

HIGHLY ERODIBLE LAND REPORT
JANUARY, 1990

Survey Area- GILES COUNTY, VIRGINIA

Map Symbol	Mapunit Name	Seq. Num.	Component Name	Cap. Subcl.	Prime Farm	HEL Soil	K Fact.	T Fact.
1B	ALLEGHENY LOAM, 2 TO 7 PERCENT SLOPES	1	ALLEGHENY	2E	1	PHEL	.32	4
1C	ALLEGHENY LOAM, 7 TO 15 PERCENT SLOPES	1	ALLEGHENY	3E	0	HEL	.32	4
2D	BERKS CHANNERY SILT LOAM, 10 TO 30 PERCENT SLOPES	1	BERKS	4E	0	HEL	.17	3
2F	BERKS CHANNERY SILT LOAM, 30 TO 65 PERCENT SLOPES	1	BERKS	7E	0	HEL	.17	3
3F	BERKS VERY STONY SILT LOAM, 30 TO 65 PERCENT SLOPES	1	BERKS	7S	0	HEL	.17	3
4B	BRADDOCK SANDY LOAM, 2 TO 7 PERCENT SLOPES	1	BRADDOCK	2E	1	PHEL	.32	4
4C	BRADDOCK SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	BRADDOCK	3E	0	HEL	.32	4
4D	BRADDOCK SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	BRADDOCK	4E	0	HEL	.32	4
4E	BRADDOCK SANDY LOAM, 25 TO 35 PERCENT SLOPES	1	BRADDOCK	6E	0	HEL	.32	4
5C	CARBO SILTY CLAY LOAM, VERY ROCKY, 2 TO 15 PERCENT SLOPES	1	CARBO	3E	0	HEL	.37	2
5D	CARBO SILTY CLAY LOAM, VERY ROCKY, 15 TO 45 PERCENT SLOPES	1	CARBO	7E	0	HEL	.37	2
6F	CARBO-ROCK OUTCROP COMPLEX, 25 TO 65 PERCENT SLOPES	1	CARBO	7E	0	HEL	.37	2
6F	CARBO-ROCK OUTCROP COMPLEX, 25 TO 65 PERCENT SLOPES	2	ROCK OUTCROP		0	HEL		
7	CHAGRIN SILT LOAM	1	CHAGRIN	2W	1	NHEL	.32	5
8	CHAGRIN VARIANT, LOAMY SAND	1	CHAGRIN VARIANT	2S	0	NHEL	.10	5
9	CHAVIES VARIANT, SANDY LOAM	1	CHAVIES VARIANT	1	1	NHEL	.24	4
10B	COTACO LOAM, 2 TO 7 PERCENT SLOPES	1	COTACO	2E	1	PHEL	.37	3
10C	COTACO LOAM, 7 TO 15 PERCENT SLOPES	1	COTACO	3E	0	HEL	.37	3
11D	FAYWOOD SILT LOAM, 10 TO 30 PERCENT SLOPES	1	FAYWOOD	6E	0	HEL	.37	3
11F	FAYWOOD SILT LOAM, 30 TO 65 PERCENT SLOPES	1	FAYWOOD	7E	0	HEL	.37	3
13B	FREDERICK SILT LOAM, 2 TO 7 PERCENT SLOPES	1	FREDERICK	2E	1	PHEL	.32	4
13C	FREDERICK SILT LOAM, 7 TO 15 PERCENT SLOPES	1	FREDERICK	3E	0	HEL	.32	4
