

HIGHLY ERODIBLE LAND REPORT
 JANUARY, 1990

Survey Area- ROANOKE COUNTY AND THE CITIES OF ROANOKE AND SALEM, VIRGINIA

Map Symbol	Mapunit Name	Seq. Num.	Component Name	Cap. Subcl.	Prime Farm	HEL Soil	K Fact.	T Fact.
2A	MILLROCK LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES	1	MILLROCK			NHEL	.17	4
3A	POPE FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	1	POPE			NHEL	.28	5
5A	LOBDELL FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	1	LOBDELL			NHEL	.37	5
7B	COTACO LOAM, 2 TO 7 PERCENT SLOPES	1	COTACO			PHEL	.37	3
7C	COTACO LOAM, 7 TO 15 PERCENT SLOPES	1	COTACO			HEL	.37	3
8A	MELVIN SILT LOAM, 0 TO 2 PERCENT SLOPES	1	MELVIN			NHEL	.43	5
9	PITS, QUARIES SILT LOAM, 0 TO 2 PERCENT SLOPES	1	PITS			NHEL	.43	5
11B	GRIMSLEY COBBLY LOAM, 2 TO 7 PERCENT SLOPES	1	GRIMSLEY			PHEL	.2	4
11C	GRIMSLEY COBBLY LOAM, 7 TO 15 PERCENT SLOPES	1	GRIMSLEY			PHEL	.2	4
12B	SHELOCTA SILT LOAM, 2 TO 7 PERCENT SLOPES	1	SHELOCTA			PEHL	.32	4
12C	SHELOCTA SILT LOAM, 7 TO 15 PERCENT SLOPES	1	SHELOCTA			HEL	.32	4
12D	SHELOCTA SILT LOAM, 15 TO 25 PERCENT SLOPES	1	SHELOCTA			HEL	.32	4
13A	POPE GRAVELLY FINE LOAM SANDY, 0 TO 2 PERCENT SLOPES	1	POPE			NHEL	.28	5
14B	SHELOCTA VARIANT SILT LOAM, 2 TO 7 PERCENT SLOPES	1	SHELOCTA			PHEL	.32	4
14C	SHELOCTA VARIANT SILT LOAM, 7 TO 15 PERCENT SLOPES	1	SHELOCTA			HEL	.32	4
16A	CHAGRIN LOAM, 0 TO 2 PERCENT SLOPES	1	CHAGRAN			NHEL	.32	5
24B	FREDERICK SILT LOAM, 2 TO 7 PERCENT SLOPES	1	FREDERICK			PHEL	.32	4
24C	FREDERICK SILT LOAM, 7 TO 15 PERCENT SLOPES	1	FREDERICK			PHEL	.32	4
24D	FREDERICK SILT LOAM, 15 TO 25 PERCENT SLOPES	1	FREDERICK			PHEL	.32	4
29C	HAGERSTOWN SILT LOAM VERY ROCKY, 2 TO 15 PERCENT SLOPES	1	HAGERSTOWN			PHEL	.32	4
29E	HAGERSTOWN SILT LOAM VERY ROCKY, 15 TO 45 PERCENT SLOPES	1	HAGERSTOWN			HEL	.32	4
30B	GROSECLOSE SILT LOAM, 2 TO 7 PERCENT SLOPES	1	GROSECLOSE			PHEL	.43	4
30C	GROSECLOSE SILT LOAM, 7 TO 15 PERCENT SLOPES	1	GROSECLOSE			HEL	.43	4
30D	GROSECLOSE SILT LOAM, 15 TO 35 PERCENT SLOPES	1	GROSECLOSE			HEL	.43	4
35C	WEIKERT-BERKS COMPLEX, 7 TO 15 PERCENT SLOPES	1	WEIKERT			HEL	.2	2
35E	WEIKERT-BERKS COMPLEX, 15 TO 45 PERCENT SLOPES	1	WEIKERT			HEL	.2	2
35F	WEIKERT-ROCK OUTCROP COMPLEX, 45 TO 75 PERCENT SLOPES	1	WEIKERT			HEL	.2	2
36E	OPEQUON-ROCK OUTCROP COMPLEX, 15 TO 35 PERCENT SLOPES	1	OPEQUON			HEL	.37	1
42C	CHISWELL-LITZ COMPLEX, 7 TO 15 PERCENT SLOPES	1	CHISWELL			HEL	.37	2
42D	CHISWELL-LITZ COMPLEX, 15 TO 35 PERCENT SLOPES	1	CHISWELL			HEL	.37	2
42E	CHISWELL-LITZ COMPLEX, 35 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 25 PERCENT SLOPES	1	GROSECLOSE			HEL	.43	4
43E	GROSECLOSE-LITZ COMPLEX, 25 TO 35 PERCENT SLOPES	1	GROSECLOSE			HEL	.43	4
48C	WALLEN CHANNERY SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	WALLEN			HEL	.24	2
48D	WALLEN CHANNERY SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	WALLEN			HEL	.24	2
51B	SHOTTOWER LOAM, 2 TO 7 PERCENT SLOPES	1	SHOTTOWER			PHEL	.32	5
51C	SHOTTOWER LOAM, 7 TO 15 PERCENT SLOPES	1	SHOTTOWER			PHEL	.32	5
52C	WALLEN SANDY LOAM VERY STONY, 7 TO 15 PERCENT SLOPES	1	WALLEN			HEL	.17	2
52D	WALLEN SANDY LOAM VERY STONY, 15 TO 35 PERCENT SLOPES	1	WALLEN			HEL	.17	2
52E	WALLEN SANDY LOAM VERY STONY, 35 TO 60 PERCENT SLOPES	1	WALLEN			HEL	.17	2
52F	WALLEN SANDY LOAM VERY STONY, 60 TO 80 PERCENT SLOPES	1	WALLEN			HEL	.17	2
54B	ALLEGHENY LOAM, 2 TO 7 PERCENT SLOPES	1	ALLEGHENY			PHEL	.32	4
54C	ALLEGHENY LOAM, 7 TO 15 PERCENT SLOPES	1	ALLEGHENY			PHEL	.32	4
55A	ZOAR SILT LOAM, 0 TO 2 PERCENT SLOPES	1	ZOAR			NHEL	.43	3
55B	ZOAR SILT LOAM, 2 TO 7 PERCENT SLOPES	1	ZOAR			NHEL	.43	3
56E	SYLVATUS VERY GRAVELLY SILT LOAM, 35 TO 60 PERCENT SLOPES	1	SYLVATUS			HEL	.15	1
56F	SYLVATUS VERY GRAVELLY SILT LOAM, 60 TO 75 PERCENT SLOPES	1	SYLVATUS			HEL	.15	1
58E	ASHE VARIANT GRAVELLY LOAM, 25 TO 60 PERCENT SLOPES	1	ASHE			HEL	.17	2

