

KEY TO ILLINOIS SOILS JUNE 2006				Natural drainage class				
Parent Material ^{a b}	Surface Color ^{a b}	Additional Features	Well ^c	Moderately Well	Somewhat poor	Poor	Line	
Loess < 20 in. thick on Illinoian loam till	Dark		Velma 250-FL				59	
	Light		Hickory 8-FL				60	
		Pre-Illinoian	Lindley 559-FL				61	
Loess < 20 in. thick on paleosols	Dark					Coatsburg 660-F	62	
	Light		Ursa 605-F	Ursa 655 - F	Atlas 7-F		63	
		Loamy deposits 20-45 in Pre-Illinoian			Passport 652-FL		64	
				Keswick 651-F			65	
Loess and loamy material 12-40 in. thick on paleosols	Light				Blair 5-FS		66	
	Dark			Prairieville 650-FL	Nachusa 649-FL		67	
Loamy and sandy material on paleosols at <60 in.	Dark			Vanpetten 357-FL/S-sk			68	
	Moderately Dark				Binghampton 355-FL/S-sk		69	
Loess 20-50 in. thick on Coastal Plains gravelly and sandy marine deposits	Light	Pre-Illinoian	Brandon ^d				70	
Silty material < 20 in. thick on Coastal Plains gravelly and sandy marine deposits	Light	Pre-Illinoian	Saffell fsl 669 - L sk				71	
Loess 20-40 in. thick on paleosols	Dark			Assumption 259-FS	Keller 470-FS		72	
	Light			Elco 119-FS	Fishhook 6-FS		73	
Loess < 20 in. thick on acid, gravelly and sandy, reddish paleosols	Dark		Pana 256-FL				74	
	Light		Negley 585-FL				75	
Loess 20-40 in. thick on acid, reddish paleosols	Light		Parke 15-FS				76	
Loess 40-60 in. thick on acid, reddish or grayish paleosols	Dark		Douglas 128-FS	Harrison 127-FS			77	
	Light		Pike 583-FS				78	
Loess < 15 in. thick on reddish paleosols	Dark		Winnebago 728-FL				79	
	Light		Westville 22-FL				80	
Loess 15-30 in. thick on reddish paleosols	Dark		Durand 416-FL				81	
	Moderately dark		Argyle 227-FL				82	
	Light		Pecatonica 21-FL				83	
Loess 30-50 in. thick on reddish paleosols	Dark		Ogle 412,574-FS				84	
	Moderately dark		Myrtle 414-FS				85	
	Light		Flagg 419-FS				86	
III. LOESS (40-80 IN.) ON LOAMY OR CLAYEY WISCONSIN TILL OR LACUSTRINE DEPOSITS								
Loess 40-80 in. thick on calcareous loam or clay loam till	Dark		Parkway 686-FS	Catlin 171-FS	Flanagan 154-F	Elpaso 356-FS	87	
	Moderately dark				Sunbury 234-F		88	
	Light			Birkbeck 233-FS	Sabina 236-F		89	
Loess 40-80 in. thick on calcareous silty clay or clay till or lacustrine deposits	Dark		Wenona 388,539-F		Rutland 375-F	Streator 435-F	91	
	Light				Kernan 554-F		92	
Loess and loamy mat. 30-50 in. thick on silty till (or lacustrine mat.)	Dark			Symerton 294, 157, 719-FL	Andres 293-FL	Reddick 594-FL	93	
Loess and lo. mat. 30-50 in. thick on calc. sic or clay till or lac. mat.	Dark			Mona 448-FL	Mokena 295-FL		94	
IV. LOESS (0-40 IN.) ON LOAMY WISCONSIN TILL								
Loess or silty material 20-40 in. thick on loam till, calcareous at < 40 in.	Dark	Substratum mod. slow		Saybrook 145-FS	Lisbon 59-FS		95	
		Substratum mod. perm		Danabrook 512-FS			96	
	Moderately dark	Substratum mod. slow		Geryune 625-FS	Lismod 635-FS		97	
		Substr mod to mod slo			Herbert 62-FS		98	
