


















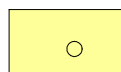

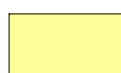
























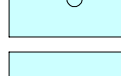

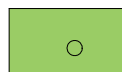























Soil Associations

Near-natural Soil Associations

	1	luvisol - arenic cambisol ground moraine flat upland areas of boulder marl
	8	podzoluvisol - arenic dystic cambisol - dystic cambisol dunes on ground moraine flat upland areas of boulder marl
	2	dystic cambisol - luvisol - colluvial cambisol moraine (pH) of detrital sand, usually over marl
	2a	dystic cambisol - luvisol - colluvium/luvisol sandy silt fill on flat upland areas and valley sand on marl
	2b	dystic cambisol - luvisol - eutric histosol sandy silt fill on flat upland areas and valley sand on marl with peat
	11	stagnic gleysol - stagno-gleyic luvisol - stagno-gleyed luvisol clayey silt fill
	3	dystic cambisol - colluvial cambisol moraine (pH) of detrital sand, partially on marl
	6	dystic cambisol - colluvial cambisol locally used sewage farm
	6b	dystic cambisol - colluvial cambisol sewage area fill, sandy on marl
	4	dystic cambisol - regosolic cambisol - colluvial cambisol end or push moraine of detrital sand
	5	dystic cambisol - regosol - colluvial cambisol - gleysol end or push moraine and flat upland area slope of sand
	7	dystic cambisol - chromic cambisol - colluvial cambisol fluvioglacial meadow channel of detrital sand
	17	dystic cambisol - dystic gleysol - calcaro-dystic histosol end or push moraine of detrital sand with interbedded marl
	72	podzol - regosolic cambisol - colluvial cambisol end or push moraine of detrital sand
	12	luvisol - arenic dystic cambisol (sometimes influenced by groundwater) ground moraine flat upland area of boulder marl
	12a	gleyic luvisol - gleyo-arenic dystic cambisol locally used sewage farm
	13	residual eutro-gleyic cambisol sandstone with gley channels moraine (pH) of detrital sand, usually on marl
	13a	dystic cambisol - eutro-gleyic cambisol (currently used sewage farm) moraine (pH) of detrital sand, usually on marl
	CSA 8,10	podzol - dystic cambisol - colluvial dystic cambisol dunes of fine sand
	9	spodo-dystic cambisol - podzol - colluvial dystic cambisol dunes of fine sand
	10	spodo-dystic cambisol - dystic cambisol - colluvial dystic cambisol dunes of fine sand
	18	spodo-dystic cambisol - stagno-gleyed dystic cambisol drift sand on valley sand areas
	19	dystic cambisol - dystic gleysol - oligotrophic eutric histosol deflation basin in valley sand with dunes
	20	dystic cambisol - stagno-gleyed dystic cambisol - eutro-gleyic dystic cambisol valley sand with dunes
	14	eutro-gleyic cambisol - calcaric eutro-gleyic cambisol - calcaro-gleyic cambisol valley sand of medium and fine sands
	15	dystic cambisol - stagno-gleyed cambisol - eutro-gleyic cambisol valley sand of medium and fine sands
	15d	stagno-gleyed cambisol - gleysol - eutric histosol valley sand of medium and fine sands
	16	eutro-gleyic cambisol - gleysol - histo-humic gleysol basin in valley sand
	21	dystic gleysol - calcaric dystic gleysol - calcaric gleysol flat valley low channel of medium and fine sands
	22	eutro-gleyic cambisol - stagnic gleysol - histo-humic gleysol meadow channels in valley sand with dunes
	22a	eutro-gleyic cambisol - gleysol - eutric histosol meadow channels in valley sand without dunes
	23	stagno-gleyed dystic cambisol - calcaric gleysol - eutrophic histosol basined in valley sand with valley bog turf
	25	dystic gleysol - histo-humic gleysol - mesotrophic histosol dried ice sink in valley sand
	26	dried fluvio-eutric histosol - fluvic calcaric-eutro histosol (lower) lowered with meadow lime and valley bog turf in valley sand
	27	dried fluvio-eutric histosol - dried histo-humic gleysol - gleysol fluvioglacial meadow channel of sand (on boulder marl flat upland areas) with lower bog turf
	28	eutrophic fluvio-eutric histosol - fluvic histo-humic gleysol - eutro-gleyic dystic cambisol fluvioglacial channel of sand with lower bog turf
	29	dystic cambisol - colluvium/residual gleysol - dried eutric histosol fluvioglacial meadow channel of detrital sand
	30	dystic cambisol - stagnic gleysol / eutric histosol - dried eutric histosol fluvioglacial meadow channel of detrital sand
	CSA 24,32,35,36	fluvic gleysol - fluvio-eutric histosol (collective soil association of river ice with turf) river ice of layered sands
	24	fluvic gleysol - fluvio-stagno gleysol - eutrophic fluvio-eutric histosol river towards in valley sand with valley bog turf
	32	colluvial cambisol - eutrophic fluvio-eutric histosol - calcaric fluvisol slope-influenced river ice of layered sands
	35	dystic cambisol - dystic fluvisol - mesotrophic fluvio-eutric histosol river ice of layered sands
	36	fluvisol - fluvio-stagnic gleysol - mesotrophic fluvio-eutric histosol river ice of layered sands
	31	calcaric regosol - calcaro-gleyic regosol - calcaric gleysol dried fluvial (ice) with lime mud over sand
	CSA 33,34	calcaric fluvisol - fluvic gleysol (collective soil association of river ice without turf) river ice of layered sands
	33	dystic cambisol - fluvic gleysol - calcaric fluvisol slope-influenced river ice of layered sands
	34	fluvisol - calcaric fluvio-mollic gleysol - raw fluvisol river ice of layered sands
	37	colluvial cambisol - raw fluvisol - submerged raw fluvisol river ice of layered sands

