

HIGHLY ERODIBLE LANDS
 Iredell County, North Carolina

Map Unit Symbol	Map Unit Name	Slope % low	Slope % high	T factor	K factor	LS(EI=8)	Status
BgE	Braddock cobbly fine sandy loam, 15 to 25 percent slopes, stony	15	25	4	.24	0.56	HEL
BnD	Braddock-Clifford complex, 8 to 15 percent slopes	8	15	4	.32	0.42	HEL
BrF	Brevard-Greenlee complex, 25 to 60 percent slopes, very bouldery	25	60	5	.10	1.67	HEL
CaC	Cecil sandy loam, 6 to 10 percent slopes	6	10	4	.28	0.48	HEL
CeC2	Cecil sandy clay loam, 6 to 10 percent slopes, moderately eroded	6	10	3	.28	0.36	HEL
CgE	Cecil-Urban land complex, 10 to 25 percent slopes	10	25	3	.28	0.36	HEL
CiF	Cleveland-Rock outcrop complex, 8 to 90 percent slopes	8	90	1	.17	0.20	HEL
CkC	Clifford sandy loam, 6 to 10 percent slopes	6	10	4	.28	0.48	HEL
CmC2	Clifford sandy clay loam, 6 to 10 percent slopes, moderately eroded	6	10	3	.28	0.36	HEL
CrE	Clifford-Urban land complex, 10 to 25 percent slopes	10	25	3	.28	0.36	HEL
CwE	Cowee-Saluda complex, 8 to 25 percent slopes, stony	8	25	2	.20	0.33	HEL
CwF	Cowee-Saluda complex, 25 to 60 percent slopes, stony	25	60	2	.20	0.33	HEL
DfC2	Danripple sandy clay loam, 6 to 10 percent slopes, moderately eroded	6	10	4	.24	0.56	HEL
DfD2	Danripple sandy clay loam, 10 to 15 percent slopes, moderately eroded	10	15	3	.32	0.31	HEL
EsD	Enott-Spriggs complex, 6 to 15 percent slopes, stony	6	15	3	.32	0.31	HEL
EvE	Evard-Cowee complex, 8 to 25 percent slopes, stony	8	25	4	.28	0.48	HEL
EvF	Evard-Cowee complex, 25 to 60 percent slopes, stony	25	60	5	.15	1.11	HEL
FaE	Fairview sandy loam, 15 to 25 percent slopes	15	25	3	.20	0.50	HEL
FrC2	Fairview sandy clay loam, 6 to 10 percent slopes, moderately eroded	6	10	2	.24	0.28	HEL
FrD2	Fairview sandy clay loam, 10 to 15 percent slopes, moderately eroded	10	15	2	.24	0.28	HEL
FwD2	Fairview sandy clay loam, 8 to 15 percent slopes, moderately eroded	8	15	2	.24	0.28	HEL
FwE2	Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded	15	25	2	.24	0.28	HEL
FyF	Fairview-Stott Knob complex, 25 to 45 percent slopes	25	45	3	.20	0.50	HEL
HwC	Hiwassee fine sandy loam, 6 to 10 percent slopes	6	10	5	.28	0.60	HEL
HwD	Hiwassee fine sandy loam, 10 to 15 percent slopes	10	15	5	.28	0.60	HEL
IrC	Iredell loam, 6 to 10 percent slopes	6	10	3	.32	0.31	HEL