Loess or silty material 20-40 in. thick on loam till, calcareous at > 40 in.	Light		Dodge 24-FS	Mayville 193-FS			99	
	Dark	Substratum mod. perm	Sidell 55-FS	Dana 56-FS			100	
		Substratum mod. slow			Raub 481-FS		101	
	Moderately dark				Wingate 348-FS	Toronto 353-FS		102
					Windere 545-FS			103
Light	Substratum mod. perm.	Piscasaw 543-FS			Torox 544-FS		104	
Loess or silty material <40 in. on silty lacustrine deposits or till	Dark	Substratum mod. slow	Russell 322-FS	Xenia 291-FS	Fincastle 496-FS		105	
					Rooks 542-FS		106	
		Substr. mod sl or slow	Wyant 622-fsl 756-FL	Corwin 495-FL	Odell 490-FL		107	

KEY TO ILLINOIS SOILS JUNE 2006				Natural drainage class			
Parent Material ^{a b}	Surface Color ^{a b}	Additional Features	Well ^c	Moderately Well	Somewhat poor	Poor	Line
in.	Light		Boyer 706-CL				214
Silty and loamy material on calcareous sand and gravel at 30-60 in.	Dark		Kishwaukee 623-FL				215
	Light		Wea 398, 399 Mod AWC-FL		Crane 609-FL	Westland 300-FL	216
			Ockley 387-FL				217
XI. SANDY, LOAMY, SILTY, AND CLAYEY, WISCONSIN LACUSTRINE DEPOSITS							
San. mat. 30-50 in. thick on red lo. mat., s and g at 50+ in.	Dark		Coyne 764-CL				218
Loamy material 40-60 in. thick on reddish silty clay or clay	Dark		Joslin 763-FL				219
Loess < 40 in. on cl, sicl, or sic lacustrine, calc. at 20-40 in.	Dark				Bartelso 466-F	Lakaskia 468-F	220
Loess > 40 in. on sicl, sic or clay lacustrine, calc. > 40 in.	Light			Redbud 437-FS	Millstadt 423-FS	Floraville 433-F	221
Silty material 30-40 in. thick on stratified silt loam and silty clay loam, calcareous at < 40 in.	Dark	Calc. > 40 in.			Harco 484-FS		222
	Moderately dark				Marissa 176-FS	Patton 142-FS	223
	Light		Uniontown 482-FS				224
Loamy and silty lacustrine deposits > 80 in. thick	Light		Tuscola 573-FL				225
Loamy material < 20 in. thick on silty clay loam on stratified, loam, silt loam and silty clay loam, calcareous at < 48 in.	Dark				Martinton 189-F	Milford 69-F	227
	Light		Saylesville 370-F		Del Rey 192-F		228
Loamy deposits < 20 in. thick on silty clay or clay, calcareous at < 40 in.	Dark					Montgomery 465-F	229
	Light		Markland 467-F		McGary 173-F	Zipp 524-F	230
Loamy deposits < 20 in. thick on reddish silty clay or clay on loamy sand or sand, calcareous at > 40 in.	Dark					Denrock 262-F	231
	Moderately dark						232
	Light			Medary 569 -F		Niota 261,568-F	233
Loamy deposits < 20 in. thick on grayish silty clay or clay, calcareous at > 40 in.	Moderately dark					Wagner 26-F	234
	Light			Colp 122-F	Hurst 338 sicl 693 -F	Okaw 84, 401-F	235
					Hurst ssub 489		236
Calcareous silty clay or clay	Dark					Aholt 670-VF	237
XII. SANDY WISCONSIN OUTWASH AND EOLIAN DEPOSITS							
Eolian silt and fine sand in dunes	Light		Princeton 631-FL				238
Fine sand or loamy fine sand, calcareous at < 15 in.	Light	No development	Chute 282-Psamment				239
Sand, fine sand, loamy sand, or loamy fine sand >80 in. thick, < 50% fine and very fine sand	Dark	V. Weak B to 60 in.	Sparta 88,588-S			Watseka 49-S	240
