

Schema of the most important riparian and wet forest communities of streams in the low mountain ranges of Baden-Württemberg

Forest type	FFH-LRT ¹⁾	Forest Community		Distribution	Sites	Water balance	Tree species	Shrubs
		Latin Name	Eng. Name					
Riparian:								
Forests in flood plains of streams and rivers, characterised by episodic to frequent temporally varying flooding, in part streams on sites dependent on groundwater fluctuation								
Stitchwort-Black Alder Forest	91E0 ²⁾	Stellario-Alnetum	Stitchwort-Black Alder Forest -	Submontane to montane; siliceous bedrock	Narrow - a few meters wide, laminar, only on well-drained slopes	Periodic floods in spring, but only of short duration	Black Alder, Crack Willow, Ash, Sycamore Maple (montane) Depending on the growth area, Beech and Norway Maple	Hazel, Water-Elder, Elderberry
Black Alder-Ash-Forest	91E0 ²⁾	Carici Fraxinetum	Remote Sedge-Ash Forest	Submontane to montane	Along streams and rivulets in broken terrain and valley basins, on slopes with springs or spring basins	Active spring percolation, temporarily flooded, never waterlogged, very good oxygen supply	Ash, Black Alder	Few shrubs
		Ribeso-Fraxinetum	Currant-Ash Forest	Subatlantic; conditions: warm summers and mild winters	Springs and spring leakage basins, loamy mainly lime-rich soils	Permanent moist to wet, short occasional floods after torrential rain	Black Alder, Ash Also English Oak, Europ. Hornbeam, Field Maple, Field and Europ. White Elm	Sparse Europ. Spindle, Water-Elder, Elderberry
		Equiseto-Fraxinetum	Great Horsetail-Ash Forest	colline to oreal	Lime-rich loam soils	Oxygen-rich spring water, percolated slopes, spring basins	Ash, a small number of Sycamore Maple	Few shrubs
Grey Alder-Riparian	91E0 ²⁾	Alnetum incanae	Grey Alder Forest	Oreal, by cold air affected stream valleys	Terraces near rivers, gravel- and sandbanks, base-rich sites	Various soil moisture levels, floods up to intervals of several years	Grey Alder, Ash, Sycamore Maple Depending on the growth area Bird Cherry, Scots Elm, Willow	Few shrubs

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Swamp/ Wet Forests								
Forests with various alkaline-rich soils with temporary or permanent high ground- or leakage water, no surface flooding, occasionally flooded via ground water								
Bird Cherry-Alder-Forest	91E0 ²⁾	Pruno-Fraxinetum	Ash-Alder – Swamp Forest	Planar to montane; displaces the Ribeso-Fraxinetum eastwards	On low mountain ranges lower sites of stream valleys up to 900 m AMSL	High groundwater level (20 to 70 cm), slowly percolating, occasionally flooded	Black Alder (wet, poor), Ash (dry, rich); Bird Cherry Europ. White Elm, Eng. Oak, Small-leaved Lime, Europ. Hornbeam	Elderberry, Hazel, Europ. Spindle, Honeysuckles
Spruce-Swamp Forest	9410 ³⁾	Bazzanio-Piceetum	Three-lobed Bazzania-Spruce Forest	Oreal (above 1100 m AMSL)	Slightly sloping terrain with cold air conditions	Spring percolated sites with more or less delayed discharge	Spruce, occasionally Silver Fir, Rowan, Carpathian Birch, Scots Pine	Alder Buckthorn
Ravine and Talus Forests								
Broad leaf tree-rich forests on steep slopes, in ravines, on stony slopes, to a large extent consolidated sites.								
Maple-Ash-Ravine Forest	9180 ⁴⁾	Adoxo-Aceretum	Sycamore Maple-Ash-Wet Forest	Submontane to montane	Nutrient-rich, fresh to moist colluvial soil on lower slopes with water-dynamic soils	Stream or river sediments, which are not or only occasionally flooded	Sycamore Maple, Scots Elm, Ash	Few shrubs
		Fraxino-Aceretum	Large-leaved Lime-Scots Elm-Sycamore Maple-Forest	Montane	Steep, stony slopes, ravines	Air-moist and cool	Sycamore Maple, Scots Elm, Large-leaved Lime, Norway Maple, Ash	Few shrubs
		Ulmo-Aceretum	Scots Elm-Sycamore Maple-Forest	Oreal; replaces boreal the Fraxino-Aceretum	Fine soil-rich talus slopes	Moist sites	Sycamore Maple, Scots Elm, Beech	Few shrubs

¹⁾ FFH-LRT = Habitat type according to the Flora-Fauna-Habitats Directive; ²⁾ 91E0* = Alder- and Ash-Forests and Soft Wood Forests at streams (Alno-Padion, Alnion incanae, Salicion albae); * Prior Habitat; ³⁾ Montane to alpine, soil acidic spruce forests; ⁴⁾ Ravine- and slope mixed forest.