

Monaghan Fen Survey II

Volume III: Site Survey Photographic Reports Part 1 of 2

Report for Monaghan County Council & The National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Ireland



Prepared on behalf of Wetland Surveys by: Dr Peter Foss & Patrick Crushell

October 2008



An Action of the Monaghan Heritage Plan 2006-2010











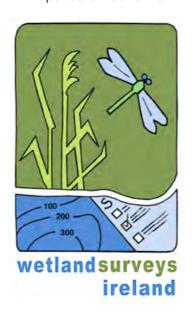
Monaghan Fen Survey II 2008

Volume III: Site Survey Photographic Reports

Report for the Monaghan County Council & The Heritage Council, Ireland

An Action of the Monaghan Heritage Plan 2006-2010

Prepared on behalf of



by

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Photographic Plate Credits

Volume III - Images of Monaghan fens from the MFS II with Site Notes

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Report cover images:

Left: – Common club-rush (*Schoenoplectus lacustris*) forming a narrow reed bed fringe on the shore Killyboley Lough.

Top: – Reed mace (*Typha latifolia*) marsh forming a fringe on the shore of Lough Aphuca.

Bottom: – Cutover bog area with Ling heather (*Calluna vulgaris*) peat hags and intervening pool and poor fen areas at Lough Nahinch.

Photographic record with Notes of all sites surveyed in detail during the Monaghan Fen Survey 2008

(Sorted in alphabetical order by site name)

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County: Monaghan

Site Name: Aghafin Lough Little Site Code Number: MFS - 09 Date of survey: 19 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2418: P1 - View to the south-east over the northern of the two lakes marked on 6 inch OS map. The shore-line is dominated by reed beds which are infilling the lake.



DSC 2419: P2 - View to the south-west over the northern of the two lakes marked on 6 inch OS map. There is a broad area dominated by reed beds which are infilling the lake, with willow scrub forming a fringe with the adjacent pasture.

Site Name: Aghafin Lough Little cont.



DSC 2420: P3 - View along the south-west edge of the site, with willow scrub forming a fringe with the adjacent wet grassland.

County: Monaghan Site Name: Aghafin Lough Site Code Number: MFS - 17 Date of survey: 19 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2426: P1 - Wet grassland area dominated by *Juncus effusus* at south western edge of the site, with willow dominated cutover bog behind.



DSC 2431: P2 - Cutover bog area dominated by *Molinia caerulea*, with scattered stands of Ling Heather at the western end of the site. Willow scrub forms fringe with adjacent farmland.

Site Name: Aghafin Lough cont. Site Code Number: MFS - 17



DSC 2432: P2 - Cutover bog area dominated by *Molinia caerulea*, with scattered stands of Ling Heather at the western end of the site.



DSC 2443: P3 - Birch and willow woodland area at the eastern end of the site near Aghafin Lough. The understory is dominated by Brambles.

Site Name: Aghafin Lough cont. Site Code Number: MFS - 17



DSC 2426: P4 - View from the western shore of Aghafin Lough showing the fringing *Typha latifolia* swamp area which surrounds all of the lake.



DSC 2449: P4 - View from the western shore of Aghafin Lough showing the fringing *Typha latifolia* swamp area which surrounds all of the lake, with wet willow alder woodland behind.

County: Monaghan

Site Name: Annagose Lough Site Code Number: MFS - 10 Date of survey: 18 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2276: P1 - Wet marshland area at the western end of the site with wet grassland, wet woodland vegetation surrounding the wet depression, with scrub on higher ground.



DSC 2277: P1 - Wet marshland area at the western end of the site with wet grassland and scrub vegetation surrounding the wet depression.

Site Name: Annagose Lough cont.



DSC 2283: P2 - View to the east over Annagose Lough, showing the relatively steep drumlins running down to lake and the lack of any major marginal wetland areas.



DSC 2285: P3 - North western rocky shoreline of Annagose Lough, showing sparse wetland vegetation fringe around lakeshore.

Site Name: Annagose Lough cont.



