Map Unit Symbol	Component Name - Local Phase	Percent Composition	Kf	I (WEQ)	T Factor	HEL - Water	HEL-Wind
28DY01:	**Dystrogelepts-Gelorthents complex, 10 to 30 percent slopes**					**HEL**	
	Dystrogelepts	60	0.43	134	1	HEL	NHEL
	Gelorthents	30	0.28	86	1	HEL	NHEL
28HA01:	**Haplocryepts, 45 to 70 percent slopes**	80	0.37	134	5	**HEL**	NHEL
28HA02:	**Haplocryepts, 15 to 45 percent slopes**	80	0.37	134	5	**PHEL**	NHEL
29BL01	**Bolio peat**				1		
29CR01:	**Typic Cryorthents-Urban land complex, 1-2 perc**	40	0.37	134	5	**NHEL**	NHEL
29DN01:	**Donnelly silt loam, 0 to 3 percent slopes**	90	0.64	86	1	**PHEL**	NHEL
29DN02:	**Donnelly silt loam, 15 to 60 percent slopes**	90	0.64	86	1	**HEL**	NHEL
29DN04:	**Donnelly-Lupine complex**					**PHEL**	
	Donnelly silt loam, 0 to 3 percent slopes	50	0.64	86	1	PHEL	NHEL
	Lupine very fine sandy loam, 0-2 percent slopes	20	0.55	134	2	NHEL	NHEL
29EL01:	**Eielson-Piledriver complex, occasionally flooded**					**NHEL**	
	Eielson very fine sandy loam, 0-2 percent slopes	60	0.37	134	5	NHEL	NHEL
	Piledriver, occasionally flooded, 0-2 percent slopes	30	0.37	134	2	NHEL	NHEL
29EL02:	**Eielson-Tanana complex**					**NHEL**	
	Eielson, rarely flooded, 0-2 percent slopes	50	0.37	134	5	NHEL	NHEL
	Tanana, 0-2 percent slopes	35	0.43		2	NHEL	NHEL
29EL03:	**Eielson very fine sandy loam, 0-2 percent slopes**	75	0.37	134	5	**NHEL**	NHEL
29FA01:	**Faa silt loam, 3 to 30 percent slopes**	90	0.37	134	5	**PHEL**	NHEL
29FU01:	**Fubar-Piledriver complex, occasionally flooded**					**NHEL**	
	Fubar, occasionally flooded, 0-2 percent slopes	50	0.32	134	1	NHEL	NHEL
	Piledriver, occasionally flooded, 0-2 percent slopes	40	0.37	134	2	NHEL	NHEL
29GE01:	**Gerstle-Moosehead complex**					**NHEL**	
	Gerstle, 0-2 percent slopes	45	0.49	86	4	NHEL	NHEL
	Moosehead, 0-2 percent slopes	35	0.49	86	2	NHEL	NHEL
29GE03:	**Donnelly-Gerstle-Moosehead complex, 1 to 15 percent slopes**					**PHEL**	
	Donnelly silt loam, 1-12 percent slopes	35	0.64	86	1	PHEL	NHEL
	Gerstle, 5-12 percent slopes	25	0.49	86	4	PHEL	NHEL
	Moosehead, 1-15 % slopes	25	0.49	86	2	PHEL	NHEL
29HY01:	**Hydric Cryofibrists-Liscum complex**					**NHEL**	
	Hydric Cryofibrists, < 1 percent slope	50	---		1		
	Liscum, 0-1 percent slopes	20	0.37		5	NHEL	NHEL
29LS01:	**Liscum-Terric Cryohemists-Bolio complex**					**NHEL**	
	Terric Cryohemists, 0-1 percent slopes	35	---		1		NHEL
	Liscum, 0-1 percent slopes	30	0.37		5	NHEL	NHEL
	Bolio pea, 0-1 percent slopes				1		

29LU01:	**Lupine very fine sandy loam, 0-2 percent slopes**	70	0.55	134	2	**NHEL**	NHEL
29MS01:	**Mosquito peat, 0-1 percent slopes**	70	0.37		2	**NHEL**	NHEL
29NE01:	**Nenana silt loam, 0 to 3 percent slopes**	75	0.49	134	2	**NHEL**	NHEL
29NE02:	**Nenana-Sawmill Creek complex**					**NHEL**	
