THE UNIVERSAL SOIL LOSS EQUATION WITH FACTOR VALUES FOR NORTH CAROLINA

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THE UNIVERSAL SOIL LOSS EQUATION

WITH

FACTOR VALUES FOR NORTH CAROLINA

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PURPOSE OF HANDBOOK

Decision-making in soil and water conservation planning requires knowledge of the relations between those complex factors that cause soil erosion and those that help to reduce soil losses. Special studies on field plots and small watersheds have supplied much valuable information regarding these complex factor interrelations. Benefits from such research used together with specified soil loss tolerance limits can provide guidelines or various combinations of crop systems, management and erosion control practices that meet the prescribed needs on the numerous farms and other erosion prone areas. This handbook provides the specific guidelines needed for selecting the control practices best suited to the particular needs of each site.

EROSION PROCESSES

Land surfaces erode by normal geological processes. Natural soil erosion and sedimentation proceed at a slow rate. The effects of this natural process can be observed in the earth's landscape; some we consider picturesque, while others such as gullied fields, muddy streams, and mud-filled lakes are unsightly. Normal erosion processes are greatly accelerated by man's activities. Initially, soil erosion was considered the farmer's problem. Urban growth and the capability for massive reshaping land has created serious erosion and sediment hazards not related to agriculture. Sediment, the product of erosion, is the greatest pollutant by volume of surface water. In some watersheds, sediment from non-agricultural sources exceeds that from cropland.

To successfully control a process, it must be understood, and the factors that influence the effect of the process identifed and values determined. Since 1929 soil conservation scientists working in the field and on research stations have been collecting data and evaluating methods to predict rainfall-erosion losses.

The soil erosion process by water involves three steps:

1. Detachment from the soil mass by raindrop impact and runoff shear forces.

2. Transportation downslope by raindrop splash and runoff.

3. Deposition is a selective process with the largest and densest particles settling first, and the finer particles carried further downslope or downstream.

HISTORY OF SOIL LOSS EQUATION

Development of soil-loss estimating procedures have been in progress since the early 1940's. The Agricultural Research Service (ARS), now Science and Education Administration (SEA), assembled all available data on rainfall,

runoff, and soil loss at the Runoff and Soil Loss Data Laboratory, Lafayette, Indiana, in 1954. Analyses of about 10,000 plot years of data from 48 locations in 26 states were made to evaluate soil erosion rates on sloping land. From these analyses, six erosion-influencing factors were incorporated into a new soil-loss equation. Because of its applicability to local climatic conditions, a quantitative soil erodibility factor, a method of accounting for cropland management, crop sequence, productivity level, and residue management, it is called the "Universal" Soil Loss Equation (USLE).

SOIL LOSS TOLERANCES

The term "soil loss tolerance" (T) denotes the maximum average annual rate in tons per acre of soil erosion that will permit a high level of crop productivity to be sustained economically and indefinitely.

The major purpose of the soil loss equation is to guide methodical decision-making in conservation planning on a particular site. The equation predicts the long term average soil loss from sheet and rill erosion on given field slopes under specific land use and management. When these predicted losses can be compared with a soil loss tolerance (T) for that site, they provide specific guidelines for affecting erosion control within the specific limits. Any cropping and management combination for which the predicted erosion rate is less than the tolerance (T) may be expected to provide satisfactory erosion control. From the satisfactory alternatives indicated by this procedure, the one best suited to a particular farm or other enterprise may then be selected.

Soil loss tolerances (T) ranging from one to five tons per acre per year for the soils of the United States were derived by soil scientists, agronomists, geologists, soil conservationists, and federal and state research leaders.

A few soils with deep favorable root zones may exceed a "T" of five tons per acre per year without loss of sustained productivity. T values listed on Table 2 range from one to five tons per acre per year. The T/K values are also listed (T divided by K) to facilitate use of some soil loss prediction slide rules.

Soil loss limits are sometimes established primarily for water quality control. The criteria for defining field soil loss limits for this purpose are <u>not</u> the same as those for tolerances designed to preserve cropland productivity.

SOIL LOSS EQUATION

The USLE is an erosion model designed to predict the longtime average soil losses in runoff from specific field areas in specified cropping and management systems. Widespread field use has substantiated its usefulness and validity for this purpose. It is also applicable for such nonagricultural conditions such as construction sites. Soil losses must be distinguished from field sediment yield because not all of the sediment produced on the slopes leaves the field. A field's sediment yield is the sum of the soil losses minus deposition in depressions within the field, at the toe of slopes, along field boundaries, and in terrace or diversion channels. The equation does not account for this deposition.

The Universal Soil Loss Equation is: A = RKLSCP. Where,

A, is the computed soil loss (sheet and rill erosion) per unit area, expressed in the units selected for K and for the period selected for R. In practice, these are usually so selected that they compute A in tons per acre per year, but other units can be selected.

R, the rainfall and runoff factor, is the number of rainfall erosion index units in a normal year's rain. *

K, the soil erodibility factor, is the soil loss rate per erosion index unit for a specified soil as measured on a unit plot, which is defined as a 72.6-ft. length of uniform 9-percent slope continuously in clean-tilled fallow. *

L, the slope-length factor, is the ratio of soil loss from the field slope length so that from a 72.6-ft. length under identical conditions.

S, the slope-steepness factor, is the ratio of soil loss from the field slope gradient to that from a 9-percent slope under otherwise identical conditions.

C, the cover and management factor, is the ratio of soil loss from an area with specified cover and management to that from an identical area in tilled continuous fallow.

P, the support practice factor, is the ratio of soil loss with a support practice like contouring, stripcropping, or terracing to that with straight-row farming up and down the slope.

*The erosion index values in Figure 1 and the EI values used in the text have the dimension 100 (foot-ton inch)/(acre-hour). K values in Table 2 and Figure 2 are in tons per acre per EI unit and have the dimensions .01 (ton acre hour/(acre foot-ton inch).

RAINFALL FACTOR (R)

The energy of raindrops and flowing water detaches and transports soil materials. ARS scientists found that rainfall energy (expressed in foot-tons per acre inch) alone did not correlate well enough with soil loss to be a satisfactory measure of the potential of rainfall to cause erosion. After analyses of many rainfall characteristics and interaction effects, the scientists found that total energy times its maximum 30-minute intensity (E-I values) is the truest indicator yet developed to measure the potential of rainfall to cause erosion from cultivated fallow soil. The research data show that when factors other than rainfall are held constant, storm losses from cultivated fields are directly proportional to the product value of the two rainstorm characteristics. The EI has been computed using recorded rain gauge records for a continuous period of 22 years. When all the storm indexes for a locality are added together and divided by the years of record, an average annual erosion index emerges. This annual index serves as the rainfall factor (R) to use in the equation. Figure 1 is the iso-erodent map of North Carolina. Iso-erodents are lines joining areas with equal erosion index values. To facilitate field use of the equation, R values were assigned to counties in Table 1 by interpolation between the iso-erodents in Figure 1.

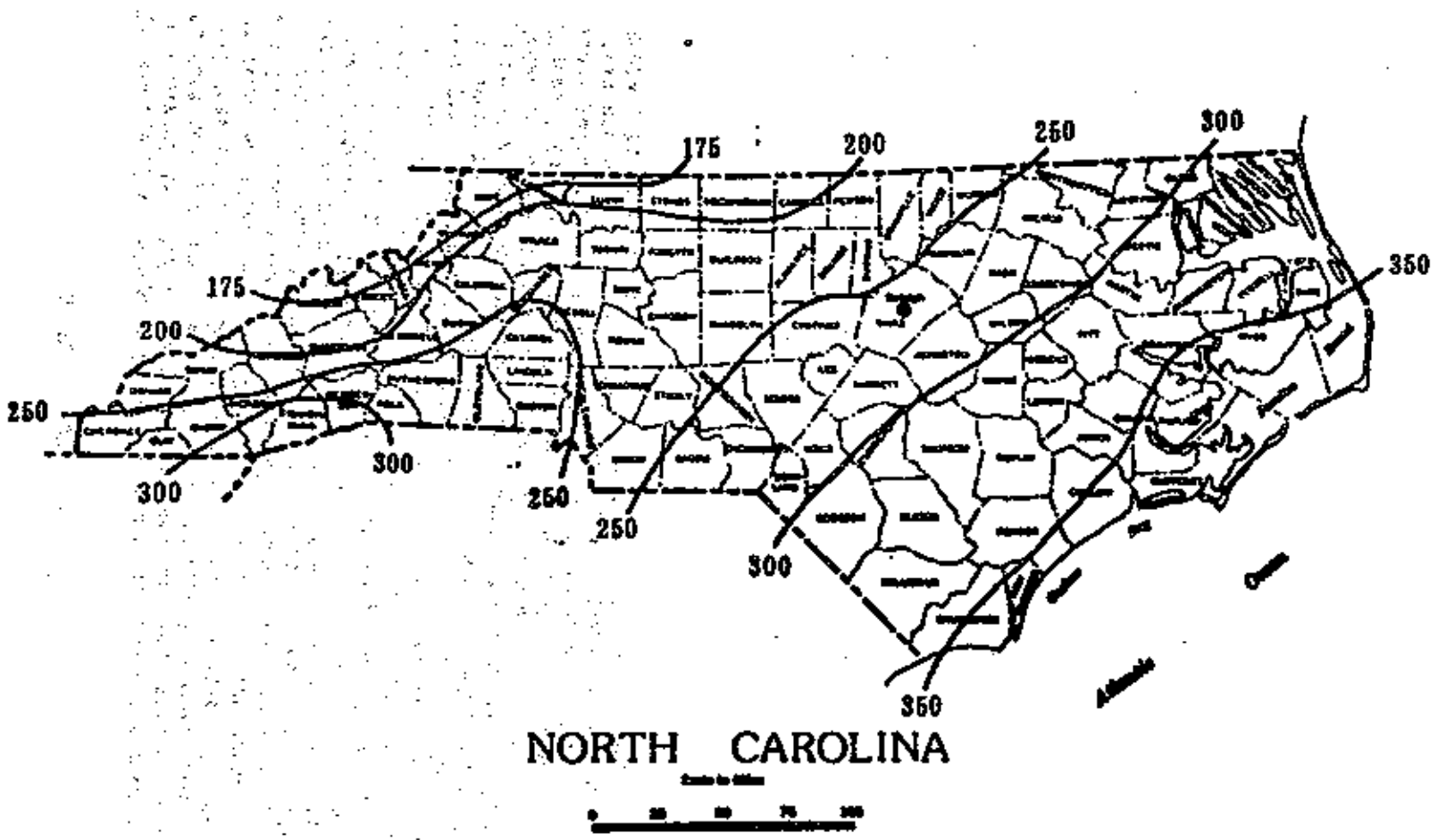


Figure 1. Average Annual Values of the Factor R

TABLE 1 - "R" VALUES BY COUNTIES FROM FIGURE 1

Alamance	230	Forsyth	210	Onslow	350
Alexander	230	Franklin	260	Orange	240
Alleghany	180	Gaston	260	Pamlico	350
Anson	260	Gates	300	Pasquotank	320
Ashe	180	Graham	240	Pender	360
Avery	190	Granville	240	Perquimans	320
Beaufort	350	Greene	310	Person	220
Bertie	310	Guilford	220	Pitt	320
Bladen	320	Halifax	250	Polk	270
Brunswick	350	Harnett	280	Randolph	240
Buncombe	200	Haywood	200	Richmond	270
Burke	250	Henderson	300	Robeson	310
Cabarrus	250	Hertford	290	Rockingham	190
Caldwell	230	Hoke	290	Rowan	240
Camden	320	Hyde	350	Rutherford	270
Carteret	350	Iredell	240	Sampson	320
Caswell	200	Jackson	290	Scotland	290
Catawba	260	Johnston	290	Stanly	250
Chatham	260	Jones	340	Stokes	190
Cherokee	260	Lee	270	Surry	200
Chowan	320	Lenoir	330	Swain	230
Clay	270	Lincoln	260	Transylvania	300
Cleveland	270	McDowell	230	Tyrrell	340
Columbus	330	Macon	290	Union	250
Craven	350	Madison	170	Vance	240
Cumberland	300	Martin	310	Wake	270
Currituck	320	Mecklenburg	250	Warren	250
Dare	350	Mitchell	170	Washington	330
Davidson	240	Montgomery	260	Watauga	200
Davie	230	Moore	260	Wayne	310
Duplin	330	Nash	280	Wilkes	220
Durham	240	New Hanover	350	Wilson	290
Edgecombe	290	Northampton	270	Yadkin	210
				Yancey	180