DSC 2292: P4 - South western rocky shoreline of Annagose Lough, with emergent *Polygonum amphibium*. As farmland extends down to lakeshore around much of the lake, wetland communities are of limited extent.



DSC 2293: P3 - North western rocky shoreline of Annagose Lough, showing fence line running into lake.

County: Monaghan

Site Name: Annyalty Lough Site Code Number: MFS - 11 Date of survey: 15 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2064: P1 - The northern Annyalty Lough, looking east, showing a fringe of reed bed surrounding the lake, with scattered willow stands.



DSC 2066: P2 - The northern Annyalty Lough, looking to north-east, showing a fringe of reed bed and wet grassland surrounding the lake, with scattered wet willow and alder woodland in the distance.

Site Name: Annyalty Lough cont. Site Code Number: MFS - 11



DSC 2069: P3 - The southern Annyalty Lough, looking south, showing a fringe of reed bed surrounding the lake and the relatively steeply sloped drumlins and improved grassland surrounding lake.



DSC 2070: P4 - The southern Annyalty Lough, looking east, showing a fringe of reed bed surrounding the lake, and the improved pasture on surrounding drumlins.

County: Monaghan Site Name: Bishops Lough Site Code Number: MFS - 12 Date of survey: 18 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2349: P1 - The reed beds and swamp vegetation around the eastern of the two lakes at Bishops Lough, and extensive floating macrophyte communities. View is to the north.



DSC 2351: P2 - The boundary area between the improved grassland and wetland vegetation on the southern shore of the two lakes at Bishops Lough.

Site Name: Bishops Lough cont. Site Code Number: MFS - 12



DSC 2355: P3 - The reed beds around the north western of the two lakes at Bishops Lough, dominated by *Phragmites australis*. View is to the north east.



DSC 2359: P4 - The *Carex disticha* swamp vegetation around the north western of the two lakes at Bishops Lough. View is to the east.

Site Name: Bishops Lough cont. Site Code Number: MFS - 012



DSC 2369: General view of the north western of the two lakes at Bishops Lough, showing the marginal reed bed communities and scattered alder fringe between reed beds and adjacent improved grassland. View is to the north.

County: Monaghan

Site Name: Black Lough (Black & Derrygoony Loughs NHA)

Site Code Number: 1596 Date of survey: 16 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2190: P1 - Area of wet grassland used for silage production along the north eastern edge of the wetland area at Black Lough.



DSC 2191: P1 - Area of transition mire and mixed swamp vegetation with wet woodland areas at the northern end of Black Lough. The area of conifer afforestation can be seen in the distance. View westwards.

Site Name: Black Lough (Black & Derrygoony Loughs NHA) cont.

Site Code Number: 1596



DSC 2194: P2 - Area of transition mire at the northern end of Black Lough.



DSC 2192: P2 - Area of transition mire at the northern end of Black Lough.



DSC 2200: P3 - View eastwards over the northern half of Black Lough. Marginal reed bed communities surround much of the lake.

County: Monaghan

Site Name: Black Lough (Lough Bawn NHA)

Site Code Number: 1595 Date of survey: 16 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2182: P1 - Taking water conductivity reading in the reed bed formed by *Phragmites australis* on the northern shore of Lough Bawn.



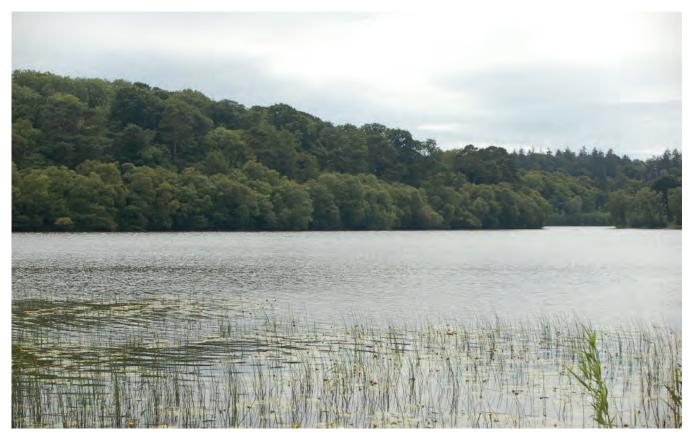
DSC 2183: P2 - View along the north eastern shore of Lough Bawn, with sparse reed bed vegetation in the foreground and extensive mixed deciduous woodland extending down to lakeshore in the distance.