	Nenana silt loam, 0 to 3 percent slopes	45	0.49	86	2	NHEL	NHEL
	Sawmill Creek silt loam, 0-2 percent slopes	40	0.64	86	2	NHEL	NHEL
29NN01:	**Noonku very fine sandy loam, 0-2 percent slope**	80	0.32	134	3	**NHEL**	NHEL
29PE01:	**Peede silt loam, ponded, 0-2 percent slopes**	85	0.37	134	3	**NHEL**	NHEL
29PL01:	**Eielson-Piledriver complex**					**NHEL**	
	Eielson, rarely flooded, 0-2 percent slopes	50	0.37	134	5	NHEL	NHEL
	Piledriver, 0-2 percent slopes	30	0.37	134	2	NHEL	NHEL
29SA01:	**Sawmill Creek silt loam, 0-2 percent slopes**	85	0.43	134	1	**NHEL**	NHEL
29TA01:	**Tatlanika-Totatlanika complex**					**NHEL**	
	Tatlanika, very poorly drained, 0-2 percent slopes	50	0.37		2	NHEL	NHEL
	Totatlanika, very poorly drained, 0-2 percent slopes	30	0.32		1	NHEL	NHEL
29TC01:	**Tanacross peat, 0-2 percent slopes**	75	0.37		1	**NHEL**	NHEL
29TE01:	**Typic Cryaquents, Liscum and Terric Cryohemists soils, flood plains**					**NHEL**	
	Typic Cryaquents, frequent long ponding, 0-5	35	0.37		5	NHEL	NHEL
	Liscum, 0-1 percent slopes	25	0.37		5	NHEL	NHEL
	Terric Cryohemists, 0-1 percent slopes	20	---		1		
29TN01:	**Tanana silt loam, 0-2 percent slopes**	80	0.43		2	**NHEL**	NHEL
29TN02:	**Tanana-Mosquito complex**					**NEHL**	
	Tanana silt loam, 0-2 percent slopes	60	0.43		2	NHEL	NHEL
	Mosquito peat, 0-1 percent slopes	20	0.37		2	NHEL	NHEL
29TT01:	**Totatlanika-Tatlanika complex**					**NHEL**	
	Totatlanika, poorly drained, 0-2 percent slopes	40	0.32		1	NHEL	NHEL
	Tatlanika, poorly drained, 0-2 percent slopes	30	0.37		2	NHEL	NHEL
29TY01:	**Typic Haplocryepts, sandy, 0-3 percent slopes**	80	0.32	134	1	**NHEL**	NHEL
29WI01:	**Windy Creek-Browne complex**					**NHEL**	
	Windy Creek, 0-2 percent slopes	45	0.32		2	NHEL	NHEL
	Browne, 0-2 percent slopes	40	0.43		2	NHEL	NHEL
31BR01:	**Brigadier-Ester complex, 15 to 45 percent slopes**					**HEL**	
	Brigadier, 15-25 percent slopes	45	0.43	134	1	HEL	NHEL
	Ester Peat, 20-45 percent slopes	40	0.37		1	HEL	NHEL
31BR02:	**Brigadier-Ester complex, 45 to 70 percent slopes**					**HEL**	
	Brigadier, 45-60 percent slopes	45	0.43	134	1	HEL	NHEL
	Ester Peat, 45-70 percent slopes	40	0.37		1	HEL	NHEL

31BR03:	**Brigadier-Manchu complex, 3 to 7 percent slopes**					**PHEL**	
	Brigadier, 3-7 percent slopes	45	0.43	134	1	PHEL	NHEL
	Manchu, 3-7 percent slopes	40	0.43	134	2	NHEL	NHEL
31BR04:	**Brigadier-Manchu complex, 7 to 12 percent slopes**					**PHEL**	
	Brigadier, 7-12 percent slopes	45	0.43	134	1	HEL	NHEL
	Manchu, 7-12 percent slopes	40	0.43	134	2	PHEL	NHEL
31BR05:	**Brigadier-Manchu complex, 12 to 20 percent slopes**					**HEL**	
	Brigadier 12 to 20 percent slopes	45	0.43	134	1	HEL	NHEL
	Manchu, 12 to 20 percent slopes	40	0.43	134	2	HEL	
31BR06:	**Brigadier-Manchu complex, 20 to 30 percent slopes**					**HEL**	NHEL