SOIL ERODIBILITY FACTOR (K)

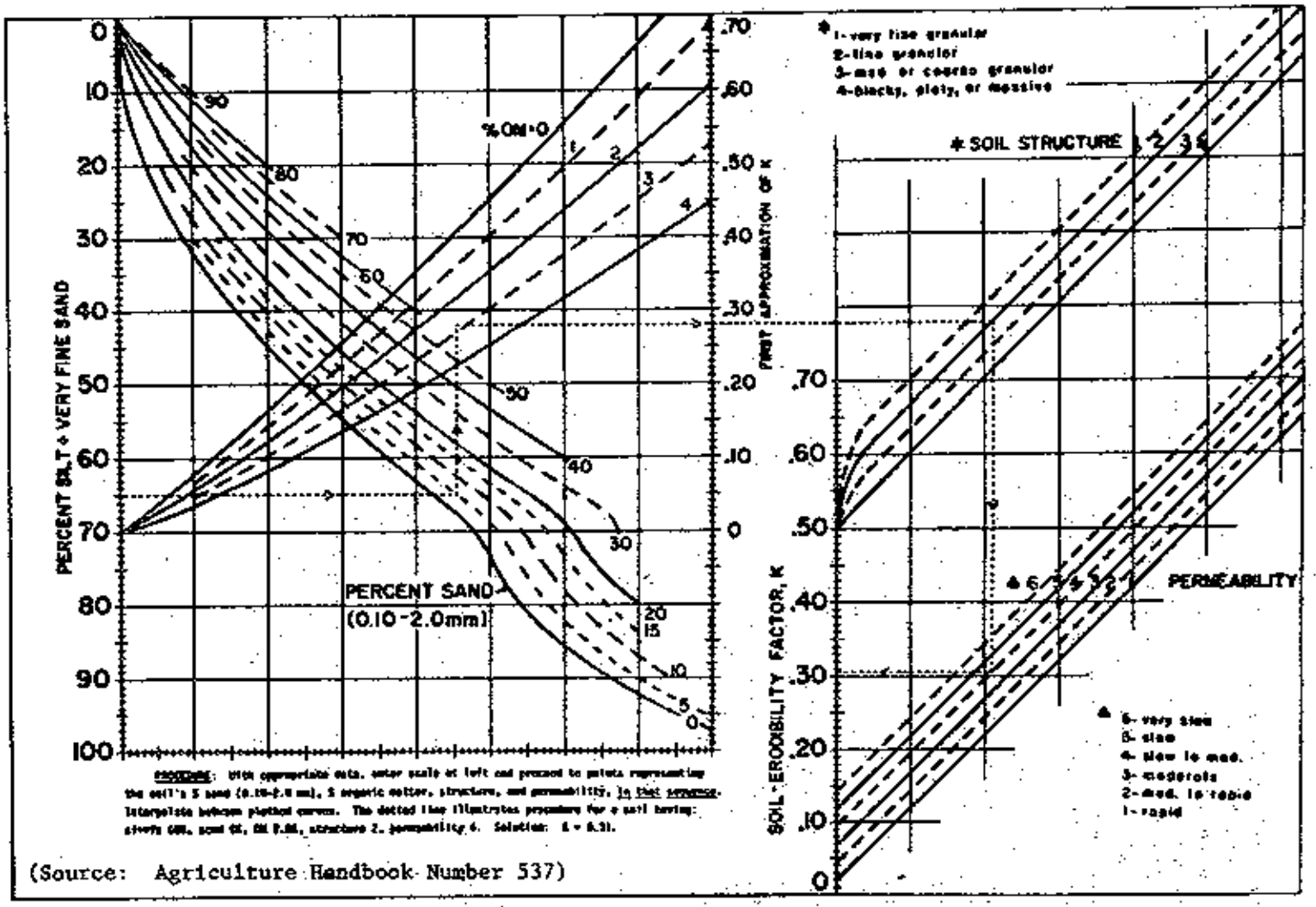
The soil erodibility factor is a measureof the susceptability to erosion for a given soil by raindrop splash and runoff shear forces. Some soils erode more readily than others when slope, rainfall, cover and management are the same; this difference is referred to as the soil erodibility. The K factor value is usually expressed in tons per acre per EI unit. The initial K values were determined on unit plots 72.6 feet long with a uniform slope of nine percent in continuous fallow tilled up and down the slope.

Soil properties that influence erodibility are (1) those that affect the infiltration rate, permeability, and total water capacity and (2) those that resist the dispersion, splashing, abrasion and transportation forces of the rainfall and runoff.

When the physical and chemical characteristics change for different depths of a soil profile, the K factor usually changes also. Soils in North Carolina that have been assigned K values are listed in Table 2. These K values are based on the typical soil characteristics that are in the standard description. Those soil phases with fragments have adjusted values. The K factor for the surface layer is normally used when estimating soil losses on agricultural land. K values of the surface layer of North Carolina soils range from .05 to .49.

The applicable K factor on construction sites is the one for the soil horizon exposed at the surface after completion of the grading. If the soil in compacted fills is a mixture from several layers, the K value for the soil layer that is most erodible in its natural state should be used.

When soil erodibility values are unavailable for a given site, soil or subsoil, they may be estimated using the soil erodibility nomograph. This nomograph shown in Figure 2 was developed at the ARS Runoff and Soil Loss Data Center. Five soil parameters are needed for this purpose: percent silt plus very fine sand, percent sand greater than 0.10 millimeters, organic matter content, structure and permeability. Values of the parameter may be obtained from soil profile descriptions, laboratory determinations or soil scientists. The nomograph is less accurate for high clay and sandy loams than for the intermediate range of medium textured soils.



(Source: Agriculture Handbook Number 537)

FIGURE 2. SOIL-ERODIBILITY NOMOGRAPH

Legend for Abbreviations

Texture modifier:

BY Bouldery
BYV Very bouldery
BYX Extremely bouldery
CB Cobbly
CBA Angular cobbly
CBV Very cobbly
CBX Extremely cobbly
CN Channery
CNV Very channery
CNX Extremely channery
CR Cherty
CRV Very cherty
CRX Extremely cherty
FL Flaggy
FLX Extremely flaggy
FLV Very flaggy
GR Gravelly
GRC Coarse gravelly
GRV Very gravelly
GRX Extremely gravelly
MK Mucky
PT Peaty
RB Rubbly
SH Shaly
SHX Extremely shaly
SR Stratified
ST Stony
STV Very stony
STX Extremely stony
SY Slaty
SYV Very slaty
SYX Extremely slaty

Texture terms:

COS Coarse sand
S Sand
FS Fine sand
VFS Very fine sand
LCOS Loamy coarse sand
LS Loamy sand
LFS Loamy fine sand
LVFS Loamy very fine sand
COSL Coarse sandy loam
SL Sandy loam
FSL Fine sandy loam
L Loam
SIL Silt loam
SI Silt
SCL Sandy clay loam
CL Clay loam
SICL Silty clay loam
SC Sandy clay
C Clay

Terms used in lieu of texture

CE Coprogenous earth
CEM Cemented
CIND Cinders
DE Diotomaceous earth
FB Fibric material
FRAG Fragmental material
G Gravel
GYP Gypsiferous material
HM Hemic material
ICE Ice or frozen soil
IND Indurated
MPT Mucky-peat
MUCK Muck
PEAT Peat
SG Sand and gravel
SP Sapric material
UWB Unweathered bedrock
VAR Variable

Hydrologic soil groups: A group of soils having the same runoff potential under similar storm and cover conditions. Soil properties that influence runoff potential are those that influence the minimum rate of infiltration for a bare soil after prolonged wetting and when not frozen. The soils in the U.S. and Caribbean area are placed into four groups A, B, C, and D and three dual classes, A/D, B/D, and C/D. In the definitions of the classes, infiltration rate is the rate at which water enters the soil at the surface and which is controlled by the surface conditions. Transmission rate is the rate at which water moves in the soil and which is controlled by the horizons. Definitions of the classes are as follows:

A. (Low runoff potential). Soils having high infiltration rates even when thoroughly wetted. These soils have a high rate of water transmission.

B. Soils having moderate infiltration rates when thoroughly wetted. These soils have a moderate rate of water transmittion.

C. Soils having slow infiltration rates when thoroughly wetted. These soils have a slow rate of water transmission.

D. (High runoff potential). Soils having very slow infiltration rates when throughly wetted. These soils have a very slow rate of water transmission.

Dual hydrologic groups, A/D, B/D, and C/D are given for certain wet soils that can be adequately drained. The first letter applies tothe drained condition. The second to the undrained. Only soils that are rated D in their natural condition are to be assigned to dual classes. Soils may be assigned to dual groups where drainage is feasible and practical.

