



Correction to: Soil Classification and Distribution

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Correction to:

Chapter 3 in: R. Hatano et al. (eds.), *The Soils of Japan*, World Soils Book Series, https://doi.org/10.1007/978-981-15-8229-5_3

In the original version of the book, text that was inadvertently published in Table 3.1 (Chapter 3) has been deleted. The correction chapter and the book have been updated.

Table 3.1 Correlation of soil classification system of Japan (2017) with WRB (2015) and Soil Taxonomy (2014)

Soil classification system of Japan (2017)		World reference base for soil resources (2015)	USDA Soil Taxonomy (2014)
Great group	Group		
		Subgroup	
A. 【Human-made soils】		Technosols, Regosols	(Entisols)
	Artifactual soils	Technosols	(Udorthents)
		Organic	
		Gabric Technosols	
		Ekranic	
		Linic Technosols Ekranic Technosols	
		Mineral	
		Urbic Technosols Spolic Technosols	
	Reformed soils	Regosols (Transportic)	(Udorthents)
		Upland	
		Regosols (Transportic)	
		Lowland	
		Regosols (Transportic)	
B. 【Organic soils】		Histosols	Histosols
	Peat soils	Histosols	Histosols
		Sapric	
		Saplic Histosols	Haplosaprists
		High-moor	
		Fibric Histosols Hemic Histosols	Shagnofibrists Haplofibrists Haplohemists
		Transitional-moor	
		Fibric Histosols Hemic Histosols	Haplofibrists Haplohemists

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The updated version of this chapter can be found at https://doi.org/10.1007/978-981-15-8229-5_3

Table 3.1 (continued)

Soil classification system of Japan (2017)		World reference base for soil resources (2015)	UUSDA Soil Taxonomy (2014)	
Great group				
Group	Subgroup			
		Low-moor	Fibric Histosols Hemic Histosols	Haplofibrists Haplohemists
C. 【Andosols】			Andosols, Podzols	Andisols, Spodosols
	Podzolic Andosols		Andic Podzols	Aquods, Humods, Orthods, Aquands, Vitrandis, Udands
		Epi-peaty	Andic Histic Podzols	Histic Endoaquods, Histic Endoaquands
		Epi-pseudogleyic	Andic Stagnic Podzols	Lithic Epiaquods, Andic Epiaquods, Typic Epiaquods, Vitraquands, Melanaquands, Epiaquands
		Aquic	Andic Gleyic Podzols	Lithic Epiaquods, Andic Epiaquods, Typic Epiaquods, Aquic Haploorthods, Vitraquands, Melanaquands, Epiaquands, Aquic subgroups in Andiosols
		Haplic	Andic Podzols	Andic Haplohumods, Andic Haploorthods, Andisols except Aquands and Aquic subgroups
	Regosolic Andosols		Vitric Andosols	Vitrandis, Aquands
		Aquic	Gleyic Vitric Andosols	Vitraquands
		Humic	Melanic Vitric Andosols Umbric Vitric Andosols	Humic Udivitrandis
		Thapto-humic	Vitric Andosols	Thaptic Udivitrandis
		Haplic	Vitric Andosols	Typic Udivitrandis
	Gleyed Andosols		Gleysols (Andic)	Aquands
		Peaty	Histic Gleysols (Andic)	Endoaquands
		Cumulic	Dystric Gleysols (Andic)	Melanaquands Endoaquands
		Haplic	Dystric Gleysols (Andic)	Typic Endoaquands
	Wet Andosols		Gleyic Silandic Andosols Gleyic Aluandic Andosols	Aquands
		Peaty	Histic Gleyic Silandic Andosols Histic Gleyic Aluandic Andosols Thapto-histic Gleyic Silandic Andosols Thapto-histic Gleyic Aluandic Andosols	Histic Endoaquands
		Thapto-upland	Gleyic Silandic Andosols Gleyic Aluandic Andosols	Typic Endoaquands
		Endofluvic	Gleyic Silandic Andosols Gleyic Aluandic Andosols	Typic Endoaquands
		Cumulic	Histic Gleyic Silandic Andosols Histic Gleyic Histic Aluandic Andosols Gleyic Silandic Andosols (Melanic) Gleyic Aluandic Andosols (Melanic)	Melanaquands Endoaquands

(continued)

Table 3.1 (continued)

