

APPENDIX 7.2

Relevé Data for Vegetation Communities in the Lower River Shannon SAC at the River Maigue crossing point

| VEGETATION RELEVÉ CARD | | | | |
|--|-------------------------------|--|--|---------------|
| <u>Site name:</u> River Maigue | <u>Locality:</u> Islandea | <u>Site number:</u> KER26 | <u>Quadrant number:</u> 1 | |
| <u>Photo:</u> | <u>Date:</u> 20/08/19 | <u>Recorder:</u> P.Murphy | <u>Quadrant Grid Ref:</u> 545929 647003 | |
| <u>Site description:</u> River in tidal stretch with artificial flood embankments c8-10m from river banks. River banks steeply sloping. | | <u>Quadrat description:</u> Lower river bank (west), bottom of tidal range. | | |
| <u>Altitude:</u> 1m | <u>Aspect:</u> East facing | <u>Slope:</u> 15° | <u>Notes:</u> | |
| <u>Vegetation cover:</u> | <u>Cover (%):</u> | <u>Height (cm):</u> | | |
| Total cover | 20 | | 91–100% | 10 |
| Trees/ Shrub | | | 76–90% | 9 |
| Dwarf shrub | | | 51–75% | 8 |
| Heath | | | 34–50% | 7 |
| Herb/grass | 20 | | 26–33% | 6 |
| Lichens & Bryophyte | | 20 | 11–25% | 5 |
| Algae | | | 4–10% | 4 |
| | | | <4% (many individuals) | 3 |
| | | | <4% (several individuals) | 2 |
| | | | <4% (few individuals) | 1 |
| | | | Small numbers adjacent | + |
| <u>Species:</u> | | <u>Cover:</u> | <u>Species:</u> | <u>Cover:</u> |
| Bare mud | | 9 | | |
| Callitriche | | 4 | | |
| Rumex crispus subsp. uliginosus | | 2 | | |
| Alisma plantago-aquatica | | 2 | | |
| Polygonum hydropiper | | 4 | | |
| Apium nodiflorum | | 4 | | |
| Scirpus maritimus | | + | | |
| Beta vulgaris sup. sp. maritima | | + | | |

| VEGETATION RELEVE CARD | | | | | |
|---|---|---|--|--|------------------------------|
| <u>Site name:</u> River Maigue | | <u>Locality:</u> Islandea | | <u>Site number:</u> KER26 | <u>Quadrant number:</u> 2 |
| <u>Photo:</u> | | <u>Date:</u> 20/08/19 | | <u>Recorder:</u> P.Murphy | <u>Quadrant Grid Ref:</u> |
| <u>Site description:</u> River in tidal stretch with artificial flood embankments c8-10m from river banks. River banks steeply sloping with level / gently sloping terrace to flood embankment. | | | <u>Quadrat description:</u> Mid to upper river bank (west), middle of tidal range. | | |
| <u>Altitude:</u> 1.5m | <u>Aspect:</u> East facing | <u>Slope:</u> 25° | <u>Notes:</u> | | |
| <u>Vegetation cover:</u> Total cover Trees/ Shrub Dwarf shrub Heath Herb/grass Lichens & Bryophyte Algae | <u>Cover (%):</u> 100 100 | <u>Height (cm):</u> 60 | 91–100% 76–90% 51–75% 34–50% 26–33% 11–25% 4–10% <4% (many individuals) <4% (several individuals) <4% (few individuals) Small numbers adjacent | 10 9 8 7 6 5 4 3 2 1 + | |
| <u>Species:</u> Phalaris arundinacea Apium nodiflorum Nasturtium officinale Polygonum hydropiper Rumex crispus subsp. Uliginosus Myosotis scorpioides Mentha aquatica Salix sp. Ranunculus repens Carex riparia Veronica beccabunga Solanum dulcemara | | <u>Cover:</u> 7 3 6 4 3 4 4 1 4 4 4 1 | <u>Species:</u> | <u>Cover:</u> | |

