

HIGHLY ERODIBLE LAND REPORT
JANUARY, 1990

Survey Area- BOTETOURT COUNTY, VIRGINIA

Map Symbol	Mapunit Name	Seq. Num.	Component Name	Cap. Subcl.	Prime Farm	HEL Soil	K Fact.	T Fact.
1	CHAGRIN LOAM, 0 TO 2 PERCENT SLOPES	1	CHAGRIN			NHEL	.32	5
2	LINDSIDE SILT LOAM, 0 TO 2 PERCENT SLOPES	1	LINDSIDE			NHEL	.37	4
3	NEWARK SILT LOAM, 0 TO 2 PERCENT SLOPES	1	NEWARK			NHEL	.43	5
4	MASSANETA SILT LOAM, 0 TO 3 PERCENT SLOPES	1	MASSANETA			NHEL	.37	5
5	POPE FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	1	POPE			NHEL	.28	5
6	PHILO LOAM, 0 TO 3 PERCENT SLOPES	1	PHILO			NHEL	.37	5
9	CRAIGSVILLE COBBLY LOAM, 0 TO 4 PERCENT SLOPES	1	CRAIGSVILLE			NHEL	.17	3
10B	SHOTTOWER LOAM, 2 TO 7 PERCENT SLOPES	1	SHOTTOWER			PHEL	.32	5
10C	SHOTTOWER LOAM, 7 TO 15 PERCENT SLOPES	1	SHOTTOWER			PHEL	.32	5
10D	SHOTTOWER LOAM, 15 TO 30 PERCENT SLOPES	1	SHOTTOWER			HEL	.32	5
11B	ALLEGHENY LOAM, 2 TO 7 PERCENT SLOPES	1	ALLEGHENY			PHEL	.32	4
11C	ALLEGHENY LOAM, 7 TO 15 PERCENT SLOPES	1	ALLEGHENY			HEL	.32	4
12B	COTACO LOAM, 2 TO 7 PERCENT SLOPES	1	COTACO			PHEL	.37	3
12C	COTACO LOAM, 7 TO 15 PERCENT SLOPES	1	COTACO			HEL	.37	3
13B	MONONGAHELA LOAM, 2 TO 7 PERCENT SLOPES	1	MONONGAHELA			PHEL	.43	3
13C	MONONGAHELA LOAM, 7 TO 15 PERCENT SLOPES	1	MONONGAHELA			HEL	.43	3
14A	TOMS SILT LOAM, 0 TO 4 PERCENT SLOPES	1	TOMS			NHEL	.43	3
15A	WHEELING LOAM, 0 TO 2 PERCENT SLOPES	1	WHEELING			NHEL	.37	4
15B	WHEELING LOAM, 2 TO 15 PERCENT SLOPES	1	WHEELING			PHEL	.37	4
16	Use 80							
17B	TYGART SILT LOAM, 2 TO 7 PERCENT SLOPES	1	TYGART			PHEL	.43	3
18B	ZOAR SILT LOAM, 2 TO 7 PERCENT SLOPES	1	ZOAR			PHEL	.43	3
19B	PURDY SILTY CLAY LOAM, 0 TO 4 PERCENT SLOPES	1	PURDY			PHEL	.43	3
21C	CARBO SITLY CLAY LOAM, 7 TO 15 PERCENT SLOPES, VERY ROCKY	1	CARBO			HEL	.37	2
21D	CARBO SITLY CLAY LOAM, 15 TO 30 PERCENT SLOPES, VERY ROCKY	1	CARBO			HEL	.37	2
22C	CARBO-OPEQUON-ROCK OUTCROP COMPLEX, 2 TO 15 PERCENT SLOPES	1	CARBO			PHEL	.37	2