13D	FREDERICK SILT LOAM, 15 TO 25 PERCENT SLOPES	1	FREDERICK	4E	0	HEL	.32	4
13E	FREDERICK SILT LOAM, 25 TO 35 PERCENT SLOPES	1	FREDERICK	6E	0	HEL	.32	4
14B	FREDERICK GRAVELLY SILT LOAM, 2 TO 7 PERCENT SLOPES	1	FREDERICK	2E	1	PHEL	.28	4
14C	FREDERICK GRAVELLY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	FREDERICK	3E	0	HEL	.28	4
14D	FREDERICK GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	1	FREDERICK	4E	0	HEL	.28	4
14E	FREDERICK GRAVELLY SILT LOAM, 25 TO 35 PERCENT SLOPES	1	FREDERICK	6E	0	HEL	.28	4
15C	FREDERICK VERY STONY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	FREDERICK	3E	0	HEL	.32	4
15D	FREDERICK VERY STONY SILT LOAM, 15 TO 25 PERCENT SLOPES	1	FREDERICK	4E	0	HEL	.32	4
15E	FREDERICK VERY STONY SILT LOAM, 25 TO 35 PERCENT SLOPES	1	FREDERICK	6E	0	HEL	.32	4
16D	FREDERICK-ROCK OUTCROP COMPLEX, 10 TO 30 PERCENT SLOPES	1	FREDERICK	4E	0	HEL	.32	4
16D	FREDERICK-ROCK OUTCROP COMPLEX, 10 TO 30 PERCENT SLOPES	2	ROCK OUTCROP		0	HEL		
16F	FREDERICK-ROCK OUTCROP COMPLEX, 30 TO 60 PERCENT SLOPES	1	FREDERICK	7E	0	HEL	.32	4
16F	FREDERICK-ROCK OUTCROP COMPLEX, 30 TO 60 PERCENT SLOPES	2	ROCK OUTCROP		0	HEL		
17C	GILPIN SILT LOAM, 7 TO 15 PERCENT SLOPES	1	GILPIN	3E	0	HEL	.32	3
17D	GILPIN SILT LOAM, 15 TO 30 PERCENT SLOPES	1	GILPIN	4E	0	HEL	.32	3
17F	GILPIN SILT LOAM, 30 TO 65 PERCENT SLOPES	1	GILPIN	7E	0	HEL	.32	3
18D	GILPIN VERY STONY SILT LOAM, 10 TO 30 PERCENT SLOPES	1	GILPIN	6S	0	HEL	.24	3
18F	GILPIN VERY STONY SILT LOAM, 30 TO 65 PERCENT SLOPES	1	GILPIN	7S	0	HEL	.24	3
19C	JEFFERSON LOAM, 0 TO 15 PERCENT SLOPES	1	JEFFERSON	3E	1	HEL	.24	4
20C	JEFFERSON VERY STONY LOAM, 0 TO 15 PERCENT SLOPES	1	JEFFERSON	6S	0	HEL	.10	4
20E	JEFFERSON VERY STONY LOAM, 15 TO 35 PERCENT SLOPES	1	JEFFERSON	7S	0	HEL	.10	4