Map Unit Symbol	Map Unit Name	Slope % low	Slope % high	T factor	K factor	LS(EI=8)	Status
LcC2	Lloyd clay loam, 6 to 10 percent slopes, moderately eroded	6	10	5	.28	0.60	HEL
LcD2	Lloyd clay loam, 10 to 15 percent slopes, moderately eroded	10	15	5	.28	0.60	HEL
LcE2	Lloyd clay loam, 15 to 25 percent slopes, moderately eroded	15	25	5	.28	0.60	HEL
LuE	Lloyd-Urban land complex, 10 to 25 percent slopes	10	25	5	.28	0.60	HEL
MaD4	Madison-Udorthents complex, 2 to 15 percent slopes, gullied	2	15	2	.28	0.24	HEL
MaE4	Madison-Udorthents complex, 15 to 25 percent slopes, gullied	15	25	3	.28	0.36	HEL
MaF4	Madison-Udorthents complex, 25 to 45 percent slopes, gullied	25	45	3	.28	0.36	HEL
MeD2	Mecklenburg clay loam, 8 to 15 percent slopes, moderately eroded	8	15	2	.28	0.24	HEL
MoE	Mocksville-Spriggs complex, 15 to 25 percent slopes, stony	15	25	3	.28	0.36	HEL
MoF	Mocksville-Spriggs complex, 25 to 45 percent slopes, stony	25	45	3	.28	0.36	HEL
PaE	Pacolet sandy loam, 15 to 25 percent slopes	15	25	3	.20	0.50	HEL
PaF	Pacolet sandy loam, 25 to 45 percent slopes	25	45	3	.20	0.50	HEL
PcC2	Pacolet sandy clay loam, 6 to 10 percent slopes, moderately eroded	6	10	2	.24	0.28	HEL
PcD2	Pacolet sandy clay loam, 10 to 15 percent slopes, moderately eroded	10	15	2	.24	0.28	HEL
PcE2	Pacolet sandy clay loam, 15 to 25 percent slopes, moderately eroded	15	25	2	.24	0.28	HEL
PgE	Pacolet-Bethlehem-Spartanburg complex, 15 to 25 percent slopes, stony	15	25	3	.20	0.50	HEL
PrD	Poindexter-Rowan complex, 8 to 15 percent slopes	8	15	3	.37	0.27	HEL
PrE	Poindexter-Rowan complex, 15 to 25 percent slopes	15	25	3	.37	0.27	HEL
PrF	Poindexter-Rowan complex, 25 to 45 percent slopes	25	45	3	.37	0.27	HEL
PxD4	Poplar Forest-Udorthents complex, 2 to 15 percent slopes, gullied	2	15	2	.28	0.24	HEL
PxE4	Poplar Forest-Udorthents complex, 15 to 25 percent slopes, gullied	15	25	3	.28	0.36	HEL
PxF4	Poplar Forest-Udorthents complex, 25 to 45 percent slopes, gullied	25	45	3	.28	0.36	HEL
RaC	Rasalo-Zion complex, 6 to 10 percent slopes	6	10	3	.24	0.42	HEL
RcD	Rhodhiss sandy loam, 8 to 15 percent slopes	8	15	3	.24	0.42	HEL
RcE	Rhodhiss sandy loam, 15 to 25 percent slopes	15	25	3	.24	0.42	HEL
RhF	Rhodhiss-Stott Knob complex, 25 to 60 percent slopes, stony	25	60	3	.20	0.50	HEL
RiD	Rion sandy loam, 8 to 15 percent slopes	8	15	3	.24	0.42	HEL
RiF	Rion sandy loam, 15 to 45 percent slopes	15	45	3	.24	0.42	HEL
ScD	Spartanburg-Cecil-Bethlehem complex, 8 to 15 percent slopes, stony	8	15	3	.15	0.67	HEL

