

HIGHLY ERODIBLE LAND REPORT
JANUARY, 1990

Survey Area- BUCHANAN COUNTY, VIRGINIA

Map Symbol	Mapunit Name	Seq. Num.	Component Name	Cap. Subcl.	Prime Farm	HEL Soil	K Fact.	T Fact.	1-
2B	FREDERICK SILT LOAM, 2 TO 7 PERCENT SLOPES	1	FREDERICK	2E	1	PHEL	.32	4	
2C	FREDERICK SILT LOAM, 7 TO 15 PERCENT SLOPES	1	FREDERICK	3E	0	HEL	.32	4	
2D	FREDERICK SILT LOAM, 15 TO 25 PERCENT SLOPES	1	FREDERICK	4E	0	HEL	.32	4	
2E	FREDERICK SILT LOAM, 25 TO 35 PERCENT SLOPES	1	FREDERICK	6E	0	HEL	.32	4	
2F	FREDERICK SILT LOAM, 35 TO 60 PERCENT SLOPES	1	FREDERICK	7E	0	HEL	.32	4	
4B	FREDERICK GRAVELLY SILT LOAM, 2 TO 7 PERCENT SLOPES	1	FREDERICK	2E	1	PHEL	.28	4	
4C	FREDERICK GRAVELLY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	FREDERICK	3E	0	HEL	.28	4	
4D	FREDERICK GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	1	FREDERICK	4E	0	HEL	.28	4	
4E	FREDERICK GRAVELLY SILT LOAM, 25 TO 35 PERCENT SLOPES	1	FREDERICK	6E	0	HEL	.28	4	
4F	FREDERICK GRAVELLY SILT LOAM, 35 TO 60 PERCENT SLOPES	1	FREDERICK	7E	0	HEL	.28	4	
5A	ALLEGHENY LOAM, 0 TO 2 PERCENT SLOPES	1	ALLEGHENY	1	1	NHEL	.32	4	
5B	ALLEGHENY LOAM, 2 TO 7 PERCENT SLOPES	1	ALLEGHENY	2E	1	PHEL	.32	4	
5C	ALLEGHENY LOAM, 7 TO 15 PERCENT SLOPES	1	ALLEGHENY	3E	0	HEL	.32	4	
6C	WURNO CHANNERY LOAM, 7 TO 15 PERCENT SLOPES	1	WURNO	3E	0	HEL	.28	2	
6D	WURNO CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	1	WURNO	4E	0	HEL	.28	2	
6E	WURNO CHANNERY LOAM, 25 TO 70 PERCENT SLOPES	1	WURNO	6E	0	HEL	.28	2	
7A	COTACO SILT LOAM, 0 TO 2 PERCENT SLOPES	1	COTACO	2W	1	NHEL	.37	3	
7B	COTACO SILT LOAM, 2 TO 7 PERCENT SLOPES	1	COTACO	2E	1	PHEL	.37	3	
7C	COTACO SILT LOAM, 7 TO 15 PERCENT SLOPES	1	COTACO	3E	0	HEL	.37	3	
20B	SHOTTOWER LOAM, 2 TO 7 PERCENT SLOPES	1	SHOTTOWER	2E	1	PHEL	.32	5	
20C	SHOTTOWER LOAM, 7 TO 15 PERCENT SLOPES	1	SHOTTOWER	3E	0	HEL	.32	5	
20D	SHOTTOWER LOAM, 15 TO 25 PERCENT SLOPES	1	SHOTTOWER	4E	0	HEL	.32	5	
22B	BOLTON LOAM, 2 TO 7 PERCENT SLOPES	1	BOLTON		1	PHEL	.37	4	
22C	BOLTON LOAM, 7 TO 15 PERCENT SLOPES	1	BOLTON	3E	0	HEL	.37	4	
22D	BOLTON LOAM, 15 TO 25 PERCENT SLOPES	1	BOLTON	4E	0	HEL	.37	4	
22E	BOLTON LOAM, 25 TO 35 PERCENT SLOPES	1	BOLTON	6E	0	HEL	.37	4	
27A	POPE GRAVELLY FINE SANDY LOAM, 0 TO 4 PERCENT SLOPES, OCCASIONALLY FLOODED	1	POPE	2W	1	PHEL	.28	5	
29C	CARBO SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES	1	CARBO	3E	0	HEL	.37	2	
29D	CARBO SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES	1	CARBO	6E	0	HEL	.37	2	
29E	CARBO SILTY CLAY LOAM, 25 TO 65 PERCENT SLOPES	1	CARBO	7E	0	HEL	.37	2	
