2010 Pub	1/1/1990	Mapunit Name	Component	Component	HEL Class	Frozen K	Frozen T
MU Sym	MU Sym		Name	Percent		Factor	Factor
1A		Alonzville loam, 0 to 3 percent slopes, rarely flooded	Alonzville	80	NHEL	0.28	5
2B		Alonzville loam, 3 to 8 percent slopes	Alonzville	80	PHEL	0.28	5
3B		Alonzville-Urban land complex, 3 to 8 percent slopes	Alonzville	50	PHEL	0.28	5
3B		Alonzville-Urban land complex, 3 to 8 percent slopes	Urban land	45			
_	33A	Atkins silt loam, 0 to 3 percent slopes	Atkins		NHEL	0.28	5
_	70C 70C	Berks-Weikert complex, 7 to 15 percent slopes Berks-Weikert complex, 7 to 15 percent slopes	Berks		PHEL	0.17	3
-	70C 70 D	Berks-Weikert complex, 7 to 15 percent slopes Berks-Weikert complex, 15 to 35 percent slopes	Weikert Berks		HEL	0.17	3
_	70D	Berks-Weikert complex, 15 to 35 percent slopes	Weikert		1122	0.17	
_	70E	Berks-Weikert complex, 35 to 55 percent slopes	Berks		HEL	0.17	3
	70E	Berks-Weikert complex, 35 to 55 percent slopes	Weikert				
4C		Berks-Weikert complex, 3 to 15 percent slopes	Berks	50	PHEL	0.37	2
4C 5A		Berks-Weikert complex, 3 to 15 percent slopes Botetourt loam, 0 to 3 percent slopes, rarely flooded	Weikert	40 90	PHEL NHEL	0.43 0.32	1
6A		Botetourt-Urban land complex, 0 to 3 percent slopes, rarely flooded	Botetourt Botetourt	50	NHEL	0.32	5 5
6A		Botetourt-Urban land complex, 0 to 3 percent slopes, rarely flooded	Urban land	45		0.02	
	12B	Braddock loam, 2 to 7 percent slopes	Braddock		PHEL	0.32	4
_	12C	Braddock loam, 7 to 15 percent slopes	Braddock		PHEL	0.32	4
_	12D	Braddock loam, 15 to 25 percent slopes	Braddock		HEL	0.32	4
_	13C 13D	Braddock cobbly fine sandy loam, 7 to 15 percent slopes Braddock cobbly fine sandy loam, 15 to 25 percent slopes	Braddock Braddock		PHEL HEL	0.24 0.24	4
_	13E	Braddock cobbly fine sandy loam, 15 to 25 percent slopes Braddock cobbly fine sandy loam, 25 to 35 percent slopes	Braddock		HEL	0.24	4
7A	IJL	Buckton-Weaver complex, 0 to 3 percent slopes, occasionally flooded	Buckton	55	NHEL	0.24	5
7A		Buckton-Weaver complex, 0 to 3 percent slopes, occasionally flooded	Weaver	30	NHEL	0.32	5
8F		Caneyville-Frederick-Rock outcrop complex, 35 to 55 percent slopes	Caneyville	60	HEL	0.43	2
8F		Caneyville-Frederick-Rock outcrop complex, 35 to 55 percent slopes	Frederick	20	HEL	0.37	5
8F 9C		Carbo Opeguen complex, 3 to 15 percent clones, yeary resky	Rock outcrop	15	חוורו	0.32	2
9C 9C		Carbo-Opequon complex, 3 to 15 percent slopes, very rocky Carbo-Opequon complex, 3 to 15 percent slopes, very rocky	Carbo Opequon	55 30	PHEL PHEL	0.32	2
9E		Carbo-Opequon complex, 15 to 35 percent slopes, very rocky	Carbo	50	HEL	0.32	2
9E		Carbo-Opequon complex, 15 to 35 percent slopes, very rocky	Opequon	35	HEL	0.32	1
10F		Carbo-Opequon-Rock outcrop complex, 35 to 70 percent slopes	Carbo	55	HEL	0.32	2
10F		Carbo-Opequon-Rock outcrop complex, 35 to 70 percent slopes	Opequon	25	HEL	0.32	1
10F	4.4	Carbo-Opequon-Rock outcrop complex, 35 to 70 percent slopes	Rock outcrop	15	AULEI	0.22	
_	1A XX	Chagrin silt loam, 0 to 3 percent slopes Chavies fine sandy loam, 0 to 3 percent slopes	Chagrin Chavies		NHEL NHEL	0.32 0.24	5 4
_	61B	Chilhowie silty clay loam, 2 to 7 percent slopes	Chilhowie		PHEL	0.24	2
_	61C	Chilhowie silty clay loam, 7 to 15 percent slopes	Chilhowie		HEL	0.37	2
	61D	Chilhowie silty clay loam, 15 to 25 percent slopes	Chilhowie		HEL	0.37	2
	61E	Chilhowie silty clay loam, 25 to 35 percent slopes	Chilhowie		HEL	0.37	2
_	61F	Chilhowie silty clay loam, 35 to 60 percent slopes	Chilhowie		HEL	0.37	2
_	60C2 60D2	Chilhowie silty clay loam very channery, 7 to 15 percent slopes Chilhowie silty clay loam very channery, 15 to 25 percent slopes	Chilhowie Chilhowie		HEL HEL	0.37 0.37	2
_	60E2	Chilhowie silty clay loam very channery, 15 to 25 percent slopes Chilhowie silty clay loam very channery, 25 to 35 percent slopes	Chilhowie		HEL	0.37	2
_	60F2	Chilhowie silty clay loam very channery, 35 to 60 percent slopes	Chilhowie		HEL	0.37	2
_	20C	Chilhowie-Rock outcrop complex, 2 to 15 percent slopes	Chilhowie		PHEL	0.37	2
	20C	Chilhowie-Rock outcrop complex, 2 to 15 percent slopes	Rock outcrop				
_	20E	Chilhowie-Rock outcrop complex, 15 to 60 percent slopes	Chilhowie		HEL	0.37	2
110	20E	Chilhowie-Rock outcrop complex, 15 to 60 percent slopes	Rock outcrop	O.F.	חודו	0.27	
11B 11C		Cottonbend loam, 3 to 8 percent slopes Cottonbend loam, 8 to 15 percent slopes	Cottonbend Cottonbend	85 85	PHEL PHEL	0.37 0.37	4
12A		Coursey loam, 0 to 3 percent slopes, rarely flooded	Coursey	80	NHEL	0.28	5
13B		Coursey loam, 3 to 8 percent slopes	Coursey	80	PHEL	0.28	5
	3A	Craigsville cobbly sandy loam, 0 to 3 percent slopes	Craigsville		NHEL	0.17	3
_	80C	Dekalb gravelly sandy loam, 2 to 15 percent slopes, very stony	Dekalb		PHEL	0.17	2
	80D	Dekalb -Hazleton-Rock outcrop complex,15 to 35 percent slopes	Dekalb		HEL	0.17	2
	80D 80D	Dekalb -Hazleton-Rock outcrop complex,15 to 35 percent slopes Dekalb -Hazleton-Rock outcrop complex,15 to 35 percent slopes	Hazleton Rock outcrop				
_	80E	Dekalb -Hazleton-Rock outcrop complex,15 to 35 percent slopes Dekalb -Hazleton-Rock outcrop complex,35 to 55 percent slopes	Dekalb		HEL	0.17	2
_	80E	Dekalb -Hazleton-Rock outcrop complex,35 to 55 percent slopes	Hazleton			0.1.	
