

Soil Correlation Of  
Marshall County, Kentucky: Detailed Soil Map Legend

HEL Class*	Frozen symbol	Frozen map unit name	Current symbol	Current map unit name
NHEL	Wa	Waverly silt loam	Af	Arkabutla silt loam, 0 to 2 percent slopes, frequently flooded
HEL	WhB	Wheeling silt loam, 2 to 6 percent slopes	ArB	Armour silt loam, 2 to 6 percent slopes
HEL	WhC	Wheeling silt loam, 6 to 12 percent slopes	ArC	Armour silt loam, 6 to 12 percent slopes
HEL	BrC	Brandon silt loam, 6 to 12 percent slopes	BnC2	Brandon silt loam, 6 to 12 percent slopes, eroded
HEL	BrD	Brandon silt loam, 12 to 20 percent slopes	BnD2	Brandon silt loam, 12 to 20 percent slopes, eroded
HEL	BsD3	Brandon silty clay loam, 12 to 20 percent slopes, severely eroded	BpD2	Brandon-Purchase-Lax complex, 12 to 20 percent slopes, eroded
HEL	BsD3	Brandon silty clay loam, 12 to 20 percent slopes, severely eroded	BpD3	Brandon-Purchase-Lax complex, 12 to 20 percent slopes, severely eroded
HEL	BrE	Brandon silt loam, 20 to 30 percent slopes	BsE2	Brandon-Saffell-Smithdale complex, 20 to 35 percent slopes, eroded
HEL	CaB	Calloway silt loam, 2 to 6 percent slopes	CaB	Calloway silt loam, 2 to 6 percent slopes
HEL	CaB2	Calloway silt loam, 2 to 6 percent slopes, eroded	CaB2	Calloway silt loam, 2 to 6 percent slopes, eroded
NHEL	GrA	Grenada silt loam, 0 to 2 percent slopes	CeA	Center silt loam, 0 to 2 percent slopes
HEL	GrB	Grenada silt loam, 2 to 6 percent slopes	CeB	Center silt loam, 2 to 5 percent slopes
NHEL	Oh	Ochlockonee silt loam	Cf	Cascilla silt loam, 0 to 2 percent slopes, frequently flooded
HEL	Ad	Alluvial land	CgD	Cascilla-Colp-Wheeling complex, 2 to 25 percent slopes, occasionally flooded
NHEL	Co	Collins silt loam	Ci	Collins-Iuka complex, 0 to 2 percent slopes, frequently flooded
NHEL	Iu	Iuka silt loam	Ci	Collins-Iuka complex, 0 to 2 percent slopes, frequently flooded
NHEL	Vb	Vicksburg silt loam	Ci	Collins-Iuka complex, 0 to 2 percent slopes, frequently flooded
NHEL	Co	Collins silt loam	Co	Collins silt loam, 0 to 2 percent slopes, frequently flooded
NHEL	Co	Collins silt loam	Cu	Collins-Iuka complex, 0 to 2 percent slopes, occasionally flooded
NHEL	Fa	Falaya silt loam	Cu	Collins-Iuka complex, 0 to 2 percent slopes, occasionally flooded
NHEL	Iu	Iuka silt loam	Cu	Collins-Iuka complex, 0 to 2 percent slopes, occasionally flooded
NHEL	Bb	Bibb loamy fine sand, overwash	CV	Chenneby, Enville and Arkabutla soils, 0 to 2 percent slopes, frequently flooded
NHEL	CaA	Calloway silt loam, 0 to 2 percent slopes	CwA	Calloway-Kurk complex, 0 to 2 percent slopes
	DAM	Dam, large	DAM	Dam, large
NHEL	Bb	Bibb loamy fine sand, overwash	Eb	Enville-Bibb complex, 0 to 2 percent slopes, frequently flooded