EROSION FACTORS, WIND ERODIBILITY, AND HYDROLOGIC GROUP
FOR THE STATE OF NORTH CAROLINA

SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	EROSION FACTORS T	WIND ERODIBILITY GROUP (WEG)	WIND ERODIBILITY INDEX (I)	HYDROLOGIC GROUP
ACREDALE	VA0160	0 -7	SIL, L, VFSL	.37	3	-	-	D
		7 -15	SIL, L	.37				
		15-43	SIL, SICL	.37				
		43-66	SL, LS, S	.24				
AILEY	GA0042	0 -24	LCOS, LS	.15	4	2	-	B
		0 -24	S, COS	.10	4	1	-	
		24-38	SL, SCL	.24				
		38-50	SL, SCL	-				
		50-72	COSL, SL, SCL	.15				
ALAGA	AL0038	0 -6	LS, LFS	.10	5	2	134	A
		0 -6	S, FS	.10	5	1		
		6 -60	LS, LFS, FS	.10				
ALAGA, MODERATELY WET	AL0100	0 -9	LS, LFS	.10	5	2	134	A
		0 -9	S, FS	.10	5	1		
		9 -60	LS, LFS, FS	.10				
ALAMANCE	SC0012	0 -11	L, SIL, VFSL	.43	4	5	56	B
		0 -11	GR-L, GR-SIL, GR-VFSL	.28	4	6	-	
		11-35	CL, SICL, SIL	.43				
		35-46	L, SIL, VFSL	.43				
		46-64	VFSL, SIL, L	.32				
		64-80	VAR					
ALAMANCE VARIANT	NC0212	0 -6	GR-L	.28	3	6	-	B
		8 -27	CL, SICL, SIL	.43				
		27-46	L, SIL, VFSL	.43				
		46-60	WB					
ALPIN	FL0002	0 -3	FS, S, LS	.10	5	2	134	A
		3 -54	FS, S	.10				
		54-99	FS, S	.10				
ALPIN, OCCASIONALLY FLOODED	FL0399	0 -4	FS, S, LS	.10	5	2	134	A
		4 -54	FS, S	.10				
		54-99	FS, S	.10				
ALTAVISTA	NC0054	0 -12	LS, LFS	.17	5	2	134	C
		0 -12	FSL, L, SL	.24	5	3	86	
		0 -12	SIL, VFSL	.32	5	5	56	
		12-42	CL, SCL, L	.24				
		42-60	VAR					
APPLING	NC0032	0 -9	FSL, SL, LS	.24	4	3	86	B
		0 -9	GR-SL, GR-SCL	.15	4	3	86	
		0 -9	SCL, CL	.28	3	5	56	
		9 -35	SC, CL, C	.28				
		35-46	SC, CL, SCL	.28				
		46-65	VAR					

EROSION FACTORS, WIND ERODIBILITY, AND HYDROLOGIC GROUP
FOR THE STATE OF NORTH CAROLINA

SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	EROSION FACTORS T	WIND ERODIBILITY GROUP WEG	WIND ERODIBILITY INDEX	HYDROLOGIC GROUP
ARAPAHOE	NC0110	0 -17	LFS, LS	.15	5	2	134	B/D
		0 -17	FSL, L, SL	.15	5	3	86	
		0 -17	MK-SL, MK-L, MK-FSL	.15	5	3	86	
		17-42	FSL, L, SL	.15				
		42-80	SR-S-LFS	.10				
ARGENT	SC0019	0 -5	SL, FSL	.24	5	3	86	D
		0 -5	L, CL	.24	5	4	48	
		0 -5	SIL, SICL	.32	5	7	38	
		5 -64	C, SC, SIC	.32				
		64-76	SCL, CL, SICL	.32				
		76-80	VAR					
ARKAQUA	GA0075	0 -9	SIL, L, FSL	.24	4	5	56	C
		9 -30	CL, SIL, FSL	.20				
		30-46	SIL, SCL, L	.28				
		46-72	VAR					
ARNOHEA	SC0007	0 -7	L, SIL	.37	5	6	40	D
		0 -7	SL	.24	5	3	86	
		0 -7	CL	.28	5	6	48	
		7 -20	SL, SCL, CL	.28				
		20-48	C, SIC, CL	.20				
		48-80	SL, SCL, CL	.26				
ASHE	NC0019	0 -7	L, SL, FSL	.24	2	5	56	B
		0 -7	GR-L, GR-SL, GR-FSL	.17	2	5	56	
		7 -25	L, SL, FSL	.37				
		25-30	GR-SL, GS-SL, SL	.37				
		30	UWB					
ASHE, VERY STONY	NC0188	0 -7	STV-L, STV-SL, STV-FSL	.15	2	8	-	B
		0 -7	ST-L, ST-SL, ST-FSL	.17	2	8	-	
		7 -25	L, SL, FSL	.17				
		25-30	SL	.17				
		30	UWB					
ASHLAR	VA0008	0 -18	SL, FSL	.24	2	-	-	B
		0 -18	GR-SL, GR-FSL	.17	2	3	86	
		18-34	SL, FSL, GR-SL	.24				
		34-38	UWB					
AUGUSTA	GA0056	0 -9	LS, LFS	.17	5	-	-	C
		0 -9	SL, FSL	.20	4	-	-	
		0 -9	SIL, L	.24	4	-	-	
		9 -60	SCL, CL, L	.24				
		60-70	VAR					

EROSION FACTORS, WIND ERODIBILITY, AND HYDROLOGIC GROUP
FOR THE STATE OF NORTH CAROLINA

SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	EROSION FACTORS T	WIND ERODIBILITY GROUP WEG	WIND ERODIBILITY INDEX I	HYDROLOGIC GROUP
AUTRYVILLE	NC0113	0 -26	S, LS, LFS	.10	5	2	-	A
		26-41	SL, SCL, FSL	.10				
		41-58	S, LS, LFS	.10				
		58-85	SL, SCL, FSL	.17				
AVERY (INACTIVE-USE EDNEYVILLE)								
AXIS	AL0093	0 -7	MK-SL, MK-SCL	.24	5	-	-	D
		0 -7	SL, FSL, VFSL	.24	5	-	-	
		0 -7	L, SIL	.37	5	-	-	
		7 -40	SL, L, SIL	.10				
		40-72	SL, L, SCL	.10				
AYCOCK	NC0060	0 -12	VFSL, L, SIL	.37	5	3	86	B
		12-80	CL, SICL, L	.43				
AYERSVILLE	NC0135	0 -8	L, SIL, SICL	.32	2	5	56	B
		0 -8	GR-L, GR-SIL, GR-SICL	.20	2	5	56	
		8 -22	GR-SIL, GR-L, L	.20				
		22-26	GR-SIL, GR-L, GRV-SIL	.20				
		26-30	WB					
		30	UWB					
BACKBAY	VA0170	0 -11	PEAT, MPT	-	5	-	-	D
		11-22	SL, L, SIL	.20				
		22-60	SR-SL-SICL	.20				
BADIN	NC0249	0 -6	SIL, L	.32	2	5	56	B
		0 -6	SICL	.20	2	7	38	
		6 -25	SIC, SICL, CN-SICL	.24				
		25-40	WB					
		40	UWB					
BADIN, CHANNERY	NC0126	0 -8	CN-SIL, CN-VFSL, CN-L	.15	2	5	56	B
		0 -6	CN-SICL	.24	2	7	38	
		6 -25	SIC, SICL, CN-SICL	.24				
		25-40	WB					
		40	UWB					
BALLANTACK	NC0010	0 -9	FSL, SL, L	.10	5	-	-	D
		0 -9	MK-FSL, MK-SL, MK-L	.10	5	-	-	
		9 -35	SCL, L	.10				
		35-74	SR-S-SC	.37				
BALSAM	NC0234	0 -13	ST-SL, CB-L, CB-FSL	.10	5	0	-	B
		0 -13	STV-SL, STV-FSL, CBV-SL	.05	5	0	-	
		0 -13	STX-SL, STX-FSL, CBX-SL	.02	5	0	-	
		13-22	CBV-SL, STV-SL, CBV-L	.05				
		22-48	CBV-FSL, STV-L, STV-FSL	.05				
		48-60	CBV-SL, STV-COSL, STV-L	.05				

EROSION FACTORS, WIND ERODIBILITY, AND HYDROLOGIC GROUP
FOR THE STATE OF NORTH CAROLINA

SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	EROSION FACTORS T	WIND ERODIBILITY GROUP WEG	WIND ERODIBILITY INDEX I	HYDROLOGIC GROUP
BALSAM, BOULDERY	NC0235	0 -13	BYV-SL, BYV-FSL, BYV-L	.06	5	8	-	B
		0 -13	BYX-SL, BYX-FSL, BYX-L	.02	5	8	-	
		13-22	BYV-L, BYV-FSL, BYV-SL	.05				
		22-48	BYX-L, BYX-FSL, BYX-SL	.02				
		48-65	BYV-SL, BYV-COSL, BYV-L	.05				
BARCLAY	NC0002	0 -57	L, SIL, VFSL	.43	5	-	-	C
		57-72	FS, LS, FSL	.43				
BARTH (INACTIVE-USE BUNCOMBE)								
BAYBORO	NC0029	0 -14	FSL	.15	5	3	86	D
		0 -14	L, CL	.17	5	6	48	
		0 -14	MK-FSL, MK-L	.10	5	3	86	
		14-64	CL, SC, C	.32				
BAYBORO, PONDED	NC0141	0 -14	FSL	.15	5	3	86	D
		0 -14	L, CL	.17	5	6	48	
		0 -14	MK-FSL, MK-L	.10	5	3	86	
		14-64	CL, SC, C	.32				
BAYMEADE	NC0081	0 -36	FS, S	.10	5	1	220	A
		0 -36	LS, LFS	.10	5	2	134	
		36-49	FSL, SCL, SL	.10				
		49-78	LFS, S, SL	.10				
BEACHES, SANDY	OC0002	0 -6	COS, S, FS	.05	5	1	310	D
		6 -60	COS, S, FS	.05				
BELHAVEN	NC0097	0 -26	MUCK	-	-	2	134	D
		26-32	SL, FSL, MX-L	.24				
		32-66	L, CL, SCL	.24				
		66-72	SR-S-FS	.15				
BERTIE	SC0086	0 -17	LS, LFS	.17	5	2	134	B
		0 -17	SL, FSL	.20	5	3	86	
		17-42	SCL, CL, SL	.24				
		42-57	FSL, SL, SCL	.24				
		57-85	SL, LFS, FS	.17				
BETHERA	SC0023	0 -7	FSL	.24	5	3	86	D
		0 -7	L, SIL	.28	5	5	56	
		0 -7	CL	.28	5	6	48	
		7 -68	C, CL, SC	.32				
		68-80	C, SC, SCL	.32				
BETHERA, FLOODED	SC0109	0 -7	FSL, SL	.24	5	-	-	D
		0 -7	L, SIL	.28	5	-	-	
		0 -7	CL	.28	5	-	-	
		7 -68	C, CL, SC	.32				
		68-80	C, SC, SCL	.32				

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SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	EROSION FACTORS T	WIND ERODIBILITY GROUP WEG	WIND ERODIBILITY INDEX	HYDROLOGIC GROUP
BETHLEHEM	NC0191	0 -8	GR-SL, GRV-SL, GR-SCL	.15	2	3	86	B
		0 -8	CB-SL	.15	2	3	86	
		8 -12	SCL, GR-SCL	.24				
		12-25	C, CL, GR-C	.28				
		25-31	GR-SCL, GRV-SCL	.20				
		31-60	WD					
BIBB	AL0032	0 -12	SL, FSL	.20	5	3	86	D
		0 -12	L, SIL	.28	5	5	56	
		0 -12	S, LS	.15	5	1		
		12-60	SL, L, SIL	.37				
BILTMORE	NC0139	0 -10	FSL, SL	.15	5	3	86	A
		0 -10	LS, S, LFS	.10	5	2	134	
		10-50	LS, LFS, S	.10				
		50-60	VAR					
BLADEN	GA0007	0 -14	FSL, SL	.24	5	-	-	D
		0 -14	L, SIL	.37	5	-	-	
		14-41	C, SC	-				
		41-62	C, SC, CL	-				
		62-80	VAR	-				
BLADEN, PONDED	GA0070	0 -14	FSL, SL	.24	5	-	-	D
		0 -14	L, SIL	.37	5	-	-	
		14-41	C, SC	-				
		41-62	C, SC, CL	-				
		62-80	VAR	-				
BLANEY	SC0083	0 -25	S, LS	.15	4	2	134	B
		0 -25	COS, LCOS	.10	4	2	134	
		25-50	SCL, SL	.28				
		50-85	SL, SCL, LS	.28				
BLANTON	FL0039	0 -58	S, FS, COS	.10	5	1	160	A
		0 -58	LS, LFS	.10	5	1	160	
		0 -58	GR-S	.05	5	2	134	
		58-62	SL, LS, LCOS	.15				
		62-80	SCL, SL, SC	.20				
BLANTON, MODERATELY WET	FL0482	0 -50	S, FS, COS	.10	5	2	134	D
		0 -50	LS, LFS	.10	5	2	134	
		0 -50	GR-S	.05	5	2	134	
		50-56	SL, FSL, LS	.15				
		56-68	SCL, SL, FSL	.20				
		68-80	SCL, SC, SL	.24				
BLANTON, OCCASIONALLY FLOODED	FL0400	0 -7	FS	.10	5	2	134	A
		7 -52	FS	.10				
		52-80	SCL, SL, FSL	.24				

