Appendix 1a: Riparian mesohabitats in non-restored sections [%]. For site names, see appendix 1c.

	Site number																							
Riparian mesohabitat	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Bank	0.0	41.0	0.0	0.0	34.9	2.8	2.3	0.0	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	55.6	2.7	0.0	0.0	0.0	2.6	0.0
Embankment	94.6	29.0	70.9	92.7	59.4	76.3	90.0	87.7	98.1	95.9	85.6	100.0	77.6	100.0	83.3	95.7	75.7	44.4	94.3	100.0	98.4	100.0	92.5	100.0
Flooplain area	0.0	21.6	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Midchannel bar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Side bar	5.4	8.5	6.1	7.3	5.7	20.9	7.7	12.3	1.9	4.1	14.4	0.0	11.6	0.0	16.7	4.3	11.8	0.0	3.0	0.0	1.6	0.0	4.8	0.0
Vegetated island	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 1b: Riparian mesohabitats in restored sections [%]. For site names, see appendix 1c.

	Site number																							
Riparian mesohabitat	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Bank	0.0	6.6	0.0	13.9	10.5	1.6	27.5	0.0	0.0	0.0	76.2	0.0	7.9	2.8	1.9	0.0	0.0	7.6	14.4	7.7	7.7	56.9	6.4	5.0
Embankment	8.3	3.6	22.2	4.3	43.1	0.7	48.7	16.1	15.3	19.4	18.6	90.1	8.9	59.7	29.2	27.0	17.6	46.6	44.7	0.7	8.0	1.8	37.4	21.4
Flooplain area	30.9	5.6	35.3	34.2	0.0	95.9	2.2	22.8	26.3	3.5	0.0	0.0	36.7	0.0	0.0	35.4	72.4	0.0	0.0	52.8	0.0	7.6	11.9	15.9
Midchannel bar	11.6	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.1	0.6	0.0	6.7	0.0	1.6	0.0	0.0	0.3	2.5	0.0	6.0	2.3	0.0	0.0	0.6
Side bar	15.0	3.3	37.4	4.3	8.2	1.3	19.3	14.1	5.9	32.3	3.9	0.0	4.3	18.1	8.8	6.9	4.7	26.9	4.5	0.7	4.0	0.5	9.3	0.4
Vegetated island	34.2	80.8	5.1	43.4	38.2	0.4	2.2	37.3	52.4	44.1	1.3	2.4	43.0	17.9	60.1	30.8	5.1	16.3	36.4	32.1	78.0	33.1	35.0	56.9

Appendix 1c: Site numbers and study sites.

Site number	Stream name	Site name
1	Bröl	Waldbröl
2	Dill	Dillenburg
3	Eder	Dodenau
4	Fulda	Mecklar
5	Fulda	Niederaula
6	Gartroper	Hünxe
7	Josbach	Josbach
8	Lahn	Cölbe
9	Lahn	Ludwigshütte
10	Lahn	Wallau
11	Nette	Weißenthurm
12	Nidda	Ilbenstadt
13	Nidda	Ranstadt
14	Nidda	Bad Vilbel
15	Nidder	Altenstadt
16	Nims	Birtlingen
17	Orke	Niederorke
18	Ruhr	Arnsberg
19	Rur	Jülich
20	Rur	Körrenzig
21	Rur	Millich
22	Schwalm	Brüggen
23	Ulster	Wenigentaft
24	Wurm	Frelenberg

Appendix 2a: Vegetation units in non-restored sections [%]. For site names, see appendix 2c.

	Site number																							
Vegetation unit	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Aegopodion	19.7	0.0	25.8	0.0	0.0	0.0	0.0	14.2	13.0	30.8	21.1	0.0	0.0	0.0	0.0	0.0	19.3	40.0	22.1	0.0	15.1	3.4	0.0	22.8
Alno-Padion	70.8	62.5	6.3	0.0	0.0	50.0	0.0	36.6	50.7	62.5	32.5	0.0	0.0	0.0	0.0	100.0	42.1	0.0	0.0	0.0	0.0	79.9	40.0	0.0
Arrhenatherion - fragment community	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	56.0	18.5	1.7	0.0	35.1
Calystegion - fragment community	0.0	33.3	0.0	9.5	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calystegion sepi	0.0	0.0	0.0	42.9	21.1	0.0	33.3	0.0	0.0	0.0	0.0	82.8	5.6	65.0	8.3	0.0	0.0	0.0	0.0	18.1	0.0	0.0	26.7	0.0
Carpinion	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phalaridion	0.0	0.0	13.5	0.0	0.0	0.0	33.3	8.1	0.0	0.0	0.0	0.0	16.7	0.0	16.7	0.0	13.6	24.4	0.0	0.0	14.3	0.0	0.0	0.0
Phragmition_Phragmites	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pruno-Rubion-fruticosi / Calystegion sepi - fragment community	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	0.0
Quercion	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ranunculion fluitantis	0.0	0.0	54.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.1	35.6	0.0	0.0	0.0	0.0	6.7	0.0
Ranunculion / Nymphaeion	0.0	0.0	0.0	0.0	15.8	0.0	0.0	0.0	0.0	0.0	4.4	17.2	55.6	20.0	62.5	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	42.1
Salicion albae	0.0	4.2	0.0	47.6	42.1	0.0	33.3	41.2	36.3	0.0	42.1	0.0	11.1	15.0	0.0	0.0	0.0	0.0	43.4	0.0	21.8	0.0	26.7	0.0
Salix-, Alnus-, Fraxinus-afforestation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	30.3	6.8	0.0	0.0

Appendix 2b: Vegetation units in restored sections [%]. For site names, see appendix 2c.

	Site number																							
Vegetation unit	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Aegopodion	14.6	0.0	21.2	0.0	0.0	0.0	0.0	26.6	15.3	12.8	0.0	0.0	0.0	0.0	0.0	7.2	21.4	11.7	11.5	7.8	18.3	1.1	0.0	5.3
Agropyro-Rumicion	0.0	0.0	0.0	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	3.3	0.0	0.0	0.0	31.7
Alno-Padion	29.9	27.3	0.0	0.0	0.0	38.9	0.0	6.9	21.5	8.6	0.0	0.0	16.2	0.0	17.4	89.8	47.0	0.0	0.0	0.0	0.0	58.8	49.0	0.0
Arrhenatherion - fragment community	0.0	0.0	4.6	0.0	0.0	8.6	0.0	6.8	8.9	4.7	50.3	0.0	0.0	0.0	0.0	0.0	0.0	16.6	28.5	28.6	5.2	3.6	0.0	20.0
Bidention – fragment community	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0	0.0	0.0	0.0
Calthion	0.0	0.0	0.0	0.0	0.0	44.4	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0
Calystegion - fragment community	0.0	45.5	0.0	14.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	0.0
Carpinion	43.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calystegion sepi	0.0	0.0	0.0	2.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	56.5	10.8	78.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0
Dauco-Melilotion	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	4.8
Fagion	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glycerion_Sparganium	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	43.5	24.3	12.2	47.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
Magnocaricion	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0
Mixture of Sysimbrion-Chenopodium-Dauco-Melilotion on gravel bars	10.6	0.0	12.0	0.0	0.0	0.0	0.0	8.1	13.0	28.6	28.4	0.0	0.0	0.0	0.0	0.0	0.3	46.8	0.0	2.9	0.0	0.0	0.0	0.0
Nymphaeion	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2
Phalaridion	0.0	0.0	7.6	27.1	0.0	0.0	0.0	34.8	28.1	18.9	0.0	0.0	5.4	0.0	0.0	0.0	8.0	14.1	11.3	10.8	5.8	0.0	0.0	5.3
Phragmition_Phragmites	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phragmition_Typha	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potamogetonion	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0
Potamogetonion-Glycerion - mixed communities	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ranunculion / Nymphaeion	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ranunculion fluitantis	0.0	0.0	38.5	26.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	10.7	0.0	0.0	0.0	0.0	2.0	0.0
Salicion albae	0.0	27.3	16.1	18.6	44.4	0.0	16.7	16.8	13.3	26.4	21.3	0.0	0.0	9.8	8.7	3.0	6.1	0.0	31.5	28.6	23.8	0.0	0.0	5.8
Salix-, Alnus-, Fraxinus-afforestation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	8.7	5.0	0.0	0.0
Sambuco-Salicion	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.1	5.8	0.0	0.0
Sambuco-Salicion_Betula	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	0.0	0.0
Tanacetum vulgare - community	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	0.0

Appendix 2c: Site numbers and study sites.

Site number	Stream name	Site name
1	Bröl	Waldbröl
2	Dill	Dillenburg
3	Eder	Dodenau
4	Fulda	Mecklar
5	Fulda	Niederaula
6	Gartroper	Hünxe
7	Josbach	Josbach
8	Lahn	Cölbe
9	Lahn	Ludwigshütte
10	Lahn	Wallau
11	Nette	Weißenthurm
12	Nidda	Ilbenstadt
13	Nidda	Ranstadt
14	Nidda	Bad Vilbel
15	Nidder	Altenstadt
16	Nims	Birtlingen
17	Orke	Niederorke
18	Ruhr	Arnsberg
19	Rur	Jülich
20	Rur	Körrenzig
21	Rur	Millich
22	Schwalm	Brüggen
23	Ulster	Wenigentaft
24	Wurm	Frelenberg

Appendix 2d: Recorded vegetation units and descriptions.

Vegetation unit	Description
Aegopodion	Nitrophilous stands dominated by *Urtica dioica, Aegopodium podagraria* or *Galium aparine*
Agropyro-Rumicion	Grassland in frequently flooded areas dominated by *Alopecurus geniculatus*
Alno-Padion	Most frequent floodplain-forests in low-mountain regions dominated or characterized by *Alnus glutinosa* (tree layer) and *Stellaria nemorum* in the herb layer
Arrhenatherion - fragment community	Mown (or grazed) grassland dominated or characterized by *Arrhenatherum elatius* and other meadow-species like *Trifolium pratense* , *T. repens* , *Alopecurus pratensis* or *Leucanthemum vulgare* , as well as species poor and degraded stands composed of *Arrhenatherum elatius* and a few other species (e.g. *Dactylis glomerata* , *Taraxacum officinalis* agg.) frequently abundant
Bidention – fragment community	Frequently species-rich stands dominated or characterized by *Bidens, Chenopodium* and *Atriplex* in early succsessional stages on river banks with prevailing fine sediments (silt, loam, clay)
Calthion	Moist, species poor grassland dominated by *Scirpus sylvaticus* (and *Juncus effusus)*
Calystegion - fragment community	Nitrophilous stands dominated by *Impatiens glandulifera*
Calystegion sepi	Nitrophilous stands dominated by *Calystegia sepium, Convolvulus, Galium aparine* (and *Urtica dioica)*
Carpinion	Forests characterized by *Carpinus* ssp. and *Quercus robur* in the tree layer, *Stellaria holostea* and *Poa nemoralis* in the herb layer
Dauco-Melilotion	Dry ruderal stands dominated or charcterized by *Daucus carota, Melilotus* ssp. or *Echium vulgare*
Fagion	Forests dominated by *Fagus sylvatica*
Glycerion_Sparganium	Stands of *Sparganium* ssp. in running water bodies with low current
Magnocaricion	Stands of tall sedges like *Carex gracilis, C. acutiformis*
Mixture of Sysimbrion-Chenopodium-Dauco-Melilotion on gravel bars	Sparse vegetation on open gravel banks comprising a species-mixture from many different units, frequently characterized by predominantly dry-ruderals like *Daucus, Melilotus, Sisymbrium, Echium* or other ruderals like *Arctium, Saponaria, Alliaria*
Nymphaeion	Flooding stands of *Myriophyllum spicatum*
Phalaridion	Reeds of *Phalaris arundinacea*
Phragmition_Phragmites	Stands of *Phragmites australis*
Phragmition_Typha	Stands dominated by *Typha latifolia*

Appendix 2d (continued): Recorded vegetation units and descriptions.

Potamogetonion	Stands of floating species like *Nymphaea, Nuphar, Potamogetum* etc.
Potamogetonion-Glycerion - mixed communities	Stands built by *Glyceria fluitans, -plicata, -declinata* or dominated by *Potamogetum* -species in pools or in water bodies with low current
Pruno-Rubion-fruticosi / Calystegion sepi - fragment comunity	Shrub patches dominated or characterized by *Rubus fruticosus* agg. or *R. caesius*
Quercion	Woods and forest on acidous soils dominated by *Quercus petraea*
Ranunculion fluitantis	Flooding stands of *Ranunculus fluitans*
Ranunculion / Nymphaeion	Stands in pools or in water bodies with low current dominated or characterized by *Callitriche* ssp.
Salicion albae	Frequently flooded woods and forests dominated by *Salix alba* or *S. fragilis* (and hybrids), or floodplain-woods characterized by *Salix viminalis, S. cinerea or S. triandra*
Salix-, Alnus-, Fraxinus-afforestation	Embankement afforestations with *Salix-, Alnus* or *Fraxinus* -species (atypical or non-native species)
Sambuco-Salicion	Open woods in early successional stages dominated by *Sambucus ssp., Salix caprea* or *Betula pendula*
Sambuco-Salicion_Betula	Wood and shrubland of early successional stages dominated by *Betula pendula*
Tanacetum vulgare - community	Stands dominated by *Tanacetum vulgare*

Appendix 3a: Taxalists of floodplain vegetation in non-restored sections [habitat-weighted abundances per sample section]. For site names, see appendix 3c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Acer campestre	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acer pseudoplatanus/platanoides	15.9	1.9	0.0	0.0	0.0	0.0	0.0	14.6	12.8	2.0	0.0	0.0	0.0	0.0	0.0	40.0	1.9	0.0	26.3	0.0	0.0	16.0	0.0	0.0
Achillea millefolium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.1	0.0	0.0	0.0	0.0
Aconitum napellus	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adoxa moschatellina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aegopodium podagraria	0.6	4.4	46.9	22.2	1.3	0.0	7.0	58.5	82.9	104.9	3.2	0.0	0.2	0.0	0.0	40.0	63.9	0.0	7.0	0.0	0.0	0.0	2.9	0.0
Agropyron caninum	1.8	23.7	2.5	0.0	0.0	0.0	0.0	8.8	42.5	18.7	20.3	0.0	0.0	0.0	0.0	10.0	1.9	0.0	0.0	0.0	0.0	0.0	117.6	0.0
Agrostis gigantea	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agrostis stolonifera	25.3	6.0	0.1	3.4	57.5	71.0	8.0	6.4	3.6	1.2	16.4	0.0	22.4	11.8	19.4	5.0	1.7	12.1	6.1	8.5	11.5	1.6	200.7	0.0
Agrostis tenuis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	56.0	3.3	0.0	0.0	12.6
Ajuga reptans	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.1	0.0	0.0	0.0	0.0
Alliaria petiolata	18.8	8.7	3.8	5.0	1.9	0.0	3.0	4.9	1.9	6.8	3.7	0.0	0.0	0.0	0.0	10.0	16.4	0.0	1.3	1.6	1.0	0.1	2.9	0.0
Allium cf. *vineale*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	1.4
Alnus cordata	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
Alnus glutinosa	288.7	131.3	29.9	0.0	0.0	215.0	0.0	168.1	235.4	288.6	175.3	0.0	4.4	0.0	0.0	200.0	221.7	0.0	34.7	1.1	0.0	311.9	180.0	0.0
Alnus incana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	0.0	0.0	0.0	0.0
Alopecurus pratensis	0.0	0.0	48.6	0.0	0.0	0.0	3.0	0.5	13.3	3.1	0.0	0.0	0.3	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Anemone nemorosa	2.5	0.0	0.6	0.0	0.0	3.0	0.0	0.0	1.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Angelica sylvestris	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.4	0.0	0.0	0.0
Anthoxanthum odoratum	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anthriscus sylvestris	0.0	0.0	0.1	0.0	0.0	3.0	0.0	0.0	1.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	2.2	0.0	0.0	0.0
Arctium lappa/nemorum/tomentosum	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.1	0.0	0.0	0.0	1.3	0.0	0.0	12.6	0.0	0.3	0.0	0.0	0.0	1.7	0.0
Arrhenatherum elatius	19.4	0.0	30.7	2.9	0.6	0.0	33.0	1.3	14.0	8.1	2.1	1.7	18.7	0.0	10.0	1.0	27.2	39.2	15.8	227.9	81.0	1.9	4.8	140.0
Artemisia vulgaris	0.0	0.0	8.5	12.9	1.3	0.0	0.0	1.5	6.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.6	1.5	0.0	0.0	5.1	0.0	0.0	0.0
Arum maculatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Athyrium filix-femina	62.4	0.0	1.3	0.0	0.0	49.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0
Atriplex hastata	0.0	0.0	0.0	1.3	1.9	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbarea intermedia	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbarea vulgaris	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Betula pendula	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.5	0.0	0.0	0.0
Brachypodium sylvaticum	1.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brachythecium rivulare	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromus hordeaceus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromus inermis	0.0	0.0	0.0	64.3	58.1	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	3.0	0.0	5.2	1.1	0.0	2.7	0.0
Bryonia dioica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bunias orientalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Callitriche sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Caltha palustris	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calystegia sepium	0.6	0.0	2.3	84.7	29.7	0.0	41.0	2.0	1.9	3.7	35.8	26.5	28.7	6.8	13.0	0.0	1.6	15.6	26.2	36.0	58.3	9.2	13.5	13.4
Campanula latifolia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.7	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campanula patula	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campanula trachelium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
Capsella bursa-pastoris	0.0	0.0	0.1	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cardamine amara	0.0	0.0	0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cardamine flexuosa	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cardamine impatiens	0.0	56.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carduus crispus	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	7.8	0.0	0.0	5.8	3.6	0.0	3.4	10.2	0.0	0.0	0.0
Carex c.f. *acutiformis*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	231.8	0.0	0.0
Carex hirta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0
Carex remota	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0
Carpinus betulus	92.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	10.9	0.0	0.0
Centaurea jacea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
Cerastium holosteoides	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0
Ceratophyllum demersum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chaerophyllum bulbosum	0.0	0.0	0.0	3.1	0.0	0.0	0.0	32.9	1.9	0.0	3.2	24.8	0.0	4.4	0.0	0.0	21.6	0.0	0.0	1.9	0.0	0.0	7.7	0.0
Chaerophyllum hirsutum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chaerophyllum temulum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.6	9.1	0.7	0.0	0.0
Chelidonium majus	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chenopodium polyspermum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Circaea intermedia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0
Circaea lutetiana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cirsium arvense	0.0	0.0	2.0	0.0	0.0	0.0	0.0	3.3	6.3	19.1	0.0	1.7	0.0	0.0	0.0	0.0	0.6	0.0	3.7	1.5	1.8	0.0	0.0	0.0