_	80E	Dekalb -Hazleton-Rock outcrop complex,35 to 55 percent slopes	Rock outcrop				
	80F	Dekalb -Hazleton-Rock outcrop complex,55 to 70 percent slopes	Dekalb		HEL	0.17	2
_	80F	Dekalb -Hazleton-Rock outcrop complex,55 to 70 percent slopes	Hazleton				
1.46	80F/52F	Dekalb -Hazleton-Rock outcrop complex,55 to 70 percent slopes	Rock outcrop	F0	DUIEI	0.47	
14C 14C		Dekalb, Lehew, and Berks soils, 3 to 15 percent slopes, very stony Dekalb, Lehew, and Berks soils, 3 to 15 percent slopes, very stony	Dekalb Lehew	50 20	PHEL PHEL	0.17 0.2	2
14C		Dekalb, Lehew, and Berks soils, 3 to 15 percent slopes, very stony	Berks	15	PHEL	0.37	2
14E		Dekalb, Lehew, and Berks soils, 15 to 35 percent slopes, very stony	Dekalb	50	HEL	0.17	2
14E		Dekalb, Lehew, and Berks soils, 15 to 35 percent slopes, very stony	Lehew	20	HEL	0.2	2
14E		Dekalb, Lehew, and Berks soils, 15 to 35 percent slopes, very stony	Berks	15	HEL	0.37	2
14F		Dekalb, Lehew, and Berks soils, 35 to 70 percent slopes, very stony	Dekalb	50	HEL	0.17	2
14F		Dekalb, Lehew, and Berks soils, 35 to 70 percent slopes, very stony	Lehew	20	HEL	0.2	2
14F 15E		Dekalb, Lehew, and Berks soils, 35 to 70 percent slopes, very stony Dekalb-Lehew-Rock outcrop complex, 15 to 35 percent slopes, extremely stony	Berks Dekalb	15 50	HEL HEL	0.37 0.17	2 2
15E		Dekalb-Lehew-Rock outcrop complex, 15 to 35 percent slopes, extremely stony	Lehew	30	HEL	0.17	2
15E		Dekalb-Lehew-Rock outcrop complex, 15 to 35 percent slopes, extremely stony	Rock outcrop	15			
15F		Dekalb-Lehew-Rock outcrop complex, 35 to 80 percent slopes, extremely stony	Dekalb	50	HEL	0.17	2
15F		Dekalb-Lehew-Rock outcrop complex, 35 to 80 percent slopes, extremely stony	Lehew	20	HEL	0.2	2
15F		Dekalb-Lehew-Rock outcrop complex, 35 to 80 percent slopes, extremely stony	Rock outcrop	15	5: :=:	0.1-	
16C		Dekalb-Lily complex, 3 to 15 percent slopes, very stony	Dekalb	60	PHEL	0.17	2

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2010 Pub MU Sym	1/1/1990 MU Sym	Mapunit Name	Component Name	Component Percent	HEL Class	Frozen K Factor	Frozen T Factor
IVIO SYIII	IVIO SYIII		IVallic	rerecite		ractor	ractor
16C		Dekalb-Lily complex, 3 to 15 percent slopes, very stony	Lily	30	PHEL	0.15	2
16E		Dekalb-Lily complex, 15 to 35 percent slopes, very stony	Dekalb	50	HEL	0.17	2
16E		Dekalb-Lily complex, 15 to 35 percent slopes, very stony	Lily	40	HEL	0.15	2
17F		Dekalb-Lily complex, 35 to 55 percent slopes, very stony	Dekalb	75	HEL	0.17	2
17F		Dekalb-Lily complex, 35 to 55 percent slopes, very stony	Lily	20	HEL	0.15	2
18A		Derroc very cobbly sandy loam, 0 to 3 percent slopes, frequently flooded	Derroc	85	NHEL	0.15	5
19C		Edneytown loam, 8 to 15 percent slopes	Edneytown	90	PHEL	0.37	5
19D		Edneytown loam, 15 to 25 percent slopes	Edneytown	90	HEL	0.37	5
20C		Edneytown-Peaks complex, 3 to 15 percent slopes, very stony	Edneytown	60	PHEL	0.37	5
20C		Edneytown-Peaks complex, 3 to 15 percent slopes, very stony	Peaks	35	PHEL	0.17	2
20E		Edneytown-Peaks complex, 15 to 35 percent slopes, very stony	Edneytown	60	HEL	0.37	5
20E		Edneytown-Peaks complex, 15 to 35 percent slopes, very stony	Peaks	35	HEL	0.17	2
20F		Edneytown-Peaks complex, 35 to 70 percent slopes, very stony	Edneytown	60	HEL	0.37	5
20F	1026	Edneytown-Peaks complex, 35 to 70 percent slopes, very stony	Peaks	35	HEL	0.17	2
-	182C 182D	Edneyville loam, 7 to 15 percent slopes Edneyville loam, 15 to 35 percent slopes	Edneyville Edneyville		PHEL HEL	0.28 0.28	4
-	182E	Edneyville loam, 35 to 55 percent slopes	Edneyville		HEL	0.28	4
-	182F	Edneyville loam, 55 to 70 percent slopes	Edneyville		HEL	0.28	4
21B	1021	Escatawba loam, 3 to 8 percent slopes	Escatawba	80	PHEL	0.28	5
21C		Escatawba loam, 8 to 15 percent slopes	Escatawba	80	PHEL	0.28	5
_10	21B/25B/28B	Frederick silt loam, 2 to 7 percent slopes	Frederickk		PHEL	0.32	4
22B	,,	Frederick silt loam, 3 to 8 percent slopes	Frederick	85	PHEL	0.32	5
	21C/25C/28C	Frederick silt loam, 7 to 15 percent slopes	Frederick		PHEH	0.32	4
22C	,,	Frederick silt loam, 8 to 15 percent slopes	Frederick	80	PHEL	0.37	5
	21D/25D/28D	Frederick silt loam, 15 to 25 percent slopes	Frederick		HEL	0.32	4
22D		Frederick silt loam, 15 to 25 percent slopes	Frederick	80	HEL	0.37	5