Soil classification system of Japan (2017)		World reference base for soil resources (2015)	UUSDA Soil Taxonomy (2014)	
Great group				
Group	Subgroup			
		Haplic	Gleyic Silandic Andosols Gleyic Aluandic Andosols	Typic Endoaquands
	Non-allophanic Andosols		Aluandic Andosols	Alic Hapludands Melanudands
		Anthraquic	Aluandic Andosols	Anthraquic Melanudands Anthraquic Hapludands
		Cumulic	Aluandic Andosols (Melanic) Aluandic Andosols	Pachic Melanudands Alic Hapludands
		Thapto-humic	Aluandic Andosols	Alic Hapludands
		Humic	Aluandic Andosols	Alic Hapludands
		Brown-humic	Aluandic Andosols (Fulvic)	Pachic Fulvudands Thaptic Fulvudands Typic Fulvudands Hydric Fulvudands
		Aquic	Gleyic Aluandic Andosols	Aquic Hapludands Oxyaquic Hapludands
		Haplic	Aluandic Andosols	Alic Hapludands
	Allophanic Andosols		Silandic Andosols	Udands
		Anthraquic	Silandic Andosols	Anthraquic Melanudands Anthraquic Hapludands
		Thapto-upland	Silandic Andosols	Typic Hapludands Ultic Hapludands
		Endofluvic	Silandic Andosols	Typic Hapludands
		Cumulic	Siluandic Andosols (Melanic) Siluandic Andosols	Pachic Melanudands Typic Hapludands
		Cumulic	Silandic Andosols	Thaptic Hapludands
		Humic	Silandic Andosols	Typic Hapludands
		Brown-humic	Silandic Andosols (Fulvic)	Pachic Fulvudands Thaptic Fulvudands Typic Fulvudands Hydric Fulvudands Typic Hapludands Hydric Hapludands
		Aquic	Gleyic Silandic Andosols	Aquic Hapludands Oxyaquic Hapludands
		Haplic	Silandic Andosols	Typic Hapludands Hydric Hapludands
D. 【Podzols】			Podzols	Spodosols
	Podzols		Podzols	Spodosols
		Epi-peaty	Histic Podzols	Histic Epiquods Histic Endoaquods
		Aquic	Gleyic Podzols	Endoaquods Aquic Haplorthods
		Epi-pseudogleyic	Stagnic Podzols	Epiquods
		Pseudogleyic	Stagnic Podzols	Aquic Haplorthods

(continued)

Table 3.1 (continued)

Soil classification system of Japan (2017)		World reference base for soil resources (2015)	UUSDA Soil Taxonomy (2014)
Great group			
Group	Subgroup		
		Haplic	Haplic Podzols Haplothods Haplocryods
E. 【Fluvic soils】			Fluvisols, Anthrosols Inceptisols, Entisols
	Fluvic Paddy soils		Hydragric Anthrosols (Fluvic) Anthraquic Eutrudepts Aeric Epiaquepts
		Albic	Hydragric Anthrosols (Fluvic) Anthraquic Eutrudepts Aeric Epiaquepts
		Epi-gleyed	Hydragric Anthrosols (Fluvic) Typic Epiaquepts
		Endoaeric	Hydragric Anthrosols (Fluvic) Anthraquic Eutrudepts Aeric Epiaquepts
		Aquic	Hydragric Anthrosols (Fluvic) Typic Epiaquepts
		Haplic	Hydragric Anthrosols (Fluvic) Anthraquic Eutrudepts Aeric Epiaquepts
	Gley Fluvic soils		Fluvic Gleysols Aquepts, Aquepts, Aquepts
		Thionic	Fluvic Thionic Gleysols Sulfic Endoaquepts Sulfic Hydraquepts Sulfic Fluvaquepts
		Peaty	Fluvic Histic Gleysols Thapto-Histic Hydraquepts Thapto-Histic Fluvaquepts
		Humic	Fluvic Umbric Gleysols Typic Hydraquepts Mollic Fluvaquepts
		Epi-gray	Fluvic Gleysols Typic Fluvaquepts
		Strong	Fluvic Reductigleyic Gleysols Typic Hydraquepts
		Mottled	Fluvic Oxygleyic Gleysols Typic Hydraquepts Typic Fluvaquepts
	Gray Fluvic soils		Gleyic Fluvisols Aquepts, Aquepts
		Thionic	Gleyic Fluvisols Sulfaquepts Sulfic Endoaquepts Sulfic Fluvaquepts
		Peaty	Gleyic Histic Fluvisols Fluvaquentic Endoaquepts Thapto-Histic Fluvaquepts
		Humic	Gleyic Umbrisols Humaquepts Mollic Fluvaquepts
		Epi-gleyed	Gleyic Fluvisols Fluvaquentic Endoaquepts Typic Endoaquepts Typic Fluvaquepts
		Gleyic	Gleyic Fluvisols Typic Endoaquepts Typic Fluvaquepts
		Thapto-andic	Gleyic Fluvisols Aquandic Endoaquepts Aquandic Fluvaquepts
		Haplic	Gleyic Fluvisols Fluvaquentic Endoaquepts Typic Fluvaquepts Typic Psammaquepts
	Brown Fluvic soils		Fluvisols Udifluvents, Psamments
		Aquic	Fluvisols (Oxyaquic) Oxyaquic Udifluvents Aquic Udipsamments