30B	TIMBERVILLE LOAM, 2 TO 7 PERCENT SLOPES, FREQUENTLY FLOODED	1	TIMBERVILLE	2E	1	PHEL	.32	5	
32C	GRIMSLEY COBBLY LOAM, 8 TO 15 PERCENT SLOPES	1	GRIMSLEY	6S	0	HEL	.20	4	
32D	GRIMSLEY COBBLY LOAM, 15 TO 25 PERCENT SLOPES	1	GRIMSLEY	7S	0	HEL	.20	4	
32E	GRIMSLEY COBBLY LOAM, 25 TO 70 PERCENT SLOPES	1	GRIMSLEY	7S	0	HEL	.20	4	
40B	LITZ-GROSECLOSE COMPLEX, 2 TO 7 PERCENT SLOPES	1	LITZ	2E	0	PHEL	.37	3	
40B	LITZ-GROSECLOSE COMPLEX, 2 TO 7 PERCENT SLOPES	2	GROSECLOSE	2E	0	PHEL	.43	4	
40C	LITZ-GROSECLOSE COMPLEX, 7 TO 15 PERCENT SLOPES	1	LITZ	3E	0	HEL	.37	3	
40C	LITZ-GROSECLOSE COMPLEX, 7 TO 15 PERCENT SLOPES	2	GROSECLOSE	3E	0	HEL	.43	4	
40D	LITZ-GROSECLOSE COMPLEX, 15 TO 25 PERCENT SLOPES	1	LITZ	4E	0	HEL	.37	3	
40D	LITZ-GROSECLOSE COMPLEX, 15 TO 25 PERCENT SLOPES	2	GROSECLOSE	4E	0	HEL	.43	4	
40E	LITZ-GROSECLOSE COMPLEX, 25 TO 60 PERCENT SLOPES	1	LITZ	7E	0	HEL	.37	3	
40E	LITZ-GROSECLOSE COMPLEX, 25 TO 60 PERCENT SLOPES	2	GROSECLOSE	7E	0	HEL	.43	4	
43B	LILY LOAM, 2 TO 7 PERCENT SLOPES	1	LILY	2E	1	PHEL	.28	2	
43C	LILY LOAM, 7 TO 15 PERCENT SLOPES	1	LILY	3E	1	HEL	.28	2	
43D	LILY LOAM, 15 TO 25 PERCENT SLOPES	1	LILY	6E	0	HEL	.28	2	
46B	POYNOR EXTREMELY GRAVELLY SILT LOAM, 2 TO 7 PERCENT SLOPES	1	POYNOR	4S	0	PHEL	.28	5	
46C	POYNOR EXTREMELY GRAVELLY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	POYNOR	6E	0	HEL	.28	5	

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46D	POYNOR EXTREMELY GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	1	POYNOR	7E	0	HEL	.28	5	
46E	POYNOR EXTREMELY GRAVELLY SILT LOAM, 25 TO 70 PERCENT SLOPES	1	POYNOR	7E	0	HEL	.28	5	
49C	CARBO-ROCK OUTCROP COMPLEX, 7 TO 15 PERCENT SLOPES	1	CARBO	3E	0	HEL	.37	2	
49C	CARBO-ROCK OUTCROP COMPLEX, 7 TO 15 PERCENT SLOPES	2	ROCK OUTCROP		0	HEL			
49D	CARBO-ROCK OUTCROP COMPLEX, 15 TO 25 PERCENT SLOPES	1	CARBO	6E	0	HEL	.37	2	
49D	CARBO-ROCK OUTCROP COMPLEX, 15 TO 25 PERCENT SLOPES	2	ROCK OUTCROP		0	HEL			
49E	CARBO-ROCK OUTCROP COMPLEX, 25 TO 65 PERCENT SLOPES	1	CARBO	7E	0	HEL	.37	2	
49E	CARBO-ROCK OUTCROP COMPLEX, 25 TO 65 PERCENT SLOPES	2	ROCK OUTCROP		0	HEL			
50B	FREDERICK SILT LOAM, 2 TO 7 PERCENT SLOPES, KARST	1	FREDERICK	2E	1	PHEL	.32	4	
50C	FREDERICK SILT LOAM, 7 TO 15 PERCENT SLOPES, KARST	1	FREDERICK	3E	0	HEL	.32	4	
50D	FREDERICK SILT LOAM, 15 TO 25 PERCENT SLOPES, KARST	1	FREDERICK	4E	0	HEL	.32	4	
50E	FREDERICK SILT LOAM, 25 TO 60 PERCENT SLOPES, KARST	1	FREDERICK	7E	0	HEL	.32	4	
53A	NOLIN SILT LOAM, 0 TO 3 PERCENT SLOPES, OCCASIONALLY FLOODED	1	NOLIN	2W	1	PHEL	.43	5	