	22B	Frederick gravelly silt loam, 2 to 7 percent slopes	Frederick		PHEL	0.28	4
		Frederick gravelly silt loam, 7 to 15 percent slopes	Frederick		PHEL	0.28	4
	22D	Frederick gravelly silt loam, 15 to 25 percent slopes	Frederick		HEL	0.28	4
	22E/21E/25E/28E	Frederick gravelly silt loam, 25 to 35 percent slopes	Frederick		HEL	0.28	4
	30C	Frederick very gravelly silt loam, 7 to 15 percent slopes	Frederick		PHEL	0.28	4
	30D	Frederick very gravelly silt loam, 15 to 35 percent slopes	Frederick		HEL	0.28	4
	30E	Frederick very gravelly silt loam, 35 to 60 percent slopes	Frederick		HEL	0.28	4
23E		Frederick-Caneyville complex, 25 to 35 percent slopes	Frederick	65	HEL	0.37	5
23E		Frederick-Caneyville complex, 25 to 35 percent slopes	Caneyville	30	HEL	0.43	2
24C		Frederick-Caneyville complex, 3 to 15 percent slopes, very rocky	Frederick	45	PHEL	0.37	5
24C		Frederick-Caneyville complex, 3 to 15 percent slopes, very rocky	Caneyville	35	PHEL	0.43	2
24E		Frederick-Caneyville complex, 15 to 35 percent slopes, very rocky	Frederick	40	HEL	0.37	5
24E		Frederick-Caneyville complex, 15 to 35 percent slopes, very rocky	Caneyville	38	HEL	0.43	2
25C		Frederick-Watahala complex, 8 to 15 percent slopes	Frederick	60	PHEL	0.37	5
25C		Frederick-Watahala complex, 8 to 15 percent slopes	Watahala	30	PHEL	0.37	4
25D		Frederick-Watahala complex, 15 to 25 percent slopes	Frederick	45	HEL	0.37	5
25D		Frederick-Watahala complex, 15 to 25 percent slopes	Watahala Frederick	35	HEL HEL	0.37	4
25E 25E		Frederick-Watahala complex, 25 to 35 percent slopes Frederick-Watahala complex, 25 to 35 percent slopes	Watahala	50 40	HEL	0.37 0.37	5 4
26A		Gladehill fine sandy loam, 0 to 3 percent slopes, occasionally flooded	Gladehill	85	NHEL	0.37	5
27B		Groseclose silt loam, 3 to 8 percent slopes	Groseclose	80	PHEL	0.2	5
27C		Groseclose silt loam, 8 to 15 percent slopes	Groseclose	80	PHEL	0.37	5
27D		Groseclose silt loam, 15 to 25 percent slopes	Groseclose	80	HEL	0.37	5
28E		Groseclose-Needmore complex, 25 to 35 percent slopes	Groseclose	50	HEL	0.37	5
28E		Groseclose-Needmore complex, 25 to 35 percent slopes	Needmore	40	HEL	0.43	3
29C		Groseclose-Needmore-Urban land complex, 0 to 15 percent slopes	Groseclose	35	PHEL	0.37	5
29C		Groseclose-Needmore-Urban land complex, 0 to 15 percent slopes	Needmore	30	PHEL	0.43	3
29C		Groseclose-Needmore-Urban land complex, 0 to 15 percent slopes	Urban land	25			
	23C/26C	Hagerstown silt loam, 2 to 15 percent slopes, very rocky	Hagerstown		PHEL	0.32	4
	•	Hagerstown -Rock outcrop complex, 2 to 15 percent slopes	Hagerstown		PHEL	0.32	4
		Hagerstown-Rock outcrop complex, 2 to 15 percent slopes	Rock outcrop				
		Hagerstown-Rock outcrop complex, 15 to 45 percent slopes	Hagerstown		HEL	0.32	4
		Hagerstown-Rock outcrop complex, 15 to 45 percent slopes	Rock outcrop				
		Hazleton loam very stony very gravelly sandy, 15 to 35 percent slopes	Hazleton		HEL	0.15	3
	181E	Hazleton loam very stony very gravelly sandy, 35 to 55 percent slopes	Hazleton		HEL	0.15	3
	181F	Hazleton loam very stony very gravelly sandy, 55 to 80 percent slopes	Hazleton		HEL	0.15	3
30A		Holly-Orrville complex, 0 to 3 percent slopes, occasionally flooded	Holly	50	NHEL	0.28	5
30A		Holly-Orrville complex, 0 to 3 percent slopes, occasionally flooded	Orrville	45	NHEL	0.37	4
31A		Ingledove loam, 0 to 3 percent slopes, rarely flooded	Ingledove	85 or	NHEL	0.28	5
32A	000	Irongate fine sandy loam, 0 to 3 percent slopes, occasionally flooded	Irongate	85	NHEL	0.17	5
	90B 90C	Jefferson fine sandy loam, 7 to 15 percent slopes	Jefferson Jefferson		PHEL PHEL	0.17	4
-	90C 90D	Jefferson fine sandy loam, 7 to 15 percent slopes Jefferson fine sandy loam, 15 to 25 percent slopes	Jefferson Jefferson		HEL	0.17	4
	90D 190C	Jefferson cobbly fine sandy loam, 7 to 15 percent slopes Jefferson cobbly fine sandy loam, 7 to 15 percent slopes	Jefferson		PHEL	0.17 0.17	4
	190C 190D	Jefferson cobbly fine sandy loam, 15 to 25 percent slopes	Jefferson		HEL	0.17	4
-	190D 190E	Jefferson cobbly fine sandy loam, 15 to 25 percent slopes Jefferson cobbly fine sandy loam, 25 to 35 percent slopes	Jefferson		HEL	0.17	4
	290C	Jefferson very stony fine sandy loam, 7 to 15 percent slopes	Jefferson		PHEL	0.17	4
	290D	Jefferson very stony fine sandy loam, 15 to 35 percent slopes	Jefferson		HEL	0.1	4
