

HIGHLY ERODIBLE LAND REPORT
JANUARY, 1990

Survey Area- FREDERICK COUNTY, VIRGINIA

Map Symbol	Mapunit Name	Seq. Num.	Component Name	Cap. Subcl.	Prime Farm	HEL Soil	K Fact.	T Fact.
1B	BERKS CHANNERY SILT LOAM, 2 TO 7 PERCENT SLOPES	1	BERKS	2E	0	NHEL	.17	3
1C	BERKS CHANNERY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	BERKS	3E	0	HEL	.17	3
2	BIRDSBORO LOAM	1	BIRDSBORO	1	1	NHEL	.37	4
3B	BLAIRTON SILT LOAM, 2 TO 7 PERCENT SLOPES	1	BLAIRTON	3W	1	PHEL	.43	3
3C	BLAIRTON SILT LOAM, 7 TO 15 PERCENT SLOPES	1	BLAIRTON	4E	0	HEL	.43	3
4B	BUCHANAN VERY STONY SANDY LOAM, 2 TO 7 PERCENT SLOPES	1	BUCHANAN	6S	0	NHEL	.20	3
4C	BUCHANAN VERY STONY SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	BUCHANAN	6S	0	HEL	.20	3
5B	CARBO SILT LOAM, 2 TO 7 PERCENT SLOPES	1	CARBO	2E	1	PHEL	.37	2
5C	CARBO SILT LOAM, 7 TO 15 PERCENT SLOPES	1	CARBO	3E	0	HEL	.37	2
6C	CARBO-OAKLET SILT LOAMS, VERY ROCKY, 2 TO 15 PERCENT SLOPES	1	CARBO	3E	0	HEL	.37	2
7C	CARBO-OAKLET-ROCK OUTCROP COMPLEX, 2 TO 15 PERCENT SLOPES	1	CARBO	3E	0	HEL	.37	2
8B	CHILHOWIE SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES	1	CHILHOWIE	3E	0	PHEL	.37	2
8C	CHILHOWIE SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES	1	CHILHOWIE	4E	0	PHEL	.37	2
9B	CLEARBROOK CHANNERY SILT LOAM, 2 TO 7 PERCENT SLOPES	1	CLEARBROOK	4W	0	PHEL	.32	2
9C	CLEARBROOK CHANNERY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	CLEARBROOK	4W	0	HEL	.32	2
10	CRAIGSVILLE COBBLY SANDY LOAM	1	CRAIGSVILLE	3W	0	NHEL	.17	3
11C	DEKALB CHANNERY LOAM, 7 TO 15 PERCENT SLOPES	1	DEKALB	3E	0	HEL	.17	2
12E	DEKALB VERY STONY LOAM, 25 TO 65 PERCENT SLOPES	1	DEKALB	7S	0	HEL	.17	2
13B	FRANKSTOWN CHANNERY SILT LOAM, 2 TO 7 PERCENT SLOPES	1	FRANKSTOWN	2E	1	PHEL	.37	3
13C	FRANKSTOWN CHANNERY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	FRANKSTOWN	3E	0	HEL	.37	3
13D	FRANKSTOWN CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	1	FRANKSTOWN	4E	0	HEL	.37	3
13E	FRANKSTOWN CHANNERY SILT LOAM, 25 TO 35 PERCENT SLOPES	1	FRANKSTOWN	6E	0	HEL	.37	3
14B	FREDERICK-POPLIMENTO LOAMS, 2 TO 7 PERCENT SLOPES	1	FREDERICK	2E	1	PHEL	.32	4
14C	FREDERICK-POPLIMENTO LOAMS, 7 TO 15 PERCENT SLOPES	1	FREDERICK	3E	0	HEL	.32	4
14D	FREDERICK-POPLIMENTO LOAMS, 15 TO 25 PERCENT SLOPES	1	FREDERICK	4E	0	HEL	.32	4
15C	FREDERICK-POPLIMENTO VERY GRAVELLY LOAMS, 7 TO 15 PERCENT SLOPES	1	FREDERICK	4S	0	HEL	.28	4
15D	FREDERICK-POPLIMENTO VERY GRAVELLY LOAMS, 15 TO 25 PERCENT SLOPES	1	FREDERICK	6S	0	HEL	.28	4
15E	FREDERICK-POPLIMENTO VERY GRAVELLY LOAMS, 25 TO 60 PERCENT SLOPES	1	FREDERICK	7E	0	HEL	.28	4
16B	FREDERICK-POPLIMENTO LOAMS, VERY ROCKY, 2 TO 7 PERCENT SLOPES	1	FREDERICK	2E	0	PHEL	.28	4
16C	FREDERICK-POPLIMENTO LOAMS, VERY ROCKY, 7 TO 15 PERCENT SLOPES	1	FREDERICK	3E	0	HEL	.28	4
16D	FREDERICK-POPLIMENTO LOAMS, VERY ROCKY, 15 TO 25 PERCENT SLOPES	1	FREDERICK	4E	0	HEL	.28	4
17C	FREDERICK-POPLIMENTO-ROCK OUTCROP COMPLEX, 2 TO 15 PERCENT SLOPES	1	FREDERICK	3E	0	HEL	.28	4