Appendix 3a (continued): Taxalists of floodplain vegetation in non-restored sections [habitat-weighted abundances per sample section]. For site names, see appendix 3c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Cirsium oleraceum	0.0	0.0	2.0	0.0	0.0	0.0	2.0	0.7	5.8	18.7	0.0	0.0	0.0	0.0	0.0	0.0	6.3	3.6	1.3	0.0	0.0	0.0	0.0	0.0
Cirsium palustre	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cirsium vulgare	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Convolvulus arvensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cornus sanguinea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	0.0	3.0	1.6	0.0	0.0
Corydalis cava	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Corylus avellana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.9	0.0	0.0	0.0
Crataegus cf. *monogyna*	0.0	1.9	0.6	0.0	0.0	0.0	0.0	0.0	1.2	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0
Crepis capillaris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0
Crepis paludosa	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cruciata laevipes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cynosurus cristatus	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cytisus scoparius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dactylis glomerata	0.0	2.8	2.3	2.2	0.6	0.0	1.0	1.7	7.5	0.0	13.9	33.1	0.7	2.8	4.7	10.0	0.6	12.0	6.1	15.2	25.2	1.7	9.7	19.3
Daucus carota	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.7	0.0	0.0	0.0
Dentaria bulbifera	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deschampsia cespitosa	0.0	0.0	0.1	0.0	0.0	95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deschampsia flexuosa	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Digitalis purpurea	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dryopteris carthusiana	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dryopteris dilatata	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	0.0	0.0
Dryopteris filix-mas	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus repens	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	264.8	0.0	67.1	0.0	0.0	0.0	8.1	0.0	16.5	67.4	0.2	1.1	30.1
Epilobium adenocaulon	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium angustifolium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium c.f. *lamyi*	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium c.f. *roseum*	0.0	2.5	0.0	1.3	0.6	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium hirsutum	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.2	0.0	8.4	0.0	0.3	0.0	0.0	1.0	0.0	13.5	0.0	0.0	2.5	0.0	0.0	1.4
Epilobium obscurum	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium parviflorum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epipactis helleborine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0
Equisetum arvense	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum palustre	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum pratense	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Erigeron annuus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0
Erysimum cheiranthoides	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Euonymus europaea	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.2	0.0	0.0	0.0
Eupatorium cannabinum	0.7	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	13.5	1.0	0.0	0.0
Euphorbia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Fagus sylvatica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Festuca arundinacea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	5.6	1.1	0.0	0.0	7.0
Festuca gigantea	2.5	2.1	0.0	0.0	0.0	0.0	1.0	2.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	15.0	1.9	0.0	0.0	0.0	0.0	0.4	5.1	0.0
Festuca pratensis	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	18.7	0.0	1.7	0.0	170.3	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Festuca rubra	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	56.0	0.0	1.2	0.0	0.0
Filipendula ulmaria	35.3	110.9	62.1	0.0	0.0	0.0	28.0	0.0	14.8	55.2	0.0	0.0	0.0	0.0	0.0	30.0	0.0	6.0	0.0	0.0	0.0	0.2	0.0	0.0
Frangula alnus	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fraxinus excelsior	162.4	99.0	0.0	0.0	0.0	0.0	0.0	3.7	44.7	2.0	19.5	0.0	0.0	0.0	0.0	205.0	15.8	52.9	91.3	0.0	41.7	16.0	156.0	0.0
Galeopsis bifida	1.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galeopsis tetrahit	0.0	1.9	0.0	1.9	0.0	0.0	24.0	0.0	1.3	10.0	1.3	1.7	0.2	0.6	0.2	1.0	0.0	0.0	0.0	2.2	0.0	5.1	1.1	0.0
Galium album	0.0	0.7	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	66.2	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galium aparine	4.1	1.3	3.8	6.7	0.0	0.0	28.0	15.0	9.4	6.2	15.0	16.6	0.0	0.0	0.0	6.0	24.6	7.8	64.7	6.1	9.3	6.7	2.8	13.3
Galium mollugo	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	5.1	1.0	3.2	0.0	0.0	0.0	0.0	0.0	0.4	0.0	2.1	6.7	18.4	0.0	0.0	0.0
Galium palustre	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gentiana lutea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geranium pyrenaicum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Geranium robertianum	0.0	1.9	0.0	0.0	0.0	0.0	1.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geum urbanum	1.8	11.3	0.1	1.0	0.0	0.0	1.0	2.2	4.3	18.7	5.2	0.0	0.0	0.0	0.0	2.0	5.0	0.0	6.9	0.0	0.0	0.0	2.9	0.0
Glechoma hederacea	2.4	0.0	0.1	4.7	10.1	0.0	2.0	0.0	0.0	0.0	9.9	0.0	4.9	0.0	0.5	0.0	4.4	0.6	76.3	0.0	83.7	8.5	9.3	18.2
Glyceria fluitans/plicata/declinata	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glyceria maxima	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 3a (continued): Taxalists of floodplain vegetation in non-restored sections [habitat-weighted abundances per sample section]. For site names, see appendix 3c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Hedera helix	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0
Helianthus tuberosus	0.0	0.0	0.0	26.7	7.6	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Heracleum mantegazzianum	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	20.3	0.0	0.0	49.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Heracleum sphondylium	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	3.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	12.4	21.1	1.1	0.0	0.0	3.5
Hesperis matronalis	2.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0	11.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Hieracium c.f. *sylvaticum*	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Holcus lanatus	0.0	0.0	0.0	6.4	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	26.4	23.8	0.0	3.4	0.0	42.1
Holcus mollis	0.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hordeum murinum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Humulus lupulus	1.8	0.7	0.0	1.9	0.0	0.0	0.0	2.2	0.0	0.0	1.9	1.7	1.9	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	33.0	0.0	0.0
Impatiens glandulifera	147.1	162.1	18.2	122.4	115.6	0.0	1.0	151.6	37.9	54.8	2.5	1.7	47.8	13.9	17.0	10.0	27.2	13.9	0.0	14.1	7.8	0.0	81.2	0.5
Iris pseudacorus	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.4	0.0	0.0	0.0
Juncus bufonius	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Juncus effusus	0.0	0.0	0.0	0.0	0.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.3	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Lactuca serriola	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lamiastrum galeobdolon	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	16.0	0.0	0.0
Lamium album	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	27.3	0.0	0.0	0.0	0.0	0.0	3.7	4.4	0.0	0.0	0.0
Lamium maculatum	1.8	9.4	1.5	3.8	0.0	0.0	0.0	5.0	0.0	3.1	11.7	8.3	0.0	6.5	0.5	0.0	1.3	1.8	0.0	6.5	13.7	0.0	1.2	0.0
Lamium purpureum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	21.2	0.0	0.0	0.0
Lapsana communis	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.7	0.0	0.0	0.0	1.0	0.0	0.6	0.0	0.0	0.0	0.0	2.4	0.0
Lemna minor	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lolium perenne	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5	0.0	5.5	2.6	0.5	8.1
Lonicera periclymenum	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lotus uliginosus	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lycopus europaeus	1.8	0.0	0.0	1.3	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	5.0	0.0	0.0	0.0
Lysimachia vulgaris	5.3	0.0	2.1	0.0	1.3	3.0	0.0	8.5	2.4	0.6	0.0	0.0	0.0	0.0	0.0	15.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Lythrum salicaria	0.0	0.0	0.0	1.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Matricaria inodora	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
Melica uniflora	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mentha aquatica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0
Mentha longifolia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0
Mentha piperita agg.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mercurialis perennis	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Milium effusum	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Moehringia trinerva	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Molinia caerulea	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myosotis palustris	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.4	0.0	0.0	0.0	0.9	0.0	0.0	0.0
Myosoton aquaticum	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0
Myriophyllum spicatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.4
Nuphar lutea	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	277.8	0.0	312.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxalis acetosella	0.7	0.0	0.0	0.0	0.0	41.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Papaver cf. *rhoeas*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Persicaria amphibia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0
Petasites albus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites hybridus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.5	40.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phalaris arundinacea	53.5	112.9	86.1	190.0	176.8	0.0	215.0	64.7	57.2	56.0	66.5	18.2	101.7	2.6	75.5	25.0	57.4	45.6	0.0	10.9	64.8	7.8	99.3	5.9
Phleum pratense	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
Phragmites australis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5	0.0	0.0	24.4	0.0	0.0	0.0	0.0	0.0	0.0
Phyteuma nigrum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phyteuma spicatum	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plantago intermedia	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plantago lanceolata	0.0	0.0	0.1	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.4	0.0	0.0	0.0
Poa annua	1.8	0.0	0.1	0.0	0.0	0.0	0.0	0.7	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	1.1	0.4	0.0	0.0	0.0
Poa nemoralis	33.6	11.3	2.5	0.0	1.3	0.0	10.0	8.8	35.4	97.7	0.0	0.0	0.2	0.0	0.0	11.0	12.6	0.6	0.0	0.0	0.4	0.0	1.2	0.0
Poa palustris	9.4	0.0	0.6	0.0	0.0	1.0	0.0	16.1	1.2	10.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	2.6	0.0	0.0	1.1	0.0	0.0	0.0
Poa pratensis	0.0	0.0	0.0	1.0	1.3	0.0	37.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.4	0.0	19.9	0.0
Poa trivialis	17.6	0.0	0.0	0.0	0.0	0.0	0.0	15.3	10.2	9.6	12.6	0.0	0.0	0.0	0.0	2.0	0.0	21.7	13.6	6.4	11.1	3.5	0.0	9.4
Polygonum bistorta	7.1	0.0	5.8	0.0	0.0	0.0	0.0	0.0	5.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polygonum hydropiper	0.6	0.7	0.4	1.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polygonum mite	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polygonum persicaria	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 3a (continued): Taxalists of floodplain vegetation in non-restored sections [habitat-weighted abundances per sample section]. For site names, see appendix 3c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Populus x *canadensis*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0
Potamogeton pectinatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potentilla anserina	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prunus avium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0	11.3	0.0	12.1	0.0	0.0	0.0
Prunus padus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	91.1	0.0	0.0
Prunus spinosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0
Pteridium aquilinum	0.0	0.0	0.0	0.0	0.0	165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pulmonaria officinalis	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quercus petraea	0.0	0.0	0.0	0.0	0.0	196.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Quercus robur	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.2	0.0	0.0	0.0
Ranunculus acris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ranunculus ficaria	0.0	0.0	0.3	0.0	0.0	0.0	0.0	8.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ranunculus fluitans	0.0	0.0	49.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.6	45.3	0.0	0.0	0.0	0.0	5.0	0.0
Ranunculus repens	0.6	0.0	0.1	1.3	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.6	2.9	1.1	1.3	0.1	1.2	10.7
Reynoutria japonica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes rubrum	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	12.8	0.0	0.0
Rorippa palustris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rorippa x anceps	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa canina agg.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus caesius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.6	0.0	0.0	0.0	0.0	0.0
Rubus fruticosus agg.	72.4	0.0	0.0	0.0	0.0	30.0	0.0	0.0	43.8	12.4	4.2	0.0	0.0	0.0	0.0	71.0	0.0	0.0	148.1	0.0	1.5	38.1	0.0	0.0
Rubus idaeus	0.0	0.0	0.1	0.0	0.0	31.0	15.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
Rubus Sec. *corylifolii*	0.0	1.9	0.0	10.8	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.3	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rumex acetosa	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
Rumex crispus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0
Rumex obtusifolius	0.0	0.0	0.0	2.6	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	1.6	0.0	
Rumex sanguineus	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salix alba	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.6	0.0	0.0	0.0	0.0
Salix caprea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0
Salix cinerea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0
Salix fragilis	29.5	0.0	31.0	279.0	240.6	0.0	0.0	118.5	151.1	28.1	149.5	0.0	2.2	57.0	0.0	30.0	0.0	2.4	0.0	0.0	0.0	0.0	138.8	0.0
Salix purpurea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.8	0.0	0.0	0.0
Salix viminalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101.3	48.0	0.0	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salix x reichhardtii	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.4	8.8	0.0	0.0
Salix x rubens	0.0	211.9	0.0	0.0	0.0	0.0	151.0	0.0	0.0	0.0	0.0	0.0	22.6	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0
Sambucus nigra	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.2	0.0	0.0	50.0	0.0	0.0	17.0	0.0	0.0	1.0	0.0	0.0
Sambucus racemosa	0.0	0.0	0.0	0.0	0.0	25.0	0.0	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saponaria officinalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.8	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Scheuchzeria palustris	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scrophularia nodosa	0.0	0.0	0.0	0.0	0.0	1.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.5
Scrophularia umbrosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0
Scutellaria galericulata	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0
Senecio fuchsii	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Silene dioica	2.4	0.7	4.5	1.3	1.3	0.0	11.0	10.5	9.5	42.6	0.0	0.0	0.0	0.0	0.0	7.0	3.8	1.5	0.0	0.0	10.5	0.0	0.0	0.0
Sisymbrium officinale	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solanum dulcamara	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sonchus asper	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sonchus oleraceus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sorbus aucuparia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0
Sorbus x pinnatifida	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	0.0	0.0	0.0	0.0
Sparganium emersum	0.0	0.0	0.0	0.0	33.2	0.0	0.0	0.0	0.0	0.0	0.0	14.1	12.2	52.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sparganium erectum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	0.0	0.0
Spiraea sp.	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spirodela polyrhiza	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stachys palustris	0.0	0.0	7.7	1.0	0.0	1.0	0.0	4.4	0.0	0.6	1.3	0.0	0.0	0.3	0.0	0.0	0.6	0.0	0.0	1.1	0.0	0.0	0.0	0.0
Stachys sylvatica	0.6	0.0	0.3	0.0	0.0	1.0	4.0	0.7	3.6	12.4	0.0	0.0	0.0	0.0	0.0	5.0	9.5	0.0	5.2	0.0	0.0	0.0	2.8	0.0
Stellaria holostea	0.7	0.0	0.0	0.0	0.0	1.0	0.0	11.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stellaria media	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stellaria nemorum	15.3	3.8	40.3	15.6	37.9	0.0	102.0	24.8	65.0	18.9	0.6	0.0	0.0	0.0	0.0	25.0	41.8	0.0	0.0	0.0	0.0	0.0	2.8	0.0
Symphytum officinalis	0.0	1.3	9.8	0.0	0.0	0.0	0.0	2.5	5.1	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	0.0	0.0	2.7	0.0	0.0	0.0
Tanacetum vulgare	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
Taraxacum officinale agg.	0.0	0.0	0.0	1.0	1.3	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.7	0.7	1.2	0.0

Appendix 3a (continued): Taxalists of floodplain vegetation in non-restored sections [habitat-weighted abundances per sample section]. For site names, see appendix 3c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Thlaspi arvense	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trifolium pratense	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trifolium repens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.4	0.0	0.0
Typha latifolia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Urtica dioica	15.9	67.8	72.9	174.1	70.7	1.0	115.0	151.6	97.6	64.1	268.8	134.1	87.8	289.0	50.7	85.0	147.9	61.9	167.0	166.1	119.1	30.9	128.9	100.4
Valeriana excelsa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Valeriana officinalis agg.	17.6	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Verbascum nigrum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.1	0.0	0.0	0.0
Veronica chamaedrys	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Viburnum opulus	7.1	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	0.0	0.0	0.0
Vicia cracca	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	3.6	0.0	0.5	0.0
Vicia hirsuta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.7	0.0	0.0	0.0
Vicia sepium	0.0	0.0	0.1	0.0	0.0	0.0	1.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.8	0.0	0.4	0.0	0.0	0.0
Viola reichenbachiana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viola riviniana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 3b: Taxalists of floodplain vegetation in restored sections [habitat-weighted abundances per sample section]. For site names, see appendix 3c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Acer campestre	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acer pseudoplatanus/platanoides	21.0	4.1	0.2	0.0	0.0	0.0	0.0	0.3	0.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.1	0.0	0.0
Achillea millefolium	0.0	0.0	0.2	1.2	0.0	0.0	0.0	0.3	0.1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	5.7	3.0	0.0	0.0	0.4
Achillea ptarmica	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aconitum napellus	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adoxa moschatellina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aegopodium podagraria	22.7	3.4	19.6	0.9	4.4	0.0	2.5	9.6	23.3	11.7	1.7	0.0	0.5	0.0	0.3	39.3	21.3	0.2	3.5	0.0	1.1	0.3	2.9	0.0
Agrimonia eupatoria	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agropyron caninum	14.5	63.2	0.0	0.7	0.0	0.0	1.8	0.2	1.7	7.1	0.4	0.0	0.0	0.0	0.0	43.2	0.0	0.0	0.0	0.0	0.0	0.0	55.8	0.0
Agrostis gigantea	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Agrostis stolonifera	1.3	19.8	3.6	74.0	23.7	7.4	73.8	0.9	6.8	3.7	12.0	6.8	4.1	22.6	97.0	7.5	1.8	21.2	71.1	22.6	3.4	8.0	90.1	72.0
Agrostis tenuis	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.5	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.0	5.0	0.0	38.2	2.2	2.2	29.4	12.5
Ajuga reptans	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alchemilla vulgaris agg.	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alisma plantago-aquatica	0.0	0.0	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0
Alliaria petiolata	8.5	15.8	5.7	1.6	3.7	0.0	1.0	8.9	1.3	4.2	0.0	0.0	1.3	0.2	2.3	29.6	14.1	3.6	9.5	0.5	0.2	0.0	4.9	0.0
Alnus glutinosa	74.4	148.2	8.1	0.8	0.0	183.3	1.5	23.0	27.6	62.8	0.0	0.0	73.0	0.0	0.9	257.1	206.6	2.8	50.4	24.6	56.2	180.4	274.3	0.0
Alopecurus geniculatus	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alopecurus myosuroides	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Alopecurus pratensis	0.0	0.0	34.2	0.4	0.0	0.0	1.8	1.3	25.5	5.9	0.0	0.0	0.0	0.2	0.3	0.0	3.6	1.0	0.0	0.0	0.0	1.2	0.0	0.0
Amaranthus lividus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone nemorosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Angelica sylvestris	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0
Anthoxanthum odoratum	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anthriscus sylvestris	1.6	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.2	0.0	0.0	0.0	0.0	0.0
Apera spica-venti	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arabis turrita	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
Arctium lappa/nemorum/tomentosum	0.0	0.0	0.0	3.5	0.0	0.0	0.3	0.5	0.9	0.9	4.5	0.0	0.0	0.0	0.0	0.0	0.4	0.0	3.2	0.6	0.0	0.0	4.9	0.1
Arrhenatherum elatius	0.0	0.0	13.5	0.0	0.0	0.7	2.5	19.2	6.5	10.2	1.0	79.1	18.3	0.0	2.1	23.0	5.0	18.3	21.2	102.7	7.8	1.2	2.0	24.2
Artemisia vulgaris	1.6	4.5	3.4	3.5	1.9	0.2	0.3	4.5	1.6	10.7	4.5	0.0	0.0	5.1	1.3	0.0	0.4	7.7	3.4	2.1	1.5	0.0	0.0	3.2
Athyrium filix-femina	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atriplex hastata	0.0	0.0	0.0	0.5	11.8	0.0	0.0	0.4	0.0	4.8	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Atriplex nitens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atriplex patula	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.1	0.0	0.0	0.0
Barbarea intermedia	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.5	0.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbarea stricta	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.8	1.3	1.6	1.7	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbarea vulgaris	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.8	1.2	0.9	1.1	0.0	0.0	0.0	0.0	0.0	0.1	0.9	0.4	0.6	0.4	0.0	0.0	0.0
Berula erecta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Betula pendula	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.1	0.0	0.0
Bidens c.f. *frondosa*	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bidens c.f. *tripartitae*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.4	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.1	0.0	0.0	1.7
Brachypodium sylvaticum	1.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.6	0.1	0.0	0.0	2.0	0.0
Brachythecium rivulare	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brassica napus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Bromus hordeaceus	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Bromus inermis	0.0	0.0	0.0	0.8	16.2	0.0	0.0	2.2	0.0	0.1	0.0	1.1	4.9	0.0	5.2	0.0	0.0	7.0	1.9	0.0	0.0	0.0	0.0	0.6
Bryonia dioica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bryophyta sp.	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bunias orientalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Butomus umbellatus	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calamagrostis epigejos	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	0.0	0.0	0.0	0.0
Calla palustris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0
Callitriche platycarpa	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Callitriche spec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	0.2	0.0	0.0	0.0	0.2	0.0	2.1	0.4	2.7	0.0	9.8
Caltha palustris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calystegia sepium	0.3	11.6	0.8	1.6	13.7	0.0	18.3	1.7	0.8	2.7	4.7	11.3	22.4	50.1	6.3	1.4	1.3	1.5	5.0	9.0	18.0	1.7	40.2	6.9
Campanula latifolia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campanula rapunculus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capsella bursa-pastoris	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.3	0.1	1.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Cardamine amara	0.0	0.0	0.7	0.0	0.0	2.3	0.0	0.7	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Cardamine flexuosa	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0
Cardamine pratensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 3b (continued): Taxalists of floodplain vegetation in restored sections [habitat-weighted abundances per sample section]. For site names, see appendix 3c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Carduus crispus	0.0	4.1	0.0	0.0	1.6	0.0	0.0	0.0	1.3	1.6	3.4	0.0	0.0	9.6	0.0	0.0	2.4	0.9	0.0	1.1	2.6	0.0	2.0	0.6
Carex c.f. *acutiformis*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.0	0.0	0.0
Carex canescens	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex hirta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	10.3	7.8	0.0	0.0	0.0	0.0
Carex leporina	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex pseudocyperus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Carex remota	0.0	0.0	0.0	0.5	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex sylvatica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carpinus betulus	85.6	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	0.0	0.0	7.7	38.3	0.0	0.0	0.0
Centaurea cyanus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centaurea jacea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.1	0.0	0.0	0.0
Cerastium holosteoides	0.0	0.0	0.2	0.7	0.0	0.2	0.7	0.1	0.1	0.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.4	0.0	1.3
Ceratophyllum demersum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.9	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chaenorhinum minus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Chaerophyllum bulbosum	0.0	0.0	0.0	0.8	0.9	0.0	0.0	7.1	2.1	4.1	1.8	7.9	0.8	11.3	0.0	0.0	2.0	0.0	0.6	0.0	0.0	0.0	6.9	0.0
Chaerophyllum hirsutum	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chaerophyllum temulum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	0.0	0.5	0.0	0.0	0.0
Chamomilla suaveolens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chenopodium album	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.4	0.1	0.0	0.0	0.1
Chenopodium ficifolium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chenopodium glaucum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chenopodium polyspermum	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.8	0.4	0.9	25.6	0.0	0.0	0.0	0.0	0.0	0.2	1.9	0.0	1.0	0.7	0.0	0.0	0.0
Chenopodium rubrum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chenopodium sp.	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrysanthemum leucanthemum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrysosplenium alternifolium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
Circaea intermedia	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Circaea lutetiana	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cirsium arvense	0.0	0.0	0.8	0.0	0.0	4.0	0.0	0.4	0.7	0.4	12.8	0.0	0.0	1.6	0.0	0.1	0.0	0.0	4.4	8.0	7.3	0.1	0.0	10.9
Cirsium oleraceum	0.0	0.0	2.4	0.0	0.0	0.0	3.7	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cirsium palustre	0.0	0.0	0.0	0.0	0.0	0.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	7.6	0.0	0.0
Cirsium vulgare	0.0	0.9	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6	0.0	0.0	0.1
Clematis vitalba	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Colchicum autumnale	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Conium maculatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Convolvulus arvensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Conyza canadensis	0.0	0.0	0.0	0.8	0.0	1.8	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Cornus sanguinea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	4.2	0.0	0.0
Coronopus didymus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Corylus avellana	13.3	0.0	0.0	0.0	0.0	2.3	0.0	2.1	0.0	0.0	4.3	0.0	0.0	0.0	0.0	46.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.3
Crataegus c.f. *monogyna*	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crepis biennis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crepis capillaris	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.0	1.9
Crepis paludosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Cruciata laevipes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Cuscuta europaea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0
Cynosurus cristatus	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cytisus scoparius	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Dactylis glomerata	1.2	1.7	9.8	0.5	2.1	1.4	23.5	0.7	2.6	6.7	2.7	3.4	0.8	3.5	1.7	1.1	0.2	16.1	13.7	15.2	18.0	2.7	2.0	2.5
Daucus carota	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.1	0.8	0.0	0.0	0.0
Dentaria bulbifera	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Deschampsia cespitosa	13.3	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Dipsacus fullonum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.0
Dryopteris carthusiana	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.8	0.0	0.0
Dryopteris dilatata	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0
Dryopteris filix-mas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Echinocloa crus-galii	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Elodea canadensis	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elodea nuttallii	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus repens	0.0	2.5	0.0	0.7	0.9	0.0	1.5	0.0	0.0	0.0	19.1	0.0	0.0	33.0	10.4	0.0	0.0	1.6	1.0	18.5	24.7	0.3	0.0	18.7
Epilobium adenocaulon	0.6	0.0	3.5	0.0	0.0	0.0	0.0	0.8	0.5	1.7	1.4	0.0	0.0	0.0	0.0	1.1	0.7	0.9	0.0	1.3	0.0	0.3	0.0	0.0
Epilobium angustifolium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0