	Light		Plainfield 54-Psamment			Morocco 501-Psamment	241
Fine sand, sand, or loamy fine sand >80 in. thick, 50-90% fine sand	Dark 10-15 in.	V. Weak B to 60 in.				Granby 513-S	242
	Dark 15-24 in.				Maumee 89-S	243	
	Dark		Ade 98-CL				244
	Light	V. Weak or no B to 60 in.	Oakville 741-Psamment				245
		V. Weak B 40 to 60 in.	Chelsea 779-Psamment				246
		< 50% fine sand	Coloma 689 ex.dr-Psam. Bloomfield 53-S				247 248
Sandy loam or loamy sand (lower) 20-40 in. thick on sand, loamy sand, fine sand, and loamy fine sand	Dark	Weak B	Dickinson 87-CL		Hoopeston 172-CL	Gilford 201-CL	249
			Dickinson, lo. sub. 742-CL				250
	Moderately dark	Weak B	Onarga 150,190-CL			Ridgeville 151-CL	251
			Billet 332-CL				252
			Lamont 175-CL				253
Light	Mod. B	Alvin 131,144-CL		Roby 184-CL	Ruark 178-FL	254	
Loam and sandy loam 40-50 in. thick on loamy sand and sand	Dark to 24-36 in.		Lomax 265-CL				255
Sandy loam and loamy sand 20-40 in. thick on loamy sand and sand	Dark 24-36 in.		Disco 266-CL				256
Sl. or fsl. (Cretaceous) 20-40 in. thick on sand to sandy clay loam	Light	Pre-Illinoian		El Dara 264-FL			257
XIII. LOESS OR LOAMY DEPOSITS (10-60 IN.) ON LIMESTONE							
Loamy material < 10 in. thick on limestone, no residuum	Dark	No development				Romeo 316-L	258
Loamy material 10-20 in. thick on limestone, no residuum	Dark	Weak B	Channahon 315-L			Joliet 314-L	259
	Light		Ritchey 311-L				260
Loess or loamy residuum < 20 in. thick on limestone	Dark	Very weak B-MAST >55	Sogn 504 ex.dr.-L				261
			Elizabeth 403-L sk				262
Loess < 20 in. thick on < 10 in. residuum on limestone by 20 in.	Dark		Edmund 769-Clayey				263
			Dunbarton 505-Clayey				264
			Dunbarton, cherty var 511				265

KEY TO ILLINOIS SOILS JUNE 2006				Natural drainage class				
Parent Material ^{a b}	Surface Color ^{a b}	Additional Features	Well ^c	Moderately Well	Somewhat poor	Poor	Line	
			Loess 10-25 in. thick on 25-40 in loamy drift on < 10 in. residuum on limestone at 40-60 in.	Dark Moderately dark Light		Hitt 506-FL Oneco 752-FL Woodbine 410-FL		
Loess 15-30 in. thick on 10-20 in. residuum on limestone at 20-40 in.	Dark Light		Dodgeville 40-FS/Clayey NewGlarus ^d				269 270	
Loess 20-36 in. on cherty residuum or gravelly Coastal Plains deposits to > 60 in. over limestone	Light	Pre-Illinoian - fragic		Lax 628-FS			271	
Loess 20-40 in. thick on < 10 in. till on < 6 in. residuum, limestone at < 40 in.	Dark		Ripon 324-FS				272	
Loess 20-40 in. thick on <6 in. residuum, limestone at 20-40 in.	Moderately dark Light		Frankville 540-FS Dubuque 29-FS				273 274	
Loess < 20 in. on loamy colluvial sediments from limestone on bedrock > 40 in.	Dark		Lacrescent 785-Loamy sk				275	
Loess < 20 in. in clayey residuum and limestone colluvium on bedrock >40 in.	Light		Lamoille 755-F				276	
Loess 40-50 in. thick on < 10 in. residuum on limestone at 40-60 in.	Dark Moderately dark Light		Ashdale 411-FS Nassett 731-FS Palsgrove 429-FS				277 278 279	