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BONICKET	SC0022	0 -10	SICL, SIC, C	.28	5	6	86	D
		0 -10	MUCK, MK-PEAT	.28	5	8	86	
		10-49	SIC, C, SC	.24				
		49-80	VAR					
BOJAC	VA0127	0 -8	SL, FSL, L	.24	3	3	86	B
		0 -8	LFS, LS	.17	3	2	134	
		8 -47	FSL, L, SL	.17				
		47-65	SR-LFS-COS	.17				
BOJAC, FLOODED	VA0137	0 -8	SL, FSL, L	.24	5	3	86	B
		0 -8	LFS, LS	.17	5	2	134	
		0 -8	GR-S, GR-LS, GR-LFS	.15	5	2	134	
		8 -47	FSL, L, SL	.17				
		47-65	SR-LS-G	.17				
BOLLING	VA0101	0 -11	SIL, L, FSL	.28	4	5	86	C
		11-35	CL, SCL, SICL	.28				
		35-63	SCL, SICL, C	.28				
BONNEAU	SC0026	0 -22	LS, LFS	.15	5	2	134	A
		0 -22	S, FS	.15	5	1		
		22-60	SL, SCL, FSL	.20				
		60-74	SL, SCL, SC	.20				
BRADDOCK	VA0054	0 -9	L, FSL, SL	.32	4	8	-	B
		0 -9	CL, SICL, SCL	.32	3	8	-	
		9 -48	CL, GR-C, GRV-SC	.24				
		48-85	L, CBV-SCL, CBX-C	.24				
BRADDOCK, COBBLY	VA0232	0 -9	CB-SL, CB-FSL, CB-L	.24	4	8	-	B
		0 -9	CB-SICL, CB-CL, CB-SCL	.24	3	8	-	
		9 -48	CB-SC, CB-CL, CBV-C	.20				
		48-85	CB-L, CBV-SCL, CBX-C	.20				
BRADDOCK, GRAVELLY	VA0231	0 -9	GR-SL, GR-FSL, GR-L	.24	4	8	-	B
		0 -9	GR-CL, GR-SICL, GR-SCL	.24	3	8	-	
		9 -48	GR-SC, GR-CL, GRV-C	.24				
		48-85	GRV-L, GR-SCL, GRX-C	.24				
BRADDOCK, STONY	VA0097	0 -9	ST-L, ST-FSL, ST-SL	.20	4	8	-	B
		0 -9	STV-L, STV-FSL, STV-SL	.24	4	8	-	
		9 -48	CL, GR-SC, CBV-C	.24				
		48-85	L, CBV-SCL, CBX-C	.24				
BRADLEY (USE CECIL)								
BRADSON	NC0028	0 -6	L, FSL, SL	.24	5	-	-	B
		0 -6	GR-L, GR-FSL, GR-SL	.16	5	-	-	
		6 -65	CL, SC, C	.24				
		65-76	L, SCL, SL	.32				

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BRAGG	NC0129	0 -6	LS, SL, SCL	.20	5	-	-	C
		6 -30	SR-SL-CL	.28				
		30-72	SL, SCL, SC	.28				
		72-80	VAR					
BRANDYWINE (USE EDNEYVILLE)	NC0012	0 -8	L, SIL	.24	2	-	-	A
		0 -8	GR-L, CB-L	.20	2	-	-	
		8 -12	GR-L, L, SL	.20				
		12-25	GRV-COS, GRV-LS, GR-LS	.16				
		25-65	GRK-COS, GR-COS, GRV-LS	.16				
BRASSTOWN	NC0206	0 -6	CN-L, CN-FSL, CN-VFSL	.16	3	5	56	B
		0 -6	L, FSL, VFSL	.28	3	5	56	
		6 -29	CN-L, CN-SCL, SCL	.15				
		29-46	CN-FSL, CN-VFSL, L	.15				
		46-60	WB					
BREVARD	NC0012	0 -4	L, SIL	.24	5	5	56	B
		0 -4	SL, FSL	.15	5	5	56	
		4 -76	SCL, CL, SICL	.24				
		76-80	GR-L, GRV-L, CB-L	.10				
BROOKMAN	GA0085	0 -15	CL, L, SIL	.24	4	5	56	D
		0 -15	MK-L, MK-SIL, MK-FSL	.15	4	5	56	
		15-58	SC, C, CL	.28				
		58-65	SC, C, SCL	.24				
BROOKSHIRE	TN0004	0 -52	L, SIL, GR-L	.32	4	-	-	C
BULADEAN	NC0243	0 -3	FSL, SL, L	.20	3	8	56	B
		0 -3	GR-FSL, GR-SL, GR-L	.15	3	8	56	
		3 -26	L, SL, FSL	.20				
		26-50	LS, SL	.15				
		50	WB					
BUNCOMBE	NC0078	0 -10	LS, LFS, S	.10	5	2	134	A
		10-55	LS, LFS, S	.10				
		55-65	VAR					
BURTON	NC0093	0 -12	L, FSL, SL	.24	2	5	56	D
		0 -12	GR-L, GR-FSL, GR-SL	.15	2	5	56	
		12-21	SL, GR-SL, L	.15				
		21-28	CBV-FSL, ST-SL, CB-SL	.15				
		28-29	UWB					
BURTON, STONY	NC0114	0 -12	ST-L, ST-FSL, ST-SL	.15	2	6	-	D
		0 -12	CB-L, CB-FSL, CB-SL	.15	2	6	-	
		12-21	L, SL, GR-SL	.15				
		21-28	CB-SL, CBV-FSL, ST-SL	.15				
		28-29	UWB					

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DUFFERS	NC0131	0 -10	LS, LFS	.16	6	2	-	B
		0 -10	FS, S	.10	6	1	-	
		10-29	SL, FSL	.15				
		29-46	LS, LFS, S	.10				
		46-62	SL, SCL, FSL	.17				
BYARS	SC0036	0 -13	SL, FSL	.20	5	3	86	D
		0 -13	SICL, CL, L	.28	5	6	40	
		0 -13	SIL	.37	5	6	48	
		13-43	C, CL, SC	.32				
		43-73	C, SICL, SIC	.32				
		73-79	VAR					
BYARS, FLOODED	SC0119	0 -13	SL, FSL	.20	5	3	86	D
		0 -13	L, SICL, CL	.28	5	6	40	
		0 -13	SIL	.37	5	6	48	
		13-43	C, CL, SC	.32				
		43-73	C, SICL, SIC	.32				
		73-80	VAR					
CAINHOY	SC0024	0 -65	FS, LFS, S	.10	5	2	134	A
		65-99	FS, S	.10				
CALVIN	PA0043	0 -8	SIL, L	.24	3-2	-	-	C
		0 -8	CN-SIL, CN-L, CN-SIL	.20	3-2	-	-	
		0 -8	CO-SIL, CO-L	.20	3-2	-	-	
		0 -27	CN-SIL, CN-L, CNV-CL	.20				
		27-34	CN-SIL, CNV-SIL, CNV-L	.20				
		34	UNB					
CALVIN, HIGH BASE SUBSTRATUM	PA0243	0 -6	SIL, L, SICL	.37	3	-	-	C
		0 -6	CN-SIL, SN-SIL, CN-L	.28	3	-	-	
		6 -28	CN-SIL, CN-SICL, SN-SIL	.28				
		28-36	CNV-SIL, SN-SICL	.28				
		36	WB					
CALVIN, STONY	PA0044	0 -6	STV-SIL, STV-L	.15	3-2	-	-	C
		6 -27	SN-SIL, CN-L, SNV-CL	.20				
		27-34	SN-SIL, SNV-SIL, CNV-L	.20				
		34	UWB					
CALVIN, STONY, HIGH BASE SUBSTRATUM	PA0244	0 -6	STV-SIL, STV-L	.28	3	-	-	C
		6 -28	CN-SIL, CN-SICL, SN-SIL	.28				
		28-36	CNV-SIL, SN-SICL					
		36	WB					
CANDOR	NC0157	0 -21	S	.10	6	1		A
		21-34	LS	.10				
		34-56	S	.10				
		56-72	SL, SCL	.20				
		72-80	VAR					

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CAPE FEAR	NC0061	0 -18	L, SIL	.15	5	5	56	D
		0 -18	FSL, VFSL	.17	5	3	86	
		18-52	CL, C, SIC	.32				
		52-62	VAR					
CAPERS	GA0010	0 -15	SIC, C	.20	5	-	-	D
		0 -16	SICL, L	.20	5	-	-	
		16-60	C, SIC	-				
CAROLINE	VA0029	0 -9	FSL, SL	.43	5	3	86	C
		0 -9	L, SIL, VFSL	.43	5	5	56	
		0 -9	CL, SCL	.43	4	6	48	
		9 -84	CL, C, SIC	.32				
		84-99	CL, C, GR-FSL	.32				
CARTECAY	GA0013	0 -9	SL, LS	.24	5	-	-	C
		0 -9	L, SIL, SICL	.32	5	-	-	
		0 -9	VFSL, FSL	.24	5	-	-	
		9 -40	SL, FSL, L	.24				
		40-60	LS, S, SL	.16				
CARTECAY, PONDED	GA0088	0 -9	SL, LS	.24	5	2	134	C
		0 -9	L, SIL, SICL	.32	5	6	48	
		0 -9	VFSL, FSL	.24	5	3	86	
		9 -40	SL, FSL, L	.24				
		40-60	LS, S, SL	.15				
CARTERET	NC0104	0 -60	LS, LFS	.18	5	-	-	D
		0 -80	S, FS	.15	5	-	-	
CASHIERS	NC0196	0 -9	GR-SL, GR-FSL, GR-L	.28	4	3	86	B
		0 -9	SL, FSL, L	.32	4	3	86	
		9 -48	SL, FSL, GR-SL	.32				
		48-65	GR-SL, GR-FSL, SL	.32				
CATASKA	TN0071	0 -6	CN-SIL, CN-L	.20	1	8	-	D
		0 -6	CB-L, CB-SIL	.15	1	8	-	
		0 -6	CNV-L, CNV-SIL	.15	1	8	-	
		6 -16	SV-SIL, CN-SIL, CNV-L	.15				
		16-28	WA					
		28	UWB					
CATASKA, STONY	TN0133	0 -6	ST-SIL, ST-L	.20	1	-	-	D
		0 -6	STV-SIL, STV-L	.15	1	-	-	
		6 -16	SV-SIL, CN-SIL, CNV-SIL	.15				
		16-28	WB					
		28	UWB					

