

HIGHLY ERODIBLE LANDS
 Caldwell County, North Carolina

Map Unit Symbol	Map Unit Name	Slope % low	Slope % high	T factor	K factor	LS(EI=8)	Status
AcD	Ashe-Chestnut complex, 15 to 30 percent slopes, very rocky	15	30	2	.17	0.41	HEL
AcE	Ashe-Chestnut complex, 30 to 50 percent slopes, very rocky	30	50	2	.17	0.41	HEL
AcF	Ashe-Chestnut complex, 50 to 95 percent slopes, very rocky	50	95	2	.17	0.41	HEL
ArF	Ashe-Cleveland-Rock outcrop complex, 30 to 95 percent slopes, extremely bouldery	30	95	2	.17	0.41	HEL
BaE	Balsam very cobbly loam, windswept, 30 to 50 percent slopes, extremely bouldery	30	50	5	.02	8.70	HEL
BeC	Bentley-Nathalie complex, 8 to 15 percent slopes	8	15	4	.24	0.58	HEL
BrC3	Braddock clay loam, 8 to 15 percent slopes, severely eroded	8	15	3	.32	0.33	HEL
BuD	Burton-Craggey-Rock outcrop complex, windswept, 15 to 30 percent slopes, extremely bouldery	15	30	2	.24	0.29	HEL
BuF	Burton-Craggey-Rock outcrop complex, windswept, 30 to 95 percent slopes, extremely bouldery	30	95	2	.24	0.29	HEL
CaF	Chestnut-Ashe complex, 50 to 95 percent slopes, very stony	50	95	2	.17	0.41	HEL
CeC	Chestnut-Buladean complex, 8 to 15 percent slopes, rocky	8	15	2	.24	0.29	HEL
CeD	Chestnut-Buladean complex, 15 to 30 percent slopes, rocky	15	30	2	.24	0.29	HEL
ChD	Chestnut-Buladean complex, 15 to 30 percent slopes, stony	15	30	2	.17	0.41	HEL
ChE	Chestnut-Buladean complex, 30 to 50 percent slopes, stony	30	50	2	.24	0.29	HEL
ChF	Chestnut-Buladean complex, 50 to 95 percent slopes, stony	50	95	2	.24	0.29	HEL
CkD	Chestnut-Edneyville complex, 15 to 30 percent slopes, stony	15	30	2	.24	0.29	HEL
CkE	Chestnut-Edneyville complex, 30 to 50 percent slopes, stony	30	50	2	.24	0.29	HEL
CmF	Clingman-Craggey-Rock outcrop complex, windswept, 15 to 95 percent slopes, extremely bouldery	15	95	1			HEL
CoD	Cowee-Saluda complex, 15 to 30 percent slopes, stony	15	30	2	.20	0.35	HEL
CoE	Cowee-Saluda complex, 30 to 50 percent slopes, stony	30	50	2	.20	0.35	HEL