	290E	Jefferson very stony fine sandy loam, 35 to 55 percent slopes	Jefferson		HEL	0.1	4
33C		Litz-Chiswell-Groseclose complex, 8 to 15 percent slopes	Litz	35	HEL	0.37	2
33C		Litz-Chiswell-Groseclose complex, 8 to 15 percent slopes	Chiswell	30	HEL	0.43	2
33C		Litz-Chiswell-Groseclose complex, 8 to 15 percent slopes	Groseclose	20	PHEL	0.37	5
33E		Litz-Chiswell-Groseclose complex, 15 to 35 percent slopes	Litz	35	HEL	0.37	2
33E		Litz-Chiswell-Groseclose complex, 15 to 35 percent slopes	Chiswell	25	HEL	0.43	2
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March Marc	2010 Pub	1/1/1990	Mapunit Name	Component	Component	HEL Class	Frozen K	Frozen T
Use-ChinoelPulsescost complex, 25 or 26 percent Jours			Mapulit Name		Component	HEL Class		Factor
1372 UBL-Citerate (Consent Concepts of State Act States) UBL 135 UBL 137 UB	IVIO SYIII	IVIO SYIII		Ivairie	reiteiit		Tactor	Tactor
1372 UBL-Citerate (Consent Concepts of State Act States) UBL 135 UBL 137 UB	33F		Litz-Chiswell-Groseclose compley 15 to 35 percent slopes	Groseclose	25	HEI	0.37	5
1875 Lim Charled Connection complets, 35 to 55 percent stopen Grose-Low 1871 1872								2
ASC Unit-Chemistric complete, 3 to 15 percent depose Security Securit								2
15-66						-		5
24C								2
1876						-		3
Mathematic controller, 15 or 20 persons topops, very story 101								2
14 12 12 13 13 14 15 15 16 17 17 18 18 18 18 18 18								3
15								2
2006 Load-Michael Ly Controlle, 8 to 3 percent slopes Mochael Section Mochael Ly Controlle, 8 to 3 percent slopes Mochael Ly Controlle, 15 to 3 percent slopes Mochael Ly Controlle, 16 to 3 to 3 percent slopes Mochael Ly Controlle, 16 to 3 to 3 percent slopes Mochael Ly Controlle, 16 to 3 percen								3
Sect Lod-McClung-Liv companys 80 of 5 percent alopes								5
Section Sect								
25C								5
258						1		2
256	_							5
2016 Lostoowe very cobbb samply loam, 3 to 3.5 percent slopes, sever monty								5
27F				, , , , , , , , , , , , , , , , , , ,		-		2
277						1		5
Mate								5
Marbileyand Risk outering rumplex, \$1 is 35 percent slopes, extremely stony Metablegand 45 Metablegand 55 metables of Semenac Accel cuttering compilex, \$3 to 55 percent slopes, extremely stony Metablegand 45 Metablegand 55 metableg						1		5
Darblewerd-Sherano-Deck outcrop complex, 35 to 35 percent idopes, setterneily atony Marileyard 45 HEL 0.13 396 Martileyard-Sherano-Deck outcrop complex, 35 to 35 percent idopes, setterneily atony Mortileyard 45 HEL 0.15 396 Martileyard-Sherando-Deck outcrop complex, 35 to 35 percent idopes, setterneily atony Mork outcrop 20 Martileyard 45 HEL 0.15 396 Martileyard Sherando-Deck outcrop complex, 51 to 35 percent idopes, setterneily atony Martileyard 45 HEL 0.15 396 Martileyard Sherando-Rock outcrop complex, 51 to 35 percent idopes, setterneily atony Sherando 30 HP 0.2 396 Martileyard Sherando Rock outcrop complex, 51 to 35 percent idopes, setterneily atony Sherando 30 HP 0.2 396 Martileyard Sherando Rock outcrop 30 HP 0.2 397				<u> </u>		HEL	0.15	2
Matthleyard Skerands Rock puttons complex, \$1 to 55 percent stopes, extremely stony				· ·				
Marbleyard Sherando-Rock outcrop complex, \$5 to 55 percent stopes, extremely strony Rock outcrop				•				2
Warbleyard Sherands Neck outrop comples, \$1 to 80 percent slopes, extremely stony Marbleyard 55						HEL	0.2	3
Marbieyand's Sherando Rook outcrop complex, 55 to 80 percent slopes, extremely story Sherando 30 HEL 0.2 3.				•				
Marbleyand Sherando Rock outcomp complex, 51 to 80 percent slopes, extremely stony Rock outcomp Adam			Marbleyard-Sherando-Rock outcrop complex, 55 to 80 percent slopes, extremely stony	· · · · · · · · · · · · · · · · · · ·		HEL		2
Materia	39G		Marbleyard-Sherando-Rock outcrop complex, 55 to 80 percent slopes, extremely stony	Sherando	30	HEL	0.2	3
## According from the Control of t	39G		Marbleyard-Sherando-Rock outcrop complex, 55 to 80 percent slopes, extremely stony	Rock outcrop	20			
ACC	40A		Maurertown-Toms complex, 0 to 3 percent slopes, rarely flooded	Maurertown	50	NHEL	0.37	5
MCCamy (born, 3 to 15 percent slopes, very storny McCamy 85 PHEL 0.28 1.22	40A		Maurertown-Toms complex, 0 to 3 percent slopes, rarely flooded	Toms	45	NHEL	0.49	5