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NHEL	Bb	Bibb loamy fine sand, overwash	Ef	Enville-Falaya complex, 0 to 2 percent slopes, occasionally flooded
NHEL	Fa	Falaya silt loam	Ef	Enville-Falaya complex, 0 to 2 percent slopes, occasionally flooded
NHEL	Ma	Mantachie silt loam	Ef	Enville-Falaya complex, 0 to 2 percent slopes, occasionally flooded
NHEL	Fa	Falaya silt loam, 0 to 2 percent slopes, occasionally flooded	Fa	Falaya silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
HEL	MmB	Memphis silt loam, 2 to 6 percent slopes	FeB2	Feliciana silt loam, 2 to 6 percent slopes, eroded
HEL	MmC2	Memphis silt loam, 6 to 12 percent slopes, eroded	FeC2	Feliciana silt loam, 6 to 12 percent slopes, eroded
NHEL	Fa	Falaya silt loam	Ff	Falaya silt loam, 0 to 2 percent slopes, frequently flooded
NHEL	Hn	Henry silt loam	GeA	Ginat silt loam, 0 to 2 percent slopes, rarely flooded
NHEL	GrA	Grenada silt loam, 0 to 2 percent slopes	GrA	Grenada silt loam, 0 to 2 percent slopes
HEL	GrB	Grenada silt loam, 2 to 6 percent slopes	GrB2	Grenada silt loam, 2 to 6 percent slopes, eroded
HEL	GrB3	Grenada silt loam, 2 to 6 percent slopes, severely eroded	GrB3	Grenada silt loam, 4 to 6 percent slopes, severely eroded
HEL	GrC	Grenada silt loam, 6 to 12 percent slopes	GrC3	Grenada silt loam, 6 to 12 percent slopes, severely eroded
HEL	GrC3	Grenada silt loam, 6 to 12 percent slopes, severely eroded	GrC3	Grenada silt loam, 6 to 12 percent slopes, severely eroded
HEL	GrB3	Grenada silt loam, 2 to 6 percent slopes, severely eroded	GsB3	Grenada-Purchase complex, 4 to 6 percent slopes, severely eroded
NHEL	CaA	Calloway silt loam, 0 to 2 percent slopes	HeA	Henshaw silt loam, 0 to 2 percent slopes, rarely flooded
NHEL	Mc	McGary silt loam	HeA	Henshaw silt loam, 0 to 2 percent slopes, rarely flooded
HEL	CaB2	Calloway silt loam, 2 to 6 percent slopes, eroded	HeB	Henshaw silt loam, 2 to 6 percent slopes, rarely flooded
HEL	Gu	Gullied land	HgF	Hapludults-Gullied land complex, 6 to 60 percent slopes
NHEL	Eg	Egam silty clay loam	HN	Huntington and Nolin soils, 0 to 2 percent slopes, frequently flooded
NHEL	Hu	Huntington silt loam	HN	Huntington and Nolin soils, 0 to 2 percent slopes, frequently flooded
HEL	BoF	Bodine cherty silt loam, 20 to 60 percent slopes	HsF	Hawthorne-Sengtown-Sugargrove complex, 20 to 70 percent slopes
HEL	BoF	Bodine cherty silt loam, 20 to 60 percent slopes	HsF3	Hawthorne-Sengtown-Sugargrove complex, 20 to 70 percent slopes, severely eroded
NHEL	CaA	Calloway silt loam, 0 to 2 percent slopes	KrA	Kurk silt loam, 0 to 3 percent slopes
NHEL	CaA	Calloway silt loam, 0 to 2 percent slopes	KuA	Kurk silt loam, 0 to 3 percent slopes, rarely flooded
HEL	LeC	Lexington silt loam, 6 to 12 percent slopes	LeC2	Lexington silt loam, 6 to 12 percent slopes, eroded