Lo. ow. 15-35 in. thick on very cobbly loamy mat., lms. at 60+ in.	Dark		Kankakee 494-L sk		Bonfield 493-L sk		280	
Loamy mat. 20-40 in. thick on < 10 in. residuum on lms. at 20-40 in.	Moderately dark		Backbone 768-CL				281	
Loamy mat. 20-40 in. thick on < 10 in. residuum, limestone at 20-40 in.	Dark Light		Rockton 503-FL Milton 739-F Whalan 509-FL		Millsdale 317-F		282 283 284	
Loamy alluvium 20-40 in. thick on limestone, no residuum	Dark		Sonsac 658-Clayey sk			Faxon 516-FL	285 286	
Lo. till or ow. 35-45 in. thick on < 10 in. resi., lms. at 40-55 in.	Dark		Atkinson 661-FL				287	
Loamy glacial drift 40-60 in. thick on limestone, no residuum	Dark		Plattville 240-FL			Tallmadge 610, 508-FL	288	
Loess < 10 in. thick on very cherty residuum, limestone at 60+ in.	Light	MAST >55 deg.	Clarksville 471-L sk				289	
Loess < 10 in. thick on cherty, clayey acid resi., lms. at 60+ in.	Light	MAST >55 deg.	Baxter 599-F				290	
Loess < 10 in. thick on very cherty, clayey resi., lms. at 60+ in.	Light		Goss 606-Clayey sk				291	
Loess 20-40 in. thick on cherty resi. on lms. at > 80 in.	Light		Baylis 472-FS				292	
Loess 20-40 in. thick on residuum on limestone at > 80 in.	Light	MAST >55 deg.	Crider 629-FS	Bedford 598-FS			293	
XIV. LOESS OR LOAMY DEPOSITS (10-60 IN.) ON SANDSTONE, SILTSTONE, OR SHALE								
Sandy residuum on acid sandstone at 20-40 in.	Light	No development	Boone 397 ex. dr.-Psamment				294	
Loamy, channery shale and sandstone resi.; acid sh., ss., and sis. at 20-40 in.	Light		Berks 784-L sk Judyville 713-L sk				295 296	
Loess < 20 in. thick on channery resi. on acid ss. and sis. at 40-80 in.	Light		Neotoma ^d				297	
Lo. mat. 20-40 in. thick on weakly cemented, acid ss. at 20-40 in.	Light		Eleva 761-CL				298	
Loamy mat. on sand and gravel on shale at 40 to 60 in.	Dark				Coot 595-FL/ S sk		299	
Loess < 10 in. on loamy residuum on acid sandstone at 20-40 in.	Dark		Hesch 390-CL Hesch, thin to ss. 389			Hesch, gray subs. 537	300 301	
Loess < 10 in. thick on loamy resi., acid ss, sh, and sis at 20-40 in.	Light		Muskingum 425-FL				302	
Loess < 10 in. thick on loamy drift and resi, acid ss, sh, and sis at 20-40 in.	Light		High Gap 556-FL		Shadeland 555-FL		303	
Loamy Illinoian till, on residuum from sandstone, siltstone, and shale	Light		Kell 421-FL				304	
Loess 12-24 in. thick on loamy resi, acid ss, sis, and sh at 20-40 in	Light		Frondorf 786-FL				305	
Loess 20-40 in. thick on sandy residuum on acid sandstone at < 40 in.	Light		Gale 413-FS/ S sk				306	
Loess 20-50 in. thick on acid resi. and sandstone, shale, and siltstone at 40-80 in.	Dark Light		Marbletown 596-FL Wellston 339-FS				307 308	
Loess 20-40 in. on >10 in resi on sh, sis, and ss, lms at >48 in	Light	Fragic	Zanesville 340-FS				309	
			Westmore ^d				310	

KEY TO ILLINOIS SOILS JUNE 2006				Natural drainage class			
Parent Material ^{a b}	Surface Color ^{a b}	Additional Features	Well ^c	Moderately Well	Somewhat poor	Poor	Line