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58F	ASHE VARIANT GRAVELLY LOAM, 60 TO 75 PERCENT SLOPES	1	ASHE			HEL	.17	2
60B	THURMONT LOAM, 2 TO 7 PERCENT SLOPES	1	THURMONT			PHEL	.32	4
60C	THURMONT LOAM, 7 TO 15 PERCENT SLOPES	1	THURMONT			HEL	.32	4
60D	THURMONT LOAM, 15 TO 25 PERCENT SLOPES	1	THURMONT			HEL	.32	4
61A	WHEELING LOAM, 0 TO 2 PERCENT SLOPES	1	WHEELING			NHEL	.37	4
61B	WHEELING LOAM, 2 TO 7 PERCENT SLOPES	1	WHEELING			NHEL	.37	4
64E	HAYESVILLE LOAM VERY STONY CHANNERY FINE SANDY, 25 TO 55 PERCENT SLOPES	1	HAYESVILLE			HEL	.24	4
65C	HAYESVILLE LOAM CHANNERY FINE SANDY, 7 TO 15 PERCENT SLOPES	1	HAYESVILLE			PHEL	.24	4
65D	HAYESVILLE LOAM CHANNERY FINE SANDY, 15 TO 25 PERCENT SLOPES	1	HAYESVILLE			HEL	.24	4
66C	HAYESVILLE FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	HAYESVILLE			?	.20	5
66D	HAYESVILLE FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	HAYESVILLE			?	.20	5
67C	SEQUOIA SILT LOAM, 7 TO 15 PERCENT SLOPES	1	SEQUOIA			HEL	.37	3
67D	SEQUOIA SILT LOAM, 15 TO 25 PERCENT SLOPES	1	SEQUOIA			HEL	.37	3
67E	SEQUOIA SILT LOAM, 25 TO 40 PERCENT SLOPES	1	SEQUOIA			HEL	.37	3
70B	TUMBLING LOAM, 2 TO 7 PERCENT SLOPES	1	TUMBLING			PHEL	.32	5
70C	TUMBLING LOAM, 7 TO 15 PERCENT SLOPES	1	TUMBLING			PHEL	.32	5
70D	TUMBLING LOAM, 15 TO 25 PERCENT SLOPES	1	TUMBLING			HEL	.32	5
72C	TUMBLING LOAM VERY STONY, 7 TO 15 PERCENT SLOPES	1	TUMBLING			PHEL	.24	5
72D	TUMBLING LOAM VERY STONY, 15 TO 25 PERCENT SLOPES	1	TUMBLING			HEL	.24	5
72E	TUMBLING LOAM VERY STONY, 25 TO 55 PERCENT SLOPES	1	TUMBLING			HEL	.24	5
78C	DANDRIDGE ROCKY LOAM SILTY CLAY, 7 TO 15 PERCENT SLOPES	1	DANDRIDGE				.24	1
78E	DANDRIDGE ROCKY LOAM SILTY CLAY, 15 TO 35 PERCENT SLOPES	1	DANDRIDGE				.24	1
79C	DANDRIDGE LOAM SILTY CLAY, 7 TO 15 PERCENT SLOPES	1	DANDRIDGE				.24	1
79D	DANDRIDGE LOAM SILTY CLAY, 15 TO 25 PERCENT SLOPES	1	DANDRIDGE				.24	1
83C	SHOTTOWER COBBLY LOAM, 7 TO 15 PERCENT SLOPES	1	SHOTTOWER			PHEL	.24	5
83D	SHOTTOWER COBBLY LOAM, 15 TO 25 PERCENT SLOPES	1	SHOTTOWER			HEL	.24	5
84D	EDNEYVILLE FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	EDNEYVILLE				.24	4
84E	EDNEYVILLE FINE SANDY LOAM, 25 TO 60 PERCENT SLOPES	1	EDNEYVILLE				.24	4
87C	EVARD FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	EVARD				.24	5
87D	EVARD FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	EVARD				.24	5
87E	EVARD FINE SANDY LOAM, 25 TO 60 PERCENT SLOPES	1	EVARD				.24	5
88E	EVARD EXTREMELY STONY FINE SANDY LOAM, 25 TO 60 PERCENT SLOPES	1	EVARD				.17	4
89E	EDNEYVILLE EXTREMELY STONY FINE SANDY LOAM, 25 TO 60 PERCENT SLOPES	1	EVARD				.17	4
92(90)	UDORTHENTS URBAN LAND COMPLEX	1	UDORTHENTS			NHEL		
93D	FREDERICK URBAN LAND COMPLEX, 2 TO 15 PERCENT SLOPES	1	FREDERICK			PHEL	.32	4
94C	TUMBLING URBAN LAND COMPLEX, 2 TO 15 PERCENT SLOPES	1	TUMBLING			PHEL	.32	5
94D	TUMBLING URBAN LAND COMPLEX, 15 TO 25 PERCENT SLOPES	1	TUMBLING			HEL	.32	5
96C	SHOTTOWER URBAN LAND COMPLEX, 2 TO 15 PERCENT SLOPES	1	SHOTTOWER			PHEL	.32	5
96D	SHOTTOWER URBAN LAND COMPLEX, 15 TO 25 PERCENT SLOPES	1	SHOTTOWER			HEL	.32	5
97C	CHISWELL LITZ URBAN LAND COMPLEX, 2 TO 15 PERCENT SLOPE	1	CHISWELL			PHEL	.37	2
97D	CHISWELL LITZ URBAN LAND COMPLEX, 15 TO 30 PERCENT SLOPE	1	CHISWELL			HEL	.37	2
98C	HAYESVILLE URBAN LAND COMPLEX, 2 TO 15 PERCENT SLOPES	1	HAYESVILLE			PHEL	.10	5