| VEGETATION RELEVE CARD | | | | |
|---|---|--|--|--|
| <u>Site name:</u> River Maigue | | <u>Locality:</u> Islandea | | <u>Site number:</u> KER26 |
| <u>Photo:</u> | | <u>Date:</u> 20/08/19 | <u>Recorder:</u> P.Murphy | <u>Quadrant number:</u> 3 |
| <u>Site description:</u> River in tidal stretch with artificial flood embankments c8-10m from river banks. River banks steeply sloping with level / gently sloping terrace to flood embankment. | | | <u>Quadrat description:</u> From upper river bank (west) to toe of flood embankment. Cattle access. | |
| <u>Altitude:</u> 3.5m | <u>Aspect:</u> East facing | <u>Slope:</u> 5° | <u>Notes:</u> | |
| <u>Vegetation cover:</u> Total cover Trees/ Shrub Dwarf shrub Heath Herb/grass Lichens & Bryophyte Algae | <u>Cover (%):</u> 100 100 | <u>Height (cm):</u> 60-90 | 91–100% 76–90% 51–75% 34–50% 26–33% 11–25% 4–10% <4% (many individuals) <4% (several individuals) <4% (few individuals) Small numbers adjacent | 10 9 8 7 6 5 4 3 2 1 + |
| <u>Species:</u> Glyceria fluitans Agrostis stolonifera Juncus acutiflorus Juncus effuses Ranunculus repens Veronica beccabunga Myosotis scorpioides Scrophularia nodosa Senecio aquatilis Nasturtium officinale Rumex crispus Epilobium hirsutum Galium palustre Angelica sylvestris Trifolium repens Plantago major Apium nodiflorum Carex riparia | | <u>Cover:</u> 4 7 4 4 5 5 3 3 3 3 1 4 2 5 2 1 1 | <u>Species:</u> | <u>Cover:</u> |

| VEGETATION RELEVE CARD | | | | |
|---|------------------------|---|---------------------------|------------------------------|
| <u>Site name:</u> River Maigue | | <u>Locality:</u> Islandea | | <u>Site number:</u> KER26 |
| <u>Photo:</u> | | <u>Date:</u> 20/08/19 | | <u>Quadrant number:</u> 4 |
| <u>Site description:</u> Drainage ditch to west of flood embankments west of Maigue. | | <u>Quadrat description:</u> Instream and marginal plant community in steep sided drains with c1m high banks. | | |
| <u>Altitude:</u> 3.5m | <u>Aspect:</u> Open | <u>Slope:</u> | <u>Notes:</u> | |
| <u>Vegetation cover:</u> | <u>Cover (%):</u> | <u>Height (cm):</u> | | |
| Total cover | 100 | | 91-100% | 10 |
| Trees/ Shrub | | | 76-90% | 9 |
| Dwarf shrub | | | 51-75% | 8 |
| Heath | | | 34-50% | 7 |
| Herb/grass | 100 | | 26-33% | 6 |
| Lichens & Bryophyte | | 60-90 | 11-25% | 5 |
| Algae | | | 4-10% | 4 |
| | | | <4% (many individuals) | 3 |
| | | | <4% (several individuals) | 2 |
| | | | <4% (few individuals) | 1 |
| | | | Small numbers adjacent | + |
| <u>Species:</u> | | <u>Cover:</u> | <u>Species:</u> | <u>Cover:</u> |
| Potamogeton natans | | 4 | | |
| Sparganium erectum | | 4 | | |
| Phalaris arundinacea | | 6 | | |
| Carex riparia | | 4 | | |
| Lemna minor | | 5 | | |
| Callitriche sp. | | 5 | | |
| Nasturtium officinale | | 6 | | |
| Alisma plantago-aquatica | | 1 | | |
| Glyceria fluitans | | 2 | | |
| Lythrum salicaria | | 5 | | |
| Filipendula ulmaria | | 3 | | |
| Equisetum fluviatile | | 3 | | |
| Urtica dioica | | 4 | | |
| Agrostis stolonifera | | 4 | | |
| Arrhenatherum elatius | | 4 | | |
| Juncus acutiflorus | | 2 | | |
| Myosotis scorpioides | | 4 | | |
| Scrophularia nodosa | | 1 | | |
| Epilobium hirsutum | | 1 | | |
| Galium palustre | | 1 | | |
| Angelica sylvestris | | 1 | | |
| Valeriana officinalis | | 3 | | |