60C	JEFFERSON LOAM, 7 TO 15 PERCENT SLOPES, VERY STONY	1	JEFFERSON	6S	0	HEL	.10	4	
60D	JEFFERSON LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	1	JEFFERSON	6S	0	HEL	.10	4	
60E	JEFFERSON LOAM, 25 TO 70 PERCENT SLOPES, VERY STONY	1	JEFFERSON	7S	0	HEL	.10	4	
63B	SHELOCTA SILT LOAM, 2 TO 7 PERCENT SLOPES	1	SHELOCTA	2E	1	PHEL	.32	4	
63C	SHELOCTA SILT LOAM, 7 TO 15 PERCENT SLOPES	1	SHELOCTA	3E	0	HEL	.32	4	
63D	SHELOCTA SILT LOAM, 15 TO 25 PERCENT SLOPES	1	SHELOCTA	6E	0	HEL	.32	4	
63E	SHELOCTA SILT LOAM, 25 TO 65 PERCENT SLOPES	1	SHELOCTA	7E	0	HEL	.32	4	
69A	LINDSIDE-NEWARK COMPLEX, 0 TO 3 PERCENT SLOPES, OCCASIONALLY FLOODED	1	LINDSIDE	2W	1	PHEL	.32	5	
69A	LINDSIDE-NEWARK COMPLEX, 0 TO 3 PERCENT SLOPES, OCCASIONALLY FLOODED	2	NEWARK	2W	1	PHEL	.43	5	
70A	MELVIN SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED	1	MELVIN	4W	0	NHEL	.43	5	
73C	WESTMORELAND LOAM, 7 TO 15 PERCENT SLOPES	1	WESTMORELAND	3E	0	HEL	.37	3	
73D	WESTMORELAND LOAM, 15 TO 25 PERCENT SLOPES	1	WESTMORELAND	4E	0	HEL	.37	3	
73E	WESTMORELAND LOAM, 25 TO 65 PERCENT SLOPES	1	WESTMORELAND	7E	0	HEL	.37	3	
74C	FREDERICK SILT LOAM, 7 TO 15 PERCENT SLOPES, ROCKY	1	FREDERICK	3E	0	HEL	.32	4	
74D	FREDERICK SILT LOAM, 15 TO 25 PERCENT SLOPES, ROCKY	1	FREDERICK	4E	0	HEL	.32	4	
74E	FREDERICK SILT LOAM, 25 TO 65 PERCENT SLOPES, ROCKY	1	FREDERICK	7E	0	HEL	.32	4	
90B	JEFFERSON LOAM, 2 TO 7 PERCENT SLOPES	1	JEFFERSON	2E	1	PHEL	.24	4	
90C	JEFFERSON LOAM, 7 TO 15 PERCENT SLOPES	1	JEFFERSON	3E	0	HEL	.24	4	
90D	JEFFERSON LOAM, 15 TO 25 PERCENT SLOPES	1	JEFFERSON	6E	0	HEL	.24	4	
114C	LAIDIG LOAM, 7 TO 15 PERCENT SLOPES, VERY STONY	1	LAIDIG	6S	0	HEL	.28	4	
114D	LAIDIG LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	1	LAIDIG	6S	0	HEL	.28	4	
114E	LAIDIG LOAM, 25 TO 50 PERCENT SLOPES, VERY STONY	1	LAIDIG	7S	0	HEL	.28	4	
115B	LAIDIG CHANNERY LOAM, 2 TO 7 PERCENT SLOPES	1	LAIDIG	2E	0	PHEL	.28	4	
115C	LAIDIG CHANNERY LOAM, 7 TO 15 PERCENT SLOPES	1	LAIDIG	3E	0	HEL	.28	4	
115D	LAIDIG CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	1	LAIDIG	4E	0	HEL	.28	4	
135B	GILPIN SILT LOAM, 2 TO 7 PERCENT SLOPES	1	GILPIN	2E	0	PHEL	.32	3	
135C	GILPIN SILT LOAM, 7 TO 15 PERCENT SLOPES	1	GILPIN	3E	0	HEL	.32	3	
135D	GILPIN SILT LOAM, 15 TO 25 PERCENT SLOPES	1	GILPIN	4E	0	HEL	.32	3	
141B	WYRICK-MARBIE COMPLEX, 2 TO 7 PERCENT SLOPES	1	WYRICK	2E	1	PHEL	.32	5	

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141B	WYRICK-MARBIE COMPLEX, 2 TO 7 PERCENT SLOPES	2	MARBIE	2E	1	PHEL	.37	5
