COMPLEX	CAPA	48
Ct	CAPA-WENDTE, CHANNELED, COMPLEX	WENDTE	86
Cv	CRAFT VERY FINE SANDY LOAM	CRAFT	86
Eg	EGAS SILTY CLAY LOAM	EGAS	86
Ha	HAVERSON SILT LOAM	HAVERSON	86
Hb	HAVERSON SILT LOAM, CHANNELED	HAVERSON	86
Hc	HAVERSON-CRAFT COMPLEX	HAVERSON	86
Hc	HAVERSON-CRAFT COMPLEX	CRAFT	86
Ho	HILMOE SILTY CLAY	HILMOE	86
HpB	HISLE SILT LOAM, 0 TO 6 PERCENT SLOPES	HISLE	48
Hv	HOVEN SILT LOAM	HOVEN	48
KeA	KIRLEY CLAY LOAM, 0 TO 2 PERCENT SLOPES	KIRLEY	48
KeB	KIRLEY CLAY LOAM, 2 TO 6 PERCENT SLOPES	KIRLEY	48
KeD	KIRLEY CLAY LOAM, 6 TO 15 PERCENT SLOPES	KIRLEY	48
KfB	KIRLEY-CANNING COMPLEX, 2 TO 6 PERCENT SLOPES	KIRLEY	48
KfB	KIRLEY-CANNING COMPLEX, 2 TO 6 PERCENT SLOPES	CANNING	48
KhA	KIRLEY-MOSHER COMPLEX, 0 TO 2 PERCENT SLOPES	KIRLEY	48
KhA	KIRLEY-MOSHER COMPLEX, 0 TO 2 PERCENT SLOPES	MOSHER	48
KhB	KIRLEY-MOSHER COMPLEX, 2 TO 6 PERCENT SLOPES	KIRLEY	48
KhB	KIRLEY-MOSHER COMPLEX, 2 TO 6 PERCENT SLOPES	MOSHER	48
KmA	KIRLEY-OTTUMWA COMPLEX, 0 TO 2 PERCENT SLOPES	KIRLEY	48
KmA	KIRLEY-OTTUMWA COMPLEX, 0 TO 2 PERCENT SLOPES	OTTUMWA	86
KmB	KIRLEY-OTTUMWA COMPLEX, 2 TO 6 PERCENT SLOPES	KIRLEY	48
KmB	KIRLEY-OTTUMWA COMPLEX, 2 TO 6 PERCENT SLOPES	OTTUMWA	86
KmC	KIRLEY-OTTUMWA COMPLEX, 6 TO 9 PERCENT SLOPES	KIRLEY	48
KmC	KIRLEY-OTTUMWA COMPLEX, 6 TO 9 PERCENT SLOPES	OTTUMWA	86
KnD	KIRLEY-VIVIAN COMPLEX, 6 TO 15 PERCENT SLOPES	KIRLEY	48
KnD	KIRLEY-VIVIAN COMPLEX, 6 TO 15 PERCENT SLOPES	VIVIAN	86
Ko	KOLLS CLAY	KOLLS	86
KyA	KYLE CLAY, 0 TO 3 PERCENT SLOPES	KYLE	86
KyB	KYLE CLAY, 3 TO 6 PERCENT SLOPES	KYLE	86
LaB	LAKOMA SILTY CLAY, 3 TO 6 PERCENT SLOPES	LAKOMA	86
LaC	LAKOMA SILTY CLAY, 6 TO 9 PERCENT SLOPES	LAKOMA	86
LaD	LAKOMA SILTY CLAY, 6 TO 15 PERCENT SLOPES	LAKOMA	86
LbE	LAKOMA-VIVIAN COMPLEX, 9 TO 25 PERCENT SLOPES	LAKOMA	86
LbE	LAKOMA-VIVIAN COMPLEX, 9 TO 25 PERCENT SLOPES	VIVIAN	86
Lo	LOHMILLER SILTY CLAY	LOHMILLER	86
Lp	LOHMILLER SILTY CLAY, CHANNELED	LOHMILLER	86
Lv	LOHMILLER-ARVADA COMPLEX	LOHMILLER	86

MUSYM	MAP_UNIT_NAME	COMPNAME	I
Lv	LOHMILLER-ARVADA COMPLEX	ARVADA	48
MaE	MIDWAY SILTY CLAY LOAM, 15 TO 40 PERCENT SLOPES	MIDWAY	86
Mo	MOSHER SILT LOAM	MOSHER	48
Nb	NIMBRO SILTY CLAY LOAM	NIMBRO	86