HIGHLY ERODIBLE LAND REPORT
JANUARY, 1990

Survey Area- FREDERICK COUNTY, VIRGINIA

Map Symbol	Mapunit Name	Seq. Num.	Component Name	Cap. Subcl.	Prime Farm	HEL Soil	K Fact.	T Fact.
17E	FREDERICK-POPLIMENTO-ROCK OUTCROP COMPLEX, 15 TO 45 PERCENT SLOPES	1	FREDERICK	6E	0	HEL	.28	4
18B	GAINESBORO-LEHEW COMPLEX, 2 TO 7 PERCENT SLOPES	1	GAINESBORO	2E	0	PHEL	.28	3
18C	GAINESBORO-LEHEW COMPLEX, 7 TO 15 PERCENT SLOPES	1	GAINESBORO	3E	0	HEL	.28	3
18D	GAINESBORO-LEHEW COMPLEX, 15 TO 25 PERCENT SLOPES	1	GAINESBORO	4E	0	HEL	.28	3
18E	GAINESBORO-LEHEW COMPLEX, 25 TO 65 PERCENT SLOPES	1	GAINESBORO	7E	0	HEL	.28	3
19C	GILPIN CHANNERY LOAM, 7 TO 15 PERCENT SLOPES	1	GILPIN	3E	0	HEL	.24	3
20B	GUERNSEY SILT LOAM, 2 TO 7 PERCENT SLOPES	1	GUERNSEY	2E	1	PHEL	.43	3
20C	GUERNSEY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	GUERNSEY	3E	0	HEL	.43	3
21C	HAYTER COBBLY LOAM, 7 TO 15 PERCENT SLOPES	1	HAYTER	3E	0	HEL	.20	4
21D	HAYTER COBBLY LOAM, 15 TO 25 PERCENT SLOPES	1	HAYTER	4E	0	HEL	.20	4
22C	HAYTER VERY COBBLY LOAM, 7 TO 15 PERCENT SLOPES	1	HAYTER	4S	0	PHEL	.15	4
22D	HAYTER VERY COBBLY LOAM, 15 TO 25 PERCENT SLOPES	1	HAYTER	6S	0	HEL	.15	4
22E	HAYTER VERY COBBLY LOAM, 25 TO 40 PERCENT SLOPES	1	HAYTER	7E	0	HEL	.15	4
23C	HAZLETON VERY STONY SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	HAZLETON	6S	0	HEL	.15	3
23D	HAZLETON VERY STONY SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	HAZLETON	6S	0	HEL	.15	3
23E	HAZLETON VERY STONY SANDY LOAM, 25 TO 65 PERCENT SLOPES	1	HAZLETON	7S	0	HEL	.15	3
24E	HAZLETON EXTREMELY STONY SANDY LOAM, 25 TO 65 PERCENT SLOPES	1	HAZLETON	7S	0	HEL	.15	3
25C	LAIDIG VERY STONY FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	LAIDIG	6S	0	HEL	.28	4
25D	LAIDIG VERY STONY FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	LAIDIG	6S	0	HEL	.28	4
25E	LAIDIG VERY STONY FINE SANDY LOAM, 25 TO 65 PERCENT SLOPES	1	LAIDIG	7S	0	HEL	.28	4
26C	LEHEW CHANNERY FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	LEHEW	3E	0	HEL	.17	3
26D	LEHEW CHANNERY FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	LEHEW	4E	0	HEL	.17	3
26E	LEHEW CHANNERY FINE SANDY LOAM, 25 TO 45 PERCENT SLOPES	1	LEHEW	7E	0	HEL	.17	3
27	LIBRARY SILT LOAM, 2 TO 7 PERCENT SLOPES	1	LIBRARY	3W	2	PHEL	.37	3
28	LOBDELL SILT LOAM	1	LOBDELL	2W	1	NHEL	.37	5
29	MASSANETTA LOAM	1	MASSANETTA	2W	1	NHEL	.37	5
30B	MONONGAHELA GRAVELLY LOAM, 2 TO 7 PERCENT SLOPES	1	MONONGAHELA	2E	0	PHEL	.37	3
31B	NICHOLSON SILT LOAM, 2 TO 7 PERCENT SLOPES	1	NICHOLSON	2E	0	PHEL	.43	3
32B	OAKLET SILT LOAM, 2 TO 7 PERCENT SLOPES	1	OAKLET	2E	1	PHEL	.37	4
32C	OAKLET SILT LOAM, 7 TO 15 PERCENT SLOPES	1	OAKLET	3E	0	HEL	.37	4
33C	OPEQUON-CHILHOWIE SILTY CLAYS, VERY ROCKY, 3 TO 15 PERCENT SLOPES	1	OPEQUON	4E	0	HEL	.32	1
33E	OPEQUON-CHILHOWIE SILTY CLAYS, VERY ROCKY, 15 TO 45 PERCENT SLOPES	1	OPEQUON	7E	0	HEL	.32	1
34	PAGEBROOK SILT LOAM	1	PAGEBROOK	3S	0	NHEL	.37	3
35	PAGEBROOK SILTY CLAY LOAM	1	PAGEBROOK	3S	0	NHEL	.37	3
37D	SCHAFFENAKER VERY STONY LOAMY SAND, 7 TO 25 PERCENT SLOPES	1	SCHAFFENAKER	7S	0	HEL	.17	3
37E	SCHAFFENAKER VERY STONY LOAMY SAND, 25 TO 65 PERCENT SLOPES	1	SCHAFFENAKER	7S	0	HEL	.17	3