Map Unit Symbol	Map Unit Name	Slope % low	Slope % high	T factor	K factor	LS(EI=8)	Status
CrE	Crossnore-Jeffrey complex, 30 to 50 percent slopes, very stony	30	50	3	.17	0.61	HEL
CtD	Cullasaja cobbly loam, 15 to 30 percent slopes, extremely bouldery	15	30	5	.10	1.74	HEL
CtE	Cullasaja cobbly loam, 30 to 50 percent slopes, extremely bouldery	30	50	5	.10	1.74	HEL
DaC2	Danripple sandy clay loam, 8 to 15 percent slopes, moderately eroded	8	15	3	.32	0.33	HEL
EdC	Edneytown-Pigeonroost complex, 8 to 15 percent slopes, stony	8	15	3	.20	0.52	HEL
EdD	Edneytown-Pigeonroost complex, 15 to 30 percent slopes, stony	15	30	3	.20	0.52	HEL
EdE	Edneytown-Pigeonroost complex, 30 to 50 percent slopes, stony	30	50	3	.20	0.52	HEL
EvC	Evard-Cowee complex, 8 to 15 percent slopes, stony	8	15	5	.28	0.62	HEL
EvD	Evard-Cowee complex, 15 to 30 percent slopes, stony	15	30	5	.28	0.62	HEL
EvE	Evard-Cowee complex, 30 to 50 percent slopes, stony	30	50	5	.28	0.62	HEL
FaC2	Fairview sandy clay loam, 8 to 15 percent slopes, moderately eroded	8	15	2	.24	0.29	HEL
FaD2	Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded	15	25	2	.24	0.29	HEL
FeC2	Fairview-Urban land complex, 8 to 15 percent slopes, moderately eroded	8	15	2	.24	0.29	HEL
FeD2	Fairview-Urban land complex, 15 to 25 percent slopes, moderately eroded	15	25	2	.24	0.29	HEL
GcE	Greenlee very cobbly sandy loam, 30 to 50 percent slopes, extremely bouldery	30	50	5	.10	1.74	HEL
GrE	Greenlee-Tate complex, 30 to 50 percent slopes, extremely stony	30	50	5	.10	1.74	HEL
HeC	Hayesville loam, 8 to 15 percent slopes	8	15	5	.20	0.87	HEL
HeD	Hayesville loam, 15 to 30 percent slopes	15	30	5	.20	0.87	HEL
HwC	Hibriten-Woolwine complex, 8 to 15 percent slopes	8	15	2	.10	0.70	HEL
HwF	Hibriten-Woolwine complex, 15 to 50 percent slopes	15	50	2	.10	0.70	HEL
NnE	Northcove very cobbly loam, 30 to 50 percent slopes, extremely bouldery	30	50	5	.10	1.74	HEL
NoD	Northcove-Maymead complex, 15 to 30 percent slopes, extremely stony	15	30	5	.10	1.74	HEL
PnD	Pineola gravelly loam, 15 to 30 percent slopes, stony	15	50	3	.15	0.70	HEL
RhD	Rhodhiss sandy loam, 15 to 25 percent slopes	15	25	3	.24	0.43	HEL
RhE	Rhodhiss sandy loam, 25 to 45 percent slopes	25	50	3	.24	0.43	HEL
SoD	Soco-Ditney complex, 15 to 30 percent slopes, very stony	15	30	2	.15	0.46	HEL
SoE	Soco-Ditney complex, 30 to 50 percent slopes, very stony	30	50	2	.15	0.46	HEL

Map Unit Symbol	Map Unit Name	Slope % low	Slope % high	T factor	K factor	LS(EI=8)	Status
SoF	Soco-Ditney complex, 50 to 95 percent slopes, very stony	50	95	2	.15	0.46	HEL
TaD	Tate fine sandy loam, 8 to 30 percent slopes	8	30	5	.24	0.72	HEL
TgD	Tate-Greenlee complex, 15 to 30 percent slopes, very stony	15	30	5	.17	1.02	HEL
UkD	Unaka-Porters complex, 15 to 30 percent slopes, very rocky	15	30	2	.17	0.41	HEL
UkE	Unaka-Porters complex, 30 to 50 percent slopes, very rocky	30	50	2	.17	0.41	HEL
UkF	Unaka-Porters complex, 50 to 95 percent slopes, very rocky	50	95	2	.17	0.41	HEL
WoC	Woolwine-Fairview complex, 8 to 15 percent slopes	8	15	2	.15	0.46	HEL
WoD	Woolwine-Fairview complex, 15 to 25 percent slopes	15	25	2	.15	0.46	HEL
WuC	Woolwine-Fairview-Urban land complex, 8 to 15 percent slopes	8	15	2	.15	0.46	HEL
WuD	Woolwine-Fairview-Urban land complex, 15 to 25 percent slopes	15	25	2	.15	0.46	HEL
YaD2	Yadkin clay loam, 8 to 15 percent slopes, moderately eroded	8	15	5	.28	0.62	HEL
BcB	Banister fine sandy loam, 2 to 8 percent slopes, rarely flooded	2	8	5	.28	0.62	PHEL
BeB	Bentley-Nathalie complex, 2 to 8 percent slopes	2	8	4	.24	0.58	PHEL
BrB3	Braddock clay loam, 2 to 8 percent slopes, severely eroded	2	8	3	.32	0.33	PHEL
DaB2	Danripple sandy clay loam, 2 to 8 percent slopes, moderately eroded	2	8	3	.32	0.33	PHEL
DcC2	Danripple-Urban land complex, 2 to 15 percent slopes, moderately eroded	2	15	3	.32	0.33	PHEL
DrB	Dillard fine sandy loam, 2 to 8 percent slopes, rarely flooded	2	8	4	.32	0.43	PHEL
FaB2	Fairview sandy clay loam, 2 to 8 percent slopes, moderately eroded	2	8	2	.24	0.29	PHEL
FeB	Fairview-Urban land complex, 2 to 8 percent slopes, moderately eroded	2	8	2	.24	0.29	PHEL
GtC	Greenlee-Tate, rarely flooded-Ostin, frequently flooded complex, 1 to 15 percent slopes, extremely stony	1	15	5	.10	1.74	PHEL
PaB	Pfafftown loam, 2 to 8 percent slopes, rarely flooded	2	8	5	.28	0.62	PHEL
StB	Statler loam, 2 to 8 percent slopes, rarely flooded	2	8	5	.32	0.54	PHEL
TaB	Tate fine sandy loam, 2 to 8 percent slopes	2	8	5	.24	0.72	PHEL
TfC	Tate-French, occasionally flooded complex, 2 to 10 percent slopes	2	10	5	.24	0.72	PHEL
WoB	Woolwine-Fairview complex, 2 to 8 percent slopes	2	8	2	.15	0.46	PHEL
YaB2	Yadkin clay loam, 2 to 8 percent slopes, moderately eroded	2	8	5	.28	0.62	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
 Caldwell County, North Carolina

