

HIGHLY ERODIBLE LAND REPORT
 JANUARY, 1990

Survey Area- SMYTH COUNTY, VIRGINIA

Map Symbol	Mapunit Name	Seq. Num.	Component Name	Cap. Subcl.	Prime Farm	HEL Soil	K Fact.	T Fact.
2B	FREDERICK SILT LOAM, 2 TO 7 PERCENT SLOPES	1	FREDERICK			PHEL	.32	4
2C	FREDERICK SILT LOAM, 7 TO 15 PERCENT SLOPES	1	FREDERICK			PHEL	.32	4
2D	FREDERICK SILT LOAM, 15 TO 25 PERCENT SLOPES	1	FREDERICK			HEL	.32	4
2E	FREDERICK SILT LOAM, 25 TO 35 PERCENT SLOPES	1	FREDERICK			HEL	.32	4
2F	FREDERICK SILT LOAM, 35 TO 60 PERCENT SLOPES	1	FREDERICK			HEL	.32	4
4B	FREDERICK GRAVELLY SILT LOAM, 2 TO 7 PERCENT SLOPES	1	FREDERICK			PHEL	.28	4
4C	FREDERICK GRAVELLY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	FREDERICK			PHEL	.28	4
4D	FREDERICK GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	1	FREDERICK			HEL	.28	4
4E	FREDERICK GRAVELLY SILT LOAM, 25 TO 35 PERCENT SLOPES	1	FREDERICK			HEL	.28	4
5B	WHEELING LOAM, 2 TO 7 PERCENT SLOPES,	1	WHEELING			PHEL	.37	4
5C	WHEELING LOAM, 7 TO 15 PERCENT SLOPES	1	WHEELING			PHEL	.37	4
6C	WURNO-NEWBERN COMPLEX, 7 TO 15 PERCENT SLOPES	1	WURNO			PHEL	-	-
6D	WURNO-NEWBERN COMPLEX, 15 TO 25 PERCENT SLOPES	1	WURNO			HEL	-	-
6E	WURNO-NEWBERN COMPLEX, 25 TO 65 PERCENT SLOPES	1	WURNO			HEL	-	-
07B	COTACO SILTY LOAM, 2 TO 7 PERCENT SLOPES	1	COTACO			PHEL	.37	3
07C	COTACO SILTY LOAM, 7 TO 15 PERCENT SLOPES	1	COTACO			PHEL	.37	3
08A	SINDION SILT LOAM, 0 TO 2 PERCENT SLOPES,	1	SINDION			NHEL	.32	5
13C	CHISWELL-LITZ-GROSECLOSE COMPLEX, 7 TO 15 PERCENT SLOPES	1	CHISWELL			PHEL	-	-
13D	CHISWELL-LITZ-GROSECLOSE COMPLEX, 15 TO 25 PERCENT SLOPES	1	CHISWELL			HEL	-	-
13E	CHISWELL-LITZ-GROSECLOSE COMPLEX, 25 TO 65 PERCENT SLOPES	1	CHISWELL			HEL	-	-
15B	INGLEDOVE LOAM, 2 TO 7 PERCENT SLOPES	1	INGLEDOVE			PHEL	-	-
15C	INGLEDOVE LOAM, 7 TO 15 PERCENT SLOPES	1	INGLEDOVE			PHEL	-	-
17D	ELLIBER VAR. EXTREMELY GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES	1	ELLIBER			HEL	-	-
17E	ELLIBER VAR. EXTREMELY GRAVELLY LOAM, 25 TO 35 PERCENT SLOPES	1	ELLIBER			HEL	-	-
20B	SHOTTOWER LOAM, 2 TO 7 PERCENT SLOPE	1	SHOTTOWER			PHEL	.32	4
20C	SHOTTOWER LOAM, 7 TO 15 PERCENT SLOPES	1	SHOTTOWER			PHEL	.32	4
20D	SHOTTOWER LOAM, 15 TO 25 PERCENT SLOPES	1	SHOTTOWER			HEL	.32	4
20E	SHOTTOWER LOAM, 25 TO 35 PERCENT SLOPES	1	SHOTTOWER			HEL	.32	4
21B	TUMBLING LOAM, 2 TO 7 PERCENT SLOPES	1	TUMBLING			PHEL	.32	5
21C	TUMBLING LOAM, 7 TO 15 PERCENT SLOPES	1	TUMBLING			PHEL	.32	5
21D	TUMBLING LOAM, 15 TO 25 PERCENT SLOPES	1	TUMBLING			HEL	.32	5
21E	TUMBLING LOAM, 25 TO 35 PERCENT SLOPES	1	TUMBLING			HEL	.32	5
26B	WYRICK-MARBIE COMPLEX, 2 TO 7 PERCENT SLOPES	1	WYRICK			PHEL	.32	5
26C	WYRICK-MARBIE COMPLEX, 7 TO 15 PERCENT SLOPES	1	WYRICK			PHEL	.32	5
26D	WYRICK-MARBIE COMPLEX, 15 TO 25 PERCENT SLOPES	1	WYRICK			HEL	.32	5
29C	CARBO SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES	1	CARBO			PHEL	.37	2
29D	CARBO SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES	1	CARBO			HEL	.37	2
30B	TIMBERVILLE SILT LOAM, 0 TO 2 PERCENT SLOPES,	1	TIMBERVILLE			PHEL	.32	4
32F	ROCK OUTCROP-NEWBERN COMPLEX, 25 TO 100 PERCENT SLOPES	1	ROCK OUTCROP			HEL	-	-
33A	CLUBCAF SILT LOAM, 0 TO 2 PERCENT SLOPES	1	CLUBCAF			NHEL	.28	5