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HEL	LgC3	Lexington silty clay loam, 6 to 12 percent slopes, severely eroded	LgC3	Lexington silty clay loam, 6 to 12 percent slopes, severely eroded
HEL	BrC	Brandon silt loam, 6 to 12 percent slopes	LlC2	Lax-Loring-Feliciana complex, 2 to 12 percent slopes, eroded
HEL	BtC	Brandon-Memphis-Loring silt loams, 2 to 12 percent slopes	LlC2	Lax-Loring-Feliciana complex, 2 to 12 percent slopes, eroded
HEL	LaC	Lax silt loam, 6 to 12 percent slopes	LlC2	Lax-Loring-Feliciana complex, 2 to 12 percent slopes, eroded
HEL	LoB2	Loring silt loam, 2 to 6 percent slopes, eroded	LoB2	Loring silt loam, 2 to 6 percent slopes, eroded
HEL	LgC3	Lexington silty clay loam, 6 to 12 percent slopes, severely eroded	LpC3	Lax-Purchase-Providence complex, 6 to 12 percent slopes, severely eroded
NHEL	Ma	Mantachie silt loam	Lv	Lobelville silt loam, 0 to 3 percent slopes, occasionally flooded
NHEL	Me	Melvin silt loam	Me	Melvin silty clay loam, 0 to 2 percent slopes, frequently flooded
NHEL	Sw	Swamp	Mn	Melvin silty clay loam, ponded
NHEL	Fo	Forestdale silt loam, high clay variant	NbA	Natalbany silt loam, 0 to 2 percent slopes, rarely flooded
NHEL	Ne	Newark silt loam	Ne	Newark-Lindside complex, 0 to 2 percent slopes, frequently flooded
	Du	Dumps	Pg	Pits, gravel-Alfic Udarents complex
	Pt	Pits, quarries	Pg	Pits, gravel-Alfic Udarents complex
HEL	GrB3	Grenada silt loam, 2 to 6 percent slopes, severely eroded	PlB3	Purchase-Lax-Brandon complex, 4 to 6 percent slopes, severely eroded
HEL	BsC3	Brandon silty clay loam, 6 to 12 percent slopes, severely eroded	PlC2	Purchase-Lax-Brandon complex, 6 to 12 percent slopes, eroded
HEL	LcC3	Lax silty clay loam, 6 to 12 percent slopes, severely eroded	PlC2	Purchase-Lax-Brandon complex, 6 to 12 percent slopes, eroded
HEL	BsC3	Brandon silty clay loam, 6 to 12 percent slopes, severely eroded	PlC3	Purchase-Lax-Brandon complex, 6 to 12 percent slopes, severely eroded
HEL	LcC3	Lax silty clay loam, 6 to 12 percent slopes, severely eroded	PlC3	Purchase-Lax-Brandon complex, 6 to 12 percent slopes, severely eroded
HEL	LgD3	Lexington silty clay loam, 12 to 20 percent slopes, severely eroded	PmD3	Providence-Smithdale complex, 12 to 20 percent slopes, severely eroded
NHEL	Oc	Ochlockonee gravelly loam	Pr	Pruitton-Riverby complex, 0 to 3 percent slopes, occasionally flooded
HEL	GrB3	Grenada silt loam, 2 to 6 percent slopes, severely eroded	PuB3	Purchase-Loring complex, 4 to 6 percent slopes, severely eroded
HEL	LoC2	Loring silt loam, 6 to 12 percent slopes, eroded	PuC3	Purchase-Loring complex, 6 to 12 percent slopes, severely eroded
HEL	GrB	Grenada silt loam, 2 to 6 percent slopes	PvB2	Providence silt loam, 2 to 6 percent slopes, eroded
HEL	GrC	Grenada silt loam, 6 to 12 percent slopes	PvC2	Providence silt loam, 6 to 12 percent slopes, eroded
HEL	GrC3	Grenada silt loam, 6 to 12 percent slopes, severely eroded	PvC2	Providence silt loam, 6 to 12 percent slopes, eroded