Appendix 3b (continued): Taxalists of floodplain vegetation in restored sections [habitat-weighted abundances per sample section]. For site names, see appendix 3c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Epilobium c.f. *lamyi*	0.3	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium c.f. *roseum*	0.0	0.0	0.0	0.9	2.8	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	2.9	0.0
Epilobium c.f. *tetragonum*	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.4	1.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.9	0.0	1.7	0.5	0.0	0.0	1.9
Epilobium hirsutum	0.0	0.0	0.0	0.0	0.0	1.8	0.0	3.2	2.1	10.1	1.0	90.4	0.0	0.0	0.0	1.4	0.5	0.9	0.0	1.9	0.0	0.0	0.0	0.0
Epilobium montanum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Epilobium obscurum	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium palustre	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium parviflorum	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	5.1
Epilobium sp.	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Epipactis helleborine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
Equisetum arvense	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.3	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.4	0.0	0.0	0.0
Equisetum palustre	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum pratense	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eragrostis c.f. *minor*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Erigeron annuus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	0.0	0.0	0.3
Erodium cicutarium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Erysimum cheiranthoides	0.0	0.0	0.7	0.0	0.0	0.0	0.0	2.2	0.0	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
Euonymus europaea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0
Eupatorium cannabinum	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.4	1.7	7.1	0.1	0.0	0.0
Fagus sylvatica	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Fallopia c.f. *dumetorum*	0.0	0.0	0.2	0.0	0.0	0.0	1.5	0.2	0.0	0.9	0.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fallopia japonica	0.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Festuca arundinacea	0.0	0.0	0.0	0.0	0.0	56.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.9	0.0	0.0	0.0	0.0	0.0	0.0
Festuca gigantea	1.9	6.3	0.0	0.7	0.0	0.0	2.2	2.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	5.4	1.2	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Festuca ovina agg.	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1
Festuca pratensis	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	0.0	1.1	5.4	25.6	2.3	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0
Festuca rubra	0.0	0.0	0.0	0.0	0.0	20.3	1.8	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.5	8.6	21.5	13.6	0.0	44.6
Filago minima	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
Filipendula ulmaria	0.9	0.8	5.6	0.0	0.0	0.0	34.0	0.0	13.8	12.7	0.0	0.0	0.6	1.6	1.4	0.0	3.7	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Fragaria vesca	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Frangula alnus	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fraxinus excelsior	77.2	4.1	0.0	0.0	0.0	0.5	0.0	0.0	117.2	2.3	0.0	5.7	4.9	0.0	93.9	119.7	0.0	0.3	0.0	0.4	18.2	26.1	93.1	1.0
Galeopsis bifida	2.6	0.0	1.0	0.0	0.0	0.0	0.0	0.1	1.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galeopsis tetrahit	0.6	2.5	0.9	0.4	1.9	0.0	5.5	0.2	0.3	3.5	0.0	6.8	0.8	1.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.0	0.0
Galinsoga ciliata	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galium album	0.0	1.7	0.0	0.2	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galium aparine	9.6	0.8	6.9	11.2	0.9	0.0	0.3	17.2	24.2	4.7	1.3	0.0	0.0	0.0	0.3	57.7	17.6	4.5	11.5	11.1	3.3	5.5	23.5	27.3
Galium mollugo	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.9	2.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.6	18.7	0.4	3.5	0.0	0.0	0.0
Galium palustre	0.0	0.0	0.7	1.6	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.5	0.0	0.0
Galium sp.	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galium verum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0
Geranium molle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Geranium palustre	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
Geranium robertianum	0.9	0.8	0.5	0.0	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geum urbanum	16.5	2.5	0.0	0.0	0.3	0.0	1.8	0.0	1.7	0.1	0.0	0.0	0.0	0.0	0.0	2.3	1.7	0.0	4.3	0.6	0.0	0.0	5.9	0.0
Glechoma hederacea	23.0	0.9	0.5	0.5	13.3	0.0	3.7	0.2	0.1	0.2	0.0	0.0	2.1	0.2	1.0	1.3	3.9	0.0	12.9	28.8	35.1	26.1	16.7	0.0
Glyceria fluitans/plicata/declinata	0.0	0.0	0.0	1.1	0.0	32.4	0.0	0.0	9.1	0.0	1.7	0.0	0.0	0.0	0.0	0.0	1.0	1.4	0.7	0.0	0.0	0.0	0.0	0.0
Gnaphalium uliginosum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Hedera helix	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
Helianthus tuberosus	0.0	0.0	29.3	31.8	0.0	0.0	0.0	0.0	2.1	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.1
Heracleum mantegazzianum	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	20.7	0.0	0.0	0.0	0.0	0.0	0.0	27.8	1.2	12.6	0.5	0.0	0.0	0.0	0.0
Heracleum sphondylium	0.6	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.0	1.1	0.6	1.8	0.0	0.0	0.5	0.0	12.3	2.2	0.5	0.0	1.0	0.0
Hesperis matronalis	5.2	3.3	0.0	0.0	0.0	0.0	0.0	2.1	16.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0
Holcus lanatus	0.0	0.0	4.1	0.2	0.3	21.0	53.0	0.1	1.5	0.5	11.2	0.0	0.0	0.0	0.0	0.0	0.0	14.9	54.1	26.3	3.1	14.5	0.0	18.0
Holcus mollis	0.0	0.0	2.8	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Humulus lupulus	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	11.4	0.6	56.5	4.9	1.6	0.0	0.0	0.0	0.0	1.6	0.6	0.0	19.1	0.0	0.0
Hydrocotyle vulgaris	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hypericum hirsutum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hypericum maculatum	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hypericum perforatum	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.2	2.9	1.1	0.0	0.0	0.0
Hypericum tetrapterum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Hypochaeris radicata	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.0	0.0	1.0

Appendix 3b (continued): Taxalists of floodplain vegetation in restored sections [habitat-weighted abundances per sample section]. For site names, see appendix 3c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Ilex aquifolium	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Impatiens glandulifera	149.4	390.0	28.4	109.5	79.6	0.0	0.0	160.4	58.9	71.2	11.9	18.1	30.2	19.3	65.5	62.0	90.2	8.3	6.7	1.9	1.8	7.8	382.0	1.3
Impatiens noli-tangere	13.9	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	11.7	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Impatiens parviflora	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iris pseudacorus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.1	0.6	0.0	1.7
Juncus acutiflorus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	0.0
Juncus articulatus	0.0	0.0	0.0	0.5	0.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.2	1.0	0.0
Juncus bufonius	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.0	0.0	0.0
Juncus bulbosus	0.0	0.0	0.0	0.0	0.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Juncus conglomeratus	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
Juncus effusus	0.0	0.0	0.0	1.9	0.0	287.6	1.5	0.3	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	2.0	16.7	0.0	1.4
Juncus inflexus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.7	0.0	0.0	0.0
Knautia arvensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lactuca serriola	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3
Lamiastrum galeobdolon	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lamium album	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	4.1	0.8	0.0	0.0	0.0	17.4	0.0	0.0	1.6	0.0	1.9	0.0	0.0	0.0	0.0	0.0
Lamium maculatum	0.6	6.6	0.0	0.7	0.9	0.0	1.8	3.7	1.7	6.9	0.0	1.1	0.0	251.7	2.0	1.3	2.7	0.0	0.0	0.0	9.7	0.0	20.6	0.4
Lamium purpureum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lapsana communis	0.3	0.8	0.0	0.0	0.0	0.2	0.7	0.2	0.0	0.9	2.3	0.0	0.0	0.0	0.0	1.1	0.9	1.2	0.9	0.0	0.2	0.0	1.0	0.0
Lathyrus pratensis	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
Lemna minor	0.6	0.0	0.0	1.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	0.0	77.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leontodon autumnalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leucanthemum ircutianum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0
Linaria vulgaris	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.6	0.2	0.0	0.0
Lolium multiflorum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
Lolium perenne	0.0	0.8	0.0	0.5	0.0	0.0	1.8	0.0	0.0	0.0	195.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	72.7	1.9	0.0	0.0	1.0	93.0
Lotus corniculatus	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	9.7	0.0	0.0	0.0	0.0	11.8
Lotus uliginosus	0.0	0.0	0.0	0.5	0.0	37.3	99.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	17.2	0.0	0.0
Lycopersicon sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.1	0.0	0.0	0.0	0.0
Lycopus europaeus	0.0	0.0	0.0	0.9	0.0	19.3	1.8	0.8	0.3	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.1	9.4	3.2	2.6	0.0	4.6
Lysimachia nummularia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Lysimachia vulgaris	0.0	0.0	0.2	0.0	0.9	2.6	0.0	0.5	2.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.6	0.7	0.0	0.0
Lythrum salicaria	0.0	2.5	0.2	4.0	0.3	4.4	3.3	0.4	0.0	0.1	0.0	0.0	1.4	0.0	1.7	0.0	0.2	0.9	0.6	0.2	0.4	0.6	0.0	0.0
Matricaria inodora	0.6	0.0	1.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	3.2	1.1	0.1	0.0	0.0	0.7
Matricaria maritima	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Matteuccia struthiopteris	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicago lupulina	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.1	0.0	0.0	0.0
Melilotus altissima	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Melilotus officinalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0
Mentha aquatica	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	8.2	18.8	22.7	0.0	0.0
Mentha arvensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.1
Mentha longifolia	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	3.7	0.0	0.6	0.0	0.0	0.0	2.0	0.0
Micropyrum tenellum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.3	0.0	0.0	0.0	0.0
Milium effusum	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Mimulus guttatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.1	0.0	0.0	0.0
Moehringia trinerva	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myosotis arvensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Myosotis palustris	0.0	0.0	0.5	0.0	0.0	0.0	1.5	0.6	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.2	4.1	2.7	3.8	1.6	0.0	0.0
Myosoton aquaticum	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	1.9	0.0	15.9	0.0	0.0	0.0	0.0	10.8	0.4	0.2	2.0	0.7	0.3	0.0	0.0	3.8
Myriophyllum spicatum	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
Nasturtium officinale	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.8	0.0	0.0	26.0
Nuphar lutea	0.0	0.0	0.0	0.0	67.3	0.0	0.0	0.0	0.0	0.0	0.0	78.3	107.4	4.9	58.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oenothera biennis agg.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxalis acetosella	19.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxalis europaea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Papaver cf. *rhoeas*	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Persicaria amphibia	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0
Petasites hybridus	10.8	0.0	18.1	0.0	0.0	0.0	0.0	0.5	2.8	0.9	0.0	0.0	0.0	0.0	0.0	75.4	32.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phalaris arundinacea	20.5	102.5	41.6	153.7	117.1	0.0	5.7	103.2	99.1	92.8	6.3	18.1	108.4	0.4	10.4	12.9	77.4	68.5	34.4	51.6	51.7	1.0	22.5	28.9
Phleum pratense	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.1	0.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	8.2	5.5	0.2	1.8	0.0	0.0
Phragmites australis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	93.9	0.0	0.0	0.0	0.0	0.0	0.0	13.8	0.0	0.0
Phyteuma nigrum	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 3b (continued): Taxalists of floodplain vegetation in restored sections [habitat-weighted abundances per sample section]. For site names, see appendix 3c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Picea abies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pimpinella saxifraga	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pinus sylvestris	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plagiochila major	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plantago intermedia	0.0	0.0	0.0	0.8	0.0	0.2	1.8	0.2	0.1	0.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.7	0.5	0.3	0.0	0.0	0.8
Plantago lanceolata	0.0	0.0	0.5	0.7	0.0	0.0	1.5	2.7	0.1	0.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	4.0	0.9	0.1	0.0	0.0	0.0
Poa annua	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.7	0.9	1.1	0.0	0.0	0.0	0.0	1.1	0.0	1.9	1.3	0.4	0.0	0.0	0.0	1.9
Poa compressa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Poa nemoralis	2.9	34.5	0.0	0.0	0.9	0.0	0.7	2.6	1.7	0.9	0.0	0.0	9.7	0.0	0.0	1.1	1.1	0.0	0.6	0.0	0.0	0.0	0.0	0.0
Poa palustris	0.9	0.0	1.8	0.0	0.0	0.0	0.0	1.6	18.4	4.7	1.7	0.0	0.0	0.0	0.0	0.0	5.7	3.1	4.0	1.4	0.4	0.5	0.0	0.6
Poa pratensis	0.0	0.0	0.0	0.4	2.1	0.0	110.8	0.0	2.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	19.6	0.0
Poa remota	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.7	0.0	0.0	0.0
Poa trivialis	0.0	0.0	0.7	0.0	0.0	0.7	0.0	2.7	31.9	16.2	37.5	0.0	0.0	0.0	0.0	0.0	0.2	33.8	32.5	13.8	4.5	7.1	0.0	17.4
Polygonum aviculare	0.3	0.0	0.2	0.5	0.0	0.0	0.0	0.3	0.0	0.9	9.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	0.5	0.5	0.0	0.0	0.0
Polygonum bistorta	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polygonum hydropiper	0.3	0.8	1.6	3.5	1.9	1.6	10.0	3.2	3.8	7.0	0.6	0.0	0.0	0.0	0.0	0.0	1.4	0.9	1.4	2.9	7.4	0.0	0.0	4.1
Polygonum lapathifolium	0.0	0.0	0.0	5.4	1.2	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.2	5.2	0.0	0.0	2.0
Polygonum mite	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polygonum persicaria	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.1	2.4	1.7	11.9	0.0	0.0	0.0	0.0	0.0	0.1	2.2	0.0	0.0	0.7	0.0	0.0	0.0
Populus sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Populus tremula	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0
Potamogeton pectinatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.1	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potamogetum perfoliatus	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potentilla anserina	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potentilla reptans	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0
Prunella vulgaris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Prunus avium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0
Prunus domestica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prunus padus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6	0.0	0.0
Prunus spinosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
Pteridophyta sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pulmonaria officinalis	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quercus petraea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	1.0	0.3	0.0	0.0	0.0	0.0
Quercus robur	130.6	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	32.5	0.0	0.0
Ranunculus acris	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
Ranunculus ficaria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	2.0	6.0	0.0	0.0	0.0	0.0	0.0	6.5	19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ranunculus flammula	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ranunculus fluitans	0.0	0.0	15.4	105.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	25.8	0.0	0.0	0.0	0.0	2.1	0.0
Ranunculus repens	3.8	0.0	0.7	2.9	0.0	0.0	141.5	0.1	3.0	3.7	0.0	0.0	0.0	0.0	0.0	1.1	1.1	3.9	16.0	12.1	3.2	9.1	2.0	24.0
Ranunculus sceleratus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Reseda luteola	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Reynoutria japonica	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0	0.0
Rorippa amphibia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	0.0	0.0	5.9
Rorippa austriaca	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Rorippa palustris	0.0	0.0	3.4	0.0	0.0	0.8	0.0	0.3	0.8	1.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.2	0.0	0.0	0.0	0.0
Rorippa sylvestris	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0
Rorippa x anceps	0.0	0.0	0.0	19.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa canina agg.	3.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	20.9	0.0	0.0	0.0
Rubus caesius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	0.0	1.8	6.3	0.0	0.0
Rubus fruticosus agg.	96.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	1.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	38.6	5.7	81.2	47.7	0.0	0.0
Rubus idaeus	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.9	0.0	0.0	0.0	11.8	0.0	0.0
Rubus Sec. *corylifolii*	0.0	13.6	0.0	0.0	13.3	0.0	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rumex acetosa	0.0	0.0	0.5	0.0	0.0	0.0	1.8	0.5	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.6	0.0	0.0
Rumex crispus	0.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.4	0.6	0.0	0.0	0.8
Rumex hydrolapathum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rumex obtusifolius	1.9	1.6	1.0	1.7	0.3	0.8	2.2	3.5	0.3	5.4	12.9	0.0	0.0	0.0	0.0	0.0	1.2	5.7	2.2	0.0	0.0	0.1	0.0	21.4
Rumex palustris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0
Rumex sanguineus	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.8	0.6	0.0	0.0	0.0	0.1
Sagina procumbens	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
Sagittaria sagittifolia	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salix alba	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	0.0
Salix aurita	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 3b (continued): Taxalists of floodplain vegetation in restored sections [habitat-weighted abundances per sample section]. For site names, see appendix 3c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Salix caprea	13.1	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	33.9	1.4	10.6	0.0	0.6
Salix cinerea	0.0	0.0	0.0	0.0	0.0	19.3	0.0	0.0	0.6	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	0.0	0.0
Salix fragilis	0.6	0.0	87.9	98.6	241.2	5.3	0.0	86.7	49.9	77.6	93.9	0.0	1.4	48.8	47.0	5.5	50.5	0.0	25.2	17.3	28.9	0.1	29.4	0.0
Salix purpurea	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	36.5	51.5	0.0	0.0	0.0	0.0
Salix triandra	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	0.0	0.0	0.0	0.0
Salix viminalis	0.0	0.0	8.2	0.0	0.0	0.0	0.0	6.2	16.5	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	17.2	0.0	0.0	0.0	2.0
Salix x reichhardtii	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
Salix x rubens	0.0	115.4	0.0	0.0	0.0	2.3	88.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	12.6	31.0	0.0	0.0	38.7
Sambucus nigra	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	0.0	1.5	0.0	0.0	21.5	0.0	0.0	0.0	0.0	5.2	2.6	0.0	0.2
Sambucus racemosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5
Sanguisorba major	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saponaria officinalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.2	0.0	0.0	0.0	0.0	0.0
Scheuchzeria palustris	0.6	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scirpus sylvaticus	0.0	0.0	0.0	0.5	0.0	2.1	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.4	0.3	0.0	0.0
Scrophularia nodosa	0.0	0.9	0.4	0.7	0.0	1.1	4.0	0.7	0.0	5.4	0.4	0.0	3.2	1.6	0.0	0.0	0.0	1.3	0.0	0.2	0.7	0.5	0.0	0.4
Scrophularia umbrosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.1	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	0.0	0.0	3.5
Scutellaria galericulata	0.0	0.0	0.0	0.0	0.0	1.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
Sedum acre	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
Senecio fuchsii	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Senecio inaequidens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.4	4.7	0.0	0.0	2.3
Silene dioica	1.5	1.6	0.9	0.0	1.8	0.0	5.3	1.1	7.5	4.3	0.0	0.0	0.0	0.0	0.0	2.2	1.9	0.3	0.7	0.3	2.5	0.0	1.0	0.7
Silene vulgaris	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sinapis arvensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sisymbrium officinale	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.4	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Solanum dulcamara	0.0	0.0	0.0	0.4	2.2	0.8	5.1	0.3	0.0	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.4	0.0	1.0	0.0
Solanum nigrum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Solidago canadensis	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Sonchus asper	0.0	0.0	0.0	0.0	1.2	0.0	0.3	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.2	0.1	0.1	0.0	0.0	0.6
Sonchus oleraceus	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	1.1	0.2	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sorbus aucuparia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	0.0	0.0
Sparganium emersum	0.0	0.0	0.0	0.0	20.7	0.0	0.0	0.0	0.0	0.0	0.0	60.9	0.5	13.4	67.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sparganium erectum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0
Spirodela polyrhiza	0.0	0.0	0.0	0.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	0.0	67.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stachys palustris	0.0	0.0	0.8	0.0	1.6	0.0	0.0	1.2	0.0	0.9	0.0	0.0	0.0	1.6	0.3	0.0	0.0	0.0	0.4	0.7	1.1	0.4	0.0	0.0
Stachys sylvatica	6.0	0.9	0.0	0.0	0.0	0.0	2.5	0.0	1.3	2.0	0.0	0.0	0.0	1.0	0.0	6.6	0.4	0.0	0.0	0.0	0.5	1.6	2.0	0.0
Stellaria graminea	0.0	0.0	0.5	0.0	0.0	0.0	1.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stellaria holostea	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stellaria media	0.6	0.0	1.4	0.0	0.9	0.0	0.0	0.9	0.3	2.4	0.6	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.8	0.3	0.0	0.0	0.0	0.7
Stellaria nemorum	21.3	4.2	4.0	2.9	19.7	0.0	5.7	1.7	18.5	16.5	0.6	0.0	0.0	9.4	0.0	47.9	18.8	0.0	0.0	0.0	0.0	0.0	55.8	0.0
Stellaria uliginosa	0.0	0.0	0.0	0.0	0.0	0.8	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Symphytum officinalis	2.3	16.3	8.8	0.0	0.0	0.0	0.0	6.2	5.1	5.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	4.1	0.5	0.0	0.0	0.0
Tanacetum vulgare	0.0	0.0	7.3	1.8	0.7	2.6	1.5	0.5	4.4	5.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.9	9.2	45.3	6.9	0.0	0.0	2.0
Taraxacum officinale agg.	0.0	0.8	0.4	1.2	0.9	0.0	4.0	0.1	0.1	0.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0	10.3	1.2	2.0	0.2	0.4	0.0	1.8
Thlaspi arvense	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.8	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Torilis japonica	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trifolium arvense	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0
Trifolium dubium	0.0	0.0	0.0	0.2	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.3
Trifolium hybridum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	1.3
Trifolium pratense	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.8	0.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	17.3
Trifolium repens	0.0	0.0	0.0	1.3	0.0	1.2	32.8	0.1	1.5	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.2	4.6	11.9	2.3	0.6	0.0	0.0	4.7
Trisetum flavescens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tussilago farfara	0.0	0.0	0.0	0.2	0.0	0.7	0.0	0.1	0.7	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.0	0.0	0.2	0.0	0.0	2.0
Typha latifolia	0.0	0.0	0.0	0.0	0.0	10.7	0.0	0.0	5.0	0.0	0.0	0.0	152.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Urtica dioica	40.3	39.3	65.5	96.7	112.0	0.0	5.5	164.5	79.1	24.2	68.8	158.3	115.5	255.6	31.5	191.3	172.4	24.4	49.2	76.8	202.5	69.3	54.9	54.7
Valeriana excelsa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Valeriana officinalis agg.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Valerianella locusta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Verbascum densiflorum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0
Verbascum nigrum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.1	0.0	0.0	0.0
Verbascum thapsus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Verbena officinalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Veronica anagallis-aquatica	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0

Appendix 3b (continued): Taxalists of floodplain vegetation in restored sections [habitat-weighted abundances per sample section]. For site names, see appendix 3c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Veronica arvensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Veronica beccabunga	0.0	0.0	0.0	0.5	0.0	0.0	27.4	0.0	0.6	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.5	0.4	1.0	0.0	4.9	35.2
Veronica chamaedrys	0.3	0.0	0.0	0.2	0.0	0.0	3.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Veronica montana	1.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Veronica persica	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viburnum opulus	0.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vicia cracca	0.0	0.0	0.0	1.1	0.0	0.0	1.8	0.4	0.3	0.2	0.0	0.0	0.6	2.0	0.0	0.0	0.4	0.0	2.5	0.0	0.0	0.0	0.0	0.0
Vicia hirsuta	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.3	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.0	0.0	1.4
Vicia sativa	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vicia sepium	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.2	0.1	0.6	0.0	0.0	0.0	0.0	1.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	9.8	0.0
Vicia tetrasperma	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0
Vinca minor	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viola arvensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Viola riviniana	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vulpia myuros	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 3c: Site numbers and study sites.