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CECIL	NC0010	0 -7	SL, FSL, L	.28	4	3	86	B
		0 -7	GR-SL, GR-L, GR-FSL	.16	4	3	86	
		0 -7	SCL, CL	.28	3	3	86	
		7 -11	SCL, CL	.28				
		11-50	C, CL	.20				
		50-76	VAR					
CENTENARY	SC0039	0 -9	S, FS	.10	5	1		A
		9 -58	S, FS, LS	.10				
		58-72	S, FS, LS	.10				
CHANDLER	NC0017	0 -4	L, FSL, SL	.32	3	3	86	B
		0 -4	ST-L, ST-FSL, ST-SL	.37	3	8	-	
		0 -4	GR-L, GR-SL, GR-FSL	.28	3	3	86	
		4 -66	L, FSL, SL	.32				
CHAPANOKE	NC0160	0 -6	SIL, L	.43	5	6	86	C
		0 -6	FSL, VFSL	.37	5	3	86	
		6 -50	SICL, L, CL	.43				
		50-62	FSL, LFS	.37				
		62-80	GR-S-L	.20				
CHARLESTON	SC0081	0 -16	LFS, LS, FS	.15	5	2	134	C
		0 -16	FSL, SL	.20	5	3	86	
		16-44	FSL, SL	.20				
		44-80	LFS, LS, FS	.15				
CHASTAIN	SC0035	0 -5	SICL, SIL, L	.32	5	6	56	D
		0 -5	SIC, CL, C	.28	5	4	86	
		5 -52	SICL, SIC, C	.37				
		52-72	LS, S, FS	.10				
CHATUGE	GA0060	0 -8	L, SIL, SL	.32	4	6	56	D
		8 -40	L, CL, SCL	.32				
		40-60	GR-COS, GR-LS, GRV-COS	.28				
CHENNEBY	AL0026	0 -16	L, SIL	.37	5	6	56	C
		0 -16	SICL	.32	5	7	38	
		16-55	L, SIL, SICL	.32				
		55-72	SR-SL-SICL	.24				
CHENNEBY, PONDED	AL0105	0 -16	L, SIL	.37	5	-	-	C
		0 -16	SICL	.32	5	-	-	
		16-55	L, SIL, SICL	.32				
		55-72	SR-SL-SICL	.24				

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CHEOAH	NC0190	0 -12	CH-L, CH-FSL, CH-SIL	.15	3	5	56	B
		0 -12	L, FSL, SIL	.28	3	5	86	
		0 -12	FL-L, FL-FSL, FL-SIL	.15	3	8	-	
		12-47	L, FSL, SIL	.32				
		47-68	CH-L, CH-FSL, CH-SIL	.20				
		56-60	WB					
CHESYATEE	GA0054	0 -9	SY-SL, SY-FSL, SY-SL	.15	3	3	86	B
		0 -9	STY-SL, STY-L	.15	3	3	86	
		9 -13	SY-SCL, SY-CL, SY-SCL	.32				
		13-36	SY-C, SY-CL, SY-SC	.32				
		36-72	WB					
CHESTER (USE EVARD)	MD0001	0 -8	SIL, L, SL	.32	5	-	-	B
		0 -8	GR-L, GR-SIL	.28	5	-	-	
		8 -42	SICL, SIL, CL	.43				
		42-62	SIL, L, SL	.49				
CHESTER, STONY (USE EVARD)	MD0077	0 -8	STY-L, STY-SIL	.24	5	-	-	B
		0 -8	STX-L, STX-SIL	.24	5	-	-	
		8 -42	SICL, SIL, L	.43				
		42-62	L, SL	.49				
CHESTNUT	NC0166	0 -6	GR-L, GR-FSL, GR-SL	.17	2	5	56	B
		0 -6	L, FSL, SL	.24	2	5	56	
		6 -30	GR-L, GR-FSL, CR-L	.15				
		30-72	WB					
		72	UWB					
CHESTNUT, STONY	NC0242	0 -6	ST-L, ST-FSL, ST-SL	.17	2	8	-	B
		0 -6	CB-L, CB-FSL, CB-SL	.15	2	5	86	
		6 -30	GR-L, GR-FSL, CB-L	.17				
		30-72	WB					
		72	UWB					
CHEWACLA	NC0055	0 -8	FSL, SL	.24	5	3	86	C
		0 -8	SIL, L, CL	.20	5	5	56	
		8 -24	SIL, SICL, CL	.32				
		24-34	SCL, L, SL	.28				
		34-58	SIL, CL, SICL	.32				
		58-70	VAR					
CHIPLEY	FL0046	0 -6	S, FS	.10	5	2	134	C
		6 -77	S, FS	.10				
CHISOLM	SC0030	0 -25	LFS, LS	.15	5	2	134	A
		0 -25	FS, S	.10	5	1		
		25-36	SCL, SL, FSL	.15				
		36-45	SCL, SC	.15				
		45-57	SL, FSL, SCL	.15				
		57-80	FSL, LS, S	.15				

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CHOWAN	NC0146	0 -6	L, SIL, SICL	.32	4	6	56	D
		6 -27	L, SIL, SICL	.32				
		27-60	SP	-				
CID	NC0189	0 -12	SIL, L, VFSL	.37	2	-	-	C
		0 -12	CN-SIL, CN-L, CN-VFSL	.32	2	2	134	
		12-26	SICL, SIC, C	.28				
		26-29	CN-SIC, CN-SICL, SIC	.28				
		29-34	WB					
		34	UWB					
CITICO	TN0072	0 -7	CN-SIL, CN-L	.24	3	-	-	B
		7 -38	CN-SIL	.24				
		38-48	CN-SIL	.24				
		48	UWB					
CLEVELAND	SC0004	0 -14	SL, FSL, L	.24	1	3	86	C
		0 -14	GR-SL, GR-FSL, GR-L	.17	1	8	-	
		0 -14	ST-SL, ST-FSL, ST-L	.17	1	8	-	
		14	UWB					
CLIFFIELD	NC0252	0 -4	GR-L, GR-FSL, GR-SL	.15	2	8	56	B
		0 -4	CB-L, CB-FSL, CB-SL	.15	2	8	-	
		0 -4	CBV-L, CBV-SL	.15	2	8	-	
		4 -15	GRV-SCL, CBV-CL	.10				
		15-33	STV-SCL, STX-CL	.10				
		33	UWB					
CLIFTON	NC0015	0 -6	L, FSL	.17	4	-	-	B
		0 -6	CL	.17	4	-	-	
		0 -6	ST-L, ST-FSL, BY-L	.17	4	-	-	
		6 -10	L, CL, SCL	.17				
		10-45	C, CL	.17				
		45-65	FSL, L	.17				
COOGRUS	PA0015	0 -16	SIL, L	.49	4	-	-	C
		16-54	SIL, L, SICL	.37				
		54-60	SR-S-SI	.24				
COLFAX	VA0069	0 -12	L, SIL	.32	3	-	-	C
		0 -12	SL, FSL	.17	3	-	-	
		12-30	SCL, CL, L	.28				
		30-46	SL, FSL, CL	.28				
		46-60	SL	.28				
		60	WB					
COLVARD	NC0108	0 -10	FSL, L, SL	.15	4	3	56	B
		10-42	FSL, SL, L	.10				
		42-60	LS, S, CB-S	.10				

EROSION FACTORS, WIND ERODIBILITY, AND HYDROLOGIC GROUP
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SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	EROSION FACTORS T	WIND ERODIBILITY GROUP WEG	WIND ERODIBILITY INDEX I	HYDROLOGIC GROUP
CONUS (USE IOTLA)	MD0050	0 -30	SIL, L, FSL	.43	3	-	-	B
		30-60	SR-GR-SL-SICL	.20				
CONASY	NC0111	0 -13	MUCK	-	-	2	134	B/D
		13-21	S, LS, LFS	.10				
		21-33	SL, FSL, L	.15				
		33-74	VAR					
CONETOE	NC0009	0 -25	LS, LFS	.15	5	2	-	A
		0 -25	S, FS	.18	5	3	-	
		25-41	SL, SCL, FSL	.18				
		41-80	LS, S	.10				
CONGAREE	SC0064	0 -8	FSL, SL	.24	5	3	86	B
		0 -8	L, SIL	.37	5	6	48	
		8 -38	SICL, FSL, L	.37				
		38-80	VAR					
COROLLA	NC0005	0 -72	S, FS	.10	5	1	220	D
CORONACA	SC0003	0 -6	SCL, CL, L	.24	5	6	48	B
		6 -81	C	.24				
		81-97	CL, SICL, C	.24				
COWARTS	AL0071	0 -8	LS, LFS	.16	4	2	134	C
		0 -8	FSL, SL	.24	4	3	86	
		8 -19	FSL, SL, SCL	.20				
		19-25	SCL, SC, CL	.20				
		25-60	SL, SCL, CL	.24				
COWARTS, GRAVELLY	AL0129	0 -8	GR-LS, GR-LFS	.10	3	-	-	C
		0 -8	GR-SL, GR-FSL	.20	3	-	-	
		8 -19	FSL, SL, SCL	.20				
		19-25	SCL, SC, CL	.20				
		25-60	SL, SCL, CL	.24				
COWEE	NC0171	0 -5	GR-L, GR-FSL, GR-SL	.20	2	5	56	B
		0 -5	L, FSL, SL	.28	2	5	86	
		5 -27	GR-SCL, GR-SL, CL	.24				
		27-60	WB					
COWEE, STONY	NC0241	0 -5	ST-L, ST-FSL, ST-SL	.17	2	5	56	B
		5 -27	GR-SCL, GR-SL, CL	.24				
		27-60	WB					
COXVILLE	NC0045	0 -11	FSL, SL, L	.24	5	3	86	D
		11-72	CL, SC, C	.32				
		72-80	VAR					

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SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	T	WIND ERODIBILITY GROUP WEG	INDEX I	HYDROLOGIC GROUP
CRAGGEY	NC0117	0 -12	GR-L, GR-SL, GRV-SL	.15	1	5	86	D
		0 -12	L, SL, FSL	.24	1	5	56	
		0 -12	ST-L, ST-SL, CB-SL	.15	1	8	-	
		12	UWB					
CRAIGSVILLE	VA0072	0 -6	L, SIL	.28	3	-	-	B
		0 -5	SL	.17	3	-	-	
		6 -27	GR-SL, CB-L, GRV-SL	.17				
		27-65	GRV-LS, GRV-SL, CBV-SL	.17				
CRAIGSVILLE, GRAVELLY	VA0265	0 -5	GR-L, GR-SL, GR-FSL	.17	3			B
		0 -5	GRV-L, GRV-SL, GRV-FSL	.17	3			
		5 -27	GR-SL, CB-L, GRV-SL	.17				
		27-60	GRV-LS, GRV-SL, CBV-LS	.17				
CRAVEN	NC0008	0 -9	L, FSL, SIL	.32	5	5	56	C
		0 -9	CL, SICL, SCL	.37	5	6	40	
		9 -64	C, SIC, SICL	.32				
		64-80	SCL, SL, LS	.32				
CREEDMOOR	NC0056	0 -0	SL, FSL, L	.28	3	3	86	C
		0 -6	LS	.20	3	2	134	
		6 -19	SCL, CL, SICL	.32				
		19-66	C, SIC, SC	.32				
		66-77	SL, SCL, SICL	.37				
		77	UWB					
CROATAN	NC0133	0 -28	MUCK	-	-	2	134	D
		28-38	SL, FSL, MK-SL	-				
		38-60	L, CL, SCL	-				
		60-80	VAR					
CROATAN, FLOODED	NC0168	0 -28	SP, MUCK	-	-	2	134	D
		28-38	SL, FSL, MK-SL	.17				
		38-60	L, CL, SCL	.24				
		60-80	VAR					
CROATAN, PONDED	NC0080	0 -28	MUCK	-	-	2	134	D
		28-38	SL, FSL, MK-SL	.17				
		38-60	L, CL, SCL	.24				
		60-80	VAR					
CULLASAJA	NC0237	0 -17	CB-SCL, CB-FSL, ST-L	.10	5	8	-	D
		0 -17	STV-SL, STV-FSL, STV-L	.05	5	6	-	
		0 -17	STX-SL, STX-FSL, STX-L	.02	5	8	-	
		17-32	STV-SL, STV-FSL, STV-L	.05				
		32-65	STX-LS, STX-COSL, STX-L	.05				