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35B	SHELOCTA SILT LOAM, 2 TO 7 PERCENT SLOPES	1	SHELOCTA			PHEL	.32	4
35C	SHELOCTA SILT LOAM, 7 TO 15 PERCENT SLOPES	1	SHELOCTA			PHEL	.32	4
35D	SHELOCTA SILT LOAM, 15 TO 25 PERCENT SLOPES	1	SHELOCTA			HEL	.32	4
35E	SHELOCTA SILT LOAM, 25 TO 45 PERCENT SLOPES	1	SHELOCTA			HEL	.32	4
39D	CALVIN CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	1	CALVIN			HEL	.20	3
39E	CALVIN CHANNERY SILT LOAM, 25 TO 65 PERCENT SLOPES	1	CALVIN			HEL	.20	3
41A	SPEEDWELL FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	1	SPEEDWELL			NHEL	-	-
43C	LILY SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	LILY			PHEL	.24	2
43D	LILY SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	LILY			HEL	.24	2
43E	LILY SANDY LOAM, 25 TO 65 PERCENT SLOPES	1	LILY			HEL	.24	2
46C	POYNOR GRAVELLY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	POYNOR			PHEL	.28	5
46D	POYNOR GRAVELLY SILT LOAM, 15 TO 25 PERCENT SLOPES	1	POYNOR			HEL	.28	5
46E	POYNOR GRAVELLY SILT LOAM, 25 TO 65 PERCENT SLOPES	1	POYNOR			HEL	.28	5
49D	CARBO-ROCK OUTCROP COMPLEX, 7 TO 25 PERCENT SLOPES	1	CARBO			HEL	.37	2
49E	CARBO-ROCK OUTCROP COMPLEX, 25 TO 65 PERCENT SLOPES	1	CARBO			HEL	.37	2
52D	DRYPOND-ROCK OUTCROP COMPLEX, 15 TO 25 PERCENT SLOPES	1	DRYPOND			HEL	.15	1
52E	DRYPOND-ROCK OUTCROP COMPLEX, 25 TO 85 PERCENT SLOPES	1	DRYPOND			HEL	.15	1
60C	LAIDIG SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	LAIDIG			PHEL	.28	4
60D	LAIDIG SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	LAIDIG			HEL	.28	4
60E	LAIDIG SANDY LOAM, 25 TO 65 PERCENT SLOPES	1	LAIDIG			HEL	.28	4
73C	NEWBERN-WESTMORELAND COMPLEX, 7 TO 15 PERCENT SLOPES	1	NEWBERN			PHEL	-	-
73D	NEWBERN-WESTMORELAND COMPLEX, 15 TO 25 PERCENT SLOPES	1	NEWBERN			HEL	-	-
73E	NEWBERN-WESTMORELAND COMPLEX, 25 TO 65 PERCENT SLOPES	1	NEWBERN			HEL	-	-
90B	LAIDIG SANDY LOAM, 2 TO 7 PERCENT SLOPES	1	LAIDIG			PHEL	.32	4
90C	LAIDIG SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	LAIDIG			PHEL	.32	4
90D	LAIDIG SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	LAIDIG			HEL	.32	4
107B	BOTETOVRT LOAM, 2 TO 7 PERCENT SLOPES	1	BOTETOVRT			PHEL	.37	5
107C	BOTETOVRT LOAM, 7 TO 15 PERCENT SLOPES	1	BOTETOVRT			PHEL	.37	5
130B	AUSTINVILLE SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES	1	AUSTINVILLE			PHEL	.32	5
130C	AUSTINVILLE SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES	1	AUSTINVILLE			PHEL	.32	5
130D	AUSTINVILLE SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES	1	AUSTINVILLE			HEL	.32	5
130E	AUSTINVILLE SILTY CLAY LOAM, 25 TO 35 PERCENT SLOPES	1	AUSTINVILLE			HEL	.32	5
141A	WOLFGAP CLAY LOAM, 0 TO 2 PERCENT SLOPES,	1	WOLFGAP			NHEL	.32	5
149E	CARBO-ROCK OUTCROP COMPLEX, 7 TO 65 PERCENT SLOPES	1	CARBO			HEL	.37	2