Site number	Stream name	Site name
1	Bröl	Waldbröl
2	Dill	Dillenburg
3	Eder	Dodenau
4	Fulda	Mecklar
5	Fulda	Niederaula
6	Gartroper	Hünxe
7	Josbach	Josbach
8	Lahn	Cölbe
9	Lahn	Ludwigshütte
10	Lahn	Wallau
11	Nette	Weißenthurm
12	Nidda	Ilbenstadt
13	Nidda	Ranstadt
14	Nidda	Bad Vilbel
15	Nidder	Altenstadt
16	Nims	Birtlingen
17	Orke	Niederorke
18	Ruhr	Arnsberg
19	Rur	Jülich
20	Rur	Körrenzig
21	Rur	Millich
22	Schwalm	Brüggen
23	Ulster	Wenigentaft
24	Wurm	Frelenberg

Appendix 4a: Habitat-weighted taxalists of carabid beetles in non-restored sections. For site names, see appendix 4c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Abax parallelepipedus	0.0	76.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8	95.9	0.0	0.0	0.0	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	133.3	0.0	0.0
Acupalpus meridianus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agonum emarginatum	0.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agonum micans	0.0	82.0	35.4	0.0	0.0	0.0	0.0	29.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agonum muelleri	47.3	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agonum thoreyi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agonum viduum	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amara convexior	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125.0	0.0	16.7	52.1	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Amara lunicollis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200.0
Amara ovata	0.0	0.0	0.0	37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amara sp.	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anisodactylus binotatus	0.0	84.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0
Bembidion articulatum	0.0	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	7.9	0.0	0.0	0.0	0.0	0.0	14.5	0.0
Bembidion biguttatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0
Bembidion decorum	0.0	59.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion dentellum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion lampros	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	235.6	0.0	0.0	16.7	0.0	0.0	0.0	29.6	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion lunulatum	0.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	31.2	95.7	0.0	0.0	0.0	0.0	0.0	0.0	66.5	0.0
Bembidion monticola	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.8	0.0
Bembidion obliquum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion properans	0.0	0.0	0.0	0.0	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion quadrimaculatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion schueppelii	0.0	0.0	35.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion tetracolum	0.0	45.2	58.5	92.7	34.9	0.0	157.5	14.6	39.2	0.0	7.2	0.0	0.0	0.0	0.0	0.0	41.8	0.0	0.9	0.0	1.6	0.0	0.0	0.0
Bembidion tibiale	0.0	23.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carabus auratus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carabus granulatus	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carabus monilis	0.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carabus problematicus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chlaenius nigricornis	0.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clivina collaris	0.0	0.0	0.0	0.0	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clivina fossor	0.0	0.0	0.0	0.0	17.5	0.0	0.0	0.0	19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dyschirius aeneus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dyschirius globosus	0.0	0.0	0.0	0.0	87.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.4	16.7	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dyschirius sp.	0.0	0.0	124.1	0.0	0.0	0.0	0.0	0.0	0.0	63.9	0.0	0.0	0.0	0.0	0.0	0.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dyschirius substriatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elaphropus parvulus	47.3	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elaphrus cupreus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elaphrus riparius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	0.0	0.0	0.0	3.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0
Elaphrus uliginosus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Harpalus affinis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Harpalus latus	0.0	0.0	0.0	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.7	0.0
Limodromus assimilis	0.0	14.5	46.0	0.0	29.7	20.9	0.0	87.7	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0
Loricera pilicornis	47.3	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.7	0.0
Nebria brevicollis	0.0	0.0	0.0	18.5	106.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	0.0	0.0	0.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Notiophilus biguttatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.7	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Notiophilus palustris	0.0	0.0	0.0	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	49.2	0.0	0.0	0.0
Ophonus laticollis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ophonus rufibarbis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.4	0.0	0.0	0.0
Oxypselaphus obscurus	0.0	0.0	46.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paranchus albipes	0.0	12.7	54.8	0.0	0.0	0.0	247.5	14.6	117.7	0.0	0.0	0.0	0.0	16.7	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paratachys bistriatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Patrobus atrorufus	0.0	0.0	0.0	0.0	0.0	0.0	7.7	14.6	0.0	0.0	0.0	0.0	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poecilus cupreus	0.0	0.0	69.1	0.0	0.0	0.0	0.0	29.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poecilus versicolor	47.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0
Pterostichus anthracinus	0.0	41.0	40.7	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pterostichus melanarius	0.0	0.0	0.0	0.0	76.9	0.0	0.0	73.1	0.0	32.0	0.0	0.0	21.8	0.0	0.0	0.0	25.2	0.0	0.0	0.0	0.0	0.0	30.8	50.0
Pterostichus nigrita	0.0	0.0	17.7	0.0	0.0	0.0	30.2	29.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pterostichus oblongopunctatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 4a (continued): Habitat-weighted taxalists of carabid beetles in non-restored sections. For site names, see appendix 4c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Pterostichus vernalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	16.7	0.0	0.0	0.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0
Syntomus truncatellus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trechus quadristriatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 4b: Habitat-weighted taxalists of carabid beetles in restored sections. For site names, see appendix 4c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Abax parallelepipedus	5.7	5.0	0.0	0.0	0.0	0.0	0.0	3.2	7.6	16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acupalpus flavicollis	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agonum emarginatum	0.0	0.0	0.0	13.9	5.3	0.3	0.0	10.2	10.5	0.0	0.0	0.0	0.0	19.9	0.0	9.0	0.0	0.0	0.0	0.0	0.0	16.6	0.7	0.0
Agonum marginatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
Agonum micans	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.9	0.0	0.0	80.3	0.0	0.0	0.0	0.0
Agonum muelleri	5.7	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	2.6	0.0	0.0	0.0	0.0
Agonum piceum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agonum viduum	0.0	0.0	4.7	0.0	5.3	0.0	0.0	6.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amara aenea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amara convexior	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amara familiaris	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amara lunicollis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amara ovata	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0
Anisodactylus binotatus	0.0	13.3	0.0	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	2.6	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Badister lacertosus	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion articulatum	0.0	0.0	0.0	0.0	20.0	0.3	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion ascendens	0.0	0.0	127.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion atrocaeruleum	0.0	0.0	213.9	0.0	0.0	0.0	0.0	39.5	68.4	252.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.7	0.0	0.0	2.3	0.0	0.0	0.0
Bembidion biguttatum	0.0	0.0	0.0	0.0	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	52.8	0.0	0.0	0.0	0.0
Bembidion decorum	5.7	72.7	167.1	0.0	0.0	0.0	0.0	149.3	23.5	198.1	0.0	0.0	0.0	0.0	0.0	11.8	39.3	30.7	0.0	11.9	6.6	0.0	55.3	0.0
Bembidion dentellum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	58.9	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion femoratum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	329.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	0.0	4.3	0.0	0.0	0.0
Bembidion fluviatile	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0
Bembidion gilvipes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion guttula	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion illigeri	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	120.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
Bembidion lampros	0.0	0.0	0.0	0.0	2.7	0.0	6.4	0.0	5.3	0.0	90.2	150.1	0.0	9.0	4.9	0.0	0.0	0.0	7.2	52.8	0.0	0.0	0.0	0.0
Bembidion lunulatum	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	0.0	569.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion millerianum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion obliquum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion obtusum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion properans	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	10.6	0.0	0.0	0.0	56.9
Bembidion punctulatum	0.0	5.2	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8	35.5	0.0	37.2	0.0
Bembidion quadrimaculatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	76.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.4	0.0	0.0	0.0	0.0
Bembidion stomoides	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion tetracolum	41.4	42.8	4.7	1.1	111.9	1.6	29.1	20.8	91.6	66.8	385.7	150.9	4.4	73.3	0.0	18.7	0.0	19.2	29.6	353.0	1.0	0.0	50.1	5.0
Bembidion tibiale	237.6	0.0	75.4	0.0	0.0	0.0	0.0	115.5	20.6	9.7	0.0	0.0	0.0	0.0	0.0	82.1	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carabus auratus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	21.0	9.7	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carabus granulatus	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Carabus monilis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0
Carabus problematicus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clivina collaris	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clivina fossor	0.0	0.0	0.0	0.0	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dyschirius aeneus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
Dyschirius agnatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0
Dyschirius globosus	0.0	80.8	0.0	0.0	30.7	0.0	0.7	0.0	0.0	0.0	0.0	20.0	0.0	0.0	62.9	0.0	0.0	0.0	0.0	16.1	0.0	0.0	0.0	0.0
Dyschirius sp.	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elaphropus parvulus	0.0	0.0	28.1	0.0	0.0	0.0	0.0	35.2	226.8	6.5	0.0	10.0	0.0	0.0	0.0	0.0	0.0	3.8	15.5	0.0	0.0	0.0	0.0	0.0
Elaphrus aureus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0
Elaphrus cupreus	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elaphrus riparius	5.7	0.0	0.0	17.1	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Harpalus affinis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0
Harpalus latus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.7	0.0	0.0	0.0
Harpalus rufipes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	25.8	0.0	0.0	0.0	0.0
Limodromus assimilis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	3.2	0.0	0.0	0.0	0.0	4.9	15.4	5.9	0.0	72.9	0.0	0.0	33.1	0.0	0.0
Lionychus quadrillum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	0.0	0.0	0.0	0.0	0.0
Loricera pilicornis	8.3	0.0	0.0	53.4	5.3	0.0	0.0	0.0	0.0	0.0	76.2	0.0	2.6	0.0	0.0	11.8	0.0	0.0	3.6	21.2	2.7	16.6	2.2	0.0
Microlestes minutulus	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nebria brevicollis	0.0	0.0	0.0	0.0	0.0	0.0	86.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 4b (continued): Habitat-weighted taxalists of carabid beetles in restored sections. For site names, see appendix 4c.

	Site number																							
Taxonname	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Notiophilus biguttatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
Notiophilus palustris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Omophron limbatum	0.0	0.0	0.0	0.0	71.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5	0.0
Ophonus laticollis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxypselaphus obscurus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0	52.8	0.0	16.6	0.0	0.0
Panagaeus cruxmajor	0.0	0.0	0.0	0.0	0.0	95.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paranchus albipes	0.0	45.6	23.4	0.0	5.3	0.0	0.0	59.4	0.0	22.6	4.7	0.0	0.0	39.8	0.0	57.9	259.4	19.2	32.5	2.0	7.7	0.0	9.3	0.0
Paratachys bistriatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Patrobus atrorufus	0.0	0.0	0.0	0.0	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.5	0.0	0.0
Poecilus cupreus	0.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0	10.5	19.5	0.0	80.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0
Poecilus versicolor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.9	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0
Pterostichus anthracinus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.8	36.2	0.0	0.0	0.0	0.0	0.0	1.4	0.0
Pterostichus melanarius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	19.5	0.0	10.0	7.1	0.0	9.7	9.0	1.6	0.0	0.0	5.2	2.7	144.4	0.0	0.0
Pterostichus niger	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pterostichus nigrita	0.0	1.8	4.7	0.0	2.7	1.2	6.4	3.2	47.3	16.2	0.0	0.0	0.0	0.0	0.0	0.0	45.1	0.0	0.0	2.0	0.0	16.6	0.7	0.0
Pterostichus oblongopunctatus	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pterostichus strenuus	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pterostichus vernalis	0.0	0.0	70.7	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.2	0.0	3.6	0.0	0.0	0.0	0.0	0.0
Stenolophus teutonus	0.0	0.0	0.0	1.1	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stomis pumicatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0
Syntomus foveatus	0.0	0.0	0.0	0.0	0.0	95.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Syntomus truncatellus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
Trechus obtusus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trechus sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 4c: Site numbers and study sites.

Site number	Stream name	Site name
1	Bröl	Waldbröl
2	Dill	Dillenburg
3	Eder	Dodenau
4	Fulda	Mecklar
5	Fulda	Niederaula
6	Gartroper	Hünxe
7	Josbach	Josbach
8	Lahn	Cölbe
9	Lahn	Ludwigshütte
10	Lahn	Wallau
11	Nette	Weißenthurm
12	Nidda	Ilbenstadt
13	Nidda	Ranstadt
14	Nidda	Bad Vilbel
15	Nidder	Altenstadt
16	Nims	Birtlingen
17	Orke	Niederorke
18	Ruhr	Arnsberg
19	Rur	Jülich
20	Rur	Körrenzig
21	Rur	Millich
22	Schwalm	Brüggen
23	Ulster	Wenigentaft
24	Wurm	Frelenberg

Appendix 5a: Aquatic mesohabitats in restored sections of the Ruhr river [%].
Samples are quoted with the sample code 'sample section_year of investigation'.

	Samples																				
Aquatic mesohabitat	**N1_2009**	**N1_2010**	**N1_2011**	**N1_2012**	**Y1_2008**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y1_2012**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y2_2012**	**Y3_2010**	**Y3_2011**	**Y3_2012**	**N2_2009**	**N2_2010**	**N2_2011**	**O1_2009**	**O1_2010**	**O1_2011**
Main channel	100	100	100	100	77.8	89.5	88.9	87.9	89.6	53.6	51.7	46.9	52.4	56.2	74.2	71.8	100	100	100	74.7	74.2	73.7
Secondary channel	0	0	0	0	6.1	1.5	1.6	3.2	4.6	46.4	48.3	47.7	46.2	41.4	25.2	27.3	0	0	0	22.7	24.9	23.7
Connected sidearm	0	0	0	0	4.4	6.9	4.4	3.2	0	0	0	4.2	0.9	0.7	0	0.9	0	0	0	1.7	0	0
Disconnected sidearm	0	0	0	0	5.9	0	2.3	4.9	5.8	0	0	0	0	0	0	0	0	0	0	0	0	0
Permanent standing water body	0	0	0	0	0	0	0	0	0	0	0	1.2	0.5	1.7	0.6	0	0	0	0	0.9	0.9	2.1
Temporary standing water body	0	0	0	0	5.7	2.1	2.9	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5

Appendix 5b: Aquatic microhabitats in restored sections of the Ruhr river [%].
Samples are quoted with the sample code 'sample section_year of investigation'.

	Samples																				
Aquatic microhabitat	**N1_2009**	**N1_2010**	**N1_2011**	**N1_2012**	**Y1_2008**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y1_2012**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y2_2012**	**Y3_2010**	**Y3_2011**	**Y3_2012**	**N2_2009**	**N2_2010**	**N2_2011**	**O1_2009**	**O1_2010**	**O1_2011**
Technolithal	19.0	16.0	17.0	22.0	17.0	7.0	13.0	8.0	15.0	4.0	0.0	3.0	7.0	0.0	0.0	1.0	15.0	22.0	24.0	14.0	13.0	8.0
Mesolithal	77.0	81.0	66.0	64.0	74.0	81.0	70.0	77.0	71.0	63.0	65.0	72.0	60.0	78.0	79.0	63.0	81.0	65.0	58.0	64.0	63.0	67.0
Microlithal	0.0	3.0	0.0	2.0	4.0	9.0	15.0	0.0	8.0	23.0	19.0	0.0	9.0	17.0	2.0	5.0	1.0	13.0	1.0	7.0	19.0	10.0
Akal	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0
Psammal	4.0	0.0	9.0	3.0	5.0	0.0	1.0	3.0	1.0	1.0	2.0	1.0	2.0	0.0	1.0	4.0	3.0	0.0	4.0	5.0	1.0	4.0
Argyllal	0.0	0.0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	8.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CPOM	0.0	0.0	0.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
FPOM	0.0	0.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	8.0	14.0	1.0	2.0	3.0	1.0	0.0	0.0	0.0	2.0	4.0	4.0	5.0
LPTP	0.0	0.0	0.0	3.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	10.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Submerged macrophytes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	10.0	0.0	1.0	22.0	0.0	0.0	2.0	1.0	0.0	2.0
Xylal	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0
Algae	0.0	0.0	4.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	3.0	0.0	0.0	15.0	0.0	0.0	0.0	9.0	0.0	0.0	4.0

Appendix 5c: Riparian mesohabitats in restored sections of the Ruhr river [%].
Samples are quoted with the sample code 'sample section_year of investigation'.

	Samples																						
Riparian mesohabitat	**N1_2009**	**N1_2010**	**N1_2011**	**N1_2012**	**Y1_2008**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y1_2012**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y2_2012**	**Y3_2010**	**Y3_2011**	**Y3_2012**	**N2_2009**	**N2_2010**	**N2_2011**	**O1_2008**	**O1_2009**	**O1_2010**	**O1_2011**
Artificial embankment	13.8	17.4	16.7	3.3	1.2	2.3	2.1	0.6	1.5	1	0.7	0.8	0.6	0	0	0	30.3	24.8	19.5	2.3	2.4	2.5	1.7
Herbaceous bank	29.5	43.5	24.4	26.9	27.7	23.8	32.5	26.8	19.4	18.1	15.3	19.5	13.1	7.7	48.6	33.7	0	5.8	25.1	2.2	8.4	6.2	15.2
Woody bank	15.9	7.1	22.1	2.1	2.6	1.1	0.8	9.5	11	0	0	0	0.8	6.4	6.5	15.4	3.1	0	14.2	0.0	0.3	0.4	3
Herbaceous embankment	9.5	14.9	16.3	40.9	23.1	18.1	22.6	11.1	11.9	20.5	22.6	6.7	13.7	6.2	11	21.4	44.5	43.3	31.2	2.4	2.3	3.1	3.6
Woody embankment	19.9	13.2	17.9	24.1	4	2.7	4.1	2.5	4.8	3.5	2.6	3.5	6.3	1.9	3.5	0	22.1	26.1	9	3.7	4.1	4.7	2.7
Floodplain	0	0	0	0	0	11.6	12.1	6.6	5.9	2.6	1.9	0.5	8.1	1.2	0.9	1.8	0	0	0	0.0	1.2	1.9	3
Herbaceous island	0	0	0	0	14.4	15.3	8.7	1.7	6.1	45.9	40.5	42.1	37.3	12.5	9.2	11.9	0	0	0	82.0	80.9	73.2	47.2
Woody island	0	0	0	0	8.4	3.9	4.6	9.2	7.5	2.4	1.6	4.2	4.2	0	2	1.4	0	0	0	0.0	0	5.1	8.1
Bar	11.3	2.4	2.3	2.7	15.7	20.4	10.1	31.0	30.6	4.2	9.6	15.7	10.2	64.0	16.3	14.0	0.0	0.0	0.0	6.3	0.4	1.4	14.3
Eroding cliff	0	1.5	0.2	0	2.8	0.9	2.5	1	1.5	1.8	5.2	7.1	5.7	0	2.1	0.4	0	0	1.1	1.0	0.1	1.6	1.2

Appendix 5d: Riparian microhabitats in restored sections of the Ruhr river [%].
Samples are quoted with the sample code 'sample section_year of investigation'.

	Samples																						
Riparian microhabitat	**N1_2009**	**N1_2010**	**N1_2011**	**N1_2012**	**Y1_2008**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y1_2012**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y2_2012**	**Y3_2010**	**Y3_2011**	**Y3_2012**	**N2_2009**	**N2_2010**	**N2_2011**	**O1_2008**	**O1_2009**	**O1_2010**	**O1_2011**
Technolithal	10.8	17.4	19.5	6.1	4.3	3	4.8	6.1	3.3	1.2	2.3	1.7	1.7	0	0	0	30.3	24.8	23.2	2.5	2.4	2.8	1.7
Mesolithal	15.8	14.5	7.8	2.4	60.1	56.4	72.2	61	55.7	60.2	63.2	70.6	56.3	84.1	84.8	56.7	0	10.8	0	27.2	26.2	28.0	42.9
Mikrolithal	0.8	0	0	0	15.2	13.9	4.7	8.6	5.2	4.2	3.6	1.6	7.7	4	4.4	5.6	0	0	0	1.6	1.4	3.5	7.5
Akal	0	0	0	4.7	1.8	2.3	0.4	0.3	0	0	0.2	0	0	0.8	1.1	0	0	0	0	0	0	0	0
Psammal	0	0.5	8.2	8.1	2.2	2.7	3.5	11.3	5.1	0	0	1.6	4.3	1.3	0	1.8	0	0	0	0.9	0	1.4	22.6
Argyllal	72.6	67.6	64.5	78.6	13.2	16.2	14.2	12.7	28.6	31.8	26.8	24.4	29.7	8	8.2	33.6	69.7	64.4	75.9	66.8	68.8	62.5	23.9
CPOM	0	0	0	0	0	0	0	0	1.8	0	0	0	0.3	0	0	0.9	0	0	0	0	0	0.0	0
FPOM	0	0	0	0	3.2	5.5	0.2	0	0.1	2.6	3.9	0	0	1.4	0.9	1	0	0	0	1	1.2	1.9	1.4
Xylal	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	0.6	0.3	0	0	0.9	0	0	0	0

Appendix 6a: Taxalists of benthic invertebrates in the Ruhr river sections [individuals per m²].

Samples are quoted with the sample code 'sample section year of investigation'.