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SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	EROSION FACTORS T	WIND ERODIBILITY GROUP WEG	WIND ERODIBILITY INDEX I	HYDROLOGIC GROUP
CULLASAJA, BOULDERY	NC0230	0 -17	BYX-SCL, BYX-L, BYX-FSL	.02	5	8	-	B
		0 -17	BYV-SL, BYV-FSL, BYV-L	.05	5	8	-	
		0 -17	CBV-FSL, CBV-L	.05	5	8	-	
		17-32	STV-SL, BYV-FSL, STV-L	.05				
		32-65	STX-LS, BYX-SL, STX-SL	.05				
CULLEN	VA0050	0 -9	L, SIL	.37	4	-	-	C
		0 -9	FSL	.20	4	-	-	
		0 -9	CL	.24	3	-	-	
		9 -50	C, CL	.24				
		50-55	C, CL, SICL	.24				
		55-72	CL, L, SIL	.24				
CULLOWHEE	NC0209	0 -13	FSL, SL, L	.20	3	3	86	B/D
		0 -13	GR-FSL, GR-SL, GR-L	.10	3	3	86	
		13-23	LS, S, GR-LS	.10				
		23-35	LS, LFS, SL	.10				
		35-65	GRX-S, GRV-S, CBV-S	.05				
CUMBERLAND	TN0050	0 -8	SIL, L	.37	5	-	-	D
		0 -8	CL, SICL	.32	5	-	-	
		8 -14	CL, SICL	.37				
		14-48	C, CL, SICL	.24				
		48-64	C, CL	.24				
CURRITUCK	NC0135	0 -14	MUCK, MPT	-		2	-	D
		14-20	MUCK	-				
		20-60	LS, S	-				
CUTSHIN	KY0092	0 -19	CN-L, GR-L, CN-SIL	.28	4	-	-	B
		0 -19	SIL, L, SL	.32	4	-	-	
		19-50	CN-L, GR-L, FL-CL	.28				
		50-60	WB					
DARE	NC0040	0 -70	MUCK	-	-	2	134	D
		70-80	SR-FS-LS	.18				
DAVIDSON	GA0014	0 -7	L	.28	6	6	40	B
		0 -7	CL, SCL	.28	6	6	40	
		0 -7	C	.28	6	6	40	
		7 -12	CL	.32				
		12-53	C	.24				
		53-72	C, CL, SCL	.28				
DELANCO	MD0165	0 -13	SIL, FSL	.37	4	5	-	C
		13-39	SICL, CL, L	.32				
		39-72	CL, SIL, GR-SL	.28				
DELCOMB	LA0079	0 -39	PEAT, MUCK	-	-	-	-	D
		39-52	MK-SIL, MK-SICL, SICL	.32				
		52-80	SICL, SIL	.32				

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DELLWOOD	NC0183	0 -8	GR-FSL, GR-SL, GR-L	.10	2	3	86	A
		0 -8	CB-FSL, CB-SL, CB-L	.10	2	8	-	
		0 -8	FSL, SL, L	.20	2	3	86	
		8 -14	GRX-S, GRV-S, GRV-LS	.05				
		14-60	GRX-S, CBV-S, GRX-COS	.05				
DELOSS	NC0109	0 -18	LFS	.15	5	2	134	B/D
		0 -18	SL, FSL, L	.24	5	3	86	
		0 -18	MK-SL, MK-FSL, MK-L	.24	5	3	86	
		18-56	SCL, CL, FSL	.24				
		56-80	VAR					
DILLARD	GA0061	0 -6	SL, FSL	.24	4	3	86	C
		0 -6	L	.32	4	3	86	
		6 -31	CL, SCL	.28				
		31-65	C, CL	.28				
		65-68	VAR					
DILLSBORO	NC0236	0 -10	FSL, SL, L	.20	5	3	86	B
		0 -10	SCL, CL	.24	5	3	86	
		10-43	CL, C	.20				
		43-59	CBV-CL, CBV-C, CB-CL	.10				
		59-78	CBV-CL, CB-CL, CB-SCL	.10				
DITNEY	TN0076	0 -7	L, SL, FSL	.24	2	-	-	C
		0 -7	CB-L, CB-SL, CB-FSL	.17	2	-	-	
		0 -7	GR-L, GR-SL, GR-FSL	.17	2	-	-	
		7 -25	L, SL, FSL	.24				
		25-30	L, SL, CB-L	.17				
		30	UNB					
DOGUE	VA0082	0 -10	L, SIL, VFSL	.37	5	5	38	C
		0 -10	FSL, SL	.28	5	3	86	
		10-47	CL, C, SC	.28				
		47-65	SR-S-SCL	.37				
DOROVAN	MS0076	0 -3	MPT, MUCK	-	-	2	134	D
		3 -74	MUCK	-				
		74-99	S, LS, L	-				
DOTHAN	AL0010	0 -13	LS, LFS	.15	5	2	134	B
		0 -13	FSL, SL	.24	5	1		
		0 -13	S, FS	.10	5	1		
		13-33	SCL, SL, FSL	.28				
		33-60	SCL, SC	.28				
DOTHAN, GRAVELLY	AL0116	0 -13	GR-LFS, GR-LS	.10	5	-	-	B
		0 -13	GR-FSL, GR-SL	.20	5	-	-	
		13-33	SCL, SL	.28				
		33-60	SCL, SC	.28				

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DRAGSTON	VA0003	0 -9	FSL, SL, L	.20	4	3	86	C
		0 -9	LFS, LS	.17	4	2	134	
		9 -37	FSL, SL, L	.17				
		37-65	S, LS, FSL	.17				
DUCKSTON	NC0006	0 -8	S, FS	.10	5	1		A/D
		8 -80	S, FS	.10				
DUMPS	OC0021	0 -60	VAR	-	-	-	-	-
DUNBAR	NC0046	0 -8	SL, FSL, L	.32	6	-	-	D
		0 -8	LS, LFS	.32	6	-	-	
		8 -14	L, SCL, CL	-				
		14-80	SC, CL, C	-				
DUPLIN	NC0047	0 -8	SL, FSL	.24	5	-	-	C
		0 -8	LS	.20	5	-	-	
		8 -80	SC, CL, C	-				
DURHAM	NC0070	0 -16	LCOS, LS	.17	5	-	-	B
		0 -16	SL, FSL	.24	5	-	-	
		16-36	SCL, CL	.20				
		36-42	CL, SC, SCL	.20				
		42-48	SCL, SL	.20				
		48-60	LS, SL, SCL	.17				
DURHAM, MODERATELY WET	NC0329	0 -16	LCOS, LS	.17	5	-	-	D
		0 -16	SL, FSL	.24	5	-	-	
		16-36	SCL, CL	.20				
		36-42	CL, SC	.20				
		42-48	SCL, SL	.20				
		48-60	LS, SL, SCL	.17				
DYKE	VA0014	0 -8	SIL, L	.37	4	-	-	B
		0 -8	CL, SICL	.37	3	-	-	
		8 -48	C, SIC, SICL	.28				
		48-80	CB-CL, CBV-CL	.28				
DYKE, STONY	VA0098	0 -8	STV-SIL, STV-L	.28	4	-	-	B
		0 -8	CB-SIL, CB-L	.28	4	-	-	
		8 -48	C, SIC, SICL	.28				
		48-80	CB-CL, CBV-CL	.28				
ECHAW	SC0033	0 -6	LS, LFS	.10	5	2	134	A
		0 -6	S, FS	.10	5	1		
		6 -40	LS, FS, S	.10				
		40-50	FS, LS, S	.10				
		50-65	LS, FS, S	.10				

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EDNEYTOWN	SC0005	0 -4	SL, LFS	.17	3	-	-	B
		0 -4	FSL, L	.20	3	-	-	
		4 -29	SCL, CL	.24				
		29-36	SL, SCL	.24				
		36-60	LS, SL	.17				
EDNEYVILLE	NC0023	0 -7	L, FSL, SL	.24	4	5	86	B
		0 -7	GR-L, GR-FSL, GR-SL	.17	4	5	86	
		7 -30	FSL, SL, L	.20				
		30-60	SL, GR-SL, FSL	.20				
EDNEYVILLE, STONY	NC0115	0 -7	ST-FSL, ST-SL, ST-L	.17	5	8	-	B
		0 -7	STV-FSL, STV-SL, STV-L	.15	5	8	-	
		7 -30	FSL, L, GR-SL	.20				
		30-60	SL, GR-SL, FSL	.20				
EFLAND (USE HERNDON)								
ELKTON	MD0082	0 -10	SIL, L	.43	4	5	86	C/D
		0 -10	SL	.24	4	3	86	
		0 -10	SICL	.37	4	7	38	
		10-24	SICL	.37				
		24-40	SICL, SIC	.32				
		40-66	VFSL	.32				
ELLIJAY	NC0239	0 -4	L, FSL	.28	3	5	86	B
		0 -4	GR-L, GR-FSL	.15	3	8	68	
		0 -4	SICL, CL	.28	3	6	48	
		4 -34	C, CL, SICL	.28				
		34-52	L, CL, SICL	.28				
		52-70	L, CL, FSL	.28				
ELSINBORO	MD0164	0 -15	SIL, L, SL	.37	4	5	86	B
		15-36	SICL, SIL, L	.28				
		36-60	SL, SCL, GR-SL	.17				
EMPORIA	VA0102	0 -15	L, FSL, SL	.20	4	3	86	C
		0 -15	LFS, LS	.20	4	2	134	
		15-32	SCL, SL, CL	.20				
		32-57	SCL, CL, SC	.20				
		57-70	SR-SL-CL	.20				
ENGELHARD	NC0103	0 -72	SI, SIL, VFSL	.49	6	-	-	B/D
ENON	NC0030	0 -8	SL, FSL	.24	3	3	86	C
		0 -8	L, SIL	.32	3	5	86	
		0 -8	CL, SCL	.28	2	6	48	
		8 -11	CL, SCL	.24				
		11-33	CL, C	.28				
		33-76	VAR					

