12 WORKSHEET FOR HIGHLY ERODIBLE LAND CLASSIFICATION
HENDERSON COUNTY, TENNESSEE AUGUST 1988 (HCD)
R FACTOR-250 SL-50/200

SYMBOL	MAP UNIT NAME	CONVERSION	K VALUE	T VALUE	MIN SLOPE	MAX SLOPE	LOW LS	HIGH LS	MIN. LS	HEL CLASS	SLOPE LENGTH	AV. SLOPE	AV LS	AV EI
Aa	Almo silt loam		0.49	3	0.0%	2.0%	0.060	0.247	0.196	NHEL	150	1.0%	0.146	5.947
Bb	Beechy silt loam	Bibb	0.2	5	0.0%	2.0%	0.060	0.247	0.800	NHEL	150	1.0%	0.146	1.456
Ba	Beechy fine sandy loam	Bibb	0.2	5	0.0%	2.0%	0.060	0.247	0.800	NHEL	150	1.0%	0.146	1.456
	Calloway silt loam:													
Ca	Gently sloping phase		0.49	3	2.0%	5.0%	0.163	0.757	0.196	HEL	125	3.5%	0.379	15.460
Cb	Eroded gently sloping phase		0.49	3	2.0%	5.0%	0.163	0.757	0.196	HEL	125	3.5%	0.379	15.460
	Cuthbert-Silerton soils:													
Cc	Sloping phases									HEL	100	6.5%	0.748	11.217
	Cuthbert part	Luverne	0.24	4	5.0%	8.0%	0.379	1.406	0.533					
	Silerton part		0.49	5	5.0%	8.0%	0.379	1.406	0.327					
Cd	Severely eroded sloping phases									HEL	100	6.5%	0.748	13.086
	Cuthbert part	Luverne	0.28	4	5.0%	8.0%	0.379	1.406	0.457					
	Silerton part		0.43	5	5.0%	8.0%	0.379	1.406	0.372					
Ce	Strongly sloping phases									HEL	75	10.0%	1.191	17.871
	Cuthbert part	Luverne	0.24	4	8.0%	12.0%	0.703	2.570	0.533					
	Silerton part		0.49	5	8.0%	12.0%	0.703	2.570	0.327					
Cf	Severely eroded strongly sloping phases.									HEL	75	10.0%	1.191	20.849
	Cuthbert part	Luverne	0.28	4	8.0%	12.0%	0.703	2.570	0.457					
	Silerton part		0.43	5	8.0%	12.0%	0.703	2.570	0.372					
Cg, Ck	Moderately steep phases									HEL	50	18.5%	2.587	38.802
	Cuthbert part	Luverne	0.24	4	12.0%	25.0%	1.285	8.626	0.533					
	Silerton part		0.49	5	12.0%	25.0%	1.285	8.626	0.327					
Ch, Cl	Severely eroded moderaely steep phases.									HEL	50	18.5%	2.587	45.268
	Cuthbert part	Luverne	0.28	4	12.0%	25.0%	1.285	8.626	0.457					
	Silerton part		0.43	5	12.0%	25.0%	1.285	8.626	0.372					
	Dexter fine sandy loam:													
Dd	Eroded gently sloping phase		0.43	5	2.0%	5.0%	0.163	0.757	0.372	PHEL	125	3.5%	0.379	8.140
De, Df	Eroded sloping phase		0.43	5	5.0%	8.0%	0.379	1.406	0.372	HEL	100	6.5%	0.748	16.077
	Dexter fine sandy clay loam:													
Da	Severely eroded gently sloping phase.		0.32	4	2.0%	5.0%	0.163	0.757	0.400	PHEL	125	3.5%	0.379	7.572
Db, Dc	Severely eroded sloping phase		0.32	4	5.0%	8.0%	0.379	1.406	0.400	HEL	100	6.5%	0.748	14.956
	Dexter silt loam:													
Dg, Dk	Eroded gently sloping phase		0.43	5	2.0%	5.0%	0.163	0.757	0.372	PHEL	125	3.5%	0.379	8.140
Dh	Sloping phase		0.43	5	5.0%	8.0%	0.379	1.406	0.372	HEL	100	6.5%	0.748	16.077