ASF	41C		McCamy loam, 3 to 15 percent slopes, very stony	McCamy	85	PHEL	0.28	2
MCClung-Caneyville-Details complies, 3 to 5 percent slopes Needmore Open Needmore Open Open Needmore Open	42F		McClung-Caneyville-Dekalb complex, 35 to 55 percent slopes, very stony	McClung	40	HEL	0.28	5
McClung-Caneyville-Dekalb complex, 3 to 15 specent slopes Necdmore Openium complex, 3 to 15 percent slopes Necdmore Openium complex, 3 to 15 percent slopes Necdmore Openium complex, 5 to 15 percent slopes Necdmore Openium complex, 15 to 35 percent slopes Necdmore Openium complex, 15 to 35 percent slopes Necdmore Openium complex, 5 to 15 percent slopes Necdmore Openium complex, 5 to 17 percent slopes Necdmore Openium complex, 5 to 18 percent slopes, extremely stomy Oriskamy Laidig 25 percent slopes, ottemely stomy Laidig 25 percent slopes, ottemely stomy Laidig 25 percent slopes Necdmore Openium complex, 5 to 18 percent slopes, extremely stomy Oriskamy Septim complex, 5 to 18 percent slopes, extremely stomy Oriskamy Septim complex, 5 to 18 percent slopes, extremely stomy Oriskamy Septim complex, 5 to 18 percent slopes, extremely stomy Oriskamy Septim complex, 5 to 18 percent slopes, extremely stomy Oriskamy Septim complex, 5 to 18 percent slopes, settlemely stomy Oriskamy Septim complex, 5 to 18 percent slopes, settlem	42F				30	HEL	0.43	2
49C Needmore-Opequon complex, 3 to 15 percent slopes Opequon 30 PHEL 0.43 23 24 24 24 24 24 24	42F				25	HEL	0.17	2
ASC Needmore-Opequon complex. 3 to 15 percent slopes Needmore Opequon complex. 15 to 35 percent slopes Needmore Opequon complex. 15 to 35 percent slopes Needmore Opequon complex. 35 to 35 percent slopes Needmore Opequon complex. 35 to 35 percent slopes Needmore Opequon complex. 35 to 70 percent slopes Needmore Opequon opequon complex. 35 to 70 percent slopes Needmore Opequon opequon opequon complex. 35 to 70 percent slopes Needmore Opequon opequo	43C			Needmore		PHEL		3
ASE Needmore Opequon complex. 15 to 35 percent slopes Needmore 55 HEL 0.32								1
43F				<u> </u>				3
1481 Needmore-Opequon complex, 35 to 70 percent slopes Needmore 50 HEL 0.32 1.44 1.42 1.4								1
A						-		3
A4E								1
Add								3
ASB Nicelytown Jos. 3 to 8 percent slopes Nicelytown BS PHEL 0.32 1.5						1122	0.13	
AGE						PHFI	0.32	5
A68								5
47C				<u> </u>		11166	0.52	, J
A7C						DHEI	0.15	5
A7E				<u> </u>				4
AFE	_							5
A9E				· ·				
A9C						-		4
49E				-		-		5
49E				· ·		-		5
A9E								5
49F				•		1		5
49F								5
Peaks-Edneytown complex, 15 to 35 percent slopes, very rocky				•		-		5
Peaks-Edneytown complex, 15 to 35 percent slopes, very rocky								5
Peaks-Edneytown complex, 35 to 70 percent slopes, very rocky Peaks 55 HEL 0.17 2 2 2 2 2 2 2 2 2								2
Peaks-Edneytown complex, 35 to 70 percent slopes, very rocky Edneytown 40 HEL 0.37 5								5
Philo fine sandy loam, 0 to 3 percent slopes, occasionally flooded								2
Pignut-Myersville complex, 3 to 15 percent slopes, very stony Pignut 50 PHEL 0.37 2 2 2 2 2 2 2 2 2								5
Pignut-Myersville complex, 3 to 15 percent slopes, very stony Pignut 40 PHEL 0.43 42 43 44 45 45 45 45 45 45						-		5
Pignut silt loam, 15 to 35 percent slopes, very stony								2
Pignut silt loam, 35 to 70 percent slopes, very stony						-		4
1 Pits, Quarries 1 Pits, Quarries 2 Quarries 2 Quarries 3 Pits and Dumps 4 Pits 5 Pits and Dumps 4 Pits 5 Pits and Dumps 4 Pits 5 Pope fine sandy loam, 0 to 3 percent slopes, occasionally flooded 4 Pope 3 380F/50F 3 80F/50F 3 80F/50F Rock outcrop-Dekalb-Rubble land complex 3 80F/50F Rock outcrop-Dekalb-Rubble land complex 3 80F/50F Rock outcrop-Dekalb-Rubble land complex Rock outcrop-Dekalb-Rubble land complex 3 80F/50F Rock outcrop-Opequon complex, 55 to 100 percent slopes Rock outcrop-Opequon complex, 55 to 100 percent slopes 5 Rock outcrop-Opequon complex						-		2