(continued)

Table 3.1 (continued)

Soil classification system of Japan (2017)		World reference base for soil resources (2015)	UUSDA Soil Taxonomy (2014)
Great group			
Group	Subgroup		
		Humic	Gleyic Umbrisols Mollic Udifluvents
		Protoanthraquic	Fluvisols (Oxyaquic) Oxyaquic Udifluvents Aquic Udipsamments
		Haplic	Fluvisols Typic Udifluvents Typic Udipsamments
	Regosolic Fluvic soils		Fluvisols Udifluvents, Psamments
		Aquic	Fluvisols (Oxaquic) Oxyaquic Udifluvents Oxyaquic Udipsamments
		Haplic	Fluvisols Typic Udifluvents Typic Udipsamments
F. 【Red-Yellow soils】			Alisols, Acrisols, Cambisols Udults, Udepts
	Argic Red-Yellow soils		Alisols, Acrisols, Lixisols Udults
		Anthraquic	Alic Stagnosols Acric Stagnosols Anthraquic Paleudults Aquic Hapludults
		Albic	Stagnic Albic Alisols Albic Acrisols Typic Paleudults Aquic Paleudults Typic Hapludults Aquic Hapludults
		Pseudogleyic	Stagnic Alisols Stagnic Acrisols Aquic Paleudults Aquic Hapludults
		Aquic	Gleyic Alisols Gleyic Acrisols Aquic Paleudults Aquic Hapludults
		Humic	Alic Umbrisols Acric Umbrisols Typic Haplohumults Humic Hapludults
		Reddish	Chromic Alisols Chromic Acrisols Typic Paleudults Typic Hapludults
		Haplic	Haplic Alisols Haplic Acrisols Typic Paleudults Typic Hapludults
	Cambic Red-Yellow soils		Cambisols Udepts
		Anthraquic	Stagnosols Anthraquic Eutrudepts
		Albic	Gleyic Cambisols Aquic Dystrudepts Typic Dystrudepts
		Pseudogleyic	Stagnic Cambisols Aquic Dystrudepts Oxyaquic Dystrudepts
		Aquic	Gleyic Cambisols Aquic Dystrudepts Oxyaquic Dystrudepts
		Humic	Cambic Umbrisols Humic Dystrudepts
		Reddish	Chromic Cambisols Typic Dystrudepts
		Andic	Dystric Cambisols Andic Dystrudepts
		Haplic	Dystric Cambisols Oxyaquic Dystrudepts Typic Dystrudepts
G. 【Stagnic soils】			Gleysols, Stagnosols, Anthrosols Aquepts, Aquults, Aquepts
	Stagnogley soils		Gleysols, Anthrosols Epiequepts, Endoaquepts, Endoaquepts

(continued)

Table 3.1 (continued)