	Samples																					
Taxonname	**N1_2009**	**N1_2010**	**N1_2011**	**N1_2012**	**Y1_2008**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y1_2012**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y2_2012**	**Y3_2010**	**Y3_2011**	**Y3_2012**	**N2_2009**	**N2_2010**	**N2_2011**	**O1_2009**	**O1_2010**	**O1_2011**
Agapetus ochripes	0.0	7.2	0.0	0.0	4.8	0.0	5.6	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	12.0	0.0
Allogamus auricollis	19.2	0.0	0.0	16.0	0.0	0.8	20.0	0.0	0.0	0.0	4.8	4.0	0.0	5.6	0.0	0.0	3.4	0.8	9.6	10.4	0.0	4.8
Anabolia nervosa	1.6	0.8	0.0	28.0	0.0	0.0	4.8	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.8
Ancylus fluviatilis	5.6	0.0	0.0	0.0	0.0	10.4	0.0	0.0	24.0	5.6	4.8	0.0	20.0	0.0	9.6	33.6	17.1	0.0	0.0	5.6	0.0	0.0
Anomalopterygella chauviniana	0.0	0.0	8.8	8.8	0.0	0.0	9.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	4.8	4.8	0.0	0.0	0.0
Antocha sp.	4.8	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	0.0	2.4	0.0	0.0	0.0	0.0
Aphelocheirus aestivalis	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0
Asellus aquaticus	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	4.8	0.0	0.0	0.0	0.0	0.0	6.4	4.8	0.0	0.0	0.0	0.0	18.8	0.0
Atherix/Ibisia sp.	9.6	2.4	0.0	12.0	6.0	0.8	44.8	24.8	0.0	9.6	28.8	20.0	20.0	0.0	20.0	9.6	0.0	12.0	14.4	0.0	6.0	4.8
Athripsodes albifrons	72.0	72.8	48.0	60.0	0.0	76.8	62.4	0.0	62.4	9.6	43.2	4.0	28.8	76.8	24.0	44.0	76.2	45.6	52.8	86.4	39.0	33.6
Athripsodes cinereus	28.8	28.8	40.0	32.0	0.0	4.8	4.8	14.4	9.6	19.2	0.8	0.0	0.0	0.0	4.8	4.8	10.3	0.0	9.6	0.0	6.0	0.0
Baetis fuscatus/scambus	28.8	20.0	37.6	13.3	10.8	9.6	29.6	72.8	12.0	48.0	33.6	6.4	0.0	6.4	20.0	0.0	21.4	9.6	20.0	0.0	6.0	4.8
Baetis rhodani	43.2	10.4	36.8	10.7	0.0	39.2	26.4	93.6	84.0	36.0	24.0	32.8	31.2	14.4	14.4	24.0	13.7	8.8	9.6	31.2	24.8	40.8
Baetis sp.	81.6	2.4	28.0	0.0	3.6	9.6	4.8	48.0	0.0	72.8	0.8	40.0	76.8	9.6	19.2	24.0	34.3	0.0	72.0	5.6	15.0	24.0
Baetis vernus	0.0	0.0	0.0	0.0	0.0	0.0	28.8	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Caenis beskidensis/pseudorivulorum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Caenis luctuosa/macrura	9.6	50.4	173.6	224.0	0.0	9.6	4.8	43.2	322.3	24.0	38.4	28.0	134.4	9.6	86.4	241.6	13.7	2.4	57.6	15.2	6.0	19.2
Caenis rivulorum	0.0	2.4	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calopteryx splendens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centroptilum luteolum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
Ceraclea dissimilis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chaetopteryx villosa villosa	1.6	2.4	0.0	0.0	0.0	0.0	14.4	0.0	0.0	9.6	0.0	0.0	0.8	0.0	0.0	0.0	13.7	0.0	0.0	0.8	3.0	1.6
Chaoboridae Gen. sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chelifera sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	4.8	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0
Cheumatopsyche lepida	4.8	0.0	4.0	12.0	0.0	0.0	0.0	0.0	4.8	0.0	9.6	0.0	9.6	0.0	9.6	26.4	0.0	4.8	0.8	0.0	3.0	0.0
Chironomidae Gen. sp.	172.8	129.6	0.0	80.0	72.0	707.2	428.0	0.0	144.0	432.0	388.8	6.4	192.0	245.6	4.8	202.4	150.9	98.4	0.0	475.2	231.0	19.2
Chironomini Gen. sp.	31.2	14.4	204.0	124.8	188.0	44.8	124.8	327.2	1051.2	78.4	220.8	768.0	350.4	393.6	836.8	509.6	68.6	2.4	179.2	0.0	3.0	248.0
Ceratopogoninae Gen. sp.	9.6	7.2	0.0	4.0	1.2	14.4	4.8	0.0	0.0	4.8	9.6	12.0	4.8	9.6	0.0	9.6	0.0	2.4	4.8	0.0	3.0	9.6
Tanypodinae Gen. sp.	110.4	21.6	260.0	80.0	22.2	178.4	57.6	124.8	144.0	38.4	84.8	128.0	52.8	100.8	134.4	43.2	65.1	21.6	134.4	72.0	36.0	52.8
Tanytarsini Gen. sp.	81.6	2.4	48.8	16.0	22.2	249.6	9.6	72.0	43.2	110.4	43.2	92.8	0.0	57.6	96.0	4.8	24.0	9.6	43.2	81.6	0.0	10.4
Corixidae Gen. sp.	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	19.2	0.0	0.0	2.4	0.0	0.0	14.4	4.8	0.0	0.0	0.0	0.0	3.0	0.0
Dicranota sp.	57.6	2.4	24.0	12.0	1.2	9.6	24.0	14.4	4.8	19.2	48.0	20.0	28.8	4.8	9.6	0.0	3.4	4.8	0.8	19.2	30.0	24.0
Dina lineata	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0
Dugesia gonocephala	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0
Ecdyonurus venosus -Gr.	16.0	11.2	88.8	43.2	5.2	21.6	16.0	247.2	111.2	50.4	11.2	20.8	30.4	32.8	40.8	24.8	23.0	51.2	89.6	6.4	19.0	41.6
Echinogammarus berilloni	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	12.0	0.0	63.2	142.4	242.4	42.7	58.4	238.4	201.6	58.6	159.2
Eiseniella tetraedra	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0
Elmis aenea/maugetii/rietscheli/ rioloides Ad.	4.8	0.0	0.8	0.0	0.0	0.0	0.8	0.8	0.0	4.8	9.6	8.0	0.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6
Elmis sp. Lv.	86.4	28.0	20.0	16.0	1.2	91.2	50.4	4.8	4.8	38.4	19.2	4.0	28.8	33.6	10.4	43.2	51.4	4.8	72.0	149.6	24.0	48.0
Enoicyla pusilla	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
Ephemera danica	0.0	0.8	0.8	4.8	0.0	1.6	0.0	0.0	0.0	4.8	0.8	0.8	0.0	5.6	5.6	20.0	3.4	0.0	0.8	0.0	6.8	7.2
Erpobdella octoculata	15.2	5.6	0.0	4.0	0.0	9.6	40.0	0.0	4.8	9.6	20.0	0.0	4.8	9.6	5.6	20.0	10.3	0.0	0.0	0.0	18.0	0.0
Erpobdella vilnensis	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Esolus parallelepipedus Ad.	19.2	4.8	0.0	4.0	2.4	10.4	19.2	28.8	43.2	19.2	15.2	0.0	9.6	0.0	19.2	4.8	6.9	2.4	33.6	43.2	0.0	96.0
Esolus sp. Lv.	120.8	21.6	40.0	95.4	19.2	255.2	63.2	144.0	235.2	91.2	158.4	84.0	148.8	67.2	62.4	81.6	48.0	4.8	115.2	9.6	18.0	129.6
Gammarus pulex	10.4	21.6	4.0	17.4	0.8	255.2	44.0	0.0	10.4	24.0	20.0	0.0	10.4	0.0	0.0	4.8	17.1	0.0	0.0	0.0	0.0	0.0
Glossiphonia complanata	4.8	0.0	0.0	4.0	0.0	4.8	0.0	0.0	0.0	48.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glossiphonia nebulosa	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glossiphonia verrucata	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glossosoma bolloni	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0
Goera pilosa	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0
Halesus digitatus/tesselatus	0.8	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0	0.0	2.4	0.0	0.0	0.8	0.0
Helobdella stagnalis	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0
Hemerodromia sp.	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0
Hydraena gracilis Ad.	4.8	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	4.8	0.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hydraena sp. Ad.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0
Hydroporinae Gen. sp. Lv.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hydropsyche incognita	19.2	2.4	9.6	12.0	5.6	39.2	4.8	11.2	9.6	24.8	4.8	0.8	34.4	0.0	15.2	19.2	17.1	2.4	12.0	33.6	12.0	0.8
Hydropsyche siltalai	44.0	12.0	8.8	4.0	0.0	38.4	30.4	15.2	9.6	20.0	16.0	4.0	4.8	14.4	5.6	0.0	11.1	51.2	4.8	15.2	46.6	20.0
Hydropsyche sp.	0.8	0.8	8.0	20.0	8.0	0.8	4.8	38.4	33.6	0.8	0.8	4.0	9.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	3.0	0.8
Hydroptila sp.	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0
Isoperla sp.	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lepidostoma hirtum	53.0	5.6	4.8	32.8	0.0	107.2	5.6	0.8	15.2	46.4	10.4	13.6	4.8	39.2	0.0	6.4	96.0	20.0	34.4	49.6	21.0	6.4
Leuctra geniculata	25.6	20.8	26.4	44.8	22.0	83.2	28.8	83.2	72.8	43.2	34.4	40.0	72.8	36.0	78.4	24.8	18.7	24.8	63.2	19.2	0.0	4.8
Leuctra sp.	67.2	0.8	36.0	52.8	129.2	115.2	19.2	48.0	326.4	82.4	9.6	16.0	52.8	19.2	48.0	19.2	13.7	2.4	24.8	38.4	0.0	28.8
Limnephilus rhombicus rhombicus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0
Limnius perrisi Lv.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limnius volckmari Ad.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	3.4	0.0	4.8	4.8	0.0	0.0
Limnius volckmari Lv.	48.0	19.2	4.0	12.0	1.2	4.8	14.4	4.8	19.2	0.0	9.6	8.0	24.0	4.8	4.8	19.2	30.9	21.6	19.2	81.6	39.0	52.8
Limnophora sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lumbriculidae Gen. sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0
Mystacides azurea	9.6	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	19.2	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
Mystacides longicornis/nigra	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nebrioporus elegans Ad.	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oecetis testacea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
Oligochaeta Gen. sp.	10.4	0.0	0.8	0.0	0.0	14.4	0.0	0.0	0.0	0.8	0.0	0.0	10.4	0.0	0.0	0.0	17.9	0.8	0.8	0.0	0.0	0.0
Orectochilus villosus Ad.	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oulimnius tuberculatus Ad.	4.8	4.8	0.0	0.0	0.0	4.8	9.6	9.6	5.6	0.0	9.6	0.0	0.0	0.0	4.8	0.0	3.4	0.0	0.0	9.6	0.0	9.6
Oulimnius tuberculatus Lv.	19.2	7.2	20.0	8.0	1.2	4.8	14.4	0.8	14.4	10.4	28.8	32.0	19.2	9.6	43.2	48.0	154.3	0.0	62.4	0.0	9.0	67.2
Paraleptophlebia sp.	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 6a (continued): Taxalists of benthic invertebrates in the Ruhr river sections [individuals per m²].
Samples are quoted with the sample code 'sample section_year of investigation'.

	Samples																					
Taxonname	**N1_2009**	**N1_2010**	**N1_2011**	**N1_2012**	**Y1_2008**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y1_2012**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y2_2012**	**Y3_2010**	**Y3_2011**	**Y3_2012**	**N2_2009**	**N2_2010**	**N2_2011**	**O1_2009**	**O1_2010**	**O1_2011**
Pedicia sp.	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pisidium sp.	0.0	0.0	0.0	12.0	0.0	9.6	0.8	0.0	9.6	0.0	0.0	0.0	4.8	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polycentropus flavomaculatus	9.6	7.2	0.0	8.0	1.2	20.0	16.0	0.0	19.2	4.8	20.0	0.0	20.0	4.8	0.0	5.6	3.4	4.8	10.4	0.0	0.0	5.6
Potamophylax cingulatus/latipennis/ luctuosus	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potamopyrgus antipodarum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Proclocon bifidum	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prodiamesa olivacea	0.0	0.0	56.0	56.0	16.8	67.2	0.0	38.4	19.2	82.4	153.6	28.8	0.0	240.0	59.2	28.8	13.7	0.0	14.4	0.0	15.0	144.0
Prosimulium sp.	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	9.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychodidae Gen. sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychomyia pusilla	39.2	12.0	0.0	4.0	0.0	19.2	0.0	43.2	0.0	0.0	14.4	32.0	9.6	0.0	0.0	4.8	0.0	5.6	9.6	0.0	6.0	0.0
Radix balthica	0.0	12.8	0.0	8.0	0.0	5.6	9.6	0.0	0.0	4.8	15.2	0.0	4.8	0.0	0.0	4.8	45.4	4.8	0.0	5.6	6.8	0.0
Rhithrogena sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhyacophila dorsalis/nubila	44.8	10.4	24.0	12.0	19.2	24.0	24.8	11.2	10.4	19.2	0.8	17.6	24.0	15.2	9.6	14.4	6.9	2.4	4.8	59.2	30.8	20.8
Rhypholophus sp.	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sericostoma flavicorne/personatum	20.0	22.4	17.6	32.0	0.0	29.6	6.4	0.0	9.6	14.4	9.6	9.6	24.0	14.4	0.0	9.6	65.1	12.0	0.8	173.6	24.8	24.8
Serratella ignita	417.6	296.8	297.6	229.6	16.4	452.8	335.2	502.4	586.4	848.0	460.0	103.2	556.8	432.0	147.2	261.6	417.0	459.2	901.6	666.4	367.6	380.8
Sialis sp.	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Simulium sp.	163.2	17.6	12.0	4.0	3.6	38.4	302.4	20.0	9.6	96.0	14.4	12.0	1646.4	235.2	0.8	96.0	24.0	0.0	0.0	4.8	24.0	14.4
Sphaerium corneum	0.0	0.0	0.0	0.0	0.0	0.8	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Stylodrilus heringianus	4.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tipula sp.	0.0	0.0	0.0	4.0	2.8	0.0	0.0	4.8	4.8	0.0	4.8	0.0	0.0	4.8	0.0	4.8	0.0	0.0	0.0	4.8	0.0	4.8
Trochetinae Gen. sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8

Appendix 6b: Taxalists of fishes in the Ruhr river sections [individuals per hectar]; species were classified in adults and young-of-the-year (0+).
Samples are quoted with the sample code 'sample section_year of investigation'.

	Samples																				
Taxonname	**N1_2009**	**N1_2010**	**N1_2011**	**N1_2012**	**Y1_2008**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y1_2012**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y2_2012**	**Y3_2010**	**Y3_2011**	**Y3_2012**	**N2_2009**	**N2_2011**	**O1_2009**	**O1_2011**
Anguilla anguilla	8.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	18.2	6.8	9.3	2.8
Barbus barbus	212.5	79.2	45.8	16.7	67.7	150.0	45.8	37.5	0.0	433.3	116.7	1779.2	41.7	75.0	58.3	0.0	12.1	51.0	0.0	5.6
Barbus barbus 0+	208.3	733.3	145.8	4.2	453.1	125.0	483.3	37.5	0.0	645.8	712.5	87.5	0.0	2970.8	100.0	0.0	6.1	51.0	21.6	73.4
Barbatula barbatula	5525.0	716.7	1529.2	400.0	333.3	1275.0	387.5	1720.8	141.7	2816.7	612.5	2237.5	383.3	595.8	1612.5	991.7	48.5	17.0	364.2	375.7
Barbatula barbatula 0+	8.3	658.3	1962.5	404.2	166.7	83.3	291.7	1858.3	137.5	929.2	783.3	2604.2	354.2	508.3	2275.0	929.2	3.0	17.0	43.2	132.8
Cottus gobio	3245.8	2675.0	3816.7	937.5	734.4	3445.8	912.5	1554.2	304.2	4929.2	812.5	1408.3	537.5	1162.5	1704.2	816.7	339.4	231.3	737.7	313.6
Cottus gobio 0+	491.7	1166.7	2000.0	633.3	760.4	237.5	350.0	379.2	179.2	1370.8	425.0	616.7	308.3	637.5	629.2	695.8	12.1	37.4	586.4	79.1
Esox lucius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Esox lucius 0+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Gasterosteus aculeatus	0.0	125.0	8.3	8.3	15.6	58.3	20.8	900.0	12.5	25.0	325.0	133.3	125.0	187.5	50.0	104.2	0.0	0.0	6.2	22.6
Gasterosteus aculeatus 0+	0.0	50.0	4.2	8.3	0.0	25.0	587.5	345.8	12.5	8.3	141.7	50.0	100.0	91.7	20.8	87.5	0.0	0.0	0.0	70.6
Gobio gobio	29.2	104.2	200.0	45.8	0.0	41.7	12.5	95.8	16.7	29.2	145.8	25.0	12.5	0.0	0.0	4.2	3.0	6.8	12.3	8.5
Gobio gobio 0+	0.0	183.3	29.2	16.7	0.0	4.2	170.8	12.5	20.8	8.3	416.7	4.2	37.5	8.3	0.0	104.2	0.0	0.0	21.6	2.8
Lampetra planeri	29.2	16.7	8.3	33.3	0.0	20.8	12.5	58.3	12.5	20.8	4.2	50.0	58.3	0.0	0.0	29.2	33.3	0.0	12.3	42.4
Lampetra planeri 0+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	211.9
Leuciscus cephalus	8.3	179.2	79.2	29.2	15.6	58.3	66.7	162.5	37.5	137.5	125.0	70.8	104.2	104.2	33.3	108.3	0.0	0.0	18.5	45.2
Leuciscus cephalus 0+	612.5	1658.3	325.0	195.8	442.7	545.8	729.2	270.8	16.7	720.8	1279.2	175.0	333.3	504.2	66.7	133.3	9.1	20.4	37.0	39.5
Leuciscus leuciscus	4.2	104.2	0.0	0.0	0.0	0.0	29.2	29.2	0.0	0.0	4.2	0.0	0.0	20.8	12.5	0.0	0.0	0.0	0.0	8.5
Leuciscus leuciscus 0+	16.7	645.8	12.5	0.0	10.4	0.0	29.2	150.0	0.0	0.0	41.7	8.3	0.0	66.7	29.2	0.0	3.0	0.0	30.9	0.0
Oncorhynchus mykiss	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perca fluviatilis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2	0.0	0.0	0.0	0.0	0.0	6.2	0.0
Phoxinus phoxinus	4900.0	6337.5	5595.8	4287.5	661.5	10512.5	3500.0	7216.7	3658.3	7541.7	3904.2	2966.7	3241.7	7354.2	5754.2	4145.8	1587.9	598.6	1447.5	1271.2
Phoxinus phoxinus 0+	6062.5	6787.5	4758.3	5062.5	739.6	10237.5	4375.0	7616.7	2437.5	7837.5	5616.7	3245.8	1595.8	2575.0	1983.3	866.7	484.8	68.0	166.7	1129.9
Rutilus rutilus	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rutilus rutilus 0+	0.0	0.0	4.2	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salmo trutta	133.3	145.8	54.2	20.8	250.0	270.8	650.0	479.2	175.0	212.5	320.8	87.5	237.5	258.3	187.5	120.8	66.7	51.0	163.6	158.2
Salmo trutta 0+	20.8	37.5	16.7	12.5	421.9	125.0	245.8	191.7	137.5	45.8	150.0	58.3	225.0	245.8	112.5	150.0	87.9	54.4	151.2	138.4
Thymallus thymallus	62.5	4.2	16.7	16.7	41.7	37.5	12.5	0.0	54.2	20.8	8.3	4.2	33.3	0.0	0.0	20.8	21.2	17.0	67.9	62.1
Thymallus thymallus 0+	425.0	300.0	187.5	83.3	1187.5	641.7	904.2	737.5	91.7	783.3	458.3	179.2	41.7	795.8	837.5	70.8	24.2	34.0	148.1	519.8

Appendix 6c: Taxalists of aquatic macrophytes in the Ruhr river sections [abundance class according to Kohler].
Samples are quoted with the sample code 'sample section_year of investigation'. Descriptions of growth forms in Appendix 6d.

		Samples																			
Taxonname	**Growth form**	**N1_2009**	**N1_2010**	**N1_2011**	**N1_2012**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y1_2012**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y2_2012**	**Y3_2010**	**Y3_2011**	**Y3_2012**	**N2_2009**	**N2_2010**	**N2_2011**	**O1_2009**	**O1_2010**	**O1_2011**
Agrostis canina	Helodids	0	0	0	0	2	2	0	0	0	2	2	0	1	0	0	0	0	0	0	0	0
Agrostis stolonifera	Helodids	0	0	0	0	0	0	2	2	0	0	0	2	0	2	2	0	0	0	0	0	1
Alisma plantago-aquatica	Helodids	0	0	0	0	1	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0
Amblystegium fluviatile	Haptophytes	0	2	1	2	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	2	0
Butomus umbellatus	Helodids	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Callitriche sp.	Peplids	0	0	0	2	0	1	1	2	2	1	1	2	0	1	2	0	0	0	1	1	1
Cladophora sp.	Isoetids	3	3	3	3	4	4	4	3	3	3	3	3	4	3	2	2	5	2	0	2	2
Elodea nuttallii	Elodeids	0	0	0	0	3	2	2	2	2	3	2	2	1	1	2	0	0	0	1	1	0
Fontinalis antipyretica	Haptophytes	2	2	1	2	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	2	0
Glyceria fluitans	Graminids	0	0	0	0	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Iris pseudacorus	Helodids	0	0	0	0	1	1	1	1	0	0	0	1	1	0	1	0	0	0	0	0	0
Lemna minor	Lemnids	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1
Leptodictyum riparium	Haptophytes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Lysimachia vulgaris	Helodids	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Lythrum salicaria	Helodids	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Myosotis scorpioides	Helodids	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	2	0	0
Myosoton aquaticum	Helodids	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Myriophyllum spicatum	Myriophyllids	0	0	0	0	1	0	1	1	0	0	0	2	0	0	2	0	0	0	0	0	0
Nasturtium sp.	Helodids	0	0	0	0	0	1	0	1	0	0	0	1	0	0	2	0	0	0	0	0	0

Appendix 6c (continued): Taxalists of aquatic macrophytes in the Ruhr river sections [abundance class according to Kohler].
Samples are quoted with the sample code 'sample section year of investigation'. Descriptions of growth forms in Appendix 6d.