Nc	NIMBRO SILTY CLAY LOAM, CHANNELED	NIMBRO	86
NuA	NUNN LOAM, 0 TO 2 PERCENT SLOPES	NUNN	48
NuB	NUNN LOAM, 2 TO 6 PERCENT SLOPES	NUNN	48
NuC	NUNN LOAM, 6 TO 9 PERCENT SLOPES	NUNN	48
NxD	NUNN-NIHILL COMPLEX, 6 TO 15 PERCENT SLOPES	NUNN	48
NxD	NUNN-NIHILL COMPLEX, 6 TO 15 PERCENT SLOPES	NIHILL	48
ObE	OKATON-LAKOMA SILTY CLAYS, 15 TO 40 PERCENT SLOPES	OKATON	86
ObE	OKATON-LAKOMA SILTY CLAYS, 15 TO 40 PERCENT SLOPES	LAKOMA	86
Oc	ONITA SILT LOAM	ONITA	48
OdB	OPAL CLAY, 3 TO 6 PERCENT SLOPES	OPAL	86
OdC	OPAL CLAY, 6 TO 9 PERCENT SLOPES	OPAL	86
OdD	OPAL CLAY, 6 TO 15 PERCENT SLOPES	OPAL	86
OeB	OPAL-PROMISE CLAYS, 3 TO 6 PERCENT SLOPES	OPAL	86
OeB	OPAL-PROMISE CLAYS, 3 TO 6 PERCENT SLOPES	PROMISE	86
OeC	OPAL-PROMISE CLAYS, 6 TO 9 PERCENT SLOPES	OPAL	86
OeC	OPAL-PROMISE CLAYS, 6 TO 9 PERCENT SLOPES	PROMISE	86
Of	ORTHENTS, CLAYEY	ORTHENTS, CLAYEY	86
Og	ORTHENTS, GRAVELLY	ORTHENTS, GRAVELLY	56
OtA	OTTUMWA SILTY CLAY, 0 TO 3 PERCENT SLOPES	OTTUMWA	86
OtB	OTTUMWA SILTY CLAY, 3 TO 6 PERCENT SLOPES	OTTUMWA	86
OvA	OTTUMWA-CAPA COMPLEX, 0 TO 3 PERCENT SLOPES	OTTUMWA	86
OvA	OTTUMWA-CAPA COMPLEX, 0 TO 3 PERCENT SLOPES	CAPA	48
OwB	OTTUMWA-LAKOMA SILTY CLAYS, 3 TO 6 PERCENT SLOPES	OTTUMWA	86
OwB	OTTUMWA-LAKOMA SILTY CLAYS, 3 TO 6 PERCENT SLOPES	LAKOMA	86
OwC	OTTUMWA-LAKOMA SILTY CLAYS, 6 TO 9 PERCENT SLOPES	OTTUMWA	86
OwC	OTTUMWA-LAKOMA SILTY CLAYS, 6 TO 9 PERCENT SLOPES	LAKOMA	86
OxC	OTTUMWA-RAZOR SILTY CLAYS, 6 TO 9 PERCENT SLOPES	OTTUMWA	86
OxC	OTTUMWA-RAZOR SILTY CLAYS, 6 TO 9 PERCENT SLOPES	RAZOR	86
OyC	OTTUMWA-RAZOR-SAVO COMPLEX, 6 TO 15 PERCENT SLOPES	OTTUMWA	86
OyC	OTTUMWA-RAZOR-SAVO COMPLEX, 6 TO 15 PERCENT SLOPES	RAZOR	86
OyC	OTTUMWA-RAZOR-SAVO COMPLEX, 6 TO 15 PERCENT SLOPES	SAVO	48
PeC	PIERRE CLAY, 6 TO 9 PERCENT SLOPES	PIERRE	86
PeD	PIERRE CLAY, 6 TO 15 PERCENT SLOPES	PIERRE	86
PkE	PIERRE-SAMSIL CLAYS, 15 TO 25 PERCENT SLOPES	PIERRE	86
PkE	PIERRE-SAMSIL CLAYS, 15 TO 25 PERCENT SLOPES	SAMSIL	86
PrA	PROMISE CLAY, 0 TO 3 PERCENT SLOPES	PROMISE	86
PrB	PROMISE CLAY, 3 TO 6 PERCENT SLOPES	PROMISE	86
RaB	RAZOR SILTY CLAY, 2 TO 6 PERCENT SLOPES	RAZOR	86
RaC	RAZOR SILTY CLAY, 6 TO 9 PERCENT SLOPES	RAZOR	86
