

Woolston Eyes Recorded Species List - Grasses, Sedges and Rushes.revJan2023

Grasses, sedges, rushes and typha belong to the same plant order, Poales, classified as monocotyledons (typical flowering plants belong to the class, dicotyledons). There are sixteen families in the order Poales. Grasses are grouped under the family 'Poaceae', Sedges under 'Cyperaceae', Rushes under 'Juncaceae' and Typh under 'Typhaceae'.

The following list of the species found and identified at Woolston Eyes is separated into the relative families above and is in alphabetical order of the binomial name. No indication of the relative abundance of each species is given but, the first and last year of recording are noted against the species and relate to the particular surveys dated below.

The surveys, in reverse chronological order, are;

- 2022 A photographic species record of No.1 bed from July 2021- July 2022 by John Blundell and David Riley.
- 2018 Surveys conducted by Margaret Rawlins and colleagues over the period 2013-2018
- 1996 A survey conducted by Mike Lees on the grasses, sedges, rushes and typha on the Reserve.
- 1990 A survey carried out by the Cheshire Conservation Trust Ltd, (organised by Mrs E M Nall) on No.3 bed in the summer of 1990.
- 1985 Article by Albert Cook, Aquatic Flora & Fauna on No.3 Bed, published in the 1985 WECG Annual Report.
Article by Duncan McNaughton, Butchersfield, published in the 1985 WECG Annual Report.
Article by P J Nichols, Trees Along the Mersey, published in the 1985 WECG Annual Report
The 1985 Management Plan contains a list of flora compiled from data collected over an unknown period.
- 1983 Article by D McNaughton, Some Plants of the Eyes, published in the 1983 WECG Annual Report.
- 1980 Ecological report and recommendations published by Warrington New Town Development Corporation.
No information is available of this report but a list of species, presumed extracted, is available.

Further species could be added to the list if we could review any of the reports below.

- 1979 Further general study of the Deposit Grounds by members of Warrington New Town Development Corporation, including a mammal survey using live trapping techniques and a botanical survey.
No information is available of this report but it has been established that the 1980 list above is from work covered in this survey.
- 1978 Detailed Survey of No.3 bed together with vegetation map of part of the area by R Barber, Warrington New Town Development Corporation and summarised in a report to the WNTDC in June 1979.
No information is available of this report.
- 1975 Analysis of vegetation samples on No. 2, 3 and 4 beds by D Potts, post graduate student, University of Salford.
No information is available of this report.
- 1974 Species list of plants on the embankments of beds Nos. 3 and 4, plus limited vegetation sampling on No.3 bed by S M Adams, S C Edwards, D Moffatt, Warrington New Town Development Corporation.
No information is available of this report.
- 1973 General account of beds Nos.2 and 3 by R Tomlinson, post graduate student, University of Salford.
No information is available of this report.