		Samples																				
Taxonname	**Growth form**	**N1_2009**	**N1_2010**	**N1_2011**	**N1_2012**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y1_2012**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y2_2012**	**Y3_2010**	**Y3_2011**	**Y3_2012**	**N2_2009**	**N2_2010**	**N2_2011**	**O1_2009**	**O1_2010**	**O1_2011**
Persicaria amphibia	Nymphaeids	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Persicaria hydropiper	Helodids	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	1	0	0
Phalaris arundinacea	Helodids	0	2	1	2	2	2	1	2	2	2	2	2	2	2	2	0	0	0	2	2	2
Platyhypnidium riparioides	Haptophytes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Potamogeton berchtoldii	Parvopotamids	0	0	0	0	0	0	1	2	0	0	0	2	0	0	2	0	0	0	0	0	0
Potamogeton crispus	Parvopotamids	0	0	0	0	1	0	2	2	0	0	0	2	2	0	2	0	0	0	0	0	0
Potamogeton pusillus	Parvopotamids	0	0	0	0	0	0	0	0	1	2	1	0	2	0	0	0	0	0	0	1	0
Ranunculus fluitans	Myriophyllids	2	2	1	2	3	3	1	2	2	3	3	3	3	3	4	2	3	2	3	3	2
Rorippa amphibia	Helodids	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
Rorippa palustris	Helodids	0	0	0	0	2	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0
Sparganium emersum	Vallisnerids	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Spirodela polyrhiza	Lemnids	0	0	0	0	0	1	0	0	0	0	0	0	2	0	2	0	0	0	0	1	0
Typha angustifolia	Helodids	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veronica beccabunga	Helodids	0	0	0	0	2	0	1	1	1	1	1	2	1	1	2	0	0	0	1	1	0
Elodea canadensis	Elodeids	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix 6d: Classification of macrophytes according to their growth forms (modified after Lorenz et al., 2012)

Growth form	**Definition**
Elodeids	Submerged plants with whorled stems
Haptophytes	Mosses, red and green algae, lichen
Helodids	Emergent plants, mainly Helophytes
Isoetids	Submerged plants (and filamentous algae) with short shoots/stems and a rosette of stiff radical leaves
Lemnids	Free-floating plants with small leaf-like thalli
Myriophyllids	Submerged plants with leafs at stem, feather-like leafs
Nymphaeids	Plants with longly petiolated floating leaves
Parvopotamids	Entirely submerged plants with linear to oblong leaves
Peplids	Plants with oblong and spatulate leaves, the upper ones forming floating rosettes
Vallisnerids	Submerged plants with a short stem and a rosette or bundle of long, linear, floating leaves, rooted in the soil

Appendix 7a: Taxalists of carabid beetles in the Ruhr river sections [habitat-weighted abundances per sample section].
Samples are quoted with the sample code 'sample section_year of investigation'.

	Samples																					
Taxonname	**N1_2009**	**N1_2010**	**N1_2011**	**N1_2012**	**Y1_2008**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y1_2012**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y2_2012**	**Y3_2010**	**Y3_2011**	**Y3_2012**	**N2_2009**	**N2_2010**	**N2_2011**	**O1_2008**	**O1_2009**	**O1_2010**	**O1_2011**
Abax parallelepipedus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agonum emarginatum	0.0	0.0	0.0	0.0	0.0	3.9	8.0	0.0	7.8	0.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
Agonum marginatum	0.0	0.0	0.0	0.0	0.0	22.9	0.0	5.3	0.0	0.0	0.0	17.2	0.0	0.0	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agonum micans	17.9	0.0	8.4	0.0	0.0	38.1	7.2	20.5	0.0	0.0	3.0	17.2	18.3	0.0	13.9	16.1	0.0	0.0	0.0	0.0	0.0	0.0	44.0
Agonum muelleri	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Amara eurynota	0.0	0.0	0.0	0.0	0.0	22.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amara familiaris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amara similata	0.0	0.0	0.0	27.8	0.0	0.0	0.0	0.0	0.0	0.0	99.0	7.7	9.2	0.0	27.7	0.0	0.0	8.2	0.0	0.0	18.3	0.0	0.0
Anchomenus dorsalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anisodactylus binotatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	0.0
Asaphidion flavipes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion articulatum	0.0	0.0	0.0	0.0	0.0	34.8	8.0	0.0	0.0	7.3	1.0	68.7	0.0	25.7	0.0	2.4	0.0	0.0	0.0	0.0	0.4	9.4	0.0
Bembidion atrocaeruleum	0.0	2.0	4.2	0.0	12.4	55.2	188.0	165.7	469.4	3.7	114.2	463.3	1298.9	64.3	178.4	411.6	0.0	0.0	0.0	118.0	9.1	73.2	339.8
Bembidion decorum	0.0	5.9	1.3	2.7	9.3	142.3	178.0	224.5	245.3	1.5	17.7	331.7	338.5	90.0	178.4	186.2	0.0	0.0	0.0	3.1	1.2	8.5	118.4
Bembidion dentellum	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	12.1	0.0
Bembidion femoratum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	36.6	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion illigeri	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion lampros	0.0	0.0	0.0	5.2	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion millerianum	0.0	0.0	0.0	0.0	3.1	0.0	5.0	5.3	32.0	0.7	0.0	0.0	122.3	0.0	0.0	9.8	0.0	0.0	0.0	51.4	147.1	211.6	55.0
Bembidion monticola	0.0	0.0	0.0	2.7	0.0	0.0	0.0	16.0	5.3	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	1.2	0.0
Bembidion obliquum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion punctulatum	0.0	0.0	0.0	0.0	3.1	4.2	7.5	32.1	32.0	0.0	3.0	68.6	19.7	0.0	11.2	19.6	0.0	0.0	0.0	1.0	0.0	1.2	51.5
Bembidion quadrimaculatum	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion schueppelii	9.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	12.1	4.1	0.0	0.0	0.0	16.5	11.0
Bembidion tetracolum	66.7	33.5	2.5	1.1	10.9	294.6	379.3	395.7	89.1	3.5	104.0	126.1	42.3	34.6	41.6	61.6	138.1	86.1	55.2	22.6	128.5	224.2	104.2
Bembidion tibiale	45.4	0.0	0.0	16.3	0.0	161.4	10.0	10.7	74.7	4.4	14.8	28.6	241.8	51.4	52.0	51.4	0.0	0.0	0.0	0.0	0.4	4.3	5.1
Bembidion varium	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carabus auratus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.0
Carabus granulatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	0.0
Carabus nemoralis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	16.5	0.0
Chlaenius vestitus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clivina collaris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	0.0	0.0	0.0	0.0
Clivina fossor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.3	0.0	0.0
Cychrus caraboides	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.2	0.0	0.0	0.0	18.3	0.0	0.0
Dyschirius globosus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elaphropus parvulus	0.0	0.0	0.0	0.0	12.4	0.0	2.5	0.0	0.0	0.0	39.2	0.0	83.8	0.0	0.0	17.1	0.0	0.0	0.0	34.7	0.1	33.0	0.0
Elaphropus quadrisignatus	0.0	0.0	0.0	0.0	0.0	0.0	2.5	10.7	0.0	0.7	0.0	34.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.7	0.2	0.0	0.0
Elaphrus cupreus	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	3.9	34.3	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0
Elaphrus riparius	0.0	0.0	0.0	0.0	6.2	15.5	8.0	10.7	0.0	5.3	0.0	0.0	0.0	16.5	11.2	9.8	0.0	0.0	0.0	0.0	0.1	3.8	0.0
Harpalus rufipes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	0.0	16.5	0.0
Leistus rufomarginatus	0.0	0.0	0.0	0.0	0.0	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limodromus assimilis	26.0	0.0	28.4	0.0	0.0	149.1	7.2	39.6	0.0	3.0	0.0	21.0	0.0	52.2	41.6	17.1	14.8	16.4	95.0	4.2	18.3	0.0	22.0
Loricera pilicornis	0.0	0.0	0.0	2.7	0.0	19.1	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0
Nebria brevicollis	61.8	0.0	0.0	6.3	10.9	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.3	0.0	0.0	159.2	0.0	0.0	0.0
Notiophilus biguttatus	37.4	23.4	6.8	83.5	43.5	0.0	0.0	0.0	12.4	1.3	0.0	0.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Notiophilus palustris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0
Oxypselaphus obscurus	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Panagaeus cruxmajor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paranchus albipes	16.0	2.0	9.6	22.8	0.0	391.2	125.5	9.9	26.7	10.4	11.8	103.0	56.4	90.0	17.0	75.9	6.1	0.0	23.4	0.0	18.5	2.4	7.7
Poecilus versicolor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pterostichus cristatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	10.1	0.0
Pterostichus melanarius	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	0.0
Pterostichus nigrita	0.0	0.0	0.0	2.7	10.9	61.3	21.6	0.0	12.4	0.0	0.0	0.3	5.3	8.8	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	11.0
Pterostichus strenuus	42.3	75.7	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	0.0	0.0	8.2	0.0	0.0	0.0	10.1	11.0
Pterostichus vernalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0
Stenolophus teutonus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Thalassophilus longicornis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9	0.0	0.0	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trechus quadristriatus	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0	0.0	0.0	9.4	17.3	0.0	0.0	0.0
Trichotichnus nitens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0

Appendix 7b: Taxalists of floodplain vegetation in the Ruhr river sections [habitat-weighted abundances per sample section].
Samples are quoted with the sample code 'sample section_year of investigation'.

	Samples																
Taxonname	**N1_2009**	**N1_2010**	**N1_2011**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y3_2010**	**Y3_2011**	**N2_2009**	**N2_2010**	**N2_2011**	**O1_2009**	**O1_2010**	**O1_2011**
Acer campestre	1.6	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
Acer pseudoplatanus	21.3	17.5	19.6	22.6	11.6	46.6	0.0	0.0	0.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0
Achillea millefolium	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
Aegopodium podagraria	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	6.0	0.0	0.0	0.0	0.0
Ajuga reptans	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alliaria petiolata	39.5	0.4	3.0	0.0	3.6	6.5	0.0	1.3	1.1	0.0	0.0	3.9	0.0	4.0	0.0	1.6	1.6
Alnus glutinosa	90.8	66.1	70.8	13.3	60.8	62.7	0.0	6.2	2.5	4.2	7.0	0.0	0.0	0.0	6.2	7.6	17.3
Alopecurus pratensis	0.0	0.0	0.0	4.6	0.0	0.0	0.0	8.5	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anthriscus sylvestris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.8	0.7	0.7	3.9	0.0	0.0	1.8	0.0	0.0
Arabis turrita	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arrhenatherum elatius	0.0	0.0	0.0	0.9	8.7	0.0	3.4	17.5	24.0	0.0	0.7	4.9	4.0	4.0	2.2	7.5	7.5
Artemisia vulgaris	0.0	1.7	1.9	18.1	10.4	0.0	2.1	0.9	1.1	4.6	12.5	0.0	0.0	0.0	55.6	13.2	19.6
Arum maculatum	3.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbarea vulgaris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.9	1.9
Bromus sterilis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.5	3.5
Calystegia sepium	0.2	1.4	1.2	0.0	0.0	0.0	9.0	1.4	2.9	0.7	0.7	6.4	16.0	12.0	3.6	11.3	21.0
Capsella bursa-pastoris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
Chaerophyllum bulbosum	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chamomilla recutita	0.0	0.0	0.0	14.1	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
Chamomilla suaveolens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Chenopodium album	0.0	1.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chenopodium polyspermum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
Cirsium arvense	0.0	0.0	0.0	0.9	1.7	0.0	1.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.9	2.1
Cirsium palustre	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cirsium vulgare	0.0	0.0	0.0	1.8	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0
Conium maculatum	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crataegus cf. *monogyna*	1.6	1.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
Crepis biennis	0.0	0.0	0.0	2.7	5.2	0.0	0.0	1.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cruciata laevipes	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dactylis glomerata	0.0	1.4	3.1	8.6	5.2	0.0	73.6	22.6	25.0	0.7	1.4	6.0	4.0	2.0	2.2	4.1	3.5
Deschampsia cespitosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Dipsacus fullonum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
Elymus repens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0
Epilobium angustifolium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0
Epilobium cf. *tetragonum*	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0
Epilobium hirsutum	2.0	8.6	9.2	0.0	1.7	0.0	1.7	0.7	1.0	3.9	3.9	0.0	0.0	0.0	15.8	3.7	12.1
Epilobium montanum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum arvense	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0
Erigeron annuus	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Euphorbia spec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.6	0.0
Fagus sylvatica	39.5	50.8	51.9	0.0	2.6	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Festuca gigantea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	0.0	0.0	1.8	0.0	0.0
Festuca pratensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Filipendula ulmaria	4.7	0.0	3.8	0.2	1.7	0.0	3.4	4.7	6.1	0.0	0.0	6.4	8.0	24.0	0.0	0.0	0.0
Fragaria vesca	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fraxinus excelsior	87.0	70.6	78.9	3.4	7.2	68.5	0.0	0.0	0.0	4.2	4.2	21.4	30.0	20.0	1.8	1.8	1.8
Galium aparine	47.4	24.3	26.3	0.9	1.7	2.7	1.1	0.0	4.1	2.1	4.8	20.1	70.0	30.0	4.6	8.7	11.9
Galium mollugo	0.0	0.0	0.0	0.9	1.7	0.0	0.0	6.0	1.8	0.0	0.0	0.0	0.0	0.0	3.6	3.5	3.5
Galium palustre	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
Galium verum	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
Geranium molle	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
Geranium robertianum	5.5	1.4	1.2	0.0	2.0	0.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.8	1.6	1.7
Geum urbanum	37.7	27.7	27.7	0.0	0.5	3.0	0.0	0.0	0.0	2.1	2.1	4.9	4.0	2.0	0.0	1.6	1.6
Glechoma hederacea	12.6	27.3	27.4	0.9	3.3	17.7	1.0	3.6	4.8	0.0	0.0	0.0	6.0	4.0	9.0	7.4	7.6
Heracleum mantegazzianum	1.9	0.0	0.0	10.2	3.5	0.0	3.7	2.4	2.5	0.7	1.4	3.9	6.0	2.0	34.4	173.3	105.2
Heracleum sphondylium	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
Hesperis matronalis	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5
Holcus lanatus	0.0	0.0	0.0	14.6	5.2	0.0	15.0	19.3	18.1	7.2	4.6	0.0	0.0	30.0	0.4	2.9	2.9
Humulus lupulus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	2.0	0.0	0.0	0.0	0.0
Hypericum hirsutum	0.0	0.0	0.0	3.7	3.5	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.8	0.0	0.0

Appendix 7b (continued): Taxalists of floodplain vegetation in the Ruhr river sections [habitat-weighted abundances per sample section].
Samples are quoted with the sample code 'sample section_year of investigation'.

	Samples																
Taxonname	**N1_2009**	**N1_2010**	**N1_2011**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y3_2010**	**Y3_2011**	**N2_2009**	**N2_2010**	**N2_2011**	**O1_2009**	**O1_2010**	**O1_2011**
Impatiens glandulifera	6.1	5.2	14.0	4.1	8.9	37.1	19.0	23.2	25.9	11.4	16.8	88.9	60.0	12.0	56.2	26.6	50.9
Iris pseudacorus	0.0	0.0	0.0	0.0	0.0	0.0	26.3	15.6	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Juncus effusus	0.0	0.0	0.0	2.3	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lamium album	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.0	1.3	0.0	0.0	2.0	0.0	3.9	3.9
Lamium maculatum	34.3	1.7	1.9	0.0	1.7	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	4.0	0.0	1.6	3.7
Lamium purpureum	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.7	0.7	3.9	0.0	0.0	0.0	0.0	0.0
Lapsana communis	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
Lathyrus pratensis	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linaria vulgaris	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lolium multiflorum	0.0	0.0	0.0	1.8	12.2	0.0	0.0	17.3	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lolium perenne	0.0	0.0	0.0	0.0	0.0	0.0	62.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lotus corniculatus	0.0	0.0	0.0	0.9	3.5	0.0	3.4	8.0	7.6	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
Lythrum salicaria	0.0	0.0	0.0	0.9	0.0	0.0	1.1	2.2	4.1	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0
Matricaria maritima	0.0	0.0	0.0	0.0	3.5	0.0	0.0	1.5	1.4	3.9	3.9	0.0	0.0	0.0	1.8	0.0	0.0
Melica uniflora	2.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melilotus officinalis	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mentha aquatica	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Moehringia trinerva	0.0	1.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myosotis arvensis	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
Myosotis palustris	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.2	2.5
Myosoton aquaticum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
Nasturtium officinale	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Papaver cf. *rhoeas*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Phalaris arundinacea	17.9	11.9	8.6	102.9	69.8	13.6	68.1	37.5	43.6	0.0	8.5	6.0	22.0	20.0	198.1	47.7	65.8
Phleum pratense	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.0	0.2	0.0
Phragmites australis	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plantago intermedia	0.0	0.4	0.0	2.9	0.0	0.0	1.0	1.9	2.3	2.6	2.6	0.0	0.0	0.0	0.0	0.0	1.6
Plantago lanceolata	0.0	0.0	0.4	2.7	5.2	2.7	6.4	2.3	5.0	1.3	2.6	0.0	0.0	0.0	0.0	0.0	1.9
Poa annua	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0	0.0	0.0	0.0
Poa nemoralis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
Poa pratensis	0.0	0.0	1.9	0.0	0.0	2.7	15.0	30.4	24.5	1.3	3.3	0.0	0.0	0.0	0.0	1.8	1.9
Poa trivialis	0.0	0.0	0.0	4.6	15.7	0.0	0.0	29.5	20.2	3.3	2.6	6.0	14.0	8.0	3.8	2.5	1.4
Polygonum lapathifolium	0.0	0.0	0.0	2.9	0.0	0.0	1.7	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Quercus robur	9.9	2.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ranunculus fluitans	0.0	0.0	0.0	1.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
Ranunculus repens	0.0	0.0	0.0	8.2	3.5	2.7	1.1	1.5	3.1	2.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0
Reynoutria japonica	114.9	89.3	102.3	0.0	1.7	8.2	0.0	0.0	4.8	102.0	136.5	92.1	10.0	0.0	10.8	19.6	37.2
Rorippa palustris	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	1.8	1.9	1.9
Rorippa sylvestris	0.0	0.0	0.0	1.4	0.0	0.0	3.4	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.8	3.9	3.9
Rubus caesius	0.0	31.0	25.0	0.0	0.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.5	3.5
Rubus fruticosus agg.	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.6	0.0	0.0
Rumex acetosella	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	0.0	0.0	10.0	0.0	0.0	0.0
Rumex obtusifolius	0.3	3.4	3.8	24.4	5.2	2.7	6.3	3.9	7.0	1.3	4.6	3.9	2.0	0.0	5.4	4.0	4.0
Salix fragilis	98.7	85.2	96.0	0.0	15.7	24.0	28.6	33.6	35.5	17.6	21.0	14.6	22.0	22.0	17.9	17.8	19.7
Saponaria officinalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	3.6	0.0	0.0
Scirpus sylvaticus	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scrophularia nodosa	0.0	0.0	0.0	9.1	4.0	3.3	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.8	3.5	3.5
Scutellaria galericulata	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Silene alba	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Silene dioica	3.9	3.1	3.1	4.6	1.7	2.7	1.1	0.7	1.8	4.1	4.7	3.9	4.0	2.0	5.4	1.8	1.8
Solidago canadensis	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stellaria media	0.0	0.0	1.9	0.0	0.0	0.0	0.0	2.2	1.4	2.6	2.6	0.0	0.0	0.0	0.0	2.1	1.9
Stellaria nemorum	0.0	1.4	1.2	21.1	1.7	0.0	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0
Stellaria uliginosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
Symphytum officinalis	2.3	6.5	9.4	10.7	5.2	13.6	20.7	41.2	75.8	6.3	19.4	62.1	180.0	160.0	14.4	37.3	55.7
Tanacetum vulgare	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	1.8	3.5	3.5
Taraxacum officinale agg.	0.0	0.4	1.1	6.6	3.5	0.0	6.4	1.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trifolium arvense	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trifolium dubium	0.0	0.0	0.0	4.6	5.2	2.7	0.0	2.2	2.2	1.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0
Trifolium hybridum	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.0	0.0	0.0	0.0

Appendix 7b (continued): Taxalists of floodplain vegetation in the Ruhr river sections [habitat-weighted abundances per sample section].
Samples are quoted with the sample code 'sample section_year of investigation'.