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150A	DERROC COBBLY SANDY LOAM, 0 TO 5 PERCENT SLOPES	1	DERROC			NHEL	.17	3	
151B	WHEELING-URBAN LAND COMPLEX, 0 TO 7 PERCENT SLOPES	1	WHEELING			PHEL	.37	4	
152A	ZOAR SILT LOAM, 0 TO 2 PERCENT SLOPES	1	ZOAR			NHEL	.43	3	
181C	BERKS VERY CHANNERY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	BERKS			PHEL	.17	3	
181D	BERKS VERY CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	1	BERKS			HEL	.17	3	
181E	BERKS VERY CHANNERY SILT LOAM, 25 TO 70 PERCENT SLOPES	1	BERKS			HEL	.17	3	
202C	FREDERICK-URBAN LAND COMPLEX, 0 TO 15 PERCENT SLOPES	1	FREDERICK			HEL	.32	4	
211C	TUMBLING, 7 TO 15 PERCENT SLOPES	1	TUMBLING			PHEL	.17	5	
211D	TUMBLING, 15 TO 25 PERCENT SLOPES	1	TUMBLING			HEL	.17	5	
211E	TUMBLING, 25 TO 65 PERCENT SLOPES	1	TUMBLING			HEL	.17	5	
215A	MAURERTOWN SILT LOAM, 0 TO 2 PERCENT SLOPES,	1	MAURERTOWN			NHEL	.43	4	
223B	MURRILL LOAM, 2 TO 7 PERCENT SLOPES	1	MURRILL			PHEL	.32	4	
223C	MURRILL LOAM, 7 TO 15 PERCENT SLOPES	1	MURRILL			PHEL	.32	4	
223D	MURRILL LOAM, 15 TO 25 PERCENT SLOPES	1	MURRILL			HEL	.32	4	
223E	MURRILL LOAM, 25 TO 35 PERCENT SLOPES	1	MURRILL			HEL	.32	4	
224C	MURRILL LOAM, 7 TO 15 PERCENT SLOPES	1	MURRILL			PHEL	.24	4	
224D	MURRILL LOAM, 15 TO 25 PERCENT SLOPES	1	MURRILL			HEL	.24	4	
224E	MURRILL LOAM, 25 TO 65 PERCENT SLOPES	1	MURRILL			HEL	.24	4	
230E	AUSTINVILLE-ROCK OUTCROP COMPLEX, 10 TO 45 PERCENT SLOPES	1	AUSTINVILLE			HEL	.32	5	
251B	INGLEDOVE-URBAN LAND COMPLEX, 2 TO 7 PERCENT SLOPES	1	INGLEDOVE			PHEL	-	-	
281C	SYLCO CHANNERY SILT LOAM, 7 TO 15 PERCENT SLOPES	1	SYLCO			PHEL	.24	2	
281D	SYLCO CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES	1	SYLCO			HEL	.24	2	
281E	SYLCO CHANNERY SILT LOAM, 25 TO 45 PERCENT SLOPES	1	SYLCO			HEL	.24	2	
X5	PITS, QUARRIES	1	PITS			-	-	-	
X10	DUMPS, MINE SPOIL								
X15	UDORTHENTS-URBAN LAND COMPLEX, 0 TO 25 PERCENT SLOPES	1	UDORTHENTS			-	-	-	
X20	SLICKENS	1	SLICKENS			-	-	-	

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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.