Dl, Dm	Dexter silty clay loam, severely eroded sloping phase.		0.43	5	5.0%	8.0%	0.379	1.406	0.372	HEL	100	6.5%	0.748	16.077
	Dulac silt loam:													
Dn	Eroded gently sloping deep phase.		0.49	3	2.0%	5.0%	0.163	0.757	0.196	HEL	125	3.5%	0.379	15.460
Do	Sloping deep phase		0.49	3	5.0%	8.0%	0.379	1.406	0.196	HEL	100	6.5%	0.748	30.535
Dp	Eroded sloping deep phase		0.49	3	5.0%	8.0%	0.379	1.406	0.196	HEL	100	6.5%	0.748	30.535
Dr	Strongly sloping deep phase		0.49	3	8.0%	12.0%	0.703	2.570	0.196	HEL	75	10.0%	1.191	48.648
	Dulac silty clay loam:													
Ds	Severely eroded gently sloping deep phase.		0.43	3	2.0%	5.0%	0.163	0.757	0.223	HEL	125	3.5%	0.379	13.567
Dt	Severely eroded sloping deep phase.		0.43	3	5.0%	8.0%	0.379	1.406	0.223	HEL	100	6.5%	0.748	26.796
Du	Severely eroded strongly sloping deep phase.		0.43	3	8.0%	12.0%	0.703	2.570	0.223	HEL	75	10.0%	1.191	42.691
	Dulac-Cuthbert soils:													
Dv, Dw	Severely eroded strongly sloping phases.									HEL	75	10.0%	1.191	48.648

	Dulac part		0.49	3	8.0%	12.0%	0.703	2.570	0.196					
	Cuthbert part	Luverne	0.28	4	8.0%	12.0%	0.703	2.570	0.457					
Dx, Dy	Moderately steep phases									HEL	50	18.5%	2.587	105.626
	Dulac part		0.49	3	12.0%	25.0%	1.285	8.626	0.196					
	Cuthbert part	Luverne	0.24	4	12.0%	25.0%	1.285	8.626	0.533					
	Dulac and Tippah silt loams:													
Dz	Gently sloping phases									HEL	125	3.5%	0.379	15.460
	Dulac part		0.49	3	2.0%	5.0%	0.163	0.757	0.196					
	Tippah part		0.43	5	2.0%	5.0%	0.163	0.757	0.372					
Dla	Eroded gently sloping phases									HEL	125	3.5%	0.379	15.460
	Dulac part		0.49	3	2.0%	5.0%	0.163	0.757	0.196					
	Tippah part		0.43	5	2.0%	5.0%	0.163	0.757	0.372					
Dlb	Sloping phases									HEL	100	6.5%	0.748	30.535
	Dulac part		0.49	3	5.0%	8.0%	0.379	1.406	0.196					
	Tippah part		0.43	5	5.0%	8.0%	0.379	1.406	0.372					
Dlc	Eroded sloping phases									HEL	100	6.5%	0.748	30.535
	Dulac part		0.49	3	5.0%	8.0%	0.379	1.406	0.196					
	Tippah part		0.43	5	5.0%	8.0%	0.379	1.406	0.372					
	Dulac and Tippah silty clay loams:													
Dlf	Severely eroded gently sloping phases.									HEL	125	3.5%	0.379	13.567
	Dulac part		0.43	3	2.0%	5.0%	0.163	0.757	0.223					
	Tippah part		0.43	5	2.0%	5.0%	0.163	0.757	0.372					
Dlg	Severely eroded sloping phases									HEL	100	6.5%	0.748	26.796
	Dulac part		0.43	3	5.0%	8.0%	0.379	1.406	0.223					
	Tippah part		0.43	5	5.0%	8.0%	0.379	1.406	0.372					
Dld, Dle, Dlh	Severely eroded strongly sloping phases.									HEL	100	10.0%	1.376	49.295
	Dulac part		0.43	3	8.0%	12.0%	0.703	2.570	0.223					
	Tippah part		0.43	5	8.0%	12.0%	0.703	2.570	0.372					