22E	CARBO-OPEQUON-ROCK OUTCROP COMPLEX, 15 TO 45 PERCENT SLOPES	1	CARBO				.37	2
23F	ROCK OUTCROP-OPEQUON COMPLEX, 45 TO 100 PERCENT SLOPES					NHEL		
25	Use #33							
26B	GROSECLOSE SILT LOAM, 2 TO 7 PERCENT SLOPES	1	GROSECLOSE			PHEL	.43	4
26C	GROSECLOSE SILT LOAM, 7 TO 15 PERCENT SLOPES	1	GROSECLOSE			HEL	.43	4
26D	GROSECLOSE SILT LOAM, 15 TO 30 PERCENT SLOPES	1	GROSECLOSE			HEL	.43	4
26E	GROSECLOSE SILT LOAM, 30 TO 45 PERCENT SLOPES	1	GROSECLOSE			HEL	.43	4
27B	FREDRICK LOAM, 2 TO 7 PERCENT SLOPES	1	FREDRICK			PHEL	.32	4
27C	FREDRICK LOAM, 7 TO 15 PERCENT SLOPES	1	FREDRICK			HEL	.32	4
27D	FREDRICK LOAM, 15 TO 30 PERCENT SLOPES	1	FREDRICK			HEL	.32	4
28	Use # 31							
30	Use # 27							
31B	FREDRICK GRAVELLY LOAM, 2 TO 7 PERCENT SLOPES	1	FREDRICK			PHEL	.28	4
31C	FREDRICK GRAVELLY LOAM, 7 TO 15 PERCENT SLOPES	1	FREDRICK			PHEL	.28	4
31D	FREDRICK GRAVELLY LOAM, 15 TO 30 PERCENT SLOPES	1	FREDRICK			HEL	.28	4
31E	FREDRICK GRAVELLY LOAM, 30 TO 45 PERCENT SLOPES	1	FREDRICK			HEL	.28	4
32C	FREDRICK VERY GRAVELLY LOAM, 7 TO 15 PERCENT SLOPES	1	FREDRICK			PHEL	.28	4
32D	FREDRICK VERY GRAVELLY LOAM, 15 TO 30 PERCENT SLOPES	1	FREDRICK			HEL	.28	4
33C	FREDRICK LOAM, 7 TO 15 PERCENT SLOPES, ROCKY	1	FREDRICK			PHEL	.32	4
33D	FREDRICK LOAM, 15 TO 30 PERCENT SLOPES, ROCKY	1	FREDRICK			HEL	.32	4
34	PITS, QUARRIES					NHEL		
35	UDORTHENTS, BOULDERS							
38B	TIMBERVILLE SILT LOAM, 0 TO 7 PERCENT SLOPES	1	TIMBERVILLE			PHEL	.32	4
39	Use # 38							
40	Use # 54							
42C	CHISWELL-RAYNE COMPLEX, 7 TO 15 PERCENT SLOPES	1	CHISWELL			HEL	.37	2
42D	CHISWELL-RAYNE COMPLEX, 15 TO 30 PERCENT SLOPES	1	CHISWELL			HEL	.37	2
42E	CHISWELL-RAYNE COMPLEX, 30 TO 60 PERCENT SLOPES	1	CHISWELL			HEL	.37	2
43C	GROSECLOSE-LITZ COMPLEX, 7 TO 15 PERCENT SLOPES	1	GROSECLOSE			HEL	.43	4
43D	GROSECLOSE-LITZ COMPLEX, 15 TO 30 PERCENT SLOPES	1	GROSECLOSE			HEL	.43	4
43E	GROSECLOSE-LITZ COMPLEX, 30 TO 60	1	GROSECLOSE			HEL	.43	4