Map Unit Symbol	Map Unit Name	Slope % low	Slope % high	T factor	K factor	LS(EI=8)	Status
SwF	Stott Knob-Westfield complex, 25 to 60 percent slopes, stony	25	60	2	.20	0.33	HEL
ToC2	Tomlin sandy clay loam, 6 to 10 percent slopes, moderately eroded	6	10	5	.28	0.60	HEL
ToD2	Tomlin sandy clay loam, 10 to 15 percent slopes, moderately eroded	10	15	5	.28	0.60	HEL
ToE2	Tomlin sandy clay loam, 15 to 25 percent slopes, moderately eroded	15	25	5	.28	0.60	HEL
TuE	Tomlin-Urban land complex, 10 to 25 percent slopes	10	25	5	.28	0.60	HEL
WfD2	Woolwine-Fairview-Westfield complex, 8 to 15 percent slopes, moderately eroded	8	15	2	.15	0.44	HEL
WoE	Woolwine-Fairview-Westfield complex, 15 to 25 percent slopes, stony	15	25	2	.15	0.44	HEL
WtD	Wynott-Enon complex, 8 to 15 percent slopes	8	15	3	.28	0.36	HEL
YaC2	Yadkin sandy clay loam, 6 to 10 percent slopes, moderately eroded	6	10	5	.28	0.60	HEL
YaD2	Yadkin sandy clay loam, 10 to 15 percent slopes, moderately eroded	10	15	5	.28	0.60	HEL
ApB	Appling sandy loam, 2 to 6 percent slopes	2	6	4	.24	0.56	PHEL
BaC	Bandana-Tate-Nikwasi complex, 0 to 15 percent slopes, frequently flooded	0	15	4	.10	1.33	PHEL
BbB	Banister-Wate complex, 2 to 6 percent slopes, rarely flooded	2	6	5	.28	0.60	PHEL
BcB	Banister-Urban land complex, 0 to 10 percent slopes, rarely flooded	0	10	5	.28	0.60	PHEL
BeB	Bentley-Clifford complex, 2 to 6 percent slopes	2	6	4	.24	0.56	PHEL
BkB	Braddock-Appomattox complex, 2 to 8 percent slopes	2	8	4	.32	0.42	PHEL
BrE	Brevard-Greenlee complex, 8 to 25 percent slopes, very bouldery	8	25	5	.10	1.67	PHEL
CaB	Cecil sandy loam, 2 to 6 percent slopes	2	6	4	.28	0.48	PHEL
CeB2	Cecil sandy clay loam, 2 to 6 percent slopes, moderately eroded	2	6	3	.28	0.36	PHEL
CfB	Cecil-Bethlehem-Spartanburg complex, 2 to 8 percent slopes	2	8	4	.28	0.48	PHEL
CgC	Cecil-Urban land complex, 2 to 10 percent slopes	2	10	3	.28	0.36	PHEL
CkB	Clifford sandy loam, 2 to 6 percent slopes	2	6	4	.28	0.48	PHEL
CmB2	Clifford sandy clay loam, 2 to 6 percent slopes, moderately eroded	2	6	3	.28	0.36	PHEL
CrC	Clifford-Urban land complex, 2 to 10 percent slopes	2	10	3	.28	0.36	PHEL
DeB	Danripple sandy loam, 2 to 6 percent slopes	2	6	4	.24	0.56	PHEL
DkB	Davie sandy loam, 1 to 6 percent slopes	1	6	3	.28	0.36	PHEL
DrB	Dorian fine sandy loam, 0 to 6 percent slopes, rarely flooded	0	6	5	.28	0.60	PHEL
DuC	Dorian-Urban land complex, 0 to 10 percent slopes, rarely flooded	0	10	5	.28	0.60	PHEL
FrB2	Fairview sandy clay loam, 2 to 6 percent slopes, moderately eroded	2	6	2	.24	0.28	PHEL

Map Unit Symbol	Map Unit Name	Slope % low	Slope % high	T factor	K factor	LS(EI=8)	Status
FwB2	Fairview sandy clay loam, 2 to 8 percent slopes, moderately eroded	2	8	2	.24	0.28	PHEL
HwB	Hiwassee fine sandy loam, 2 to 6 percent slopes	2	6	5	.28	0.60	PHEL
IrB	Iredell loam, 2 to 6 percent slopes	2	6	3	.32	0.31	PHEL
LcB2	Lloyd clay loam, 2 to 6 percent slopes, moderately eroded	2	6	5	.28	0.60	PHEL
LuC	Lloyd-Urban land complex, 2 to 10 percent slopes	2	10	5	.28	0.60	PHEL
MdB	Masada fine sandy loam, 2 to 6 percent slopes	2	6	4	.24	0.56	PHEL
MdC	Masada fine sandy loam, 6 to 10 percent slopes	6	10	5	.24	0.69	PHEL
MeB2	Mecklenburg clay loam, 2 to 8 percent slopes, moderately eroded	2	8	2	.28	0.24	PHEL
MeB2	Mecklenburg clay loam, 2 to 8 percent slopes, moderately eroded	2	8	2	.28	0.24	PHEL
PcB2	Pacolet sandy clay loam, 2 to 6 percent slopes, moderately eroded	2	6	2	.24	0.28	PHEL
RaB	Rasalo-Zion complex, 2 to 6 percent slopes	2	6	3	.24	0.42	PHEL
ToB2	Tomlin sandy clay loam, 2 to 6 percent slopes, moderately eroded	2	6	5	.28	0.60	PHEL
TuC	Tomlin-Urban land complex, 2 to 10 percent slopes	2	10	5	.28	0.60	PHEL
UfB	Udorthents-Urban land complex, 0 to 6 percent slopes, rarely flooded	0	6				PHEL
WfB2	Woolwine-Fairview-Westfield complex, 2 to 8 percent slopes, moderately eroded	2	8	2	.15	0.44	PHEL
WtB	Wynott-Enon complex, 2 to 8 percent slopes	2	8	3	.28	0.36	PHEL
YaB2	Yadkin sandy clay loam, 2 to 6 percent slopes, moderately eroded	2	6	5	.28	0.60	PHEL