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HEL	LaC	Lax silt loam, 6 to 12 percent slopes	PvC2	Providence silt loam, 6 to 12 percent slopes, eroded
NHEL	Bc	Bibb silt loam	RB	Rosebloom and Bibb soils, 0 to 2 percent slopes, frequently flooded
NHEL	Wa	Waverly silt loam	RB	Rosebloom and Bibb soils, 0 to 2 percent slopes, frequently flooded
NHEL	Bc	Bibb silt loam	Rm	Rosebloom silt loam, 0 to 2 percent slopes, occasionally flooded
NHEL	Wa	Waverly silt loam	Rm	Rosebloom silt loam, 0 to 2 percent slopes, occasionally flooded
NHEL	Sw	Swamp	Rp	Rosebloom silt loam, ponded
NHEL	Hn	Henry silt loam	RtA	Routon silt loam, 0 to 2 percent slopes
NHEL	Hn	Henry silt loam	RuA	Routon silt loam, 0 to 2 percent slopes, rarely flooded
HEL	GsC	Guin gravelly loam, 2 to 12 percent slopes	SaC	Saffell gravelly sandy loam, 2 to 12 percent slopes
HEL	SgC	Saffell-Guin complex, 6 to 12 percent slopes	SaC	Saffell gravelly sandy loam, 2 to 12 percent slopes
HEL	GsC	Guin gravelly loam, 2 to 12 percent slopes	SbC3	Saffell-Brandon-Smithdale complex, 6 to 12 percent slopes, severely eroded
HEL	SgC	Saffell-Guin complex, 6 to 12 percent slopes	SbC3	Saffell-Brandon-Smithdale complex, 6 to 12 percent slopes, severely eroded
HEL	SgD	Saffell-Guin complex, 12 to 20 percent slopes	SbD2	Saffell-Brandon complex, 12 to 25 percent slopes, eroded
HEL	RuD	Ruston fine sandy loam, 12 to 20 percent slopes (smithdale)	SdD2	Smithdale loam, 12 to 20 percent slopes, eroded
HEL	BoD	Bodine cherty silt loam, 12 to 20 percent slopes	ShD3	Sugargrove-Sengtown-Hawthorne complex, 12 to 20 percent slopes, severely eroded
HEL	LeD	Lexington silt loam, 12 to 20 percent slopes	SldD2	Smithdale-Lexington complex, 12 to 25 percent, eroded
HEL	LgD3	Lexington silty clay loam, 12 to 20 percent slopes, severely eroded	SldD3	Smithdale-Lexington complex, 12 to 25 percent slopes, severely eroded
HEL	RuE	Ruston fine sandy loam, 20 to 30 percent slopes	SmE2	Smithdale sandy loam, 20 to 45 percent slopes, eroded
HEL	RxE	Ruston-Lexington complex, 18 to 30 percent slopes	SRF	Smithdale, Remlik and Luverne soils, 20 to 65 percent slopes
HEL	GtE	Guin very gravelly soils, 20 to 60 percent slopes	SsF	Saffell-Smithdale-Brandon complex, 20 to 60 percent slopes
HEL	SgE	Saffell-Guin complex, 20 to 50 percent slopes	SsF	Saffell-Smithdale-Brandon complex, 20 to 60 percent slopes
HEL	GtE	Guin very gravelly soils, 20 to 60 percent slopes	SsF3	Saffell-Smithdale-Brandon complex, 20 to 60 percent slopes, severely eroded
HEL	SgE	Saffell-Guin complex, 20 to 50 percent slopes	SsF3	Saffell-Smithdale-Brandon complex, 20 to 60 percent slopes, severely eroded
PHEL	Ur	Urban land	UaB	Urban land-Alfic Udarents complex, 0 to 8 percent slopes
NHEL	GrA	Grenada silt loam, 0 to 2 percent slopes	UmA	Uniontown silt loam, 0 to 2 percent slopes, rarely flooded

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HEL	GrB	Grenada silt loam, 2 to 6 percent slopes	UmB	Uniontown silt loam, 2 to 6 percent slopes, rarely flooded
PHEL	Ur	Urban land	UuD	Udorthents-Urban land complex, 0 to 25 percent slopes
NHEL	Vb	Vicksburg silt loam	Vb	Vicksburg silt loam, 0 to 2 percent slopes, occasionally flooded
NHEL	Oh	Ochlockonee silt loam	Vo	Vicksburg-Ochlockonee complex, 0 to 3 percent slopes, rarely flooded
	W	Water	W	Water
NHEL	Wa	Waverly silt loam	We	Waverly silt loam, 0 to 2 percent slopes, frequently flooded
NHEL	WhA	Wheeling silt loam, 0 to 2 percent slopes	WhA	Wheeling silt loam, 0 to 2 percent slopes, rarely flooded
HEL	WhB	Wheeling silt loam, 2 to 6 percent slopes	WhB	Wheeling silt loam, 2 to 6 percent slopes, rarely flooded
HEL	WhC	Wheeling silt loam, 6 to 12 percent slopes	WhC2	Wheeling silt loam, 6 to 12 percent slopes, eroded, rarely flooded
HEL	WhC3	Wheeling silty clay loam, 6 to 12 percent slopes, severely eroded, rarely flooded	WhC3	Wheeling silty clay loam, 6 to 12 percent slopes, severely eroded, rarely flooded

## HEL Class\*

HEL = Highly Erodible Land

NHEL = Not Highly Erodible Land

PHEL = Potentially Highly Erodible Land