

Annex 4:

Wetlands of Kirchdorf

"Kaiserbach" valley (3828-102/1, 3828-103/1 and 3828-103/2)

Size: 265,04 ha

Altitude: 695 -1994 m

The "Kaiserbach" valley is part of the nature reserve "Kaisergebirge".The brook is attended by a typical Salicetum incano-purpureae and there are still parts with natural river dynamics such as small islands and relocation of gravel. Upstreams of the bridge at "Griesenau" the brook is regulated and gravel exploitation takes place but downstreams of "Griesenau" it is natural again with meanders, islands and large gravel sedimentations with a distinct zonation. The zonation starts with bare gravel followed by pioneer vegetation consisting of *Dryas octopetala*, *Carex firma* and *Gypsophila repens* and continues with *Salix purpurea* and *Salix eleagnos* stands which represent the first step of a riverine forest in this region of the Limestone Alps. In the last step of the zonation *Pinus sylvestris* and *Picea abies* as well as *Betula pendula*, *Sorbus aria* and *Sorbus aucuparia* grow beside the willows.

Species list 1: Branch valley on the left side of the brook between "Griesner-Alm" and "Fischbach-Alm"

<i>Salix eleagnos</i>	<i>Globularia cordifolia</i>
<i>Amelanchier ovalis</i>	<i>Globularia nudicaulis</i>
<i>Erica herbacea</i>	<i>Hippocrepis comosa</i>
<i>Fagus sylvatica</i>	<i>Kernera saxatilis</i>
<i>Juniperus communis</i>	<i>Leontodon incanus</i>
<i>Picea abies</i>	<i>Linum catharticum</i>
<i>Pinus mugo</i>	<i>Melampyrum pratense</i>
<i>Rhododendron hirsutum</i>	<i>Molinia caerulea</i>
<i>Sorbus aria</i>	<i>Parnassia palustris</i>
<i>Sorbus aucuparia</i>	<i>Petasites paradoxus</i>
<i>Acinos alpinus</i>	<i>Polygala chamaebuxus</i>
<i>Agrostis tenuis</i>	<i>Potentilla erecta</i>
<i>Astrantia major</i>	<i>Primula auricula</i>
<i>Briza media</i>	<i>Pteridium aquilinum</i>
<i>Bupthalmum salicifolium</i>	<i>Saxifraga caesia</i>
<i>Campanula cochleariifolia</i>	<i>Scabiosa lucida</i> Glänzende Skbiose
<i>Carduus nutans</i> agg.	<i>Sesleria varia</i>
<i>Carex firma</i>	<i>Teucrium montanum</i>
<i>Centaurea jacea</i>	<i>Thesium alpinum</i>
<i>Deschampsia cespitosa</i>	<i>Thymus praecox</i> agg.
<i>Dryas octopetala</i>	<i>Tofieldia calyculata</i>

Species list 2: Branch valley on the right site of the brook beneath the "Fischbach" alp

<i>Acer pseudoplatanus</i>	<i>Globularia nudicaulis</i>
<i>Amelanchier ovalis</i>	<i>Gymnadenia odoratissima</i>
<i>Calluna vulgaris</i>	<i>Hippocrepis comosa</i>
<i>Erica herbacea</i>	<i>Kernera saxatilis</i>
<i>Frangula alnus</i>	<i>Knautia dipsacifolia</i>
<i>Picea abies</i>	<i>Koeleria pyramidata</i> agg.
<i>Pinus mugo</i>	<i>Leontodon incanus</i>
<i>Rhododendron hirsutum</i>	<i>Lilium martagon</i>
<i>Salix appendiculata</i>	<i>Linum catharticum</i>
<i>Salix eleagnos</i>	<i>Lotus corniculatus</i> agg.
<i>Salix waldsteiniana</i>	<i>Maianthemum bifolium</i>
<i>Sorbus aria</i>	<i>Petasites paradoxus</i>
<i>Anthericum ramosum</i>	<i>Picea abies</i>
<i>Campanula cochleariifolia</i>	<i>Polygala chamaebuxus</i>
<i>Carduus defloratus</i> agg.	<i>Potentilla erecta</i>
<i>Carduus nutans</i> agg.	<i>Primula auricula</i>
<i>Carex firma</i>	<i>Selaginella selaginoides</i>
<i>Carex flacca</i>	<i>Sesleria varia</i>
<i>Convallaria majalis</i>	<i>Solidago virgaurea</i>
<i>Dryas octopetala</i>	<i>Teucrium montanum</i>
<i>Epipactis atrorubens</i>	<i>Thesium alpinum</i>
<i>Euphrasia rostkoviana</i> agg.	<i>Tofieldia calyculata</i>