| VEGETATION RELEVE CARD | | | | | |
|--|--|--|--|--|--|
| <u>Site name:</u> River Maigue | | <u>Locality:</u> Islandea | | <u>Site number:</u> KER26 | <u>Quadrant number:</u> 4 |
| <u>Photo:</u> | | <u>Date:</u> 20/08/19 | | <u>Recorder:</u> P.Murphy | <u>Quadrant Grid Ref:</u> 545953 646999 |
| <u>Site description:</u> River in tidal stretch with artificial flood embankments c8-10m from river banks. River banks steeply sloping with level / gently sloping terrace to flood embankment. | | | <u>Quadrat description:</u> Mid to upper river bank (east), middle of tidal range. | | |
| <u>Altitude:</u> 1.5m | <u>Aspect:</u> West facing | <u>Slope:</u> 25° | <u>Notes:</u> OPW clearance of woody veg. Drift brush at upper flood mark. Cattle access. | | |
| <u>Vegetation cover:</u> Total cover Trees/ Shrub Dwarf shrub Heath Herb/grass Lichens & Bryophyte Algae | <u>Cover (%):</u> 100 10 90 | <u>Height (cm):</u> 200 60 | 91–100% 76–90% 51–75% 34–50% 26–33% 11–25% 4–10% <4% (many individuals) <4% (several individuals) <4% (few individuals) Small numbers adjacent | 10 9 8 7 6 5 4 3 2 1 + | |
| <u>Species:</u> Nasturtium officinale Rumex crispus subsp. Uliginosus Polygonum hydropiper Apium nodiflorum Salix sp. Agrostis stolonifera Ranunculus repens Sparganium erectum Phalaris arundinacea Myosotis scorpioides Senecio aquaticus Mentha aquatica Lemna minor Carex riparia Veronica beccabunga | | <u>Cover:</u> 7 3 4 5 4 5 5 2 2 3 2 3 4 2 2 | <u>Species:</u> | <u>Cover:</u> | |

| VEGETATION RELEVE CARD | | | | |
|--|--|---|--|--|
| <u>Site name:</u> River Maigue | <u>Locality:</u> Islandea | <u>Site number:</u> KER26 | <u>Quadrant number:</u> 8 | |
| <u>Photo:</u> | <u>Date:</u> 20/08/19 | <u>Recorder:</u> P.Murphy | <u>Quadrant Grid Ref:</u> | |
| <u>Site description:</u> River in tidal stretch with artificial flood embankments c8-10m from river banks. River banks steeply sloping with level / gently sloping terrace to flood embankment. | | <u>Quadrat description:</u> From upper river bank (east) to toe of flood embankment. Cattle access. | | |
| <u>Altitude:</u> 3.5m | <u>Aspect:</u> East facing | <u>Slope:</u> 5° | <u>Notes:</u> | |
| <u>Vegetation cover:</u> Total cover Trees/ Shrub Dwarf shrub Heath Herb/grass Lichens & Bryophyte Algae | <u>Cover (%):</u> 100 <u>100</u> | <u>Height (cm):</u> 60 - 90 | 91–100% 76–90% 51–75% 34–50% 26–33% 11–25% 4–10% <4% (many individuals) <4% (several individuals) <4% (few individuals) Small numbers adjacent | 10 9 8 7 6 5 4 3 2 1 + |
| <u>Species:</u> Glyceria fluitans Agrostis stolonifera Juncus acutiflorus Juncus effuses Veronica beccabunga Myosotis scorpioides Rumex crispus Ranunculus repens Scrophularia nodosa Senecio aquatilis Polygonum hydropiper Plantago major Trifolium repens Cardamine pratensis Nasturtium officinale Epilobium hirsutum Galium palustre Angelica sylvestris Apium nodiflorum Iris foetidissima | | <u>Cover:</u> 5 5 4 3 4 4 3 5 2 3 3 3 4 3 5 2 4 1 2 1 | <u>Species:</u> | <u>Cover:</u> |