List of the Grasses identified on Woolston Eyes from 1980 to 2022 revJan2023

Order: Poales Family: Poaceae

	Species	English Name	Recorded	
			First	Last
1	<i>Agropyrum repens</i>	Couch Grass	1980	2022
2	<i>Agrostis canina</i>	Brown Bent Grass	1980	1996
3	<i>Agrostis capillaris</i>	Common Bent Grass	1980	2022
4	<i>Agrostis stolonifera</i>	Creeping Bent Grass	1980	1996
5	<i>Aira praecox</i>	Early Hair-grass	1996	1996
6	<i>Alopecurus pratensis</i>	Meadow Fox-Tail Grass	1980	1996
7	<i>Ammophila arenaria</i>	Marram Grass	1983	1983
8	<i>Anisantha sterilis</i>	Barren Brome	1996	1996
9	<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	1996	2022
10	<i>Arrhenatherum elatius</i>	False Oat Grass	1980	2022
11	<i>Briza maxima</i>	Ornamental Quaking Grass	2013	2013
12	<i>Bromus commutatus</i>	Meadow Brome	2022	2022
13	<i>Bromus hordeaceus</i>	Common Soft-brome	1996	1996
14	<i>Calamagrostia epigeios</i>	Wood Reed-grass	1996	1996
15	<i>Cynosurus cristatus</i>	Crested Dog's-tail	1996	2022
16	<i>Dactylis glomerata</i>	Cocks-Foot	1980	2022
17	<i>Deschampsia caespitosa</i>	Tufted Hair-grass	1980	1996
18	<i>Deschampsia flexuosa</i>	Wavy Hair-grass	1996	1996
19	<i>Schedonorus arundinacea</i>	Tall Fescue	1996	1996
20	<i>Festuca ovina</i>	Sheep's Fescue	1996	1996
21	<i>Festuca pratensis</i>	Meadow Fescue	1996	1996
22	<i>Festuca rubra</i>	Red Fescue	1985	1996
23	<i>Glyceria fluitans</i>	Floating Sweet-grass	1996	1996
24	<i>Glyceria maxima</i>	Reed Sweet-grass	1980	1990
25	<i>Holcus lanatus</i>	Yorkshire Fog	1980	2022
26	<i>Holcus mollis</i>	Creeping Soft Grass	1996	1996
27	<i>Hordeum murinum</i>	Wall Barley	2018	2022
28	<i>Lolium multiflorum</i>	Italian Rye-Grass	1980	1996
29	<i>Lolium perenne</i>	Perennial Rye-Grass	1980	1996
30	<i>Phalaris arundinacea</i>	Reed Canary Grass	1980	1996
31	<i>Phleum pratense</i>	Timothy	1980	1996
32	<i>Phragmites australis</i>	Common Reed	1980	2022
33	<i>Poa annua</i>	Annual Meadow Grass	1980	1996
34	<i>Poa pratensis</i>	Smooth Meadow Grass	1980	1996
35	<i>Poa trivialis</i>	Rough Meadow Grass	1990	2022
36	<i>Triticum aestivum</i>	Wheat	2018	2018
37	<i>Vulpia bromoides</i>	Squirrel-tailed Fescue	1996	1996

List of the Sedges identified on Woolston Eyes from 1980 to 2023 revJan2023

Order: Poales **Family:** Cyperaceae

	Species	English Name	Recorded	
			First	Last
1	<i>Carex acutiformis</i>	Lesser Pond Sedge	1990	1990
2	<i>Carex hirta</i>	Hairy Sedge	1980	1996
3	<i>Carex humilis</i>	Dwarf Sedge	1995	1996 A
4	<i>Carex leporine</i>	Oval Sedge	1996	1996
5	<i>Carex otrubae</i>	False Fox Sedge	1985	1985
6	<i>Carex pseudocyperus</i>	Cyperus Sedge	1990	1990
7	<i>Carex remota</i>	Remote Sedge	1996	1996
8	<i>Carex pendula</i>	Pendulus Sedge	2022	2022

A. A comment on the Dwarf Sedge found was noted as “The Dwarf Sedge, though not rare, is generally a southern species. Only a dozen specimens were found on the south-east of No.2 bed”.

List of the Rushes identified on Woolston Eyes from 1980 to 2023 revJan2023

Order: Poales **Family:** Junaceae

	Species	Common name	Recorded	
			First	Last
1	<i>Eleocharis palustris</i>	Common Spike-rush	1996	1996
2	<i>Juncus articulatus</i>	Jointed Rush	1980	1980
3	<i>Juncus bufonius</i>	Toad Rush	1996	1996
4	<i>Luzula campestris</i>	Field Woodrush	1985	2022
5	<i>Juncus compressus</i>	Round-fruited Rush	1996	1996
6	<i>Juncus conglomertatus</i>	Compact Rush	1985	1985 B
7	<i>Juncus effusus</i>	Soft Rush	1980	2022
8	<i>Juncus inflexus</i>	Hard Rush	1980	1996

B. Found on the area to the east of No.1 bed before it was lost to waste disposal landfill.

List of the Typha identified on Woolston Eyes from 1980 to 2023 revJan2023

Order: Poales **Family:** Typhaceae

	Species	Common Name	Recorded	
			First	Last
1	<i>Typha latifolia</i>	Great Reedmace	1985	2022