	Brigadier, 20 to 30 percent slopes	45	0.43	134	1	HEL	NHEL
	Manchu, 20 to 30 percent slopes	40	0.43	134	2	HEL	NHEL
31BR07:	**Brigadier-Manchu complex, 30 to 45 percent slopes**					**HEL**	
	Brigadier, 30 to 45 percent slopes	45	0.43	134	1	HEL	NHEL
	Manchu, 30 to 45 percent slopes	40	0.43	134	2	HEL	NHEL
31CH01:	**Chatanika silt loam, 0 to 3 percent slopes**	75	0.43	134	4	**NHEL**	NHEL
31CH02:	**Chatanika silt loam, 3 to 7 percent slopes**	75	0.43	134	4	**NHEL**	NHEL
31CH03:	**Chatanika silt loam, 7 to 12 percent slopes**	75	0.43	134	4	**PHEL**	NHEL
31CH04:	**Chatanika-Goldstream complex, 0 to 5 percent slopes**					**PHEL**	
	Chatanika silt loam, 0 to 5 percent slopes	45	0.43	134	4	NHEL	NHEL
	Goldstream peat, 0-5 percent slopes	40	0.55		2	PHEL	NHEL
31ES01:	**Ester peat, 20 to 45 percent slopes**	75	0.15		1	**HEL**	NHEL
31ES02:	**Ester peat, 45 to 70 percent slopes**	75	0.15		1	**HEL**	NHEL
31FA01:	**Fairbanks silt loam, 3 to 7 percent slopes**	80	0.37	134	5	**NHEL**	NHEL
31FA02:	**Fairbanks silt loam, 7 to 12 percent slopes**	80	0.37	134	5	**NHEL**	NHEL
31FA03:	**Fairbanks silt loam, 12 to 20 percent slopes**	70	0.37	134	5	**PHEL**	NHEL
31FA04:	**Fairbanks silt loam, 20 to 30 percent slopes**	80	0.37	134	5	**HEL**	NHEL
31FA05:	**Fairbanks silt loam, 30 to 45 percent slopes**	85	0.37	134	5	**HEL**	NHEL
31FA06:	**Fairbanks silt loam, 45 to 70 percent slopes**	85	0.37	134	5	**HEL**	NHEL
31FA07:	**Fairbanks silt loams, gullied, 7 to 70 percent slopes**					**PHEL**	
	Fairbanks silt loam , 7-15% slopes	60	0.37	134	5	Nhel	NHEL
	Fairbanks silt loam , 30-70 percent slopes	30	0.37	134	5	PHEL	NHEL
31FA08:	**Fairbanks-Steese complex, 3 to 7 percent slopes**					**NHEL**	
	Fairbanks silt loam, 3 to 7 percent slopes	50	0.37	134	5	NHEL	NHEL
	Steese silt loam, 3 to 7 percent slopes	40	0.43	134	2	NHEL	NHEL
31FA09:	**Fairbanks-Steese complex, 7 to 12 percent slopes**					**PHEL**	
	Fairbanks silt loam, 7 to 12 percent slopes	50	0.37	134	5	NHEL	NHEL
	Steese silt loam, 7 to 12 percent slopes	40	0.43	134	2	PHEL	NHEL

31FA10:	**Fairbanks-Steese complex, 12 to 20 percent slopes**					**PHEL**	
	Fairbanks silt loam, 12 to 20 percent slopes	55	0.37	134	5	PHEL	NHEL
	Steese silt loam, 12 to 20 percent slopes	30	0.43	134	2	HEL	NHEL
31FA11:	**Fairbanks-Steese complex, 20 to 30 percent slopes**					**HEL**	
	Fairbanks silt loam, 20 to 30 percent slopes	40	0.37	134	5	HEL	NHEL
	Steese silt loam, 20 to 30 percent slopes	35	0.43	134	2	HEL	NHEL
31FA12:	**Fairbanks-Steese complex, 30 to 45 percent slopes**					**HEL**	
	Fairbanks silt loam, 30 to 45 percent slopes	42	0.37	134	5	HEL	NHEL
	Steese silt loam, 30 to 45 percent slopes	40	0.43	134	2	HEL	NHEL
31GD01:	**Goldstream peat, 0 to 3 percent**	80	0.55		2	**NHEL**	NHEL
31GD02:	**Goldstream peat, 3 to 7 percent slopes**	75	0.55		2	**PHEL**	NHEL