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21C	JEFFERSON EXTREMELY STONY LOAM, 0 TO 15 PERCENT SLOPES	1	JEFFERSON	6S	0	HEL	.10	4	
21E	JEFFERSON EXTREMELY STONY LOAM, 15 TO 35 PERCENT SLOPES	1	JEFFERSON	7S	0	HEL	.10	4	
21F	JEFFERSON EXTREMELY STONY LOAM, 35 TO 65 PERCENT SLOPES	1	JEFFERSON	7S	0	HEL	.10	4	
22D	JEFFERSON VARIANT AND DRALL SOILS, VERY STONY, 10 TO 30 PERCENT SLOPES	1	JEFFERSON VARIANT	6S	0	HEL	.24	4	
22D	JEFFERSON VARIANT AND DRALL SOILS, VERY STONY, 10 TO 30 PERCENT SLOPES	2	DRALL	6S	0	HEL	.17	3	
22F	JEFFERSON VARIANT AND DRALL SOILS, VERY STONY, 30 TO 65 PERCENT SLOPES	1	JEFFERSON VARIANT	7S	0	HEL	.24	4	
22F	JEFFERSON VARIANT AND DRALL SOILS, VERY STONY, 30 TO 65 PERCENT SLOPES	2	DRALL	7S	0	HEL	.17	3	
23F	LEHEW AND WALLEN SOILS, VERY STONY, 35 TO 65 PERCENT SLOPES	1	LEHEW	7S	0	HEL	.17	3	
23F	LEHEW AND WALLEN SOILS, VERY STONY, 35 TO 65 PERCENT SLOPES	2	WALLEN	7S	0	HEL	.17	2	
24C	LILY GRAVELLY SANDY LOAM, 0 TO 15 PERCENT SLOPES	1	LILY	3E	0	HEL	.28	2	
24D	LILY GRAVELLY SANDY LOAM, 15 TO 35 PERCENT SLOPES	1	LILY	6E	0	HEL	.28	2	
25F	LILY EXTREMELY STONY SANDY LOAM, 35 TO 65 PERCENT SLOPES	1	LILY	7S	0	HEL	.17	2	
26F	LILY GRAVELLY SANDY LOAM, VERY ROCKY, 35 TO 65 PERCENT SLOPES	1	LILY	7E	0	HEL	.28	2	
27C	LILY-BAILEGAP COMPLEX, VERY STONY, 2 TO 15 PERCENT SLOPES	1	LILY	6S	0	HEL	.24	2	
27C	LILY-BAILEGAP COMPLEX, VERY STONY, 2 TO 15 PERCENT SLOPES	2	BAILEGAP	6S	0	HEL	.28	3	
27E	LILY-BAILEGAP COMPLEX, VERY STONY, 15 TO 35 PERCENT SLOPES	1	LILY	6S	0	HEL	.24	2	
27E	LILY-BAILEGAP COMPLEX, VERY STONY, 15 TO 35 PERCENT SLOPES	2	BAILEGAP	6S	0	HEL	.28	3	
27F	LILY-BAILEGAP COMPLEX, VERY STONY, 35 TO 65 PERCENT SLOPES	1	LILY	7S	0	HEL	.24	2	
27F	LILY-BAILEGAP COMPLEX, VERY STONY, 35 TO 65 PERCENT SLOPES	2	BAILEGAP	7S	0	HEL	.28	3	
28E	LILY-BAILEGAP COMPLEX, EXTREMELY STONY, 15 TO 35 PERCENT SLOPES	1	LILY	7S	0	HEL	.17	2	
28E	LILY-BAILEGAP COMPLEX, EXTREMELY STONY, 15 TO 35 PERCENT SLOPES	2	BAILEGAP	7S	0	HEL	.15	3	
29B	NOLICHUCKY LOAM, 2 TO 7 PERCENT SLOPES	1	NOLICHUCKY	2E	1	PHEL	.28	5	
29C	NOLICHUCKY LOAM, 7 TO 15 PERCENT SLOPES	1	NOLICHUCKY	3E	0	HEL	.28	5	
29D	NOLICHUCKY LOAM, 15 TO 25 PERCENT SLOPES	1	NOLICHUCKY	6E	0	HEL	.28	5	
30C	NOLICHUCKY VERY STONY SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	NOLICHUCKY	6S	0	HEL	.20	5	
30D	NOLICHUCKY VERY STONY SANDY LOAM, 15 TO 30 PERCENT SLOPES	1	NOLICHUCKY	6S	0	HEL	.20	5	
30F	NOLICHUCKY VERY STONY SANDY LOAM, 30 TO 65 PERCENT SLOPES	1	NOLICHUCKY	7S	0	HEL	.20	5	
31C	POPLIMENTO SILT LOAM, 7 TO 15 PERCENT SLOPES	1	POPLIMENTO	3E	0	HEL	.32	4	
31D	POPLIMENTO SILT LOAM, 15 TO 25 PERCENT SLOPES	1	POPLIMENTO	4E	0	HEL	.32	4	
31E	POPLIMENTO SILT LOAM, 25 TO 35 PERCENT SLOPES	1	POPLIMENTO	6E	0	HEL	.32	4	
32F	ROCK OUTCROP-BERKS COMPLEX, 30 TO 80 PERCENT SLOPES	1	ROCK OUTCROP		0	HEL			
32F	ROCK OUTCROP-BERKS COMPLEX, 30 TO 80 PERCENT SLOPES	2	BERKS	7E	0	HEL	.17	3	
33D	SEQUOIA SILT LOAM, 10 TO 30 PERCENT SLOPES	1	SEQUOIA	6E	0	HEL	.37	3	
33F	SEQUOIA SILT LOAM, 30 TO 65 PERCENT SLOPES	1	SEQUOIA	7E	0	HEL	.37	3	
35B	TIMBERVILLE VARIANT LOAM, 2 TO 7 PERCENT SLOPES	1	TIMBERVILLE VARIANT	2W	0	PHEL	.28	4	
35C	TIMBERVILLE VARIANT, LOAM, 7 TO 15 PERCENT SLOPES	1	TIMBERVILLE VARIANT	3E	0	HEL	.28	4	

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Symbol	Mapunit	Name	Seq.	Component	Cap.	Prime	HEL	K	T
			Num.	Name	Subcl.	Farm	Soil	Fact.	Fact.

3-

HEL Terms

NHEL – Not Highly Erodible Land
PHL – 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.