1 Pits, Quarries Quarries 54 Pits and Dumps Pits 50 554 Pits and Dumps Dumps 45 555 Pope fine sandy loam, 0 to 3 percent slopes, occasionally flooded Pope 90 NHEL 0.2 48 380F/50F Rock outcrop-Dekalb-Rubble land complex Rock outcrop Dekalb Rubble land complex Rubble land Complex Rubble land Complex Rubble land Complex Rubble land Rubble land Complex Rubble land Rubble land Complex Rubble land Rubble land Rubble land Complex Rubble land Rubble land Complex Rubble land Rock outcrop-Dekalb-Rubble land complex Rubble land Rock outcrop-Opequon complex, 55 to 100 percent slopes Rock outcrop 60 56G Rock outcrop-Opequon complex, 55 to 100 percent slopes Opequon 25 HEL 0.32 10 Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Sensabaugh 40 NHEL 0.2 40 Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Lobdell 30 NHEL 0.28 50 Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Derroc 20 NHEL 0.15 50 Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes Sherando PHEL 0.1 40 Sensabaugh Sherando loam very stony cobbly fine sandy, 7 to 15 percent slopes Sherando HEL 0.1 40 Sensabaugh Sherando Sherando HEL 0.1 40 Sensabaugh Sherando Sherando HEL 0.1 40 Sensabaugh Sherando HEL 0.1 40 Sensabaugh Sherando Sherando HEL 0.1 40 Sensabaugh Sherando Sherando HEL 0.1 40 Sensabaugh Sherando Sher	53F				90	HEL	0.37	2
Pits and Dumps Pits and Dumps Pits and Dumps Pope fine sandy loam, 0 to 3 percent slopes, occasionally flooded Pope Pope fine sandy loam, 0 to 3 percent slopes, occasionally flooded Pope Pope fine sandy loam, 0 to 3 percent slopes, occasionally flooded Pope Pope Pope Pope Pope Pope Pope Pope								
Pits and Dumps		1						
Pope fine sandy loam, 0 to 3 percent slopes, occasionally flooded 808F/50F Rock outcrop-Dekalb-Rubble land complex 808F/50F Rock outcrop-Dekalb-			·					
380F/50F Rock outcrop-Dekalb-Rubble land complex Dekalb			· · · · · · · · · · · · · · · · · · ·	Dumps				
380F/50F Rock outcrop-Dekalb-Rubble land complex 380F/50F Rock outcrop-Dekalb-Rubble land complex Rubble land	55A		Pope fine sandy loam, 0 to 3 percent slopes, occasionally flooded	Pope	90	NHEL	0.2	4
Section Sect		380F/50F	· · ·	Rock outcrop				
Rock outcrop-Opequon complex, 55 to 100 percent slopes Rock outcrop-Opequon complex, 55 to 100 percent slopes Opequon		-		Dekalb				
56GRock outcrop-Opequon complex, 55 to 100 percent slopesOpequon25HEL0.32157ASensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally floodedSensabaugh40NHEL0.2457ASensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally floodedLobdell30NHEL0.28557ASensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally floodedDerroc20NHEL0.155291CSherando loam very stony cobbly fine sandy, 7 to 15 percent slopesSherandoPHEL0.14291DSherando loam very stony cobbly fine sandy, 15 to 35 percent slopesSherandoHEL0.14		380F/50F	Rock outcrop-Dekalb-Rubble land complex	Rubble land				
Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Lobdell 30 NHEL 0.2 4 Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Derroc 20 NHEL 0.15 Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Derroc Sherando PHEL 0.1 4 Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes Sherando PHEL O.1 4 Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes Sherando Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Sensabaugh-Lobdell Sensabaugh Se	56G		Rock outcrop-Opequon complex, 55 to 100 percent slopes	Rock outcrop	60			
Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Lobdell 30 NHEL 0.28 5 Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Derroc 20 NHEL 0.15 5 291C Sherando loam very stony cobbly fine sandy, 7 to 15 percent slopes Sherando PHEL 0.1 291D Sherando loam very stony cobbly fine sandy, 15 to 35 percent slopes Sherando HEL 0.1 24	56G		Rock outcrop-Opequon complex, 55 to 100 percent slopes	Opequon	25	HEL	0.32	1
Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Lobdell 30 NHEL 0.28 5 Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Derroc 20 NHEL 0.15 5 291C Sherando loam very stony cobbly fine sandy, 7 to 15 percent slopes Sherando PHEL 0.1 291D Sherando loam very stony cobbly fine sandy, 15 to 35 percent slopes Sherando HEL 0.1 24	57A		Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded	Sensabaugh	40	NHEL	0.2	4
Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded Derroc 20 NHEL 0.15 5 291C Sherando loam very stony cobbly fine sandy, 7 to 15 percent slopes Sherando PHEL 0.1 4 291D Sherando loam very stony cobbly fine sandy, 15 to 35 percent slopes Sherando HEL 0.1	57A		Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded		30	NHEL	0.28	5