	Samples																
Taxonname	**N1_2009**	**N1_2010**	**N1_2011**	**Y1_2009**	**Y1_2010**	**Y1_2011**	**Y2_2009**	**Y2_2010**	**Y2_2011**	**Y3_2010**	**Y3_2011**	**N2_2009**	**N2_2010**	**N2_2011**	**O1_2009**	**O1_2010**	**O1_2011**
Trifolium pratense	0.0	0.0	0.0	3.7	5.2	2.7	1.0	1.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trifolium repens	0.0	0.0	0.0	29.3	8.7	0.0	68.6	13.9	7.4	2.6	3.9	0.0	0.0	0.0	1.8	0.0	0.0
Urtica dioica	28.3	31.3	36.9	5.9	10.0	45.3	10.6	3.7	6.5	6.2	16.5	211.1	150.0	70.0	52.3	60.2	93.5
Verbascum densiflorum	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	1.3	2.6	0.0	0.0	0.0	1.8	0.0	0.0
Verbascum thapsus	0.0	0.0	0.0	3.7	1.7	0.0	0.0	0.0	0.0	3.9	3.9	0.0	0.0	0.0	1.8	1.6	1.6
Vicia cracca	0.2	1.4	1.2	0.0	1.7	0.0	0.0	2.2	2.2	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Vicia hirsuta	0.0	0.0	0.0	0.9	1.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vicia sepium	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.9	1.9

Appendix 8a: Floodplain mesohabitats in the Lahn river sections [%].
Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

		Sample											
Recorded mesohabitat	**Mesohabitat name in analyses**	**Co_nr_05**	**Co_nr_09**	**Co_re_05**	**Co_re_09**	**Lu_nr_05**	**Lu_nr_09**	**Lu_re_05**	**Lu_re_09**	**Wa_nr_05**	**Wa_nr_09**	**Wa_re_05**	**Wa_re_09**
Main channel	Main channel	59.5	59.3	20.5	21.5	61.6	63.4	14.7	17.0	65.7	66.9	16.8	21.7
Connected sidearm	Connected sidearm	0.0	0.0	1.7	0.7	0.0	0.0	2.2	1.0	0.0	0.0	5.3	0.0
Permanent standing water body	Standing water body and disconnected sidearm	0.0	0.0	0.3	1.0	0.0	0.0	4.8	1.1	0.0	0.0	0.0	0.0
Temporary standing water body		0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.2	0.0
Disconnected sidearm		0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.7
Secondary channel	Secondary channel	0.0	0.0	20.8	9.7	0.0	0.0	9.9	0.0	0.0	0.0	7.6	13.1
Embankment	Embankment and bank	35.5	30.5	9.1	7.1	37.6	36.0	10.4	5.3	31.2	27.4	17.8	3.6
Bank		0.0	6.9	0.0	14.2	0.0	0.6	0.0	22.3	0.0	4.9	0.0	14.9
Flooplain area	Moist floodprone area	0.0	0.0	12.9	1.5	0.0	0.0	17.9	21.1	0.0	0.0	2.3	5.1
Vegetated island	Vegetated island	0.0	0.0	21.1	37.0	0.0	0.0	35.6	20.3	0.0	0.0	28.6	36.0
Unvegetated bar	Unvegetated bar	5.0	3.3	13.5	7.3	0.7	0.0	4.1	1.5	3.0	0.7	21.4	4.9

Appendix 8b: Aquatic microhabitats in the Lahn river sections [%]. Samples are quoted with the sample code 'sample section_status_year of investigation'.
Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

		Samples											
Recorded microhabitat	**Microhabitat name in analyses**	**Co_nr_05**	**Co_nr_09**	**Co_re_05**	**Co_re_09**	**Lu_nr_05**	**Lu_nr_09**	**Lu_re_05**	**Lu_re_09**	**Wa_nr_05**	**Wa_nr_09**	**Wa_re_05**	**Wa_re_09**
Macro-/Technolithal	Cobbles and coarse gravel	11.0	8.0	5.0	5.0	16.0	37.0	2.0	8.0	21.0	12.0	14.0	14.0
Mesolithal		74.0	83.0	44.0	52.0	80.0	58.0	45.0	66.0	72.0	86.0	43.0	59.0
Mikrolithal		7.0	1.0	29.0	14.0	2.0	3.0	27.0	6.0	2.0	1.0	19.0	12.0
Psammal	Finer mineral sediments	2.0	0.0	2.0	1.0	2.0	0.0	2.0	0.0	0.0	0.0	8.0	3.0
Pelal		0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	1.0
Akal		1.0	0.0	3.0	6.0	0.0	2.0	4.0	12.0	0.0	0.0	6.0	8.0
Argyllal		1.0	0.0	10.0	8.0	0.0	0.0	5.0	0.0	1.0	0.0	2.0	0.0
CPOM	Organic substrates	0.0	0.0	3.0	2.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0	2.0
FPOM		1.0	3.0	2.0	3.0	0.0	0.0	5.0	4.0	3.0	1.0	1.0	0.0
Living parts of terrestrial plants	Floating riparian vegetation	3.0	5.0	0.0	5.0	0.0	0.0	2.0	0.0	1.0	0.0	4.0	1.0
Submerse macrophytes	Submerse macrophytes	0.0	0.0	1.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Xylal	Tree trunks and dead wood	0.0	0.0	1.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	1.0	0.0

Appendix 9a: Taxalists of benthic invertebrates in the Lahn river sections [individuals per m²].

Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

	Samples											
Taxonname	**Co_nr_05**	**Co_re_05**	**Wa_nr_05**	**Wa_re_05**	**Lu_nr_05**	**Lu_re_05**	**Co_nr_09**	**Co_re_09**	**Wa_nr_09**	**Wa_re_09**	**Lu_nr_09**	**Lu_re_09**
Allogamus auricollis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	71.2	11.2	6.4
Anabolia nervosa	0.0	0.0	9.7	17.4	0.0	0.0	0.0	20.8	0.0	0.0	1.6	18.4
Ancylus fluviatilis	9.5	7.6	6.9	18.3	3.4	2.1	17.6	12.8	88.0	41.6	112.0	13.6
Anomalopterygella chauviniana	19.0	22.8	3.6	8.6	0.0	2.1	0.0	0.0	5.6	54.4	11.2	6.4
Antocha sp.	0.0	0.0	22.0	45.1	0.0	1.1	12.8	4.8	4.0	0.0	4.8	0.0
Aphelocheirus aestivalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0
Asellus aquaticus	351.7	313.2	10.8	108.7	92.1	157.3	48.0	157.6	0.0	60.8	5.6	0.8
Atherix/Ibisia sp.	0.0	3.8	17.3	86.2	134.1	192.3	14.4	0.0	203.2	212.8	226.4	169.6
Athripsodes albifrons	95.4	104.8	0.0	0.0	0.0	0.0	148.8	54.4	0.0	8.0	1.6	0.0
Athripsodes bilineatus ssp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	0.0	12.8	0.0	0.0
Athripsodes cinereus	101.0	171.0	0.0	3.5	5.0	17.7	9.6	153.6	0.0	12.8	0.0	11.2
Baetis buceratus	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Baetis fuscatus/scambus	219.9	241.7	247.4	472.7	66.3	171.8	254.4	131.2	27.2	35.2	104.0	65.6
Baetis lutheri	0.0	0.0	24.2	13.2	20.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0
Baetis rhodani	234.0	232.4	185.6	501.5	404.5	336.8	260.8	233.6	122.4	359.2	629.6	1223.2
Baetis sp.	97.0	111.3	124.3	252.4	229.1	298.6	43.2	124.8	11.2	92.8	116.0	280.0
Baetis vernus	2.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	25.6
Brachycentrus subnubilus	0.0	0.0	0.0	0.0	0.0	0.0	44.0	20.8	0.0	0.0	0.0	0.0
Caenis beskidensis/pseudorivulorum	0.0	0.0	3.4	10.7	0.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0
Caenis luctuosa	2.0	72.1	4.2	9.7	0.0	24.1	40.0	100.8	13.6	99.2	116.0	92.8
Centroptilum luteolum	5.6	3.8	0.0	0.0	3.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0
Ceraclea albimacula	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8
Ceraclea dissimilis	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0
Ceratopogoninae Gen. sp.	0.0	1.9	0.0	8.1	0.0	2.6	4.8	20.8	0.8	24.0	9.6	43.2
Chaetopteryx villosa villosa	0.0	0.0	0.0	3.6	0.0	0.0	0.0	4.8	0.8	27.2	0.0	6.4
Chelifera sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	3.2	0.0
Cheumatopsyche lepida	96.7	106.2	0.0	0.0	0.0	0.0	465.6	137.6	4.0	4.8	0.0	0.0
Chironomidae Gen. sp.	923.3	972.6	405.0	712.8	733.6	1266.4	163.2	476.8	58.4	419.2	128.0	388.0
Chironominae Gen. sp.	437.0	968.8	654.2	2027.1	614.8	1977.9	364.8	364.8	204.8	1287.2	601.6	883.2
Chironomini Gen. sp.	117.0	230.0	583.0	1305.1	278.8	1140.4	188.8	713.6	151.2	779.2	718.4	942.4
Chrysops sp.	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyrnus trimaculatus	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranota sp.	96.8	119.0	4.0	265.4	61.2	98.3	9.6	9.6	10.4	107.2	4.8	6.4
Ecdyonurus venosus -Gr.	56.9	60.7	7.4	35.0	0.0	0.0	16.0	13.6	38.4	122.4	35.2	36.0
Eiseniella tetraedra	0.0	0.0	0.0	15.4	29.3	39.7	0.0	17.6	8.8	3.2	0.0	0.0
Elmis aenea/maugetii/rietscheli/rioloides Ad.	98.8	75.8	103.8	270.1	152.3	282.1	107.2	28.8	20.0	31.2	11.2	44.0
Elmis sp. Lv.	95.7	91.0	21.3	114.1	82.9	145.9	611.2	123.2	404.0	117.6	152.0	232.0
Eloeophila sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0
Epeorus assimilis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0
Ephemera danica	0.0	1.9	0.0	7.7	0.0	23.9	26.4	0.8	15.2	14.4	0.8	30.4
Erpobdella octoculata	52.2	51.8	47.5	112.0	18.1	174.0	131.2	198.4	2.4	82.4	114.4	93.6

Appendix 9a (continued): Taxalists of benthic invertebrates in the Lahn river sections [individuals per m²].

Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

	Samples											
Taxonname	**Co_nr_05**	**Co_re_05**	**Wa_nr_05**	**Wa_re_05**	**Lu_nr_05**	**Lu_re_05**	**Co_nr_09**	**Co_re_09**	**Wa_nr_09**	**Wa_re_09**	**Lu_nr_09**	**Lu_re_09**
Erpobdella vilnensis	0.0	0.0	0.0	1.7	0.0	0.0	0.0	1.6	0.8	0.0	16.0	17.6
Esolus angustatus Ad.	0.0	0.0	0.0	18.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	6.4
Esolus parallelepipedus Ad.	151.7	147.9	117.2	514.1	231.3	461.1	196.0	80.0	75.2	90.4	9.6	32.0
Esolus sp. Lv.	322.4	384.2	33.9	281.5	48.1	192.6	70.4	160.0	143.2	243.2	22.4	65.6
Gammarus fossarum	0.0	0.0	0.0	0.0	0.0	0.0	52.0	203.6	4.0	0.0	0.0	0.0
Gammarus pulex	106.8	303.4	0.0	24.7	0.0	1.6	31.3	33.2	0.0	0.0	0.0	0.0
Gammarus roeselii	303.5	490.7	0.0	0.0	0.0	0.0	86.4	468.0	0.0	0.0	0.0	0.0
Glossiphonia complanata	0.0	3.8	0.0	0.0	0.0	6.3	4.8	1.6	0.0	0.0	6.4	0.0
Glossiphonia sp.	0.0	3.8	0.0	15.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0	0.0
Goera pilosa	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gyraulus albus	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Habrophlebia lauta	0.0	0.0	3.6	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Haemopis sanguisuga	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0
Halesus digitatus/tesselatus	0.0	0.0	0.0	0.0	0.0	0.0	17.6	33.6	0.0	0.8	0.0	0.0
Halesus radiatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0
Haliplus sp. Lv.	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0
Haplotaxis gordioides	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	5.6	0.0
Helobdella stagnalis	0.0	7.6	0.0	0.0	4.5	21.9	3.2	0.0	0.0	6.4	11.2	0.0
Helophorus arvernicus Ad.	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hemerodromia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
Hydraena dentipes Ad.	0.0	0.0	0.0	45.0	0.0	17.9	0.0	0.0	0.0	3.2	0.0	0.0
Hydraena excisa Ad.	19.0	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hydraena gracilis Ad.	0.0	0.0	8.7	48.1	156.9	285.9	0.0	19.2	10.4	19.2	0.0	0.0
Hydroporinae Gen. sp. Lv.	0.0	0.0	0.0	3.2	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
Hydropsyche incognita	28.4	30.7	0.0	0.0	0.0	0.0	17.6	0.0	0.0	0.0	1.6	0.0
Hydropsyche instabilis	0.0	0.0	0.0	0.0	0.0	0.0	12.8	0.0	0.0	0.0	0.0	0.0
Hydropsyche pellucidula	19.0	22.8	0.0	8.8	0.0	0.0	35.2	0.0	0.0	6.4	0.0	0.0
Hydropsyche siltalai	19.0	22.8	8.6	12.5	4.7	9.1	546.4	76.0	26.4	58.4	68.0	71.2
Hydropsyche sp.	56.9	72.7	8.2	31.4	110.7	171.6	12.8	0.8	3.2	19.2	0.8	0.8
Hydroptila sp.	8.3	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.8	0.0	0.0	0.0
Jungiella/Psychoda/Tinearia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
Laccobius sp. Lv.	0.0	0.0	0.0	0.0	47.9	102.9	0.0	0.0	0.0	0.0	0.0	0.0
Lepidostoma basale	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0
Lepidostoma hirtum	9.5	7.6	3.9	13.1	0.0	0.0	208.0	257.6	4.0	87.2	14.4	12.8
Leuctra geniculata	161.2	182.0	4.5	9.4	50.1	85.1	100.8	226.4	104.0	245.6	19.2	70.4
Leuctra sp.	286.4	304.2	20.8	116.9	68.6	120.7	65.6	153.6	268.8	522.4	26.4	212.8
Limnius perrisi Lv.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	6.4	4.8	0.0
Limnius volckmari Ad.	9.5	7.6	16.9	54.9	12.0	17.3	13.6	30.4	24.0	0.0	3.2	6.4
Limnius volckmari Lv.	286.5	344.3	3.1	37.0	89.3	140.0	144.0	148.8	114.4	115.2	41.6	84.8
Lumbriculidae Gen. sp.	19.0	22.8	0.0	0.0	0.0	13.3	0.0	0.0	0.0	0.0	0.0	0.0
Micronectinae Gen. sp.	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 9a (continued): Taxalists of benthic invertebrates in the Lahn river sections [individuals per m²].

Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

	Samples											
Taxonname	**Co_nr_05**	**Co_re_05**	**Wa_nr_05**	**Wa_re_05**	**Lu_nr_05**	**Lu_re_05**	**Co_nr_09**	**Co_re_09**	**Wa_nr_09**	**Wa_re_09**	**Lu_nr_09**	**Lu_re_09**
Mystacides azurea	0.0	0.0	0.0	3.3	0.0	1.5	0.0	0.0	4.0	8.0	21.6	0.0
Mystacides longicornis/nigra	2.1	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	4.8	0.0
Naididae/Tubificidae Gen. sp.	21.2	70.5	0.0	4.4	20.4	52.7	35.2	92.0	0.0	0.0	0.8	0.0
Nebrioporus sp. Lv.	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nemoura sp.	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Odontocerum albicorne	0.0	0.0	0.0	12.6	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0
Oecetis testacea	0.0	0.0	3.6	8.9	4.5	6.7	0.0	0.0	0.0	11.2	0.0	0.0
Oligochaeta Gen. sp.	0.0	5.7	0.8	17.2	201.4	337.3	25.6	5.6	4.0	5.6	19.2	0.8
Orectochilus villosus Ad.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0
Oulimnius tuberculatus Ad.	150.7	80.3	51.7	124.7	52.8	104.1	88.0	76.8	45.6	25.6	12.8	25.6
Oulimnius tuberculatus Lv.	42.2	49.3	32.1	75.3	64.9	175.6	35.2	108.8	21.6	40.0	20.8	40.0
Pedicia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	24.0	0.0	4.8
Pilaria sp.	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pisidium sp.	2.1	106.2	0.0	2.8	0.0	20.5	60.8	21.6	0.8	5.6	40.0	88.0
Platycnemis pennipes	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polycentropus flavomaculatus	62.5	60.7	16.8	29.8	0.0	0.0	52.0	3.2	31.2	35.2	28.8	6.4
Potamophylax cingulatus/latipennis/luctuosus	0.0	0.0	39.1	79.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potamopyrgus antipodarum	0.0	0.0	6.6	36.4	0.0	1.1	0.0	0.8	3.2	6.4	6.4	4.8
Proasellus coxalis	0.0	0.0	0.0	0.0	0.0	2.6	6.4	0.0	0.0	0.8	0.0	4.8
Procloeon sp.	1.8	0.0	4.0	5.1	0.0	22.3	0.0	0.0	0.0	0.0	0.0	0.0
Prodiamesa olivacea	0.0	73.3	26.5	107.2	0.0	25.1	0.0	64.0	4.0	75.2	0.0	59.2
Prosimulium sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.4	0.0	0.0	8.0	38.4
Psychodidae Gen. sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	0.0	12.8	0.0
Psychomyia pusilla	7.8	0.0	26.6	54.4	0.0	0.0	91.2	12.8	38.4	24.0	19.2	12.8
Radix balthica	0.0	0.0	0.0	0.0	29.7	23.1	0.0	0.0	0.0	1.6	73.6	37.6
Rhyacophila dorsalis/nubila	0.0	0.0	41.3	101.4	141.5	154.2	17.6	3.2	2.4	48.0	16.0	58.4
Sericostoma flavicorne/personatum	0.0	0.0	19.2	51.8	0.0	18.5	0.0	0.0	27.2	36.8	4.8	11.2
Serratella ignita	903.5	802.7	65.2	185.9	160.3	320.0	1176.8	618.4	668.8	2488.0	832.0	2980.8
Sialis sp.	0.0	83.5	4.7	37.3	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Simulium sp.	4.1	7.6	4.0	96.4	131.0	80.9	46.4	1792.0	5.6	468.8	104.8	956.8
Siphonoperla sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0
Sphaerium corneum	0.0	0.0	0.0	1.1	8.7	31.8	0.0	0.0	5.6	3.2	29.6	49.6
Stylodrilus heringianus	0.0	0.0	3.2	40.7	0.0	14.4	9.6	0.0	0.0	0.0	0.0	0.0
Tabanidae Gen. sp.	19.0	22.8	0.0	11.6	0.0	1.1	0.0	4.8	0.0	12.8	0.0	0.0
Tanypodinae Gen. sp.	78.8	99.7	92.5	240.1	97.3	239.7	20.8	0.0	81.6	177.6	33.6	65.6
Tipulidae Gen. sp.	0.0	0.0	0.0	3.3	8.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0
Torleya major	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0
Turbellaria Gen. sp.	66.4	53.1	0.0	0.0	0.0	0.0	4.8	0.0	4.0	0.0	0.0	0.0

Appendix 9b: Taxalists of floodplain vegetation in the Lahn river sections [habitat-weighted abundances per sample section].

Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

	Samples											
Taxonname	**Co_nr_05**	**Co_re_05**	**Wa_nr_05**	**Wa_re_05**	**Lu_nr_05**	**Lu_re_05**	**Co_nr_09**	**Co_re_09**	**Wa_nr_09**	**Wa_re_09**	**Lu_nr_09**	**Lu_re_09**
Acer pseudoplatanus/platanoides	14.6	0.0	1.6	4.2	2.0	0.0	10.6	0.0	0.0	0.0	0.0	1.2
Achillea millefolium	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.0	0.0
Achillea ptarmica	0.0	0.2	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adoxa moschatellina	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aegopodium podagraria	66.6	9.8	100.5	5.8	67.8	25.1	168.1	23.4	124.7	117.6	123.8	60.6
Agropyron caninum	8.8	0.5	16.1	2.3	27.8	4.3	14.3	0.2	11.6	12.5	13.1	4.6
Agrostis gigantea	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agrostis stolonifera	7.6	10.4	8.0	1.6	3.1	4.2	1.4	0.8	0.0	7.0	0.0	4.7
Agrostis tenuis	0.0	0.0	0.0	0.0	0.0	1.5	0.0	2.3	0.0	5.2	0.0	4.2
Alchemilla vulgaris agg.	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Alisma plantago-aquatica	0.0	0.8	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0
Alliaria petiolata	6.1	7.6	9.9	10.9	2.8	0.9	11.5	1.9	6.4	15.8	5.5	3.5
Alnus glutinosa	177.9	71.6	253.4	50.7	194.7	83.6	72.7	86.1	183.1	74.2	302.2	84.5
Alopecurus geniculatus	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Alopecurus pratensis	0.0	1.0	9.9	7.9	11.7	15.1	2.5	29.5	1.6	1.4	3.0	0.2
Anemone nemorosa	0.0	0.0	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Angelica sylvestris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.7	0.0	0.2
Anthoxanthum odoratum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Anthriscus sylvestris	0.5	0.2	4.0	0.8	1.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0
Arabidopsis thaliana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Arctium lappa/nemorum/tomentosum	0.0	2.3	16.1	0.8	1.0	1.0	2.6	0.8	0.0	0.3	2.7	1.7
Arrhenatherum elatius	0.5	18.1	0.8	8.8	9.3	4.7	8.3	23.7	2.1	2.7	0.0	2.0
Artemisia vulgaris	1.5	1.9	0.0	10.7	6.2	20.0	0.0	5.4	0.0	32.7	0.0	2.4
Atriplex hastata	0.0	1.1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbarea intermedia	0.0	0.0	0.0	1.4	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0
Barbarea stricta	0.0	0.2	0.0	0.8	0.0	0.8	0.0	0.3	0.0	0.0	0.0	0.0
Barbarea vulgaris	0.5	1.4	0.0	1.8	0.0	1.9	0.0	0.7	0.0	0.3	0.0	0.3
Bidens c.f. *frondosa*	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bidens c.f. *tripartitae*	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.1	0.0	0.7
Brachypodium sylvaticum	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromus hordeaceus	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromus inermis	9.7	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0
Bunias orientalis	0.0	0.0	8.0	7.5	3.9	2.8	0.0	0.0	0.0	0.5	0.0	1.0
Callitriche spec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0
Caltha palustris	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calystegia sepium	3.2	2.1	3.6	1.4	0.0	1.4	30.7	2.6	28.9	34.1	7.0	8.7
Campanula latifolia	0.0	0.0	13.7	0.8	21.7	6.1	2.1	0.0	6.5	3.0	5.7	2.5
Campanula patula	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Campanula rapunculus	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Capsella bursa-pastoris	0.0	1.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Cardamine amara	0.0	0.4	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Appendix 9b (continued): Taxalists of floodplain vegetation in the Lahn river sections [habitat-weighted abundances per sample section].
Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

	Samples											
Taxonname	**Co_nr_05**	**Co_re_05**	**Wa_nr_05**	**Wa_re_05**	**Lu_nr_05**	**Lu_re_05**	**Co_nr_09**	**Co_re_09**	**Wa_nr_09**	**Wa_re_09**	**Lu_nr_09**	**Lu_re_09**
Cardamine flexuosa	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Cardamine impatiens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Cardamine pratensis	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carduus crispus	0.0	0.0	0.0	1.2	0.0	6.6	0.0	0.0	0.0	6.1	0.0	0.0
Carex c.f. *acutiformis*	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Carex remota	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.2
Carpinus betulus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Centaurea jacea	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.9	0.0	0.0
Cerastium holosteoides	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Chaenorhinum minus	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chaerophyllum bulbosum	29.2	8.8	0.0	3.5	2.8	4.5	22.9	7.5	1.7	6.1	3.8	5.3
Chaerophyllum hirsutum	0.0	0.0	0.0	0.2	20.7	0.0	0.0	0.0	0.0	0.3	5.4	0.0
Chelidonium majus	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chenopodium album	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chenopodium polyspermum	0.0	1.6	0.0	0.8	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Chrysanthemum leucanthemum	0.0	3.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Circaea lutetiana	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cirsium arvense	0.0	3.4	0.8	3.4	5.4	8.4	0.0	24.0	1.0	0.9	0.0	0.0
Cirsium oleraceum	0.7	0.0	4.8	2.2	1.0	0.1	0.5	0.0	0.0	0.0	1.4	0.0
Cirsium vulgare	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.5	0.0	0.0
Colchicum autumnale	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Conium maculatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0
Crataegus cf. *monogyna*	0.0	0.0	0.8	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
Crepis biennis	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cruciata laevipes	0.0	0.0	0.0	0.8	0.0	0.1	0.0	0.0	0.0	0.4	0.0	0.0
Cuscuta europaea	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.1	0.0	0.0	0.0	0.9
Cytisus scoparius	0.0	0.0	0.0	0.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Dactylis glomerata	3.3	2.7	0.0	8.2	14.0	4.4	17.9	7.8	11.4	24.1	0.0	1.8
Daucus carota	0.0	0.0	4.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Dentaria bulbifera	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
Deschampsia cespitosa	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Dryopteris filix-mas	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elodea canadensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0
Elymus repens	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.7	1.4	0.4	11.0
Epilobium adenocaulon	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.0	1.7	0.0	0.3
Epilobium c.f. *roseum*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Epilobium c.f. *tetragonum*	0.0	1.8	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium hirsutum	0.0	5.5	4.0	16.9	1.0	4.3	0.0	0.0	0.0	2.8	0.0	1.6
Epilobium montanum	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium parviflorum	0.0	1.0	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	1.9	1.4	0.0

Appendix 9b (continued): Taxalists of floodplain vegetation in the Lahn river sections [habitat-weighted abundances per sample section].

Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

	Samples											
Taxonname	**Co_nr_05**	**Co_re_05**	**Wa_nr_05**	**Wa_re_05**	**Lu_nr_05**	**Lu_re_05**	**Co_nr_09**	**Co_re_09**	**Wa_nr_09**	**Wa_re_09**	**Lu_nr_09**	**Lu_re_09**
Equisetum arvense	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	3.4	0.3	0.8	1.6
Erysimum cheiranthoides	0.0	0.7	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Euonymus europaea	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0
Fagus sylvatica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
Festuca gigantea	2.2	0.2	0.0	0.0	1.0	0.0	1.3	0.2	2.0	2.5	0.0	0.0
Festuca pratensis	0.0	0.0	8.0	0.4	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.0
Festuca rubra	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	0.0	2.6
Filipendula ulmaria	0.0	0.5	30.9	11.5	38.0	3.7	0.8	2.3	10.6	9.6	16.1	5.0
Fragaria vesca	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Fraxinus excelsior	12.1	11.0	28.1	2.8	22.1	28.6	0.0	3.2	6.9	16.9	13.7	23.1
Galeopsis bifida	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
Galeopsis tetrahit	0.0	0.0	4.8	2.5	1.1	0.0	0.0	0.0	5.1	0.6	0.0	0.0
Galium aparine	14.7	8.4	22.0	14.4	8.3	14.1	60.2	63.6	64.7	76.7	96.0	80.5
Galium mollugo	0.0	0.8	0.0	8.7	1.9	2.2	0.0	4.3	0.0	7.5	0.0	8.8
Galium palustre	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Geranium palustre	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Geranium robertianum	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.6	0.0	0.6
Geum urbanum	2.2	0.0	13.7	0.8	7.9	1.0	12.4	0.0	9.9	5.5	32.9	4.2
Glechoma hederacea	0.0	0.0	0.0	0.2	0.0	0.1	6.6	2.8	37.4	21.6	45.4	20.2
Glyceria fluitans/plicata/declinata	0.0	0.8	0.0	0.8	0.0	12.9	0.0	0.3	0.0	0.6	0.0	0.0
Gnaphalium uliginosum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Helianthus tuberosus	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.7
Heracleum mantegazzianum	0.0	0.0	0.0	9.3	18.7	11.1	0.0	0.0	0.0	20.0	0.0	7.3
Heracleum sphondylium	0.8	0.2	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Hesperis matronalis	4.2	0.0	10.4	0.0	5.1	12.5	0.0	0.0	0.0	2.7	0.0	0.2
Holcus lanatus	0.0	0.1	0.0	2.4	0.0	1.5	0.0	0.0	0.0	0.6	4.1	0.2
Humulus lupulus	2.2	1.8	0.0	8.7	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0
Hypericum hirsutum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Hypericum perforatum	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.7	0.0	0.0
Impatiens glandulifera	185.2	169.7	63.7	56.4	43.1	81.9	75.3	238.6	30.4	101.2	25.1	172.7
Impatiens noli-tangere	0.0	0.0	0.0	2.2	1.0	7.5	0.0	0.0	4.2	2.1	0.0	0.0
Iris pseudacorus	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Juncus articulatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Juncus bufonius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Juncus effusus	0.0	0.9	0.0	0.2	0.0	0.4	0.0	0.1	0.0	0.0	0.0	0.0
Knautia arvensis	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lamium album	0.0	0.9	0.8	1.9	0.0	8.4	0.0	0.0	0.0	0.0	0.0	0.2
Lamium maculatum	0.7	0.2	0.0	3.0	1.0	2.9	0.0	0.0	0.0	1.0	0.0	0.5
Lamium purpureum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
Lapsana communis	0.0	0.0	0.0	1.2	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3
Lathyrus pratensis	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 9b (continued): Taxalists of floodplain vegetation in the Lahn river sections [habitat-weighted abundances per sample section].
Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

	Samples											
Taxonname	**Co_nr_05**	**Co_re_05**	**Wa_nr_05**	**Wa_re_05**	**Lu_nr_05**	**Lu_re_05**	**Co_nr_09**	**Co_re_09**	**Wa_nr_09**	**Wa_re_09**	**Lu_nr_09**	**Lu_re_09**
Leontodon autumnalis	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Leucanthemum ircutianum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Linaria vulgaris	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lolium perenne	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	2.2	0.0	0.0
Lotus uliginosus	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Lycopus europaeus	1.5	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lysimachia vulgaris	10.6	0.9	0.8	0.0	7.2	7.1	23.2	0.0	0.0	0.6	1.0	0.7
Lythrum salicaria	0.0	0.0	0.0	0.0	0.8	0.8	0.3	1.9	0.0	1.0	0.0	0.0
Malus sylvestris	0.0	0.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0
Matricaria inodora	0.0	0.2	0.0	0.2	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0
Medicago lupulina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.7
Melilotus altissima	0.0	0.5	0.0	0.8	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Mentha aquatica	0.0	0.0	0.0	0.0	0.0	0.1	0.0	2.6	0.0	0.0	0.0	0.0
Mentha arvensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
Moehringia trinerva	0.7	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myosotis palustris	0.0	1.8	0.8	1.1	0.0	0.7	0.0	0.0	0.0	0.4	0.0	1.3
Myosoton aquaticum	0.0	1.3	0.0	0.0	0.0	1.5	0.0	3.4	0.0	8.0	4.6	4.5
Origanum vulgare	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Petasites hybridus	0.0	8.2	16.1	1.1	29.6	3.6	0.0	0.0	0.0	6.3	30.7	5.0
Phalaris arundinacea	81.6	142.8	28.7	115.2	50.6	138.6	55.2	70.4	78.7	42.1	49.2	119.1
Phleum pratense	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Pimpinella saxifraga	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Plantago intermedia	1.5	0.0	0.0	0.4	0.0	0.1	0.0	0.3	0.0	1.3	0.0	0.7
Plantago lanceolata	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
Poa annua	0.7	0.7	0.0	0.4	0.0	0.0	0.0	0.9	0.0	0.6	0.0	0.0
Poa compressa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Poa nemoralis	8.8	0.7	24.1	0.2	30.8	13.4	22.7	0.0	85.7	0.9	40.2	7.1
Poa palustris	1.5	9.8	6.0	8.3	1.0	17.2	6.7	7.7	2.7	5.8	2.0	6.4
Poa pratensis	0.0	0.0	0.0	0.1	0.0	2.9	0.0	0.2	0.0	0.0	0.0	0.0
Poa trivialis	3.2	5.7	2.0	3.1	13.2	16.1	9.6	6.8	9.8	18.7	4.3	8.7
Polygonum bistorta	0.0	0.0	4.0	0.0	16.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0
Polygonum hydropiper	0.0	4.1	0.0	5.0	0.0	2.6	0.3	14.2	0.0	1.2	0.0	1.9
Polygonum lapathifolium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.4	0.0	0.3
Polygonum persicaria	0.0	2.5	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.4	0.0
Populus spec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.3	0.0	0.0	0.0
Potentilla anserina	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Prunus spinosa	0.0	0.0	0.0	0.5	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.1
Ranunculus acris	0.0	0.8	0.0	0.2	5.1	0.3	0.0	0.0	0.0	0.0	0.0	0.7
Ranunculus ficaria	8.9	6.9	9.6	12.9	1.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0
Ranunculus flammula	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Ranunculus repens	0.0	2.1	0.0	2.2	0.0	3.2	0.0	0.1	0.0	10.4	1.1	1.2

Appendix 9b (continued): Taxalists of floodplain vegetation in the Lahn river sections [habitat-weighted abundances per sample section].

Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

	Samples											
Taxonname	**Co_nr_05**	**Co_re_05**	**Wa_nr_05**	**Wa_re_05**	**Lu_nr_05**	**Lu_re_05**	**Co_nr_09**	**Co_re_09**	**Wa_nr_09**	**Wa_re_09**	**Lu_nr_09**	**Lu_re_09**
Reynoutria japonica	0.0	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	0.0	41.1	1.6
Ribes rubrum	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2
Rorippa palustris	13.1	2.1	0.0	0.8	1.1	0.0	0.0	1.3	0.0	0.0	0.0	0.0
Rorippa sylvestris	0.0	0.0	0.0	0.4	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Rosa canina agg.	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus caesius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	0.0
Rubus fruticosus agg.	0.0	0.0	0.0	2.8	38.1	3.0	0.0	3.2	31.4	6.0	0.0	2.0
Rubus idaeus	0.0	0.0	0.0	0.2	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0
Rumex acetosa	0.0	0.1	0.8	0.2	0.0	1.4	0.0	0.0	0.0	0.3	0.0	0.0
Rumex crispus	0.0	0.8	0.0	1.9	0.0	0.3	0.0	0.3	0.0	0.1	0.0	0.0
Rumex hydrolapathum	0.0	0.0	0.0	0.8	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Rumex obtusifolius	0.0	2.7	0.0	5.4	0.0	0.0	1.6	0.8	0.0	0.3	0.0	0.3
Rumex sanguineus	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.3	0.0	0.0
Salix caprea	0.0	0.2	0.0	0.0	30.4	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Salix fragilis	272.2	58.9	16.1	136.1	134.7	43.3	136.6	17.8	90.0	59.6	20.6	63.1
Salix purpurea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Salix triandra	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	0.0	43.1	0.0	0.0
Salix viminalis	4.9	36.1	0.0	12.9	42.1	32.9	0.0	10.2	0.0	15.2	0.0	0.0
Salix x *rubens*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8	0.0	13.3	0.0	1.6
Sambucus nigra	0.0	0.0	0.0	0.0	0.0	0.0	21.6	0.0	0.0	16.6	0.0	0.3
Sambucus racemosa	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sanguisorba major	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saponaria officinalis	0.0	5.0	0.0	10.5	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Scheuchzeria palustris	0.0	0.0	0.0	0.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0
Scirpus sylvaticus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Scrophularia nodosa	0.0	0.9	0.0	0.4	0.0	0.6	0.0	0.0	0.0	0.9	0.0	0.0
Scrophularia umbrosa	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.2	0.0	0.0	0.0	0.0
Scutellaria galericulata	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3
Senecio fuchsii	0.0	0.0	4.0	0.3	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.7
Silene dioica	11.4	2.8	13.7	7.1	13.3	4.7	1.9	1.7	2.8	4.9	6.9	2.1
Sinapis arvensis	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sisymbrium officinale	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Solanum dulcamara	0.0	0.2	0.0	4.1	0.0	1.2	0.0	0.2	0.0	0.1	0.0	0.5
Solanum nigrum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Sonchus oleraceus	0.0	0.0	0.8	0.4	14.4	1.1	0.0	0.0	0.0	0.0	0.0	0.7
Sorbus aucuparia	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
Stachys palustris	4.4	0.0	0.0	9.5	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Stachys sylvatica	0.7	0.0	8.8	4.0	3.1	1.9	0.0	0.0	12.3	6.5	8.2	4.0
Stellaria graminea	0.0	0.0	0.0	0.4	0.0	1.2	0.0	1.7	0.0	0.0	0.0	0.2
Stellaria holostea	11.0	0.1	0.0	0.0	0.0	1.5	1.9	0.0	4.2	0.0	0.0	0.2
Stellaria media	0.0	0.7	0.0	2.5	0.0	1.2	2.6	0.2	0.3	3.1	0.0	0.3

Appendix 9b (continued): Taxalists of floodplain vegetation in the Lahn river sections [habitat-weighted abundances per sample section].
Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

	Samples											
Taxonname	**Co_nr_05**	**Co_re_05**	**Wa_nr_05**	**Wa_re_05**	**Lu_nr_05**	**Lu_re_05**	**Co_nr_09**	**Co_re_09**	**Wa_nr_09**	**Wa_re_09**	**Lu_nr_09**	**Lu_re_09**
Stellaria nemorum	17.1	5.3	28.1	10.3	47.2	17.9	26.0	11.3	108.6	29.5	31.5	6.0
Stellaria uliginosa	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Symphytum officinalis	7.3	17.0	8.0	1.0	3.9	9.5	0.2	1.4	1.4	1.2	0.0	2.2
Tanacetum vulgare	0.0	0.9	0.0	11.3	5.4	4.6	0.0	0.0	0.0	7.3	0.0	2.5
Taraxacum officinale agg.	0.7	0.0	0.0	0.8	0.0	0.1	0.7	0.0	0.0	2.2	0.0	1.3
Thlaspi arvense	0.0	0.7	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Torilis japonica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
Trifolium dubium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Trifolium pratense	0.0	0.0	0.0	0.1	0.0	1.5	0.0	0.0	0.0	1.4	0.0	0.0
Trifolium repens	0.0	0.9	0.0	0.0	0.0	0.8	0.0	0.0	0.0	5.2	0.0	0.8
Trisetum flavescens	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Tussilago farfara	0.0	0.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Typha latifolia	0.0	0.8	0.0	0.0	0.0	3.1	0.0	7.8	0.0	0.0	0.0	0.0
Urtica dioica	155.6	78.0	111.9	88.0	87.6	77.3	277.0	210.9	196.4	189.1	154.5	182.3
Valeriana officinalis agg.	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	1.2
Valerianella locusta	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Verbascum nigrum	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Veronica arvensis	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Veronica beccabunga	0.0	0.0	0.0	0.4	0.0	0.9	0.0	0.0	0.0	0.6	0.0	0.7
Veronica chamaedrys	0.0	0.0	0.8	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Vicia cracca	0.0	0.4	0.0	0.1	0.0	0.0	0.2	0.0	1.0	4.0	0.0	1.1
Vicia hirsuta	0.0	0.3	0.0	0.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3
Vicia sepium	0.0	0.0	0.0	1.8	2.1	0.3	0.0	0.0	0.0	1.1	0.0	0.0
Vicia tetrasperma	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0

Appendix 9c: Taxalists of carabid beetles in the Lahn river sections [habitat-weighted abundances per sample section].
Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

	Samples											
Taxonname	**Co_nr_05**	**Co_re_05**	**Wa_nr_05**	**Wa_re_05**	**Lu_nr_05**	**Lu_re_05**	**Co_nr_09**	**Co_re_09**	**Wa_nr_09**	**Wa_re_09**	**Lu_nr_09**	**Lu_re_09**
Abax parallelepipedus	0.0	3.2	59.9	16.2	58.8	7.6	0.0	10.6	4.9	0.0	24.6	0.0
Agonum emarginatum	0.0	10.2	0.0	0.0	0.0	10.5	0.0	1.7	0.0	2.5	0.0	15.5
Agonum fuliginosum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6	0.0	0.0
Agonum micans	29.2	0.0	0.0	0.0	0.0	42.0	32.1	55.2	0.0	0.0	0.0	35.7
Agonum thoreyi	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agonum viduum	0.0	6.7	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.5
Amara eurynota	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.4	0.0
Amara similata	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0	0.0	0.0	28.8
Anchomenus dorsalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0
Anisodactylus binotatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8
Bembidion articulatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.8	0.0	6.3	0.0	0.0
Bembidion atrocaeruleum	0.0	39.5	0.0	252.9	0.0	68.4	0.0	30.8	0.0	52.7	0.0	444.2

Appendix 9c (continued): Taxalists of carabid beetles in the Lahn river sections [habitat-weighted abundances per sample section].

Samples are quoted with the sample code 'sample section_status_year of investigation'. Sample sections: Co = Cölbe, Lu = Ludwigshütte, Wa = Wallau; status: nr = non-restored, re = restored.

	Samples											
Taxonname	**Co_nr_05**	**Co_re_05**	**Wa_nr_05**	**Wa_re_05**	**Lu_nr_05**	**Lu_re_05**	**Co_nr_09**	**Co_re_09**	**Wa_nr_09**	**Wa_re_09**	**Lu_nr_09**	**Lu_re_09**
Bembidion decorum	0.0	149.3	0.0	198.1	0.0	23.5	0.0	51.4	0.0	127.9	0.0	21.8
Bembidion dentellum	0.0	0.0	0.0	0.0	0.0	21.0	0.0	12.0	0.0	0.0	0.0	90.3
Bembidion guttula	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion lampros	0.0	0.0	0.0	0.0	0.0	5.3	0.0	14.1	0.0	18.6	0.0	0.0
Bembidion obliquum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.3	0.0	0.0
Bembidion quadrimaculatum	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Bembidion semipunctatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bembidion tetracolum	14.6	20.8	0.0	66.8	39.2	91.6	42.8	88.3	0.0	26.2	0.0	7.8
Bembidion tibiale	0.0	115.5	0.0	9.7	0.0	20.6	0.0	6.8	0.0	13.8	0.0	15.2
Carabus auratus	0.0	11.4	32.0	9.7	0.0	21.0	32.1	0.0	0.0	0.0	0.0	0.0
Carabus granulatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.2	0.0	35.2
Carabus nemoralis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	2.5	0.0	0.0	0.0
Carabus problematicus	14.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clivina collaris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0
Clivina fossor	0.0	0.0	0.0	0.0	19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dyschirius aeneus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0
Dyschirius globosus	0.0	0.0	63.9	0.0	0.0	21.0	0.0	7.0	0.0	93.1	0.0	6.3
Elaphropus parvulus	0.0	35.2	0.0	6.5	0.0	226.8	0.0	0.0	0.0	0.0	0.0	0.0
Elaphrus cupreus	0.0	0.0	0.0	0.0	0.0	15.8	0.0	0.0	0.0	0.0	0.0	15.0
Elaphrus riparius	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0
Harpalus rufipes	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	0.0
Limodromus assimilis	87.7	0.0	0.0	3.2	0.0	10.5	0.0	21.1	2.5	0.0	0.0	0.0
Loricera pilicornis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	18.6	0.0	0.0
Nebria brevicollis	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0	0.0	6.8	0.0	0.0
Notiophilus biguttatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	0.0
Notiophilus palustris	0.0	0.0	0.0	0.0	0.0	7.6	0.0	7.0	0.0	0.0	0.0	0.0
Paranchus albipes	14.6	59.4	0.0	22.6	117.7	0.0	0.0	20.8	0.0	18.8	0.0	14.7
Patrobus atrorufus	14.6	0.0	0.0	0.0	0.0	0.0	10.7	10.6	0.0	0.0	0.0	0.0
Poecilus cupreus	29.2	0.0	0.0	19.5	0.0	10.5	0.0	55.2	0.0	0.0	0.0	0.0
Poecilus versicolor	0.0	0.0	0.0	19.5	0.0	62.9	0.0	276.0	0.0	34.7	0.0	173.1
Pterostichus anthracinus	0.0	0.0	32.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0
Pterostichus melanarius	73.1	0.0	32.0	19.5	0.0	10.5	32.1	21.1	0.0	0.0	0.0	0.0
Pterostichus niger	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pterostichus nigrita	29.2	3.2	0.0	16.2	0.0	47.3	0.0	0.0	0.0	18.6	0.0	7.3
Pterostichus oblongopunctatus	0.0	0.0	0.0	0.0	0.0	0.0	21.4	7.0	0.0	0.0	0.0	0.0
Pterostichus strenuus	0.0	0.0	0.0	0.0	0.0	10.5	0.0	17.6	0.0	0.0	49.1	12.6