HIGHLY ERODIBLE LAND REPORT
JANUARY, 1990

Survey Area- FREDERICK COUNTY, VIRGINIA

Map Symbol	Mapunit Name	Seq. Num.	Component Name	Cap. Subcl.	Prime Farm	HEL Soil	K Fact.	T Fact.
38B	SEQUOIA SILT LOAM, 2 TO 7 PERCENT SLOPES	1	SEQUOIA	3E	1	PHEL	.37	3
38C	SEQUOIA SILT LOAM, 7 TO 15 PERCENT SLOPES	1	SEQUOIA	4E	0	HEL	.37	3
38D	SEQUOIA SILT LOAM, 15 TO 25 PERCENT SLOPES	1	SEQUOIA	6E	0	HEL	.37	3
39B	SWIMLEY SILT LOAM, 2 TO 7 PERCENT SLOPES	1	SWIMLEY	2E	1	PHEL	.37	4
39C	SWIMLEY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	SWIMLEY	3E	0	HEL	.37	4
40B	TIMBERVILLE SILT LOAM, 2 TO 7 PERCENT SLOPES	1	TIMBERVILLE	2E	0	PHEL	.32	4
41B	WEIKERT-BERKS CHANNERY SILT LOAMS, 2 TO 7 PERCENT SLOPES	1	WEIKERT	3E	0	PHEL	.28	2
41C	WEIKERT-BERKS CHANNERY SILT LOAMS, 7 TO 15 PERCENT SLOPES	1	WEIKERT	4E	0	HEL	.28	2
41D	WEIKERT-BERKS CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	1	WEIKERT	6E	0	HEL	.28	2
41E	WEIKERT-BERKS CHANNERY SILT LOAMS, 25 TO 65 PERCENT SLOPES	1	WEIKERT	7E	0	HEL	.28	2
42C	WEIKERT-BERKS VERY STONY SILT LOAMS, 7 TO 15 PERCENT SLOPES	1	WEIKERT	6S	0	HEL	.20	2
42D	WEIKERT-BERKS VERY STONY SILT LOAMS, 15 TO 25 PERCENT SLOPES	1	WEIKERT	6S	0	HEL	.20	2
42E	WEIKERT-BERKS VERY STONY SILT LOAMS, 25 TO 65 PERCENT SLOPES	1	WEIKERT	7S	0	HEL	.20	2
43	WHEELING LOAM	1	WHEELING	1	1	NHEL	.37	4
44B	ZOAR SILT LOAM, 2 TO 7 PERCENT SLOPES	1	ZOAR	2E	0	PHEL	.43	3
44C	ZOAR SILT LOAM, 7 TO 15 PERCENT SLOPES	1	ZOAR	3E	0	HEL	.43	3

HEL Terms

NHEL – Not Highly Erodible Land

PHEL – Potentially Highly Erodible Land

HEL – Highly Erodible Land

Prime Farmland Codes

0 - Not prime farmland.

1 - All areas are prime farmland.

2 - Prime farmland if drained.

3 - Prime farmland if protected from flooding or not frequently flooded during the growing season.

4 - Prime farmland if irrigated.

5 - Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season.

6 - Prime farmland if irrigated and drained.

7 - Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season.

8 - Prime farmland if subsoiled, completely removed the root inhibiting soil layer.