31GD03:	**Goldstream-Histels complex**					**NHEL**	
	Goldstream peat, 0 to 2 percent slopes	55	0.43		1	NHEL	NHEL
	Histels, 0-1 percent slopes	30	0.43		1	NHEL	NHEL
31GL01:	**Gilmore silt loam, 3 to 7 percent slopes**	83	0.43	134	1	**PHEL**	NHEL
31GL02:	**Gilmore silt loam, 7 to 12 percent slopes**	70	0.43	134	1	**HEL**	NHEL
31GL03:	**Gilmore silt loam, 12 to 20 percent slopes**	75	0.43	134	1	**HEL**	NHEL
31GL04:	**Gilmore silt loam, 20 to 30 percent slopes**	75	0.43	134	1	**HEL**	NHEL
31GL05:	**Gilmore silt loam, 30 to 45 percent slopes**	85	0.43	134	1	**HEL**	NHEL
31GL06:	**Gilmore silt loam, 45 to 70 percent slopes**	85	0.43	134	1	**HEL**	NHEL
31HA01:	**Happy silt loam, 1 to 7 percent slopes**	80	0.43	134	2	**PHEL**	NHEL
31HI01:	**Histels**	90	---		1		
31MN01:	**Minto silt loam, 0 to 3 percent slopes**	80	0.43	134	5	**NHEL**	NHEL
31MN02:	**Minto silt loam, 3 to 7 percent slopes**	80	0.43	134	5	**NHEL**	NHEL
31MN03:	**Minto silt loam, 7 to 12 percent**	65	0.43	134	5	**NHEL**	NHEL
31MN04:	**Minto silt loam, 12 to 20 percent slopes**	80	0.43	134	5	**PHEL**	NHEL
31MN05:	**Minto-Chatanika complex, 0 to 3 percent slopes**					**NHEL**	
	Minto silt loam, 0 to 3 percent slopes	45	0.43	134	5	NHEL	NHEL
	Chatanika silt loam, 0 to 3 percent slopes	40	0.43		2	NHEL	NHEL
31MN06:	**Minto-Chatanika complex, 3 to 7 percent slopes**					**NHEL**	
	Minto silt loam, 3 to 7 percent slopes	40	0.43	134	5	NHEL	NHEL
	Chatanika silt loam, 3 to 7 percent slopes	35	0.43	134	4	NHEL	NHEL
31MN07:	**Minto-Chatanika complex, 7 to 12 percent slopes**					**PHEL**	
	Minto silt loam, 7 to 12 percent	45	0.43	134	5	NHEL	NHEL
	Chatanika silt loam, 7 to 12 percent slopes	40	0.43	134	4	PHEL	NHEL

31MN08:	**Minto-Chatanika complex, 12 to 20 percent slopes**					**PHEL**	
	Minto silt loam, 12 to 20 percent slopes	45	0.43	134	5	PHEL	NHEL
	Chatanika silt loam, 7 to 12 percent slopes	40	0.43	134	4	PHEL	NHEL
31RS01:	**Rosie silt loam, 15 to 90 percent slopes**	95	0.43	134	2	**HEL**	NHEL
31SA01:	**Saulich peat, 3 to 7 percent slopes**	80	0.37		2	**NHEL**	NHEL
31SA02:	**Saulich peat, 7 to 12 percent slopes**	80	0.37		2	**PHEL**	NHEL
31SA03:	**Saulich peat,12 to 20 percent slopes**	75	0.37		2	**PHEL**	NHEL
31SA04:	**Saulich peat, 20 to 30 percent slopes**	80	0.37		2	**HEL**	NHEL
31SA05	**Saulich-Minto complex, 3 to 7 percent slopes**					**NHEL**	
	Saulich peat, 3 to 7 percent slopes	40	0.37		2	NHEL	NHEL
	Minto silt loam, 3 to 7 percent slopes	35	0.43	134	5	NHEL	NHEL
31SA06:	**Saulich-Minto complex, 7 to 12 percent slopes**					**PHEL**	
	Saulich peat, 7 to 12 percent slopes	40	0.37		2	PHEL	NHEL
	Minto silt loam, 7 to 12 percent	35	0.43	134	5	NHEL	NHEL
31SA07:	**Saulich-Minto complex, 12 to 20 percent slopes**					**PHEL**	
	Saulich peat, 20 to 30 percent slopes	40	0.37		2	HEL	NHEL