Species list 3: "Kaiserbach" between "Griesenau" and "Einwall"

<i>Acer pseudoplatanus</i>	<i>Viburnum lantana</i>
<i>Picea abies</i>	<i>Angelica sylvestris</i>
<i>Pinus sylvestris</i>	<i>Aposeris foetida</i>
<i>Salix eleagnos</i>	<i>Aquilegia vulgaris</i>
<i>Sorbus aucuparia</i>	<i>Bupthalmum salicifolium</i>
<i>Acer pseudoplatanus</i>	<i>Campanula scheuchzeri</i>
<i>Berberis vulgaris</i>	<i>Centaurea jacea</i>
<i>Daphne mezereum</i>	<i>Chaerophyllum hirsutum</i>
<i>Frangula alnus</i>	<i>Eupatorium cannabinum</i>
<i>Juniperus communis</i>	<i>Euphrasia rostkoviana agg.</i>
<i>Larix decidua</i>	<i>Gentiana asclepiadea</i>
<i>Picea abies</i>	<i>Juniperus communis</i>
<i>Pinus sylvestris</i>	<i>Mycelis muralis</i>
<i>Rubus saxatilis</i>	<i>Parnassia palustris</i>
<i>Salix appendiculata</i>	<i>Sesleria varia</i>
<i>Salix eleagnos</i>	<i>Teucrium chamaedris</i>
<i>Sorbus aria</i>	<i>Tussilago farfara</i>
<i>Sorbus aucuparia</i>	<i>Hylocomium splendens</i>

Species list 4: "Kaiserbach", younger gravel sedimentation

<i>Alnus incana</i>	<i>Dryas octopetala</i>
<i>Betula pendula</i>	<i>Eupatorium cannabinum</i>
<i>Erica herbacea</i>	<i>Globularia nudicaulis</i>
<i>Salix appendiculata</i>	<i>Gypsophila repens Kriechendes Gipsraut</i>
<i>Salix daphnoides</i>	<i>Hieracium sylvaticum</i>
<i>Salix eleagnos</i>	<i>Hippocrepis comosa</i>
<i>Salix nigricans</i>	<i>Leontodon incanus</i>
<i>Alchemilla conjuncta agg.</i>	<i>Melampyrum pratense</i>
<i>Anthericum ramosum</i>	<i>Molinia caerulea</i>
<i>Biscutella laevigata</i>	<i>Petasites paradoxus</i>
<i>Bupthalmum salicifolium</i>	<i>Polygala chamaebuxus</i>
<i>Calamagrostis varia</i>	<i>Potentilla erecta</i>
<i>Carduus nutans agg.</i>	<i>Rhinanthus aristatus agg.</i>
<i>Carex firma</i>	<i>Silene vulgaris</i>
<i>Carex mucronata</i>	<i>Thesium alpinum</i>
<i>Carlina acaulis</i>	<i>Thymus praecox agg.</i>



Branch valley of the "Kaiserbach" valley with mountain pine and Dealpine vegetation



Natural aspect of the "Kaiserbach" downstreams "Griesenau"