Site Name: Black Lough (Lough Bawn NHA) cont.

Site Code Number: 1595



DSC 2184: P3 - View along the north western shore of Lough Bawn, with sparse reed bed vegetation in the foreground and extensive mixed deciduous woodland extending down to lakeshore in the distance.



DSC 2187: P4 - View towards the south over Lough Bawn, showing mature mixed woodland extending down to lakeshore around much of the lake and the absence of significant wetland communities.

County: Monaghan

Site Name: Cargaghmore Fen Site Code Number: MFS - 13 Date of survey: 16 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2155: P1 - Recently infilled area of former wet grassland and marsh to the north of the road running through the site.



DSC 2156: P2 - View to south over Cargaghmore fen and cutover bog, with recently drained and ditched area of wetland adjacent to the road running through the site.

Site Name: Cargaghmore Fen cont.



DSC 2159: P2 - View to south over Cargaghmore, with recently drained and ditched area of wetland adjacent to the road running through the site.



DSC 2162: P3 - Area of regenerating cutover raised bog in the north east of the site. Ling heather, Purple Moor grass and Bog Asphodel are conspicuous elements in the vegetation.

Site Name: Cargaghmore Fen cont.



DSC 2169: P4 - Transition mire community on the south-eastern part of the site. View to the north.



DSC 2170: P4 - Transition mire community on the south-eastern part of the site. View to the south west.

Site Name: Cargaghmore Fen cont.



DSC 2172: Cranberry (*Vaccinium oxycoccus*) growing on low *Sphagnum* hummocks on the area of regenerating cutover raised bog in the north east of the site.

County: Monaghan

Site Name: Carrickaslane Lough Site Code Number: MFS - 14 Date of survey: 17 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2221: P1 - View of the northern of the two lakes at Carrickaslane, showing limited extent of marginal wetland communities. View to the south.



DSC 2225: P2 - View of the southern of the two lakes at Carrickaslane, showing marginal wet woodland area with *Phalaris arundinacea* in ground layer, and wet grassland communities in the foreground. View to the south east.

Site Name: Carrickaslane Lough cont.



DSC 2226: P3 - View of the southern of the two lakes at Carrickaslane, showing marginal wet swamp area with wet grassland communities in the foreground. View to the south east.



DSC 2227: P4 - View of the southern of the two lakes at Carrickaslane, showing reed swamp area with wet grassland communities in the foreground. View to the south east.

County: Monaghan Site Name: Carrickmore Site Code Number: MFS - 27 Date of survey: 19 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2387: P1 - View over the south eastern end of the site, with wet grassland in the foreground, marsh and willow scrub community behind. View to the north west.



DSC 2390: P2 - View over the north eastern end of the site, with wet grassland in the foreground, marsh and willow scrub community behind. View to the west.

Site Name: Carrickmore cont. Site Code Number: MFS - 27



DSC 2396: P2 - View over the marsh area on the eastern edge of the site.



DSC 2402: P3 - Cladium mariscus fen area at the northern end of the small lake on the site.

Site Name: Carrickmore cont. Site Code Number: MFS - 27



DSC 2407: P3 - *Cladium mariscus* fen area at the northern end of the small lake on the site. View to the south over the infilling lake.



DSC 2415: P3 - *Cladium* fen area (LHS) and swamp community at the northern end of the small lake on the site. View to the south east over the infilling lake.

Site Name: Carrickmore cont. Site Code Number: MFS - 27



DSC 2417: P4 - Marsh area with wet willow woodland on the north and western side of the site. View to the west.