	Minto silt loam, 12 to 20 percent slopes	35	0.43	134	5	PHEL	NHEL
31ST01:	**Steese silt loam, 3 to 7 percent slopes**	80	0.43	134	2	**NHEL**	NHEL
31ST02:	**Steese silt loam, 7 to 12 percent slopes**	80	0.43	134	2	**PHEL**	NHEL
31ST03:	**Steese silt loam, 12 to 20 percent slopes**	80	0.43	134	2	**HEL**	NHEL
31ST04:	**Steese silt loam, 20 to 30 percent slopes**	80	0.43	134	2	**HEL**	NHEL
31ST05:	**Steese silt loam, 30 to 45 percent slopes**	80	0.43	134	2	**HEL**	NHEL
31ST06:	**Steese silt loam, 45 to 70 percent slopes**	90	0.43	134	2	**HEL**	NHEL
31ST07:	**Steese-Gilmore complex, 7 to 12 percent slopes**					**PHEL**	
	Steese silt loam, 7 to 12 percent slopes	40	0.43	134	2	PHEL	NHEL
	Gilmore silt loam, 7 to 12 percent slopes	35	0.43	134	1	HEL	NHEL
31ST08:	**Steese-Gilmore complex, 12 to 20 percent slopes**					**HEL**	
	Steese silt loam, 12 to 20 percent slopes	50	0.43	134	2	HEL	NHEL
	Gilmore silt loam, 12 to 20 percent slopes	30	0.43	134	1	HEL	NHEL
31ST09:	**Steese-Gilmore complex, 20 to 30 percent slopes**					**HEL**	
	Steese silt loam, 20 to 30 percent slopes	45	0.43	134	2	HEL	NHEL
	Gilmore silt loam, 20 to 30 percent slopes	40	0.43	134	1	HEL	NHEL
31ST10:	**Steese-Gilmore complex, 30 to 45 percent slopes**					**HEL**	
	Steese silt loam, 30 to 45 percent slopes	45	0.43	134	2	HEL	NHEL
	Gilmore silt loam, 30 to 45 percent slopes	40	0.43	134	1	HEL	NHEL

31TE01:	**Typic Cryaquents, Histic Cryaquepts and Terric Cryofibrists soils, hills**					**NHEL**	
	Typic Cryaquents, frequent long ponding, 0-5 percent slopes	30	0.37		5	NHEL	NHEL
	Terric Cryofibrists	20	---		1		
31TG01:	**Toghotthele silt loam, 20 to 90 percent slopes**	90	0.43	134	4	**HEL**	NHEL

The Food Securty Act of 1985, as amended, requred the developement of HEL Legends identifying Highly Erodible Soils. HEL Legends were developed in 1990 and frozen to provid consistenccy accross the nation when making HEL determination. Soil surveys completed after that date do NOT have official HEL Legends. In order to assist NRCS employees in making HEL determinations for new soil surveys this indicatior list may be used to provide a general indication of the potential of highly erodible soils within each map unit.

Soil Map units designated with NHEL have Erodibility Index values, within the slope range of the map unit, of less than 8. Soil Map units designated with PHEL have Erodibility Index values, within the slope range of the map unit of both less than 8 and greater than 8; therefore, a feild determination must be made to determine if the field is highly erodible. Soil map units designated with PHEL* have Erodibilty Index values greater than 8 for the complete map unit. A field determination must be made to determine if the field is highly erodible.