This list appends the attached Highly Erodible Lands List issued April 1988, and reflects the correlated and published map units.

HEL – Highly Erodible

PHEL – Potentially Highly Erodible

HIGHLY ERODIBLE LANDS
 Iredell County, North Carolina

Map Unit Symbol	Map Unit Name	Slope %	"K"	"T"	$1/LS = \frac{8T}{RK}$
<u>A. Highly Erodible</u>					
AmC3	Appling sandy clay loam, severely eroded	6-10	.28	3	.36
AmD3	Appling sandy clay loam, severely eroded	10-15	.28	3	.35
AsC	Appling sandy loam	6-10	.24	4	.55
AsC2	Appling sandy loam, eroded	6-10	.24	4	.55
AsD	Appling sandy loam	10-15	.24	4	.56
AsD2	Appling sandy loam, eroded	10-15	.24	4	.56
AsE	Appling sandy loam	15-25	.24	4	.56
AsE2	Appling sandy loam, eroded	15-25	.24	4	.56
CcC3	Cecil clay loam, severely eroded	6-10	.28	3	.36
CcD3	Cecil clay loam, severely eroded	10-15	.28	3	.36
CcE3	Cecil clay loam, severely eroded	15-25	.28	3	.36
CfC	Cecil fine sandy loam	6-10	.28	4	.48
CfC2	Cecil fine sandy loam eroded	6-10	.28	4	.48
CfD	Cecil fine sandy loam	10-15	.28	4	.48
CfD2	Cecil fine sandy loam, eroded	10-15	.28	4	.48
CgD	Cecil gravelly fine sandy loam	10-15	.15	4	.89
CgD2	Cecil gravelly fine sandy loam, eroded	10-15	.15	4	.89

CgE	Cecil gravelly fine sandy loam	15-25	.15	4	.89
CgE2	Cecil gravelly fine sandy loam, eroded	15-25	.15	4	.89
CmC	Cecil sandy loam	6-10	.28	4	.48
CmC2	Cecil sandy loam, eroded	6-10	.28	4	.48
CmD	Cecil sandy loam	10-15	.28	4	.48
CmD2	Cecil sandy loam, eroded	10-15	.28	4	.48
CsE	Cecil soils	15-25	.28	4	.48
CsE2	Cecil soils, eroded	15-25	.28	4	.48
CsF	Cecil soils	25-45	.28	4	.48
CsF2	Cecil soils, eroded	25-45	.28	4	.48
CtD2	Cecil stony fine sandy loam, eroded	10-15	.28	4	.48
CuE	Cecil stony fine sandy loam	25-45	.28	4	.48
CuF	Cecil stony fine sandy loam	25-45	.28	4	.48
DaC2	Davidson clay loam, eroded	6-10	.28	5	.60
HwC2	Hiwassee loam, eroded	6-10	.28	5	.60
LcC3	Hiwassee clay loam, eroded	6-10	.28	5	.60
LcD3	Hiwassee clay loam, severely eroded	10-15	.28	5	.60
LcE3	Hiwassee clay loam, severely eroded	15-25	.28	5	.60
LfC	Hiwassee fine sandy loam	6-10	.28	5	.60
LfC2	Hiwassee fine sandy loam, eroded	6-10	.28	5	.60
LfD	Hiwassee fine sandy loam	10-15	.28	5	.60
LfD2	Hiwassee fine sandy loam, eroded	10-15	.28	5	.60