County: Monaghan

Site Name: Clonkeen Lough Site Code Number: MFS - 15 Date of survey: 18 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2373: P1 - Western shore of Clonkeen Lough showing area of improved pasture in forground, with wet grassland near lake and reed bed fringe with willow and alder scrub at the lake edge. View to the north.



DSC 2376: P2 - Southern shore of Clonkeen Lough showing area of semi-improved pasture in forground, with wet grassland near lake. A narrow band of *Carex diandra* transition mire occurs on the landward side of the trees fringing the lake. View to the north.

Site Name: Clonkeen Lough cont. Site Code Number: MFS - 15



DSC 2378: P2 - Southern shore of Clonkeen Lough showing area wet grassland in foreground with a narrow band of *Carex diandra* transition mire near lake.



DSC 2379: P2 - Carex diandra transition mire on the southern shore of Clonkeen Lough.

Site Name: Clonkeen Lough cont.



DSC 2385: A Gold Spangle moth (*Autographa bractea*) on Bog Bean leaf, in the transition mire on the southern shore of Clonkeen Lough.



DSC 2598: P2 - View to the east along the southern shore of Clonkeen Lough showing wet grassland area grading into transition mire, alder scrub and reed beds along lake.

County: Monaghan

Site Name: Clonoony Lough Site Code Number: MFS - 16 Date of survey: 19 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2457: P1 - Drainage ditch and main outflow leading from Clonoony Lough, and running through an area of wet grassland at the south western end of the lake. View to north-east.



DSC 2466: P2 - A section of the abandoned Ulster canal which runs along the southern edge of the site. View to north-east.

Site Name: Clonoony Lough cont.



DSC 2462: P3 - Reed swamp area on the south western end of Clonoony Lough which extends southwards to the abandoned Ulster Canal. View to east.



DSC 2459: P4 - Western shore of Clonoony Lough, showing area of rough pasture and the narrow reed fringe present on this side of the lake. View to north.

County: Monaghan Site Name: Corlea

Site Code Number: MFS - 18 Date of survey: 16 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2127: P1 - Transition mire area with scattered birch trees on the western section of Corlea. View to north.



DSC 2130: P2 - Transition mire area with scattered birch trees on the western section of Corlea, semi-improved pasture in te foreground. View to west.

Site Name: Corlea cont. Site Code Number: MFS - 18



DSC 2133: P3 - Recently infilled wetland area on the eastern section of Corlea, with wet scrub in the background. View to east.



DSC 2134: P4 - Area of cutover bog adjacent to the recently infilled wetland area on the eastern section of Corlea. Ling Heather dominated peat hag occurs in the center. View to east.

Site Name: Corlea cont. Site Code Number: MFS - 18



DSC 2140: P5 - Carex diandra dominated transition mire area on the western section of Corlea.



DSC 2142: P5 - Details of the *Carex diandra* dominated transition mire area on the western section of Corlea showing rich moss and herb layer.



DSC 2145: P5 - Detail of the *Carex diandra* dominated transition mire area on the western section of Corlea, with increased Bog Cotton cover.

Site Name: Corlea cont. Site Code Number: MFS - 18



DSC 2144: P5 - Details of the *Carex diandra* dominated transition mire area on the western section of Corlea showing rich herb layer containing *Hypericum elodes*.



DSC 2146: P6 - General view of the edge of the *Carex diandra* dominated transition mire area on the western section of Corlea with scattered Ling Heather areas where a more acid bog flora was present.

County: Monaghan

Site Name: Corravoo Lough Site Code Number: MFS - 19 Date of survey: 17 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2262: P1 - Emergent reed bed zone on the eastern corner of Corravoo Lough adjacent to car park area. View to south-west.



DSC 2263: P2 - Emergent reed bed zone with *Schoenoplectus lacustris* and *Phragmites australis* on the northeastern shore of Corravoo Lough. View to north-west.

Site Name: Corravoo Lough cont.