291C Sherando loam very stony cobbly fine sandy, 7 to 15 percent slopes Sherando PHEL 0.1 291D Sherando loam very stony cobbly fine sandy, 15 to 35 percent slopes Sherando HEL 0.1 2	57A		Sensabaugh-Lobdell-Derroc complex, 0 to 3 percent slopes, occasionally flooded	Derroc	20	NHEL	0.15	5
291D Sherando loam very stony cobbly fine sandy, 15 to 35 percent slopes Sherando HEL 0.1		291C						4
								4
291E Sherando loam very stony cobbly fine sandy, 35 to 55 percent slopes Sherando HEL 0.1								4

2010 Pub	1/1/1990	Mapunit Name	Component	Component	HEL Class	Frozen K	Frozen T
MU Sym	MU Sym	Mapunit Name	Name	Percent	TILL Class	Factor	Factor
						. 0.000	
58B		Shottower fine sandy loam, 3 to 8 percent slopes	Shottower	90	PHEL	0.24	4
58C		Shottower fine sandy loam, 8 to 15 percent slopes	Shottower	90	PHEL	0.24	4
58D		Shottower fine sandy loam, 15 to 25 percent slopes	Shottower	85	HEL	0.24	4
59E		Shottower cobbly fine sandy loam, 25 to 35 percent slopes	Shottower	85	HEL	0.24	5
60C		Shottower-Urban land complex, 3 to 15 percent slopes	Shottower	50	PHEL	0.24	4
60C		Shottower-Urban land complex, 3 to 15 percent slopes	Urban land	45	5		_
61B		Slabtown silt loam, 0 to 8 percent slopes	Slabtown	80	PHEL	0.37	5
61C 62		Slabtown silt loam, 8 to 15 percent slopes Slickens	Slabtown Slickens	80 100	PHEL	0.37	5
63E		Stumptown-Marbleyard-Rock outcrop complex, 15 to 35 percent slopes, extremely stony	Stumptown	40	HEL	0.1	2
63E		Stumptown-Marbleyard-Rock outcrop complex, 15 to 35 percent slopes, extremely stony	Marbleyard	35	HEL	0.15	2
63E		Stumptown-Marbleyard-Rock outcrop complex, 15 to 35 percent slopes, extremely stony	Rock outcrop	15	1122	0.13	_
63F		Stumptown-Marbleyard-Rock outcrop complex, 35 to 55 percent slopes, extremely stony	Stumptown	40	HEL	0.1	2
63F		Stumptown-Marbleyard-Rock outcrop complex, 35 to 55 percent slopes, extremely stony	Marbleyard	35	HEL	0.15	2
63F		Stumptown-Marbleyard-Rock outcrop complex, 35 to 55 percent slopes, extremely stony	Rock outcrop	15			
63G		Stumptown-Marbleyard-Rock outcrop complex, 55 to 80 percent slopes, extremely stony	Stumptown	40	HEL	0.1	2
63G		Stumptown-Marbleyard-Rock outcrop complex, 55 to 80 percent slopes, extremely stony	Marbleyard	35	HEL	0.15	2
63G		Stumptown-Marbleyard-Rock outcrop complex, 55 to 80 percent slopes, extremely stony	Rock outcrop	15			
64E		Stumptown-Sylco complex, 15 to 35 percent slopes, very stony	Stumptown	50	HEL	0.1	2
64E		Stumptown-Sylco complex, 15 to 35 percent slopes, very stony	Sylco	45	HEL	0.28	2
64F		Stumptown-Sylco complex, 35 to 55 percent slopes, very stony	Stumptown	50	HEL	0.1	2
64F		Stumptown-Sylco complex, 35 to 55 percent slopes, very stony	Sylco	35	HEL	0.28	2
65E		Sylco-Marbleyard complex, 15 to 35 percent slopes, very rocky	Sylco	45	HEL	0.28	2
65E		Sylco-Marbleyard complex, 15 to 35 percent slopes, very rocky	Marbleyard	40	HEL	0.15	2
65F		Sylco-Marbleyard complex, 35 to 55 percent slopes, very rocky	Sylco	50	HEL	0.28	2
65F		Sylco-Marbleyard complex, 35 to 55 percent slopes, very rocky	Marbleyard	45	HEL	0.15	2
65G		Sylco-Marbleyard complex, 55 to 80 percent slopes, very rocky	Sylco	50	HEL	0.28	2
65G		Sylco-Marbleyard complex, 55 to 80 percent slopes, very rocky	Marbleyard	35	HEL	0.15	2
66C		Thunder-Saunook complex, 3 to 15 percent slopes, very bouldery	Thunder	50	PHEL	0.24	5
66C 66E		Thunder-Saunook complex, 3 to 15 percent slopes, very bouldery Thunder-Saunook complex, 15 to 35 percent slopes, very bouldery	Saunook Thunder	30 50	PHEL HEL	0.2	5 5
66E		Thunder-Saunook complex, 15 to 35 percent slopes, very bouldery Thunder-Saunook complex, 15 to 35 percent slopes, very bouldery	Saunook	30	HEL	0.24	5
66F		Thunder-Saunook complex, 15 to 55 percent slopes, very bouldery	Thunder	50	HEL	0.24	5
66F		Thunder-Saunook complex, 35 to 55 percent slopes, very bouldery	Saunook	30	HEL	0.24	5
001	29B	Timberville silt loam, 2 to 7 percent slopes	Timberville	30	PHEL	0.32	4
67C	235	Tumbling-Vanella complex, 8 to 15 percent slopes	Tumbling	50	PHEL	0.28	5
67C		Tumbling-Vanella complex, 8 to 15 percent slopes	Vanella	40	PHEL	0.2	4
67D		Tumbling-Vanella complex, 15 to 25 percent slopes	Tumbling	50	HEL	0.28	5
67D		Tumbling-Vanella complex, 15 to 25 percent slopes	Vanella	40	HEL	0.2	4