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ENON, GRAVELLY	NC0175	0 -8	GR-FSL, GR-SL, GR-L	.15	3	-	-	C
		0 -8	GR-CL, GR-SCL	.15	2	-	-	
		0 -8	CB-FSL, CB-SL, CB-L	.15	3	-	-	
		8 -11	SCL, CL, GR-SCL	.24				
		11-33	C, CL	.28				
		33-75	VAR					
ENON, STONY	NC0138	0 -8	ST-L, ST-SL, ST-FSL	.15	3	-	-	C
		0 -8	STV-L, STV-SL, STV-FSL	.10	3	-	-	
		0 -8	STV-CL, CBV-CL	.10	2	-	-	
		8 -11	SCL, CL	.24				
		11-33	C, CL	.28				
		33-76	VAR					
EUSTIS	FL0100	0 -6	S, FS	.10	5	2	134	A
		0 -6	LS, LFS	.10	5	2	134	
		6 -24	S, FS, LFS	.17				
		24-76	LFS, LS	.17				
		76-98	S, FS	.17				
EVARD	SC0083	0 -5	SL, FSL	.24	5	3	86	B
		0 -5	L	.28	5	3	86	
		5 -29	SCL, CL	.24				
		29-37	SL, L, SCL	.24				
		37-72	SL, L, LS	.24				
EVARD, GRAVELLY	SC0135	0 -5	GR-SL, GR-FSL, GR-L	.15	5	8	-	B
		0 -5	CB-SL, CB-FSL, CB-L	.15	5	8	-	
		5 -29	SCL, CL, L	.24				
		29-37	SL, L, SCL	.24				
		37-72	SL, L, LS	.24				
EXUM	NC0082	0 -12	VFSL, L, SIL	.37	5	3	86	C
		12-70	L, CL, SICL	.37				
		70-99	VAR					
EXWAY	NC0251	0 -5	L, SIL, FSL	.32	2	5	56	B
		0 -5	SICL, CL	.32	2	7	38	
		5 -32	SICL, SIC, C	.28				
		32-62	WB					
FACEVILLE	GA0005	0 -5	LS, LFS	.17	5	-	-	B
		0 -5	SL, FSL	.20	5	-	-	
		0 -5	SCL	.32	5	-	-	
		5 -11	SCL, SC	.37				
		11-72	SC, C, CL	.37				

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FALLSINGTON	MD0033	0 -10	SL, FSL, VFSL	.24	4	3	86	B/D
		0 -10	L	.32	4	6	56	
		10-32	SL, L, SCL	.28				
		32-72	SR-S-SCL	.20				
FANNIN	NC0020	0 -7	L, SIL, FSL	.32	3	5	56	B
		0 -7	GR-L, GR-FSL	.24	3	5	56	
		0 -7	CB-L, CB-SIL, CB-FSL	.24	3	0	-	
		7 -32	CL, SCL, L	.24				
		32-60	L, SL, FSL	.24				
FLETCHER	TN0082	0 -11	SIL	.43	3	-	-	B
		0 -11	SY-SIL, SYV-SIL	.20	2	-	-	
		11-32	SIL, SICL	.43				
		32-44	SIL	.43				
		44	UNS					
FORESTON	SC0044	0 -6	S, FS	.10	5	5	56	C
		0 -6	LS, LFS	.15	5	2	134	
		6 -40	SL, FSL	.10				
		40-51	LFS, LS, FS	.10				
		51-85	SL, SCL	.20				
FORK	VA0078	0 -9	FSL, L, SIL	.37	4	5	56	C
		0 -9	LS, LFS	.17	5	-	-	
		9 -52	CL, SCL, L	.32				
		52-64	LFS, SL, SICL	.24				
FORTESCUE	NC0124	0 -6	L, SIL, MK-L	.37	5	-	-	C/D
		6 -26	L, SIL, SICL	.32				
		26-64	MUCK	-				
		64-74	VAR					
FRENCH	NC0106	0 -12	L	.28	3	-	-	C
		0 -12	SL, FSL	.24	3	-	-	
		12-30	FSL, SCL, CL	.32				
		30-80	GRV-LS, GRX-S, CBV-S	.05				
FRIPP	SC0001	0 -5	FS, S	.10	5	1	220	A
		5 -80	FS, S	.10				
FUQUAY	NC0053	0 -34	LS, LFS	.15	5	2	134	B
		0 -34	S, FS	.10	5	1	220	
		34-45	SL, FSL, SCL	.20				
		45-96	SCL	.20				
		96-99	VAR					

EROSION FACTORS, WIND ERODIBILITY, AND HYDROLOGIC GROUP
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SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	T	WIND ERODIBILITY GROUP (WEG)	INDEX (I)	HYDROLOGIC GROUP
FUQUAY, GRAVELLY	NC0174	0 -34	GR-LS, GR-LFS	.15	5	2	134	B
		0 -34	GR-S, GR-FS	.10	5	1		
		34-45	SL, FSL, SCL	.20				
		45-96	SCL	.20				
		96-99	VAR					
GALESTOWN	MD0048	0 -11	LS, LFS	.17	5	2	134	A
		0 -11	S	.17	5	1	220	
		11-40	LS, S, LFS	.17				
		40-66	S, LS, GR-S	.17				
GALESTOWN, GRAVELLY	MD0061	0 -40	GR-LS	.17	5	-	-	A
		40-60	GR-S, LS	.17				
GALESTOWN, STONY	MD0078	0 -10	ST-LS, ST-S	.17	5	-	-	A
		10-40	LS, S	.17				
		40-60	LS, S, GR-S	.17				
GALVEZ	LA0052	0 -6	SICL	.37	5	-	-	C
		0 -6	SIL	.43	5	-	-	
		6 -43	SICL, SIL	.32				
		43-62	SIL, SICL, SIC	.32				
GASTON	NC0170	0 -6	L, FSL	.32	4	6	48	C
		0 -6	CL, SCL	.28	4	6	48	
		6 -47	C, CL	.24				
		47-57	CL, SCL, L	.28				
		57-72	VAR					
GEORGEVILLE	SC0014	0 -6	L, VFSL, FSL	.43	4	5	56	B
		0 -6	SICL, CL, SIL	.49	4	6	48	
		6 -10	SICL, CL	.32				
		10-53	C, SIC, SICL	.28				
		53-63	SICL, L, SIL	.32				
GEORGEVILLE, ROCKY	SC0124	0 -6	GR-L, GR-SIL, GR-VFSL	.24	4	5	56	B
		0 -6	SY-SIL, SY-L, SY-VFSL	.24	4	5	56	
		6 -10	SICL, CL	.32				
		10-53	C, SIC, SICL	.28				
		53-63	SICL, L, SIL	.32				
GILEAD	NC0130	0 -5	LS, GR-LS	.17	3	2	134	C
		0 -5	SL, GR-SL	.20	3	3	86	
		5 -8	SL, SCL	.24				
		8 -42	SC, CL, C	.28				
		42-72	SL, SCL	.24				
		72-80	VAR					

EROSION FACTORS, WIND ERODIBILITY, AND HYDROLOGIC GROUP
FOR THE STATE OF NORTH CAROLINA

SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	EROSION FACTORS T	WIND ERODIBILITY GROUP WEG	WIND ERODIBILITY INDEX I	HYDROLOGIC GROUP
GILPIN	PA0007	0 -8	SIL, L	.32	3	-	-	C
		0 -8	CN-SIL, CN-L, SN-SIL	.24	3	-	-	
		8 -24	CN-L, SN-SIL, SICL	.24				
		24-30	CN-L, CNV-SIL, SNV-SICL	.24				
		30	UWB					
GILPIN, STONY	PA0006	0 -8	STV-SIL, STV-L	.24	3	-	-	C
		0 -8	ST-SIL	.24	3	-	-	
		8 -24	CN-SIL, CN-L, SICL	.24				
		24-30	CN-L, CNV-SIL, SNV-SICL	.24				
		30	UWB					
GOLDSBORO	NC0041	0 -15	SL, FSL	.20	5	3	86	B
		0 -15	LS, LFS	.17	5	2	134	
		15-45	SCL, SL	.24				
		45-65	SCL, CL, SC	.24				
		65-76	VAR					
GOLDSTON	NC0033	0 -7	CN-SIL, CN-VFSL	.15	1	8	-	C
		0 -7	CNV-SIL, CNV-VFSL	.05	1	8	-	
		7 -15	CNV-SIL, CNV-VFSL	.05				
		15-35	WB					
		35	UWB					
GRANTHAM	NC0100	0 -11	VFSL, L, SIL	.37	5	3	86	D
		11-40	L, CL, SICL	.43				
GRANVILLE	NC0081	0 -16	LS, COSL	.17	4	2	134	B
		0 -16	SL, FSL	.24	4	3	86	
		0 -16	GR-SL, GR-COSL, GR-LS	.10	4	3	86	
		16-45	CL, SCL	.20				
		45-60	SL, L, SCL	.17				
GREENLEE	NC0173	0 -3	STV-L, STV-FSL, STV-SL	.10	5	8	-	B
		0 -3	CBV-L, CBV-FSL, CBV-SL	.10	5	8	-	
		0 -3	BYV-L, BYV-FSL, BYV-SL	.10	5	8	-	
		3 -26	STV-L, STV-SL, BYV-L	.10				
		26-70	STV-SL, STV-LS, BYV-SL	.10				
		70-80	BYX-SL, STX-SL, BYX-LS	.10				
GRIFTON	NC0034	0 -15	SL, FSL	.20	5	3	86	D
		0 -15	LS, LFS	.17	5	2	134	
		15-40	SL, SCL, CL	.24				
		40-58	LS, SL	.20				
		58-70	VAR					

EROSION FACTORS, WIND ERODIBILITY, AND HYDROLOGIC GROUP
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SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	EROSION FACTORS T	WIND ERODIBILITY GROUP WEG	WIND ERODIBILITY INDEX I	HYDROLOGIC GROUP
GRITNEY	NC0201	0 -9	LS, LFS	.15	3	2		C
		0 -9	SL, FSL, L	.32	3	3		
		0 -9	SCL, CL	.37	3	5		
		9 -58	C, SC, CL	.32				
		58-70	SR-LS-SCL	.20				
GROVER	NC0080	0 -6	SL, FSL, COSL	.24	3	3	86	B
		0 -6	SCL	.28	3	5	56	
		0 -6	L	.32		5	56	
		6 -25	SCL, CL, L	.32				
		25-66	SL, L, SCL	.32				
GWINNETT	GA0024	0 -7	SL, L	.28	4	-	-	B
		0 -7	SCL, CL	.28	3	-	-	
		0 -7	GR-SL, GR-SCL	.17	3	-	-	
		7 -35	C, SC	.28				
		35-65	WB					
HALLISON	NC0200	0 -11	SIL, VFSL, L	.37	4	-	-	C
		0 -11	FSL	.32	4	-	-	
		11-41	SICL, CL	.37				
		41-60	SICL, CL, SIL	.37				
		60-80	WB					
HARNILLER	NC0244	0 -3	FSL, SL, L	.24	2	5	86	B
		0 -3	CN-FSL, CN-SL, CN-L	.15	2	5	56	
		3 -23	CL, L, CN-L	.28				
		23-33	FSL, CN-SL, CNV-SL	.15				
		33	WB					
HARTSELLS	AL0039	0 -13	L	.28	2	-	-	B
		0 -13	SL, FSL	.20	2	-	-	
		13-30	FSL, L, SCL	.32				
		30-36	SL, L, SCL	.32				
		36	WB					
HATBORO	PA0016	0 -9	SIL, L, SL	.49	4	-	-	D
		9 -44	SIL, SICL, SCL	.32				
		44-56	SCL, SL, SIL	.20				
		56-70	SR-C-GS-	.20				