Loess 50-80 in. on sandstone, siltstone, and shale	Light	Fragic		Grantsburg 301-FS	Robbs 335-FS		311
Loess 40-60 in. on loamy outwash on shale at >50 in.	Dark 10-20 in.				Breeds 558-FS		312
Loess < 15 in. thick on shale residuum on acid shale at 20-40 in.	Light			Gosport 551-F			313
Loess 15-30 in. thick on shale residuum on calcareous shale at 20-40 in.	Dark			Schapville 418-F	Shullsburg 745-F	Calamine 746-F	314
	Light		Eden 96-F	Derinda 417-F			315
				Vanmeter 615-F			316
Loess 30-50 in. thick on shale residuum on calcareous shale at 40-60 in.	Dark			Keltner 546-FS	Loran 572-FS		317
	Moderately dark			Massbach 753-FS		Ridott 743-FS	318
	Light				AppleRiver 732 -FS		319
				Eleroy 547-FS	Osceola 709-F		320
Loess < 10 in. thick on shale residuum on shale at 40-60 in., hard limestone at > 60 in.	Light		Beasley 691-F				321
Loess 15-30 in. thick on shale residuum on acid shale at 20-40 in.	Light			Marseilles 549,548-FS	Marseilles, gray sub 393		322
Clayey colluvium on shale > 60 in.	Light			Brookside 690-F			323
XV. SANDY TO CLAYEY ALLUVIUM							
Sand, fine sand, loamy sand, or lfs to > 40 in.	Dark to 24 - 50 in.	Calcareous 20 to 60 in.		Zumbro 349-S			324
	Light	Calcareous	Sarpy 92 ex.dr.-Psam. Rocher 38 ex.dr.-CL		Alganssee 366-Psam.		325 326
Channery, silty or loamy mat., with limestone or chert at > 40 in.	Light		Elsah 475 ex.dr.-L sk Nolin 601-FS				327 328
Calcareous-neutral loamy material > 48 in. thick	Light		Stonelick 665-CL		Raveenwash 368-CL		329
Loamy deposits 20-40 in. thick on strat. sl, fsl, ls, or s	Dark		Landes 304-CL			Mudhen 608-FL/ S sk	330
	Light					Holly 328-FL	331
Loamy deposits 15-30 in. on fsl, fs, or lfs (or grav. analogs)	Dark		Ware 456-CL Lanier 378-S sk				332 333
Loamy deposits 15-30 in. thick on strat. l, sil, sl, or fs	Dark 10 - 24 in.			Medway 682-FL			334
	Moderately dark	Calcareous		Minneiska 179-CL			335
	Light		Genesee 431-FL		Shoals 424-FL		336
Calcareous sil, l, or cl 20-40 in. thick on strat. sl, l, sil	Dark to 24-40 in.			DuPage 321-FL		Millington 82-FL	337
Loam, sil, cl, or fsl > 40 in. thick	Dark to 24-40 in.		Ross 73-FL			Comfrey 776-FL	338
	Dark 10 to 24 in.		Rosburg 473-FL		Brouillett 450-FL		339
Loam, sil, cl, or fsl 30-50 in. thick on stratified deposits	Dark to 10-24 in.				Shaffton 183-FL	Ambraw 302-FL	340
Loamy alluvium > 40 in. thick on ls or sl	Dark to 24-36 in.			Terril 587-FL			341
	Dark 10 to 24 in.				Ceresco 395-CL	Cohoctah 166-CL	342
							Normandy 492-FL
						Craigmile 381-CL/ S sk	344
Loamy material 15-40 in. thick on organic deposits	Mod. Dark					Walkill 292-FL	345
Silty mat. 12-24 in. thick on channery mat. on ss. at > 40 in.	Light			Burnside 427-L sk			346
Silty material > 40 in.	Light		Chaseburg 174-CS		Newark 602-FS		347
Calcareous silt loam > 40 in. thick on silt loam with sandy lenses	Moderately dark			Haynie 394-CS	Paxico 406-CS		348
	Light		Jules 28-CS		Blake 391-FS	Slacwater 360-FS	349