67E		Tumbling-Vanella complex, 25 to 35 percent slopes	Tumbling	50	HEL	0.28	5
67E		Tumbling-Vanella complex, 25 to 35 percent slopes	Vanella	40	HEL	0.2	4
68D		Tumbling-Vanella-Urban land complex, 8 to 25 percent slopes	Tumbling	35	PHEL	0.28	5
68D		Tumbling-Vanella-Urban land complex, 8 to 25 percent slopes	Vanella	30	PHEL	0.2	4
68D		Tumbling-Vanella-Urban land complex, 8 to 25 percent slopes	Urban land	25			
69A		Tygart-Purdy complex, 0 to 3 percent slopes	Tygart	55	NHEL	0.37	5
69A		Tygart-Purdy complex, 0 to 3 percent slopes	Purdy	40	NHEL	0.28	5
70		Udorthents, refuse substratum	Udorthents	85			
71		Udorthents, smoothed-Urban land complex	Udorthents	50			
71		Udorthents, smoothed-Urban land complex	Urban land	45	51151	0.0	
72C		Unaka-Plott complex, 3 to 15 percent slopes, very stony	Unaka	60	PHEL	0.2	2
72C		Unaka-Plott complex, 3 to 15 percent slopes, very stony	Plott	30	PHEL	0.2	4
72E 72E		Unaka-Plott complex, 15 to 35 percent slopes, very stony Unaka-Plott complex, 15 to 35 percent slopes, very stony	Unaka Plott	65 30	HEL HEL	0.2	2 4
72E 73C		Vanella-Tumbling complex, 3 to 15 percent slopes, very stony	Vanella	50	PHEL	0.2	5
73C		Vanella-Tumbling complex, 3 to 15 percent slopes, very stony Vanella-Tumbling complex, 3 to 15 percent slopes, very stony	Tumbling	40	PHEL	0.2	5
73E		Vanella-Tumbling complex, 15 to 35 percent slopes, very stony	Vanella	50	HEL	0.28	5
73E		Vanella-Tumbling complex, 15 to 35 percent slopes, very stony Vanella-Tumbling complex, 15 to 35 percent slopes, very stony	Tumbling	40	HEL	0.28	5
74C		Watahala-Frederick complex, 8 to 15 percent slopes, very stony	Watahala	60	PHEH	0.32	4
74C		Watahala-Frederick complex, 8 to 15 percent slopes, very stony	Frederick	30	PHEL	0.37	5
74E		Watahala-Frederick complex, 15 to 35 percent slopes, very stony	Watahala	50	HEL	0.32	4
74E		Watahala-Frederick complex, 15 to 35 percent slopes, very stony	Frederick	35	HEL	0.37	5
74F		Watahala-Frederick complex, 35 to 55 percent slopes, very stony	Watahala	60	HEL	0.32	4
74F		Watahala-Frederick complex, 35 to 55 percent slopes, very stony	Frederick	20	HEL	0.37	5
	70F	Weikert-Berks complex, 55 to 70 percent slopes	Weikert		HEL	0.28	2
	70F	Weikert-Berks complex, 55 to 70 percent slopes	Berks				
75E		Weikert-Berks-Rough complex, 15 to 35 percent slopes	Weikert	45	HEL	0.43	1
75E		Weikert-Berks-Rough complex, 15 to 35 percent slopes	Berks	30	HEL	0.37	2
75E		Weikert-Berks-Rough complex, 15 to 35 percent slopes	Rough	20	HEL	0.49	1
75F		Weikert-Berks-Rough complex, 35 to 70 percent slopes	Weikert	45	HEL	0.43	1
75F		Weikert-Berks-Rough complex, 35 to 70 percent slopes	Berks	30	HEL	0.37	2
75F		Weikert-Berks-Rough complex, 35 to 70 percent slopes	Rough	15	HEL	0.49	1
76G		Weikert-Rough-Rock outcrop complex, 70 to 100 percent slopes	Weikert	35	HEL	0.43	1
76G		Weikert-Rough-Rock outcrop complex, 70 to 100 percent slopes	Rough	30	HEL	0.49	1
76G	11 1	Weikert-Rough-Rock outcrop complex, 70 to 100 percent slopes	Rock outcrop	25	KILIEI	0.27	
	11A	Wheeling silt loam, 0 to 2 percent slopes	Wheeling		NHEL	0.37	4
	11B 11C	Wheeling silt loam, 2 to 7 percent slopes Wheeling silt loam, 7 to 15 percent slopes	Wheeling Wheeling		PHEL HEL	0.37 0.37	4
77C	110	Wheeling slit loam, 7 to 15 percent slopes Wintergreen loam, 8 to 15 percent slopes	Wintergreen	90	PHEL	0.37	5
77C		Wintergreen loam, 8 to 15 percent slopes Wintergreen loam, 15 to 25 percent slopes	Wintergreen	90	HEL	0.32	5
77E		Wintergreen loam, 15 to 25 percent slopes Wintergreen loam, 25 to 35 percent slopes	Wintergreen	90	HEL	0.32	5
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2010 Pub	1/1/1990	Mapunit Name	Component	Component	HEL Class	Frozen K	Frozen T
MU Sym	MU Sym		Name	Percent		Factor	Factor
78E		Wintergreen loam, 15 to 35 percent slopes, very stony	Wintergreen	85	HEL	0.32	5
79A		Wolfgap loam, 0 to 3 percent slopes, rarely flooded	Wolfgap	90	NHEL	0.28	5
80A		Wolfgap-Derroc-Urban land complex, 0 to 3 percent slopes, rarely flooded	Wolfgap	35	NHEL	0.28	5
80A		Wolfgap-Derroc-Urban land complex, 0 to 3 percent slopes, rarely flooded	Derroc	30	NHEL	0.15	5
80A		Wolfgap-Derroc-Urban land complex, 0 to 3 percent slopes, rarely flooded	Urban land	25			
W		Water	Water	100			