EROSION FACTORS, WIND ERODIBILITY, AND HYDROLOGIC GROUP
FOR THE STATE OF NORTH CAROLINA

SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	EROSION FACTORS T	WIND ERODIBILITY GROUP WEG	WIND ERODIBILITY INDEX I	HYDROLOGIC GROUP
HAYESVILLE	NC0013	0 -5	CL, SCL	.24	5	3	86	B
		0 -5	GR-L, GR-FSL, GR-SL	.20	5	3	86	
		0 -5	L, FSL, VFSL	.20	5	3		
		5 -38	CL, C	.24				
		38-48	SCL, CL, L	.20				
		48-60	FSL, L, SCL	.17				
HAYESVILLE, STONY	NC0151	0 -5	STV-L, STV-FSL, ST-L	.16	4	6	-	C
		0 -5	ST-CL, ST-SCL, CB-CL	.16	4	6	-	
		5 -38	CL, C	.28				
		38-48	SCL, CL	.28				
		48-60	FSL, L	.24				
HAYWOOD	NC0094	0 -60	SL, FSL, L	.24	5	-	-	B
		0 -60	GR-L, GR-FSL, GR-SL	.15	5	-	-	
HAYWOOD, STONY	NC0095	0 -60	ST-SL, ST-FSL, ST-L	.15	5	-	-	B
HELENA	NC0058	0 -12	SL, FSL, L	.24	4	3	86	C
		0 -12	LS, LCOS	.15	4	2	134	
		0 -12	SCL, CL	.28	3	5	86	
		12-19	SCL, CL	.28				
		19-43	CL, SC, C	.28				
		43-60	VAR					
HELENA, GRAVELLY	NC0178	0 -12	GR-FSL, GR-L, GR-COSL	.15	4	3	86	C
		0 -12	GR-LCOS, GR-LS, GR-S	.10	4	2	134	
		0 -12	GR-CL, GR-SCL	.20	3	5	86	
		12-19	SCL, CL, SL	.28				
		19-43	CL, SC, C	.28				
		43-60	VAR					
HEMPHILL	NC0222	0 -13	FSL, L, SIL	.32	5	5	56	D
		0 -13	SICL, CL	.28	5	6	48	
		13-44	C, SIC, CL	.28				
		44-64	FSL, L, CL	.24				
		64-80	VAR					
HERMON	SC0017	0 -9	ST-L, ST-SIL, ST-VFSL	.24	5	8	-	B
		0 -9	L, SIL, VFSL	.43	5	5	56	
		0 -9	SICL	.49	4	6	46	
		9 -48	SICL, SIC, C	.28				
		48-68	SIL, L, FSL	.32				
HIBRITEN	NC0163	0 -12	CBV-SL, STV-SL	.10	2	3	86	B
		0 -12	GR-SL	.10	2	3	86	
		0 -12	CB-SL	.10	2	3	86	
		12-24	CBV-CL, CBV-SCL, CBV-L	.10				
		24-40	WB					
		40	WB					

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SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	EROSION FACTORS T	WIND ERODIBILITY GROUP WEG	WIND ERODIBILITY INDEX I	HYDROLOGIC GROUP
HIWASSEE	NC0057	0 -7	SL, FSL	.28	5	3	86	B
		0 -7	SIL	.32	5	5	56	
		0 -7	CL, SCL, L	.28	5	6	48	
		7 -61	C, SIC, CL	.28				
		61-70	SL, L, SCL	.28				
HIWASSEE, COBBLY	NC0213	0 -7	CB-SL, CB-FSL	.24	5	3	86	B
		7 -61	C, SIC, CL	.28				
		61-70	SL, L, SCL	.28				
HIWASSEE, GRAVELLY	NC0105	0 -7	GR-CL, GR-L, GR-SCL	.24	5	-	-	B
		7 -61	C, SIC, CL	.28				
		61-70	SL, L, SCL	.28				
HOBCAW, FLOODED	SC0108	0 -18	LFS, LS	.10	5	2	134	D
		0 -18	SL, FSL, L	.17	5	3	86	
		18-46	SCL, CL, FSL	.24				
		46-88	VAR					
HODONHY	SC0061	0 -2	L, SIL, MK-SIL	.37	5	2	134	D
		0 -2	SICL, SIC	.28	5	2	134	
		0 -2	MUCK	-	-	2	134	
		2 -90	SP	.15				
HODUCKEN	NC0163	0 -10	MK-FSL, MK-L, MK-SL	.10	5	-	-	D
		0 -10	FSL, L, SIL	.10	5	-	-	
		10-58	FSL, L, SIL	.10				
		58-80	VAR					
HOFFMAN (USE GILEAD)								
HORNSBORO	NC0250	0 -10	SL, FSL	.24	5	3	86	D
		0 -10	L, SIL, VFSL	.37	5	5	56	
		10-62	C, SIC, SICL	.32				
		62-70	SCL, CL, GR-SCL	.24				
		70-80	VAR					
HUNTDALE	NC0245	0 -9	L, SL, CL	.20	5	6	48	B
		0 -9	GR-L, GR-SL, GR-CL	.15	5	6	48	
		9 -75	CL, L, SIL	.24				
		75-80	SL, FSL, L	.20				
HYDE	NC0084	0 -17	L, SIL, VFSL	.17	5	5	56	B/D
		0 -17	MK-L	.17	5	5	56	
		17-54	CL, L, SICL	.43				
		54-72	VAR					
ICARIA	NC0140	0 -11	FSL, SL, L	.17	5	5	56	D
		11-25	SCL, CL, L	.28				
		25-29	LS, S, LFS	.17				
		29-62	S, FS	.17				

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SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	T	WIND ERODIBILITY GROUP WEG	INDEX I	HYDROLOGIC GROUP
IMMOKALEE	FL0058	0 -6	FS, S	.10	5	2	134	B/D
		6 -36	FS, S	.10				
		36-54	FS, S	.10				
		54-72	FS, S	.10				
IMMOKALEE, DEPRESSIONAL	FL0300	0 -6	FS, S	.10	5	2	134	D
		6 -38	FS, S	.10				
		38-54	FS, S, LFS	.15				
		54-72	FS, S	.10				
INVERSHIEL	NC0125	0 -8	LS, LFS	.15	3	-	-	C
		0 -8	SL, FSL	.20	3	-	-	
		8 -30	CL, SC, C	.24				
		30-65	MARL					
IOTLA	NC0140	0 -10	FSL, L, SL	.15	5	5	86	D
		10-31	FSL, L, SL	.15				
		31-35	LS, S	.10				
		35-60	FSL, L, SL	.15				
IREDELL	SC0016	0 -7	GR-L, ST-L	.24	3	8	-	C/D
		0 -7	FSL, SL	.28	3	3	86	
		0 -7	L, SIL, CL	.32	3	6	40	
		7 -24	C	.20				
		24-27	L, SCL, CL	.28				
		27-62	VAR					
IUKA	AL0019	0 -13	LS, LFS	.17	5	-	-	C
		0 -13	FSL, SL	.24	5	-	-	
		0 -13	L, SIL	.37	5	-	-	
		13-22	FSL, L, SL	.28				
		22-60	SL, FSL, L	.20				
IZAGORA	AL0081	0 -11	VFSL, FSL, SL	.28	5	3	86	C
		0 -11	LS, LFS	.15	5	2	134	
		0 -11	L, SIL	.37	5	8	86	
		11-46	L, CL, SICL	.32				
		46-91	CL, C	.32				
JEFFREY	TN0093	0 -25	L, FSL, SL	.17	2	-	-	B
		0 -25	CB-L, CB-FSL, CB-SL	.17	2	-	-	
		0 -25	CH-L, CH-FSL	.17				
		0 -25	ST-L, ST, FSL	.17				
		25-32	CB-SL, CB-L, CB-FSL	.17				
		32	UWB					

EROSION FACTORS, WIND ERODIBILITY, AND HYDROLOGIC GROUP
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SOIL NAME	RECORD NUMBER	LAYER DEPTH	USDA TEXTURE	EROSION FACTORS K	EROSION FACTORS Y	WIND ERODIBILITY GROUP (WEG)	WIND ERODIBILITY INDEX (I)	HYDROLOGIC GROUP
JOHNS	NC0073	0 -15	LS, LFS	.16	5	2	134	C
		0 -15	SL, FSL	.20	5	3	86	
		15-32	SCL, SL, CL	.24				
		32-60	S, LS, COS	.10				
JOHNSTON	NC0043	0 -30	MK-L	.17	5	5	56	D
		0 -30	L, SL, FSL	.20	5	5	56	
		30-34	SR-LS-S	.17				
		34-60	SR-FSL-SL	.17				
JUMALUSKA	NC0181	0 -11	CH-L, CH-FSL	.15	2	5	56	B
		0 -11	FL-L, FL-FSL	.15	2	6	-	
		0 -11	L, FSL, SIL	.20	2	5	56	
		11-21	CH-L, CH-CL, SCL	.15				
		21-26	CH-L, CH-FSL, FSL	.15				
		26-31	WB					
KALMIA	NC0074	0 -14	LS, LFS	.15	5	-	-	B
		0 -14	SL, FSL	.20	5	-	-	
		14-32	SCL, L, SL	.24				
		32-60	LS, S	.10				
KALMIA, WET SUBSTRATUM	NC0137	0 -22	LS, LFS, FSL	.16	5	2	134	D
		22-34	SCL	.24				
		34-72	LS, S	.10				
KEENER	TN0177	0 -10	L, FSL	.24	5	-	-	B
		0 -10	CB-L, CB-FSL	.20	5	-	-	
		10-50	CB-CL, CB-SCL	.20				
		50-63	CBV-CL, CBV-SCL	.20				
KEMPSVILLE	VA0002	0 -14	SL, FSL	.28	4	3	86	B
		0 -14	VFSL, L	.32	4	3	86	
		14-20	SL, FSL, L	.24				
		20-55	SCL, L, FSL	.24				
		55-60	SR-LS-SCL	.24				
KEMPSVILLE, GRAVELLY	VA0182	0 -14	GR-SL, GR-FSL	.24	4	4	86	B
		0 -14	GR-VFSL, GR-L	.28	4	4	86	
		14-20	GR-SL, GR-FSL, GR-L	.24				
		20-55	GR-SCL, GR-FSL, GR-L	.24				
		55-68	SR-GR-LS-GR-SCL	.24				
KENANSVILLE	NC0075	0 -24	LS, LFS	.15	5	-	-	A
		0 -24	FS, S	.15	5	-	-	
		24-36	SL, FSL, SCL	.15				
		36-60	S, LS, LFS	.10				
KENANSVILLE, WET SUBSTRATUM	NC0138	0 -23	FS, LS, LFS	.15	5	2	134	A
		23-66	SL, FSL, SCL	.15				
		66-72	S, LS	.10				