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98D	HAYESVILLE URBAN LAND COMPLEX, 15 TO 25 PERCENT SLOPES	1	HAYESVILLE			PHEL	.10	5
115C	LAIDIG FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	LAIDIG			PHEL	.24	4
115D	LAIDIG FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	1	LAIDIG			HEL	.24	4
124C	FREDERICK SILT LOAM VERY GRAVELLY, 7 TO 15 PERCENT SLOPES	1	FREDERICK			PHEL	.28	4
124D	FREDERICK SILT LOAM VERY GRAVELLY, 15 TO 25 PERCENT SLOPES	1	FREDERICK			HEL	.28	4
135C	GILPIN SILT LOAM, 7 TO 15 PERCENT SLOPES	1	GILPIN			HEL	.32	3
135D	GILPIN SILT LOAM, 15 TO 25 PERCENT SLOPES	1	GILPIN			HEL	.32	3
150D	CRAIGSVILLE COBBLY LOAM, 0 TO 4 PERCENT SLOPES	1	CRAIGSVILLE			NHEL	.17	3
152F	WALLEN ROCK OUTCROP COMPLEX, 25 TO 80 PERCENT SLOPES	1	WALLEN			HEL	.17	2
178C	CHILHOWIE SILTY CLAY, 7 TO 15 PERCENT SLOPES	1	CHILHOWIE			HEL	.28	2
178D	CHILHOWIE SILTY CLAY, 15 TO 25 PERCENT SLOPES	1	CHILHOWIE			HEL	.28	2
195C	CHILHOWIE SILTY CLAY ROCKY, 7 TO 15 PERCENT SLOPES	1	CHILHOWIE			HEL	.28	2
195D	CHILHOWIE SILTY CLAY ROCKY, 15 TO 25 PERCENT SLOPES	1	CHILHOWIE			HEL	.28	2
195E	CHILHOWIE SILTY CLAY ROCKY, 25 TO 35 PERCENT SLOPES	1	CHILHOWIE			HEL	.28	2
214A	PURDY SILT LOAM, 0 TO 4 PERCENT SLOPES	1	PURDY			PHEL	.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.