Anthric Soil Associations

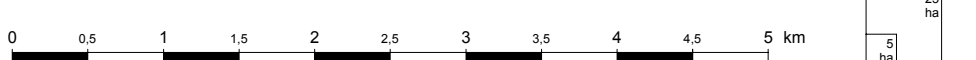
	60	regosol + dystic-eutric regosol + gleyic regosol flat-graded sewage farm on gleyed sand
	62	regosol + luvic regosol flat-graded sewage farm on boulder marl
	63	regosol + dystic-eutric regosol + gleyic regosol flat-graded sewage farm on valley sand/lowland plain sand
	38	necrosol + cambic hortisol + luvisol cemetery on ground moraine flat upland area of boulder marl
	39	necrosol + cambic hortisol - dystic cambisol cemetery on ground moraine flat upland area of detrital sands
	40	necrosol + cambic hortisol + spodo-dystic cambisol cemetery on drift sand area of fine sands
	41	necrosol + gleyo-cambic hortisol + gleysol cemetery on valley sand of medium and fine sands
	42	loose lithosols + cambisol/dystic cambisol + gleysol military practice area on valley sand area with dunes
	43	loose lithosols + cambisol/dystic cambisol + dystic cambisol military practice area on (glacial) coarse sand moraine area of detrital sand
	47	loose lithosols surface mining on batters or (glacial) outwash plain moraine sands
	48	loose lithosols + loose lithic gleysol + submerged raw fluvisol surface mining on valley sand
	49	lithosol + calcic regosol + calcaric regosol railway tracks on aggregated and eroded surfaces
	49a	(loose) lithosols + calcaric regosol + hortisol alignment garden on aggregated and eroded areas
	50	regosol + calcaric regosol + hortisol settlements, partially on aggregated surfaces
	50a	calcaric regosol + loose lithosols + regosol settlements, partially on aggregated surfaces
	50aR	calcaric regosol + loose lithosols + regosol settlements on areas once used for sewage farms, partially on aggregated surfaces
	51	loose lithosols + humic regosol + calcaric regosol dense inner-city construction, not destroyed in war, on aggregated areas
	52	loose lithosols + regosol + calcaric regosol inner city, on aggregated surfaces
	53	calcaric regosol + calcic regosol + loose lithosols war debris hills, construction debris site and landfills
	55	reductosol + loose lithosols + regosol waste disposal site, primarily domestic waste
	57	loose lithosols + regosol + calcaric regosol industrial area on aggregated or eroded surfaces
	58	humic regosol/eutro-gleyic cambisol + hortisol/gleysol + calcaric regosol/fluvisol aggradation on river bank areas and in channels

CSA = Collective Soil Association

Italic Concept Soil

- The Concept Map of Soil Associations is based on the current and updated Soil Association Map for West Berlin, first published in 1985, and the extension of this map for East Berlin based on analogue conclusions. The map as a whole is thus a concept map and is only for unsealed soils.
- The bases for the Concept Map of Soil Associations are excavations and drill-corings made in forest plantations and agricultural areas, primarily in the western part of Berlin, and in settlements, under consideration of land use categories. The map has been confirmed for areas where soil associations were defined on the basis of comparable natural conditions. Studies were made of some individual sites of soils anthropogenically altered by settlements, industrial use, and military sites, etc. Results were carried over by analogy for areas of comparable use. The map is a concept map for these areas.
- A portrayal of the distribution of individual soils is only somewhat possible in a map with a scale of 1 : 50,000. This is why soil associations were grouped together from several characteristic soil types. Near-natural soils have a clear relationship to the original material of soil formation, and to the current natural conditions. Near-natural soil associations are related by interactive structures and they also formed in dependence on each other. Soil associations were named using the interactive structures that characterize these soils. The beginning and final soils of the association are given. Anthric soil associations (associations of anthropogenically altered soils) are grouped only according to their common occurrence within an area of single use. They are not linked.
- Soil associations are divided according to type and range of human influences. The soil associations begin with near-natural soils with a dash between (individual soils). The associations end with anthrosols; these are listed with a plus symbol.
- Soil associations have three categories:
 - Soil Associations - These have been described and confirmed on the basis of maps and test samples.
 - Concept Soil Associations - These combinations of use and geomorphology have not yet been detected in or do not exist in West Berlin. Confirmation by soil studies has not yet been made.
 - Collective Soil Associations - These are groupings of soil associations in East Berlin which cannot be classified in the manner given by Grenzius (1987) because of the current status of the data base.

Scale: 1 : 50 000



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