141C	WYRICK-MARBIE COMPLEX, 7 TO 15 PERCENT SLOPES	1	WYRICK	3E	0	HEL	.32	5
141C	WYRICK-MARBIE COMPLEX, 7 TO 15 PERCENT SLOPES	2	MARBIE	3E	0	HEL	.37	5
150A	CRAIGSVILLE COBBLY SANDY LOAM, 0 TO 5 PERCENT SLOPES, FREQUENTLY FLOODED	1	CRAIGSVILLE	3S	0	PHEL	.20	3
152B	ZOAR SILT LOAM, 2 TO 7 PERCENT SLOPES	1	ZOAR	2E	1	PHEL	.43	3
152C	ZOAR SILT LOAM, 7 TO 15 PERCENT SLOPES	1	ZOAR	3E	0	HEL	.43	3
215A	PURDY SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, PONDED	1	PURDY	4W	0	NHEL	.43	3
215B	PURDY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, PONDED	1	PURDY	4W	0	PHEL	.43	3
220C	SHOTTOWER COBBLY LOAM, 7 TO 15 PERCENT SLOPES	1	SHOTTOWER	3S	0	PHEL	.24	5
220D	SHOTTOWER COBBLY LOAM, 15 TO 25 PERCENT SLOPES	1	SHOTTOWER	4S	0	HEL	.24	5
220E	SHOTTOWER COBBLY LOAM, 25 TO 35 PERCENT SLOPES	1	SHOTTOWER		0	HEL	.24	5
223B	TUMBLING LOAM, 2 TO 7 PERCENT SLOPES	1	TUMBLING	2E	1	PHEL	.32	5
223C	TUMBLING LOAM, 7 TO 15 PERCENT SLOPES	1	TUMBLING	3E	0	HEL	.32	5
223D	TUMBLING LOAM, 15 TO 25 PERCENT SLOPES	1	TUMBLING	4E	0	HEL	.32	5
224C	TUMBLING LOAM, 7 TO 15 PERCENT SLOPES, VERY STONY	1	TUMBLING	6S	0	HEL	.24	5
224D	TUMBLING LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	1	TUMBLING	6S	0	HEL	.24	5
224E	TUMBLING LOAM, 25 TO 45 PERCENT SLOPES, VERY STONY	1	TUMBLING	7E	0	HEL	.24	5
271C	BERKS SILT LOAM, 7 TO 15 PERCENT SLOPES, VERY STONY	1	BERKS	6S	0	HEL	.17	3
271D	BERKS SILT LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	1	BERKS	6S	0	HEL	.17	3
271E	BERKS SILT LOAM, 25 TO 70 PERCENT SLOPES, VERY STONY	1	BERKS	7S	0	HEL	.17	3
297C	DEKALB FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	DEKALB	3E	0	HEL	.24	2
297D	DEKALB FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	DEKALB	4E	0	HEL	.24	2
297E	DEKALB FINE SANDY LOAM, 25 TO 70 PERCENT SLOPES	1	DEKALB	7E	0	HEL	.24	2
298C	DEKALB SANDY LOAM, 7 TO 15 PERCENT SLOPES, VERY STONY	1	DEKALB	6S	0	HEL	.17	2
298D	DEKALB SANDY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	1	DEKALB	6S	0	HEL	.17	2
298E	DEKALB SANDY LOAM, 25 TO 80 PERCENT SLOPES, VERY STONY	1	DEKALB	7S	0	HEL	.17	2
299E	DEKALB-ROCK OUTCROP COMPLEX, 15 TO 70 PERCENT SLOPES	1	DEKALB	7S	0	HEL	.17	2
299E	DEKALB-ROCK OUTCROP COMPLEX, 15 TO 70 PERCENT SLOPES	2	ROCK OUTCROP		0	HEL		
X10C	CEDARCREEK CHANNERY LOAM, 0 TO 15 PERCENT SLOPES	1	CEDARCREEK		0	HEL	.32	5
X10D	CEDARCREEK CHANNERY LOAM, 15 TO 35 PERCENT SLOPES	1	CEDARCREEK		0	HEL	.32	5
X10E		1	CEDARCREEK		0	HEL	.32	5

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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.