Fa, Fc	Freeland fine sandy loam, eroded gently sloping phase.		0.37	3	2.0%	5.0%	0.163	0.757	0.259	PHEL	125	3.5%	0.379	11.674
Fb, Fd	Freeland fine sandy clay loam, severely eroded sloping phase.		0.37	3	5.0%	8.0%	0.379	1.406	0.259	HEL	100	6.5%	0.748	23.057
	Freeland silt loam:													
Fe	Eroded gently sloping phase		0.49	3	2.0%	5.0%	0.163	0.757	0.196	HEL	125	3.5%	0.379	15.460
Ff	Severely eroded gently sloping phase.		0.49	3	2.0%	5.0%	0.163	0.757	0.196	HEL	125	3.5%	0.379	15.460
Fg	Eroded sloping phase		0.49	3	5.0%	8.0%	0.379	1.406	0.196	HEL	100	6.5%	0.748	30.535
Fh	Severely eroded sloping phase		0.49	3	5.0%	8.0%	0.379	1.406	0.196	HEL	100	6.5%	0.748	30.535
Fk	Severely eroded strongly sloping phase.		0.49	3	8.0%	12.0%	0.703	2.570	0.196	HEL	75	10.0%	1.191	48.648
	Gullied land:													
	Moderately gullied land:													
Ga	Cuthbert-Silerton materials									HEL	50	20.0%	2.948	51.595
	Cuthbert part	Luverne	0.28	4	5.0%	35.0%	0.379	15.468	0.457					
	Silerton part		0.43	5	5.0%	35.0%	0.379	15.468	0.372					
Gc	Lexington_Ruston materials									HEL	50	20.0%	2.948	120.388
	Lexington part		0.49	3	5.0%	35.0%	0.379	15.468	0.196					
	Ruston part	Smithdale	0.28	5	5.0%	35.0%	0.379	15.468	0.571					
	Severely gullied land:													
Gb	Cuthbert-Silerton materials									HEL	50	20.0%	2.948	51.595
	Cuthbert part	Luverne	0.28	4	5.0%	35.0%	0.379	15.468	0.457					
	Silerton part		0.43	5	5.0%	35.0%	0.379	15.468	0.372					
Gd	Lexington_Ruston materials									HEL	50	20.0%	2.948	120.388
	Lexington part		0.49	3	5.0%	35.0%	0.379	15.468	0.196					
	Ruston part	Smithdale	0.28	5	5.0%	35.0%	0.379	15.468	0.571					

Ha	Hatchie silt loam, gently sloping phase		0.49	3	2.0%	5.0%	0.163	0.757	0.196	HEL	125	3.5%	0.379	15.460
Hb	Hymon fine sandy loam	Iuka	0.24	5	0.0%	2.0%	0.060	0.247	0.667	NHEL	150	1.0%	0.146	1.748
Hc	Hymon fine sandy loam, local alluvium phase. (2 to 5 percent slopes)	Iuka	0.24	5	0.0%	3.0%	0.060	0.353	0.667	NHEL*	150	1.5%	0.184	2.210
Hd	Hymon silt loam	Collins	0.43	5	0.0%	2.0%	0.060	0.247	0.372	NHEL	150	1.0%	0.146	3.131
He	Hymon silt loam, local alluvium phase. (2 to 5 percent slopes)	Collins	0.43	5	0.0%	3.0%	0.060	0.353	0.372	NHEL*	150	1.5%	0.184	3.959
Ia	Ina fine sandy loam	Mantachie	0.28	5	0.0%	2.0%	0.060	0.247	0.571	NHEL	150	1.0%	0.146	2.039
Ib	Ina fine sandy loam, local alluvium phase. (2 to 5 percent slopes)	Mantachie	0.28	5	0.0%	3.0%	0.060	0.353	0.571	NHEL*	150	1.5%	0.184	2.578
Ic	Ina loamy fine sand, local alluvium phase. (2 to 5 percent slopes)	Mantachie	0.28	5	0.0%	3.0%	0.060	0.353	0.571	NHEL*	150	1.5%	0.184	2.578
Id	Ina silt loam	Mantachie	0.37	5	0.0%	2.0%	0.060	0.247	0.432	NHEL	150	1.0%	0.146	2.694