Silty deposits > 40 in. thick on sil. with sandy lenses	Light		Haymond 331-CS	Wilbur 336-CS	Wakeland 333-CS	Birds 334-FS	350
				Blyton 634-CS			351
Silt loam on loam, silt loam, or sandy loam deposits > 40 in.	Light		Wirt 226-CL		Holton 225-CL		352
					Dockery 115-FS		353
Sil. > 40 in. thick on sil. with sandy lenses, str.-very str. acid	Light			Sharon 72-CS	Belknap 382-CS	Bonnie 108-FS	354
		Fragic character.			Banlic 787-CS		355
Silt loam 20-40 in. thick on dark sil or sicl.	Light	AC profile		Arenzville 78-CS	Orion 415-CS		356
		Bt development			Aetna 720-FS		357
Silt loam 20-40 in. thick on sil or sicl with B horizon	Light			Juneau 782-CS		Washtenaw 296-FL	358
Silt loam 20-40 in. thick on dark sic, c, or sicl	Light				Dupo 180-CS/ Clayey		359
Calcareous stratified light and dark silt loam 20-45 in. thick on dark silt loam	Light to dark			Dorchester 239 -FS		Moundprairie 480-FS	360
				Dorchester, cobbly 578			361
Stratified alluvium having limestone chert fragments	Light		Beavercreek 579-L sk				362
Silt loam > 40 in. thick on stratified loam, silt loam and sandy loam	Dark to 10-24 in.		Huntington 600-FS			Blackoar 603-FS	363

KEY TO ILLINOIS SOILS		JUNE 2006		Natural drainage class			Line
Parent Material ^{a b}	Surface Color ^{a b}	Additional Features	Well ^c	Moderately Well	Somewhat poor	Poor	
Aquents		Aquents, loamy 408					412
		Aquents, clayey 409					413
		Fluvaquents, clayey 831					414
		Fluvaquents, loamy 646					415
							416
Arents		Arents					417
		Arents, loamy 799					418
							419
Fluvents		Udifuvents, loamy 407					420
							421
		Orthents, 803					422
Orthents		Orthents, stony 535					423
		Orthents, silty 801					424
		Orthents, silty, acid substratum 826					425
		Orthents, silty, bedrock substratum - pits 813					426
		Orthents, loamy 802					427
		Orthents, loamy skeletal, acid 809					428
		Orthents, acid 804					429
		Orthents, clayey 805					430
		Orthents, clayey-skeletal 806					431
		Orthents, sandy-skeletal 808					432
							433
		Psamments 800					434
		Udipsamments 839					435
							436
		Udorthents, silty 815					437
							438
Udalfs		Typic Hapludalfs 812					439
							440
Other:		Loamy burned muck 358					441
		Mixed alluvial land 455					442
		Sandy alluvial land 604					443
		Marsh 718					444
							445

MISCELLANEOUS LAND AREAS							
NO DRAINAGE CLASS ASSIGNED TO THESE UNITS							
		Sandstone rock land 9					446
		Blown-out land 63					447
		Limestone rock land 94					448
		Shale rock land 95					449
		Sandstone and Limestone Rock Land 99					450
		Riverwash 123					451
		Beach sand 367					452
		Urban land 533					453
		Dumps, mine 536					454
		Terrace escarp. 577					455
		Oil-brine damaged land 810					456
		Landfill 830					457
		Earthen Dam 835					458
		Pits-sand 862					459
		Pits-clay 863					460
		Pits-quarries 864					461
		Pits-gravel 865					462
		Dumps, slurry 866					463
		Oil-waste land 867					464
		Pits, organic 868					465