Map Pub.	Unit Symbol	Field S.	Map Unit Name	slope %	"K"	"T"	1/LS= $\frac{ST}{RK}$
A. <u>Highly Erodible (Based on minimum slope length of 60')</u>							
ApD	36C		Appling sandy loam	8-15	.24	4	.58
AsF	75E		Ashe stony sandy loam	25-40	.17	2	.40
AsG	75F		Ashe stony sandy loam	40-80	.17	2	.40
BtF	99E (PcE) 99F (PcF)		Burton stony loam	25-40	.15	2	.46
CaD2	31C 32C2 (31C2)		Cecil sandy loam, eroded	8-15	.28	4	.50
CfD2	3C		Cecil-Urban land complex, eroded	8-15	.28	3	.37
ChG	70F (AhG) 92E		Chestnut gravelly loam	50-80	.17	2	.41
ChE	34D		Chestnut and Edneyville	15-25	.24	2	.29
ChF	72F 34F (70E, AHE)		Chestnut and Edneyville	25-50	.24	2	.29
DnD	23C		Davidson clay loam	8-15	.28	5	.62
EaE	37D		Evard fine sandy loam	15-25	.24	5	.72
EaF	37F		Evard fine sandy loam	25-50	.24	5	.72
ESF	77F		Evard and Saluda fine sandy loam	25-60	.24	5	.72
HaE	32D		Hayesville fine sandy loam	15-25	.20	5	.87
HbD	66C		Hibriten very cobbly sandy loam	8-15	.10	2	.70
HbF	66F		Hibriten very cobbly sandy loam	15-60	.10	2	.70
MaD	22C		Masada loam	8-15	.32	4	.43

PaE	30D	Pacolet fine sandy loam	15-25	.20	3	.52
PaF	30F	Pacolet fine sandy loam	25-40	.20	3	.52
RnE	35D	Rion sandy loam	15-25	.24	3	.43
RnF	35F	Rion sandy loam	25-40	.24	3	.43
RSF	91F (93F, CSG)	Rock-outcrop-Ashe complex	25-80	.17	2	.41
TaE	10D (BtE)	Tate fine sandy loam	8-25	.24	5	.72

B. Potentially Highly Erodible Land

ApB	36B	Appling sandy loam	2-8	.24	4	.58
CeB2	31B 32B2 (31B2)	Cecil sandy loam, eroded	2-8	.28	4	.50
CfB2	3B	Cecil-Urban land complex, eroded	2-8	.28	3	.37
DnB	23B	Davidson clay loam	2-8	.28	5	.62
DoB	54B	Dogue fine sandy loam	2-8	.28	4	.50
HaD	32C	Hayesville fine sandy loam	8-15	.20	5	.87
MaB	22B	Masada loam	2-8	.32	4	.43
SeB	17	State loam	2-8	.28	5	.62
TaB	10C (TaD)	Tate fine sandy loam	2-8	.24	5	.72
UmC	6	Urban land-Masada complex	2-15	.32	4	.43

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