RbD	RAZOR-MIDWAY COMPLEX, 6 TO 15 PERCENT SLOPES	RAZOR	86
RbD	RAZOR-MIDWAY COMPLEX, 6 TO 15 PERCENT SLOPES	MIDWAY	86
RdD	RAZOR-SHINGLE COMPLEX, 6 TO 15 PERCENT SLOPES	RAZOR	86
RdD	RAZOR-SHINGLE COMPLEX, 6 TO 15 PERCENT SLOPES	SHINGLE	86
ReA	REE LOAM, 0 TO 2 PERCENT SLOPES	REE	48
ReB	REE LOAM, 2 TO 6 PERCENT SLOPES	REE	48
RfB	REE-CANNING LOAMS, 2 TO 6 PERCENT SLOPES	REE	48
RfB	REE-CANNING LOAMS, 2 TO 6 PERCENT SLOPES	CANNING	48
RfC	REE-CANNING LOAMS, 6 TO 9 PERCENT SLOPES	REE	48
RfC	REE-CANNING LOAMS, 6 TO 9 PERCENT SLOPES	CANNING	48
Rh	REE-HOVEN COMPLEX	REE	48
Rh	REE-HOVEN COMPLEX	HOVEN	48
RkD	REE-VIVIAN COMPLEX, 6 TO 15 PERCENT SLOPES	REE	48

MUSYM	MAP_UNIT_NAME	COMPNAME	I
RkD	REE-VIVIAN COMPLEX, 6 TO 15 PERCENT SLOPES	VIVIAN	86
Rv	RIVERWASH	RIVERWASH	310
SbF	SAMSIL CLAY, 25 TO 60 PERCENT SLOPES	SAMSIL	86
ScF	SAMSIL-NIHILL COMPLEX, 6 TO 40 PERCENT SLOPES	SAMSIL	86
ScF	SAMSIL-NIHILL COMPLEX, 6 TO 40 PERCENT SLOPES	NIHILL	48
SdF	SAMSIL-ROCK OUTCROP COMPLEX, 15 TO 60 PERCENT SLOPES	SAMSIL	86
SdF	SAMSIL-ROCK OUTCROP COMPLEX, 15 TO 60 PERCENT SLOPES	ROCK OUTCROP, SOFT	86
SoE	SANSARC-OPAL CLAYS, 9 TO 40 PERCENT SLOPES	SANSARC	86
SoE	SANSARC-OPAL CLAYS, 9 TO 40 PERCENT SLOPES	OPAL	86
SrA	SAVO SILT LOAM, 0 TO 2 PERCENT SLOPES	SAVO	48
SrB	SAVO SILT LOAM, 2 TO 6 PERCENT SLOPES	SAVO	48
SrC	SAVO SILT LOAM, 6 TO 9 PERCENT SLOPES	SAVO	48
StF	SCHAMBER-SAMSIL COMPLEX, 6 TO 60 PERCENT SLOPES	SCHAMBER	48
StF	SCHAMBER-SAMSIL COMPLEX, 6 TO 60 PERCENT SLOPES	SAMSIL	86
SuE	SHINGLE SILTY CLAY LOAM, 15 TO 40 PERCENT SLOPES	SHINGLE	86
SwE	SHINGLE-RAZOR COMPLEX, 15 TO 25 PERCENT SLOPES	SHINGLE	86
SwE	SHINGLE-RAZOR COMPLEX, 15 TO 25 PERCENT SLOPES	RAZOR	86
Wc	WENDTE SILTY CLAY	WENDTE	86
Wd	WENDTE-HERDCAMP SILTY CLAYS, CHANNELED	WENDTE	86
Wd	WENDTE-HERDCAMP SILTY CLAYS, CHANNELED	HERDCAMP	86
WsE	WENDTE, CHANNELED-SANSARC COMPLEX, 0 TO 60 PERCENT SLOPES	WENDTE	86
WsE	WENDTE, CHANNELED-SANSARC COMPLEX, 0 TO 60 PERCENT SLOPES	SANSARC	86
Ww	WORTMAN-WANBLEE SILT LOAMS, 0 TO 2 PERCENT SLOPES	WORTMAN	56
Ww	WORTMAN-WANBLEE SILT LOAMS, 0 TO 2 PERCENT SLOPES	WANBLEE	48
w	WATER	WATER (LESS THAN 40 ACRES)	