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45	PERCENT SLOPES							
47B	Use # 26 RUSHTOWN VERY CHANNERY SILT LOAM, 2 TO 7 PERCENT SLOPES	1	RUSHTOWN			PHEL	.17	3
47C	RUSHTOWN VERY CHANNERY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	RUSHTOWN			PHEL	.17	3
49B	ERNST SILT LOAM, 0 TO 7 PERCENT SLOPES	1	ERNST			PHEL	.43	3
49C	ERNST SILT LOAM, 7 TO 15 PERCENT SLOPES	1	ERNST			HEL	.43	3
50B	FLATSWOODS SILT LOAM, 2 TO 7 PERCENT SLOPES	1	FLATSWOODS			PHEL	.28	2
50C	FLATSWOODS SILT LOAM, 7 TO 15 PERCENT SLOPES	1	FLATSWOODS			HEL	.28	2
51C	BERKS-WEIKERT COMPLEX, 7 TO 15 PERCENT SLOPES	1	BERKS			PHEL	.17	3
51D	BERKS-WEIKERT COMPLEX, 15 TO 30 PERCENT SLOPES	1	BERKS			HEL	.17	3
51E	BERKS-WEIKERT COMPLEX, 30 TO 60 PERCENT SLOPES	1	BERKS			HEL	.17	3
51F	WEIKERT-ROCK OUTCROP COMPLEX, 45 TO 100 PERCENT SLOPES	1	WEIKERT			HEL	.20	2
52B	Use # 18B							
52C	Use # 12C							
54C	CHILHOWIE CHANNERY SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES, ROCKY	1	CHILHOWIE			HEL	.37	2
54D	CHILHOWIE CHANNERY SILTY CLAY LOAM, 15 TO 30 PERCENT SLOPES, ROCKY	1	CHILHOWIE			HEL	.37	2
54E	CHILHOWIE CHANNERY SILTY CLAY LOAM, 30 TO 60 PERCENT SLOPES, ROCKY	1	CHILHOWIE			HEL	.37	2
56C	GILPIN SILT LOAM, 7 TO 15 PERCENT SLOPES	1	GILPIN			PHEL	.32	3
60C	SEQUOIA SILT LOAM, 7 TO 15 PERCENT SLOPES	1	SEQUOIA			HEL	.37	3
60D	SEQUOIA SILT LOAM, 15 TO 30 PERCENT SLOPES	1	SEQUOIA			HEL	.37	3
70C	BAILEGAP FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	BAILEGAP			HEL	.24	3
72C	LILY GRAVELLY FINE SANDY LOAM 0 TO 15 PERCENT SLOPES	1	LILY			PHEL	.28	3
72D	LILY GRAVELLY FINE SANDY LOAM 15 TO 30 PERCENT SLOPES	1	LILY			HEL	.28	3
72E	LILY GRAVELLY FINE SANDY LOAM 30 TO 60 PERCENT SLOPES	1	LILY			HEL	.28	3
75C	LEHEW-DEKALB COMPLEX, 0 TO 15 PERCENT SLOPES, EXTREMELY STONY	1	LEHEW			PHEL	.17	3
75D	LEHEW-DEKALB COMPLEX, 15 TO 30 PERCENT SLOPES, EXTREMELY STONY	1	LEHEW			PHEL	.17	3
75E	LEHEW-DEKALB COMPLEX, 30 TO 60 PERCENT SLOPES, EXTREMELY STONY	1	LEHEW			HEL	.17	3
76D	DEKALB-ROCK OUTCROP COMPLEX, 10 TO 35 PERCENT SLOPES	1	DEKALB			HEL	.17	2
76E	DEKALB-ROCK OUTCROP COMPLEX, 30 TO 60 PERCENT SLOPES	1	DEKALB			HEL	.17	2
77C	DEKALB CHANNERY FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	DEKALB			HEL	.17	2
77D	DEKALB CHANNERY FINE SANDY LOAM, 15 TO 30 PERCENT SLOPES	1	DEKALB			HEL	.17	2
77E	DEKALB CHANNERY FINE SANDY LOAM, 30 TO 60 PERCENT SLOPES	1	DEKALB			HEL	.17	2
78C	DEKALB CHANNERY FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES, VERY STONY	1	DEKALB			HEL	.17	2
78D	DEKALB CHANNERY FINE SANDY LOAM, 15 TO 30 PERCENT SLOPES, VERY STONY	1	DEKALB			HEL	.17	2
78E	DEKALB CHANNERY FINE SANDY LOAM, 30 TO 60 PERCENT SLOPES, VERY STONY	1	DEKALB			HEL	.17	2
79D	EDGEMONT CHANNERY FINE SANDY LOAM, 15 TO 30 PERCENT SLOPES	1	EDGEMONT			HEL	.15	3
79E	EDGEMONT CHANNERY FINE SANDY LOAM, 30 TO 60 PERCENT SLOPES	1	EDGEMONT			HEL	.15	3
80B	TUMBLING LOAM, 2 TO 7 PERCENT SLOPES	1	TUMBLING			PHEL	.32	5
80C	TUMBLING LOAM, 7 TO 15 PERCENT SLOPES	1	TUMBLING			PHEL	.32	5
80D	TUMBLING LOAM, 15 TO 30 PERCENT SLOPES	1	TUMBLING			HEL	.32	5
81C	TUMBLING COBBLY LOAM, 0 TO 15	1	TUMBLING			PHEL	.24	5