Ie	Ina silt loam, local alluvium phase. (2 to 5 percent slopes)	Arkabutla	0.43	5	0.0%	3.0%	0.060	0.353	0.372	NHEL*	150	1.5%	0.184	3.959
	Lexington silt loam:													
La	Eroded gently sloping phase		0.49	3	2.0%	5.0%	0.163	0.757	0.196	HEL	125	3.5%	0.379	15.460
Lb	Sloping phase		0.49	3	5.0%	8.0%	0.379	1.406	0.196	HEL	100	6.5%	0.748	30.535
Lc	Eroded sloping phase		0.49	3	5.0%	8.0%	0.379	1.406	0.196	HEL	100	6.5%	0.748	30.535
	Lexington silty clay loam:													
Lf	Severely eroded gently sloping phase.		0.49	3	2.0%	5.0%	0.163	0.757	0.196	HEL	125	3.5%	0.379	15.460
Lg	Severely eroded sloping phase		0.49	3	5.0%	8.0%	0.379	1.406	0.196	HEL	100	6.5%	0.748	30.535
Ld, Le, Lh	Severely eroded strongly sloping phase		0.49	3	8.0%	12.0%	0.703	2.570	0.196	HEL	75	10.0%	1.191	48.648
	Lexington-Ruston soils:													
Lk	Sloping phases									PHEL	100	6.5%	0.748	30.535
	Lexington part		0.49	3	5.0%	8.0%	0.379	1.406	0.196					
	Ruston part	Smithdale	0.28	5	5.0%	8.0%	0.379	1.406	0.571					
Lm	Eroded sloping phases									PHEL	100	6.5%	0.748	30.535
	Lexington part		0.49	3	5.0%	8.0%	0.379	1.406	0.196					
	Ruston part	Smithdale	0.28	5	5.0%	8.0%	0.379	1.406	0.571					
Ln	Severely eroded sloping phases									PHEL	100	6.5%	0.748	30.535
	Lexington part		0.49	3	5.0%	8.0%	0.379	1.406	0.196					
	Ruston part	Smithdale	0.28	5	5.0%	8.0%	0.379	1.406	0.571					
Lo, Lp	Strongly sloping phases									HEL	75	10.0%	1.191	48.648
	Lexington part		0.49	3	8.0%	12.0%	0.703	2.570	0.196					
	Ruston part	Smithdale	0.28	5	8.0%	12.0%	0.703	2.570	0.571					
Lr	Severely eroded strongly sloping phases									HEL	75	10.0%	1.191	48.648
	Lexington part		0.49	3	8.0%	12.0%	0.703	2.570	0.196					
	Ruston part	Smithdale	0.28	5	8.0%	12.0%	0.703	2.570	0.571					
Ls	Moderately steep phases									HEL	50	18.5%	2.587	105.626
	Lexington part		0.19	3	12.0%	25.0%	1.285	8.626	0.505					
	Ruston part	Smithdale	0.28	5	12.0%	25.0%	1.285	8.626	0.571					
Lt	Severely eroded moderately steep phases.									HEL	50	18.5%	2.587	105.626
	Lexington part		0.49	3	12.0%	25.0%	1.285	8.626	0.196					
	Ruston part	Smithdale	0.28	5	12.0%	25.0%	1.285	8.626	0.571					
	Providence silt loam:													
Pa	Eroded gently sloping phase		0.49	3	2.0%	5.0%	0.163	0.757	0.196	HEL	125	3.5%	0.379	15.460
Pb	Severely eroded gently sloping phase.		0.49	3	2.0%	5.0%	0.163	0.757	0.196	HEL	125	3.5%	0.379	15.460
Pc	Sloping phase		0.49	3	5.0%	8.0%	0.379	1.406	0.196	HEL	100	6.5%	0.748	30.535
Pd	Eroded sloping phase		0.49	3	5.0%	8.0%	0.379	1.406	0.196	HEL	100	6.5%	0.748	30.535
Pe	Severely eroded sloping phase		0.49	3	5.0%	8.0%	0.379	1.406	0.196	HEL	100	6.5%	0.748	30.535
