

**Highly Erodible Land (HEL) Conversion Legend
for the Soil Survey of Roane County, Tennessee (2009)**

Prepared by Rick Livingston, February, 2012

This document links the 2009 updated soil survey to the 1990 frozen HEL soils list referenced by the e-FOTG and other documents. These relationships are based on data gathered during the soil survey project to the extent possible. There were a few instances where a direct conversion does not exist. In those instances, a reference symbol/map unit was chosen to provide the correct HEL classification.

2009 Map symbol	Map Unit Name	1992 HEL Legend Reference Symbol	HEL Class
AeC	Allen loam, 5 to 12 percent slopes	Afx	HEL
AeD	Allen loam, 12 to 20 percent slopes	Afx	HEL
AfD	Allen-Jefferson-Urban land complex, 5 to 20 percent slopes	Afx	HEL
AmC	Armuchee silt loam, 5 to 12 percent slopes	Avk	HEL
AmD	Armuchee silt loam, 12 to 20 percent slopes	Avk	HEL
AmE	Armuchee silt loam, 20 to 35 percent slopes	As	HEL
ApC	Apison-Sunlight complex, 5 to 12 percent slopes	Avk	HEL
ApF	Apison-Sunlight complex, 25 to 60 percent slopes	As	HEL
ASD	Ash disposal area	N/A	N/A
BeF	Bethesda-Mines pit complex, 10 to 80 percent slopes	Ms	HEL
Bg	Bloomington silty clay loam, occasionally flooded	Ml	NHEL
BrE	Bradyville-Rock outcrop complex, 5 to 25 percent slopes	Rsm	HEL
CaB	Capshaw silt loam, 2 to 5 percent slopes	Lv	HEL
CbD	Colbert-Lyerly-Rock outcrop complex, 5 to 20 percent slopes	Clx	HEL
CoC	Collegedale silt loam, 5 to 12 percent slopes	Ts	HEL
CoD	Collegedale silt loam, 12 to 20 percent slopes	Tsl	HEL
DeB	Dewey silt loam, 2 to 5 percent slopes	Fch	NHEL
DeC	Dewey silt loam, 5 to 12 percent slopes	Dm	HEL
DeD	Dewey silt loam, 12 to 20 percent slopes	Dsl	HEL
DeE	Dewey silt loam, 20 to 45 percent slopes	Dsz	HEL
EcB	Ealy-Craigsville complex, rarely flooded	Pg	NHEL
EtB	Etowah silt loam, 2 to 5 percent slopes	Afx	NHEL
EtC	Etowah silt loam, 5 to 12 percent slopes	Afx	HEL
FuB	Fullerton-Pailo complex, 2 to 5 percent slopes	Fch	NHEL
FuC	Fullerton-Pailo complex, 5 to 12 percent slopes	Fc	HEL
FuD	Fullerton-Pailo complex, 12 to 20 percent slopes	Fcl	HEL
FuE	Fullerton-Pailo complex, 20 to 35 percent slopes	Fct	HEL
FwD	Fullerton-Dewey-Urban land complex, 5 to 20 percent slopes	Fcl	HEL
FwE	Fullerton-Dewey-Urban land complex, 20 to 35 percent slopes	Fct	HEL
GnD	Gilpin silt loam, 12 to 20 percent slopes	Hs	HEL
GpE	Gilpin-Petros complex, 20 to 35 percent slopes	Hs	HEL
GpF	Gilpin-Petros complex, 35 to 80 percent slopes	Rst	HEL
GsF	Gilpin-Petros-Bouldin complex, 25 to 80 percent slopes, very stony	Rst	HEL
Ha	Hamblen silt loam, occasionally flooded	Ll	NHEL
HeB	Hendon silt loam, 2 to 5 percent slopes	Jg	NHEL

HeC	Hendon silt loam, 5 to 12 percent slopes	Hvx	HEL
JeC	Jefferson loam, 5 to 12 percent slopes	Jgx	HEL
JeE	Jefferson loam, 12 to 35 percent slopes	Rst	HEL
JnD	Jefferson cobbly loam, 12 to 20 percent slopes	Jgx	HEL
JnF	Jefferson cobbly loam, 20 to 50 percent slopes	Rst	HEL
LbB	Lily loam, 2 to 5 percent slopes	Hv	HEL
LbC	Lily loam, 5 to 12 percent slopes	Hvx	HEL
LbD	Lily loam, 12 to 20 percent slopes	Hs	HEL
LgD	Lily-Gilpin complex, 12 to 20 percent slopes	Hs	HEL
LgE	Lily-Gilpin complex, 20 to 35 percent slopes	Hs	HEL
LmD	Lily-Ramsey complex, 12 to 20 percent slopes	Hs	HEL
LmE	Lily-Ramsey complex, 20 to 35 percent slopes	Hs	HEL
LoB	Lonewood silt loam, 2 to 5 percent slopes	Jg	NHEL
LoC	Lonewood silt loam, 5 to 12 percent slopes	Jgx	HEL
LP	Limestone quarry	N/A	N/A
Me	Melvin silt loam, frequently flooded	Ml	NHEL
MnC	Minvale gravelly silt loam, 5 to 12 percent slopes	Fcr	HEL
MoC	Montevallo channery silt loam, 5 to 12 percent slopes	Avk	HEL
MoD	Montevallo channery silt loam, 12 to 20 percent slopes	As	HEL
MoE	Montevallo channery silt loam, 20 to 35 percent slopes	As	HEL
NOTCOM	No Digital Data Available	N/A	N/A
Pp	Popo-Philo complex, frequently flooded	Pg	NHEL
RaD	Ramsey-Rock outcrop complex, 12 to 20 percent slopes	Rst	HEL
RaF	Ramsey-Rock outcrop complex, 20 to 50 percent slopes	RST	HEL
Sd	Shady loam, occasionally flooded	Sv	NHEL
SfB	Shady-Swofford-Urban land complex, 2 to 5 percent slopes	Sv	NHEL
ShD	Shelocta silt loam, 12 to 20 percent slopes	Jgx	HEL
SwB	Swofford loam, 2 to 5 percent slopes	Rg	NHEL
TaB	Tasso loam, 2 to 5 percent slopes	Rg	NHEL
TaC	Tasso loam, 5 to 12 percent slopes	Fcr	HEL
TeB2	Townley-Coile complex, 2 to 5 percent slopes	Av	HEL
TeC	Townley silt loam, 5 to 12 percent slopes	Us	HEL
TeD	Townley silt loam, 12 to 20 percent slopes	As	HEL
TuD	Townley-Armuchee-Urban land complex, 5 to 20 percent slopes	As	HEL
TuE	Townley-Armuchee-Urban land complex, 20 to 35 percent slopes	As	HEL
UrD	Urban land, 5 to 20 percent slopes	N/A	N/A
W	Water	N/A	N/A
WaB	Waynesboro loam, 2 to 5 percent slopes	Wv	NHEL
WaC	Waynesboro loam, 5 to 12 percent slopes	Wvx	HEL
WaD	Waynesboro loam, 12 to 20 percent slopes	Wvb	HEL
WeD	Waynesboro-Etowah-Urban land complex, 5 to 20 percent slopes	Wvb	HEL
WhB	Whitwell loam, 1 to 4 percent slopes, occasionally flooded	Sv	NHEL
Note:	N/A = Not applicable for HEL determinations		