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81D	PERCENT SLOPES, VERY STONY TUMBLING COBBLY LOAM, 15 TO 30	1	TUMBLING			HEL	.24	5
82B	PERCENT SLOPES, VERY STONY LAIDIG FINE SANDY LOAM, 2 TO 7 PERCENT SLOPES	1	LAIDIG			PHEL	.28	4
82C	LAIDIG FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	LAIDIG			PHEL	.28	4
83C	LAIDIG COBBLY FINE SANDY LOAM, 0 TO 15 PERCENT SLOPES, VERY STONY	1	LAIDIG			PHEL	.28	4
83D	LAIDIG COBBLY FINE SANDY LOAM, 15 TO 30 PERCENT SLOPES, VERY STONY	1	LAIDIG			HEL	.28	4
84	Use # 81							
85C	GRIMSLEY VERY COBBLY SANDY LOAM, 7 TO 15 PERCENT SLOPES, EXTREMELY BOULDERY	1	GRIMSLEY			PHEL	.20	4
85D	GRIMSLEY VERY COBBLY SANDY LOAM, 15 TO 30 PERCENT SLOPES, EXTREMELY BOULDERY	1	GRIMSLEY			HEL	.20	4
85E	GRIMSLEY VERY COBBLY SANDY LOAM, 30 TO 60 PERCENT SLOPES, EXTREMELY BOULDERY	1	GRIMSLEY			HEL	.20	4
87C	ERNEST COBBLY LOAM, 0 TO 15 PERCENT SLOPES	1	ERNEST			PHEL	.32	3
88C	SHELOCTA GRAVELLY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	SHELOCTA			PHEL	.28	4
88D	SHELOCTA GRAVELLY SILT LOAM, 15 TO 30 PERCENT SLOPES	1	SHELOCTA			HEL	.28	4
90C	THURMONT LOAM, 2 TO 15 PERCENT SLOPES	1	THURMONT			PHEL	.32	4
90D	THURMONT LOAM, 15 TO 30 PERCENT SLOPES	1	THURMONT			HEL	.32	4
93C	EDNEYTOWN VERY STONY LOAM, 7 TO 15 PERCENT SLOPES	1	EDNEYTOWN			PHEL	.15	3
93D	EDNEYTOWN VERY STONY LOAM, 15 TO 30 PERCENT SLOPES	1	EDNEYTOWN			HEL	.15	3
93E	EDNEYTOWN VERY STONY LOAM, 30 TO 60 PERCENT SLOPES	1	EDNEYTOWN			HEL	.15	3
95D	ASHE VERY STONY FINE SANDY LOAM, 15 TO 30 PERCENT SLOPES	1	ASHE			HEL	.15	2
95E	ASHE VERY STONY FINE SANDY LOAM, 30 TO 60 PERCENT SLOPES	1	ASHE			HEL	.15	2
95F	ASHE VERY STONY FINE SANDY LOAM, 60 TO 80 PERCENT SLOPES	1	ASHE			HEL	.15	2
97C	HAYESVILLE LOAM, 7 TO 15 PERCENT SLOPES	1	HAYESVILLE			PHEL	.20	5
97D	HAYESVILLE LOAM, 15 TO 30 PERCENT SLOPES	1	HAYESVILLE			HEL	.20	5
99	Use # 299							
109	CRAIGSVILLE VERY COBBLY SANDY LOAM, 0 TO 4 PERCENT SLOPES	1	CRAIGSVILLE			NHEL	.17	3
110C	SHOTTOWER COBBLY LOAM, 7 TO 15 PERCENT SLOPES	1	SHOTTOWER			PHEL	.24	5
110D	SHOTTOWER COBBLY LOAM, 15 TO 30 PERCENT SLOPES	1	SHOTTOWER			HEL	.24	5
170C	BAILEGAP COBBLY FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	BAILEGAP			PHEL	.28	3
170D	BAILEGAP COBBLY FINE SANDY LOAM, 15 TO 30 PERCENT SLOPES	1	BAILEGAP			HEL	.28	3
170E	BAILEGAP COBBLY FINE SANDY LOAM, 30 TO 60 PERCENT SLOPES	1	BAILEGAP			HEL	.28	3
180B	TUMBLING COBBLY LOAM, 2 TO 7 PERCENT SLOPES	1	TUMBLING			PHEL	.24	5
180C	TUMBLING COBBLY LOAM, 7 TO 15 PERCENT SLOPES	1	TUMBLING			PHEL	.24	5
180D	TUMBLING COBBLY LOAM, 15 TO 30 PERCENT SLOPES	1	TUMBLING			HEL	.24	5
182B	LAIDIG COBBLY FINE SANDY LOAM, 2 TO 7 PERCENT SLOPES	1	LAIDIG			PHEL	.28	4
182C	LAIDIG COBBLY FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	LAIDIG			PHEL	.28	4
182D	LAIDIG COBBLY FINE SANDY LOAM, 15 TO 30 PERCENT SLOPES	1	LAIDIG			HEL	.28	4
226	Use # 227							
227C	FREDERICK-URBAN LAND COMPLEX, 2 TO 15 PERCENT SLOPES	1	FREDERICK			PHEL	.32	4
227D	FREDERICK-URBAN LAND COMPLEX, 15 TO 30 PERCENT SLOPES	1	FREDERICK			HEL	.32	4
280C	TUMBLING-URBAN LAND COMPLEX, 0 TO 15 PERCENT SLOPES	1	TUMBLING			HEL	.32	5
299	UDORTHENTS-URBAN LAND							
326C	GROSECLOSE SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES	1	GROSECLOSE			HEL	.43	4

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326D	GROSECLOSE SILTY CLAY LOAM, 15 TO 30 PERCENT SLOPES	1	GROSECLOSE			HEL	.43	4
327C	FREDERICK SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES	1	FREDERICK			HEL	.32	4
327D	FREDERICK SILTY CLAY LOAM, 15 TO 30 PERCENT SLOPES	1	FREDERICK			HEL	.32	4

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.