Pf	Severely eroded strongly sloping phase.		0.49	3	8.0%	12.0%	0.703	2.570	0.196	HEL	75	10.0%	1.191	48.648
	Ruston fine sandy loam:													
Ra	Sloping phase	Smithdale	0.28	5	5.0%	8.0%	0.379	1.406	0.571	NHEL	100	6.5%	0.748	10.469
Rb, Rc	Moderately steep phase	Smithdale	0.28	5	12.0%	25.0%	1.285	8.626	0.571	HEL	50	18.5%	2.587	36.215
Rd	Steep phase	Smithdale	0.28	5	25.0%	45.0%	4.313	23.940	0.571	HEL	50	35.0%	7.734	108.277
	Ruston sandy clay loam:													
Re	Severely eroded sloping phase	Smithdale	0.24	5	5.0%	8.0%	0.379	1.406	0.667	HEL	100	6.5%	0.748	8.973

Rf, Rg	Severely eroded moderately steep phase.	Smithdale	0.24	5	12.0%	25.0%	1.285	8.626	0.667	HEL	50	18.5%	2.587	31.041
Rh	Severely eroded steep phase	Smithdale	0.24	5	25.0%	45.0%	4.313	23.940	0.667	HEL	50	35.0%	7.734	92.809
Rk	Sandy alluvial land	Bruno	0.17	5	0.0%	5.0%	0.060	0.757	0.941	NHEL	125	2.5%	0.259	2.200
Sa	Shannon silt loam, local alluvium phase.	Vicksburg	0.43	5	0.0%	5.0%	0.060	0.757	0.372	NHEL	125	2.5%	0.259	5.564
	Shubuta-Cuthbert loams:													
Sb	Moderately steep phases									HEL	50	18.5%	2.587	36.215
	Shubuta part		0.28	5	12.0%	25.0%	1.285	8.626	0.571					
	Cuthbert part	Luverne	0.24	4	12.0%	25.0%	1.285	8.626	0.533					
Sc	Steep phases									HEL	50	35.0%	7.734	108.277
	Shubuta part		0.28	5	25.0%	45.0%	4.313	23.940	0.571					
	Cuthbert part	Luverne	0.24	4	25.0%	45.0%	4.313	23.940	0.533					
	Shubuta-Cuthbert sandy loams:													
Sd	Severely eroded sloping phases									PHEL	100	6.5%	0.748	10.469
	Shubuta part		0.28	5	5.0%	8.0%	0.379	1.406	0.571					
	Cuthbert part	Luverne	0.24	4	5.0%	8.0%	0.379	1.406	0.533					
Se	Severely eroded moderately steep phases.									HEL	50	18.5%	2.587	36.215
	Shubuta part		0.28	5	12.0%	25.0%	1.285	8.626	0.571					
	Cuthbert part	Luverne	0.24	4	12.0%	25.0%	1.285	8.626	0.533					
	Shubuta-Cuthbert-Silerton soils:													
Sf	Sloping phases									HEL	75	8.5%	0.939	13.142
	Shubuta part		0.28	5	5.0%	12.0%	0.379	2.570	0.571					
	Cuthbert part	Luverne	0.24	4	5.0%	12.0%	0.379	2.570	0.533					
	Silerton part		0.49	5	5.0%	12.0%	0.379	2.570	0.327					
Sg	Severely eroded sloping phases									HEL	75	8.5%	0.939	13.142
	Shubuta part		0.28	5	5.0%	12.0%	0.379	2.570	0.571					
	Cuthbert part	Luverne	0.28	4	5.0%	12.0%	0.379	2.570	0.457					
	Silerton part		0.49	5	5.0%	12.0%	0.379	2.570	0.327					
Sh	Moderately steep phases									HEL	50	18.5%	2.587	36.215
	Shubuta part		0.28	5	12.0%	25.0%	1.285	8.626	0.571					
	Cuthbert part	Luverne	0.24	4	12.0%	25.0%	1.285	8.626	0.533					
	Silerton part		0.49	5	12.0%	25.0%	1.285	8.626	0.327					