Soil classification system of Japan (2017)		World reference base for soil resources (2015)	UUSDA Soil Taxonomy (2014)	
Great group				
Group	Subgroup			
		Anthraquic	Anthraquic Gleysols Hydroargic Anthrosols	Typic Epiaquepts
		Epi-peaty	Histic Gleysols	Typic Epiaquepts Typic Endoaquepts
		Humic	Umbric Gleysols	Typic Humaquepts Humaquptic Endoaquepts
		Haplic	Haplic Gleysols	Typic Epiaquepts Typic Endoaquepts
	Pseudogley soils		Stagnosols, Gleysols	Aquepts, Aquults, Aquepts
		Anthraquic	Anthraquic Stagnosols	Typic Epiaquepts Typic Epiaquults
		Groundwater-aquic	Endogleyic Stagnosols Anthraquic Gleysols Haplic Gleysols	Typic Endoaquepts Typic Endoaquepts
		Humic	Umbric Stagnosols	Typic Humaquepts Typic Umbraquults
		Aeric	Haplic Stagnosols	Aeric Epiaquepts Aeric Epiaquults
		Haplic	Haplic Stagnosols	Typic Epiaquepts Typic Epiaquults
H. 【Eutrosols】			Luvisols, Cambisols	Udalfs, Udepts
	Magnesian Eutrosols		Luvisols, Cambisols	Udalfs, Udepts
		Argic	Leptic Luvisols (Chromic) Leptic Luvisols (Rhodic) Haplic Luvisols (Chromic) Haplic Luvisols (Rhodic)	Typic Paleudalfs Typic Rhodualfs Typic Hapludalfs
		Haplic	Leptic Cambisols (Eutric) Haplic Cambisols (Eutric)	Lithic Eutrudepts Typic Eutrudepts
	Calcareous Eutrosols		Luvisols, Cambisols	Udalfs, Udepts
		Argic	Leptic Luvisols Haplic Luvisols	Typic Paleudalfs Typic Rhodualfs Typic Hapludalfs
		Haplic	Leptic Cambisols (Eutric) Haplic Cambisols (Eutric)	Lithic Eutrudepts Typic Eutrudepts
I. 【Brown Forest soils】			Cambisols, Stagnosols	Udepts
	Brown Forest soils		Cambisols, Stagnosols	Udepts
		Anthraquic	Anthraquic Stagnosols	Anthraquic Eutrudepts Aquic Dystrudepts
		Andic	Dystric Cambisols	Andic Dystrudepts Andic Eutrudepts Lithic Dystrudepts
		Podzolic	Dystric Cambisols	Typic Dystrudepts Lithic Dystrudepts
		Humic	Cambic Umbrisols	Humic Dystrudepts

(continued)

Table 3.1 (continued)

Soil classification system of Japan (2017)		World reference base for soil resources (2015)	UUSDA Soil Taxonomy (2014)
Great group			
Group	Subgroup		
		Dystric Cambisols (Humic)	
	Thapto-red-yellow	Dystric Cambisols Haplic Alisols	Typic Dystrudepts Typic Paleudults Inceptic Hapludults Typic Hapludults
	Aquic	Gleyic Cambisols (Oxaquic)	Aquic Dystrudepts Oxyaquic Dystrudepts Lithic Dystrudepts
	Epi-gleyed	Gleyic Cambisols	Aquic Dystrudepts Oxyaquic Dystrudepts Lithic Dystrudepts
	Eutric	Eutric Cambisols	Lithic Eutrudepts Typic Eutrudepts
	Haplic	Dystric Cambisols	Typic Dystrudepts Lithic Dystrudepts
J. 【Regosols】		Regosols, Arenosols, Leptosols, Phaeozems	Entisols, Mollisols
	Volcanogeneous Regosols	Tephric Regosols	Orthents
	Aquic	Gleyic Tephric Regosols	Aquic Udorthents
	Haplic	Tephric Regosols	Vitrandic Udorthents
	Sandy Regosols	Arenosols	Udipsamments
	Calcaric	Calcaric Arenosols	Typic Udipsamments
	Aquic	Gleyic Arenosols	Aquic Udipsamments Oxyaquic Udipsamments
	Haplic	Arenosols	Typic Udipsamments
	Lithosols	Leptosols	Udorthents, Rendolls
	Calcaric	Calcaric Rendzic Leptosols Calcaric Leptosols	Lithic Haprendolls Lithic Udorthents
	Aquic	Leptosols (Gleyic)	Lithic Udorthents
	Haplic	Leptosols	Lithic Udorthents
	Terrestrial Regosols	Regosols	Udorthents
	Marlitic	Calcaric Regosols Calcaric Leptosols	Typic Udorthents Lithic Udorthents
	Calcaric	Calcaric Regosols Calcaric Phaeozems	Typic Haprendolls Typic Udorthents
	Para-lithic	Dystric Regosols Dystric Leptosols	Typic Udorthents Lithic Udorthents
	Granitic	Skeletal Regosols Skeletal Leptosols	Typic Udorthents Lithic Udorthents
	Haplic	Dystric Regosols	Typic Udorthents

Please note that it shows only representative classification names corresponding to each classification and does not cover all cases