LfE	Hiwassee fine sandy loam	15-25	.28	5	.60
LfE2	Hiwassee fine sandy loam, eroded	15-25	.28	5	.60
LmC	Hiwassee loam	6-10	.28	5	.60
LmC2	Hiwassee loam, eroded	6-10	.28	5	.60
LmD	Hiwassee loam	10-15	.28	5	.60
LmD2	Hiwassee loam, eroded	10-15	.28	5	.60
LmE	Hiwassee loam	15-25	.28	5	.60
LmE2	Hiwassee loam, eroded	15-25	.28	5	.60
IrC2	Iredell loam, eroded	6-10	.32	3	.31
LuC	Louisburg & Louisa soils	6-10	.24	3	.42
LuD	Louisburg & Louisa soils	10-15	.24	3	.42
LuE	Louisburg & Louisa soils	15-25	.24	3	.42
LuF	Louisburg & Louisa soils	25-55	.24	3	.42
MdE	Madison gravelly fine sandy loam	15-25	.15	4	.89
MdE2	Madison gravelly fine sandy loam, eroded	15-25	.15	4	.89
MdF	Madison gravelly fine sandy loam	25-45	.15	4	.89
MhD3	Mecklenburg clay loam, severely eroded	6-15	.28	2	.24
MkC2	Mecklenburg loam, eroded	6-10	.24	4	.56
MkD2	Mecklenburg loam, eroded	10-15	.24	4	.56
MoC	Moderately gullied land, rolling		.28	2	.24
MoD	Moderately gullied land, hilly		.28	2	.24
Sg	Severely gullied land		.28	2	.24

WkC	Wilkes soils	6-10	.28	1	.12
WkD	Wilkes soils	10-15	.28	1	.12
WkE	Wilkes soils	15-25	.28	1	.12
WkF	Wilkes soils	25-55	.28	1	.12

B. Potentially Highly Erodible

AfB	Altavista fine sandy loam	2-6	.24	5	.69
AfB2	Altavista fine sandy loam, eroded	2-6	.24	5	.69
AsB	Appling sandy loam	2-6	.24	4	.56
AsB2	Appling sandy loam, eroded	2-6	.24	4	.56
CcB3	Cecil clay loam, severely eroded	2-6	.28	3	.36
CfB	Cecil fine sandy loam	2-6	.28	4	.48
CfB2	Cecil fine sandy loam, eroded	2-6	.28	4	.48
CgB	Cecil gravelly fine sandy loam	2-6	.15	4	.69
CgB2	Cecil gravelly fine sandy loam, eroded	2-6	.15	4	.69
CgC	Cecil gravelly fine sandy loam	6-10	.15	4	.69
CgC2	Cecil gravelly fine sandy loam, eroded	6-10	.15	4	.69
CmB	Cecil sandy loam	2-6	.28	4	.48
CmB2	Cecil sandy loam, eroded	2-6	.28	4	.48
DaB2	Davidson clay loam, eroded	2-6	.28	5	.60

HwB2	Hiwassee loam, eroded	2-6	.28	5	.60
LcB3	Hiwassee clay loam, severely eroded	2-6	.28	5	.60
LfB	Hiwassee fine sandy loam	2-6	.28	5	.60
LfB2	Hiwassee fine sandy loam, eroded	2-6	.28	5	.60
LmB	Hiwassee loam	2-6	.28	5	.60
LmB2	Hiwassee loam, eroded	2-6	.28	5	.60
IrB2	Iredell loam, eroded	2-6	.32	3	.31
MdB	Madison gravelly fine sandy loam	2-6	.15	4	.89
MdB2	Madison gravelly fine sandy loam, eroded	2-6	.15	4	.89
MdC	Madison gravelly fine sandy loam	6-10	.15	4	.89
MdC2	Madison gravelly fine sandy loam, eroded	6-10	.15	4	.89
MdD	Madison gravelly fine sandy loam	10-15	.15	4	.89
MdD2	Madison gravelly fine sandy loam, eroded	10-15	.15	4	.89
MfB2	Mayodan sandy loam, eroded	2-6	.24	4	.56
MkB2	Mecklenburg loam, eroded	2-6	.24	4	.56
WfB	Wickham fine sandy loam	2-6	.24	5	.69
WfB2	Wickham fine sandy loam, eroded	2-6	.24	5	.69
WfC2	Wickham fine sandy loam, eroded	6-10	.24	5	.69

1/ $LS = \frac{8I}{RK}$ is the formula for determining the LS factor for an EI (erosion index) of 8.