Sk	Severely eroded moderately steep phases.									HEL	50	18.5%	2.587	36.215
	Shubuta part		0.28	5	12.0%	25.0%	1.285	8.626	0.571					
	Cuthbert part	Luverne	0.28	4	12.0%	25.0%	1.285	8.626	0.457					
	Silerton part		0.49	5	12.0%	25.0%	1.285	8.626	0.327					
	Shubuta-Ruston-Silerton soils:													
Sl	Sloping phases									HEL	75	8.5%	0.939	13.142
	Shubuta part		0.28	5	5.0%	12.0%	0.379	2.570	0.571					
	Ruston part	Smithdale	0.28	5	5.0%	12.0%	0.379	2.570	0.571					
	Silerton part		0.49	5	5.0%	12.0%	0.379	2.570	0.327					
Sm	Severely eroded strongly sloping phases.									HEL	75	8.5%	0.939	13.142
	Shubuta part		0.28	5	5.0%	12.0%	0.379	2.570	0.571					
	Ruston part	Smithdale	0.24	5	5.0%	12.0%	0.379	2.570	0.667					
	Silerton part		0.49	5	5.0%	12.0%	0.379	2.570	0.327					
Sn	Moderately steep phases									HEL	50	25.8%	4.553	63.746
	Shubuta part		0.28	5	12.0%	45.0%	1.285	23.940	0.571					
	Ruston part	Smithdale	0.28	5	12.0%	45.0%	1.285	23.940	0.571					
	Silerton part		0.49	5	12.0%	45.0%	1.285	23.940	0.327					
So	Severely eroded moderately steep phases.									HEL	50	28.5%	5.409	75.725
	Shubuta part		0.28	5	12.0%	45.0%	1.285	23.940	0.571					
	Ruston part	Smithdale	0.24	5	12.0%	45.0%	1.285	23.940	0.667					
	Silerton part		0.49	5	12.0%	45.0%	1.285	23.940	0.327					
	Silerton silt loam:													

Sp, Sr, Sx	Eroded gently sloping phase	0.49	5	2.0%	5.0%	0.163	0.757	0.327	PHEL	125	3.5%	0.379	9.276
St	Sloping phase	0.49	5	5.0%	8.0%	0.379	1.406	0.327	HEL	100	6.5%	0.748	18.321
Su	Eroded sloping phase	0.49	5	5.0%	8.0%	0.379	1.406	0.327	HEL	100	6.5%	0.748	18.321
Sv	Strongly sloping phase	0.49	5	8.0%	12.0%	0.703	2.570	0.327	HEL	75	10.0%	1.191	29.189
Sw	Eroded strongly sloping phase	0.49	5	8.0%	12.0%	0.703	2.570	0.327	HEL	75	10.0%	1.191	29.189
	Silerton silty clay loam:												
Sy	Severely eroded sloping phase	0.43	5	5.0%	8.0%	0.379	1.406	0.372	HEL	100	6.5%	0.748	16.077
Sz	Severely eroded strongly sloping phase	0.43	5	8.0%	12.0%	0.703	2.570	0.372	HEL	100	10.0%	1.376	29.577
	Tippah silt loam:												
Ta	Gently sloping shallow phase	0.43	5	2.0%	5.0%	0.163	0.757	0.372	PHEL	125	3.5%	0.379	8.140
Tb	Severely eroded gently sloping shallow phase	0.43	5	2.0%	5.0%	0.163	0.757	0.372	PHEL	125	3.5%	0.379	8.140
Tc	Sloping shallow phase	0.43	5	5.0%	12.0%	0.379	2.570	0.372	HEL	75	8.5%	0.939	20.183
Td	Severely eroded sloping shallow phase	0.43	5	5.0%	12.0%	0.379	2.570	0.372	HEL	75	8.5%	0.939	20.183

* THESE SOILS ARE NOT FOUND ON THE LANDSCAPE WITHIN THE SLOPE RANGE LISTED IN THE PUBLISHED REPORT. SLOPE RANGES LISTED IN THE COLUMNS FOR CALCULATIONS WILL BE FOUND IN THE FIELD MORE THAN 90 PERCENT OF THE TIME.