Site Code Number: MFS - 19



DSC 2264: P3 - Emergent reed bed zone on the north-western shore of Corravoo Lough with improved pasture coming down to lake in many parts, resulting in only a narrow wetland zone. View to south-west.

County: Monaghan Site Name: Corvaghan Site Code Number: MFS - 20 Date of survey: 19 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2470: P1 - Open area of cutover bog dominated by *Molinia caerulea* at Corvaghan, surrounded by marginal birch scrub area. *Myrica gale* scattered on cutover bog surface.



DSC 2471: P1 - Open area of cutover bog dominated by *Molinia caerulea* at Corvaghan, with Bog Myrtle (*Myrica gale*).

Site Name: Corvaghan cont. Site Code Number: MFS - 20



DSC 2472: P2 - Cutover bog area adjacent to old drain running through western section of site with scrub formed by Birch, Willow and *Ulex europaeus*.



DSC 2473: P3 - Open area of cutover bog dominated by *Molinia caerulea* at Corvaghan, surrounded by marginal birch scrub area. *Calluna vulgaris* and *Myrica gale* scattered on cutover bog surface.

County: Monaghan Site Name: Creevaghy Site Code Number: MFS - 21 Date of survey: 18 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2370: P1 - South western corner of site adjacent to a wet rushy field, where willow and alder scrub is invading the open cutover bog area.



DSC 2372: P2 - South eastern end of site dominated by wet alder woodland with an understorey of Urtica dioica.

County: Monaghan

Site Name: Drumaveale Lough Site Code Number: MFS - 23 Date of survey: 19 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2491: P1 - View over Drumaveale Lough to the north-east. The lake is surrounded by a wide zone of reed beds, in particular at the south western end. A wooded crannog is located at the northern end of the lake.



DSC 2492: P2 - View over reed beds dominated shore at the south western end of the lake.

Site Name: Drumaveale Lough cont.

Site Code Number: MFS - 23



DSC 2494: P1 - Floating macrophyte vegetation on the surface of the lake, with *Nymphaea alba* dominant. A narrow *Typha latifolia* reed bed swamp zone occurs on the northern shore of the lake.



DSC 2495: P1 - Reed bed zone along the southern shore of the lake, with *Schoenoplectus lacustris* and *Phragmites australis*. The wooded crannog is visible in the background.

Site Name: Drumaveale Lough cont. Site Code Number: MFS - 23



DSC 2497: P1 - Reed bed swamp zone along the southern shore of the lake, with Schoenoplectus lacustris and Phragmites australis.



DSC 2502: P1 - Reed bed zone along the southern shore of the lake, with Schoenoplectus lacustris and Phragmites australis. Wet grassland area in the foreground.

County: Monaghan

Site Name: Drumganny Lough Site Code Number: MFS - 24 Date of survey: 14 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 1956: P1 - Transition mire area on area of cutover bog on the western shore of Drumganny Lough, with *Carex diandra* and *Eriophorum angustifolium*. View to north-west.



DSC 1958: P2 - Transition mire area on area of cutover bog with larger bog pool areas on the western shore of Drumganny Lough, with *Carex diandra* and *Eriophorum angustifolium*. The main lake can be seen in the background. View to east.

Site Name: Drumganny Lough cont. Site Code Number: MFS - 24



DSC 1963: P1 - Transition mire area on area of cutover bog.



DSC 1969: P1 - Detail view of transition mire area on area of cutover bog.



DSC 1971: P1 - Transition mire area on area of cutover bog looking south towards the road where the area grades into Typha swamp. View to south.

Site Name: Drumganny Lough cont. Site Code Number: MFS - 24



DSC 1972: P3 - Transition mire area on area of cutover bog with larger bog pool areas on the western shore of Drumganny Lough. The main lake can be seen in the top LHS. View to east.



DSC 1974: P4 - Typha swamp area at the eastern end of the lake, with improved grassland on the RHS of the fence. View to north.

County: Monaghan

Site Name: Drumgoast Lough Site Code Number: MFS - 25 Date of survey: 15 July 2008

Surveyed by: Peter Foss & Patrick Crushell



DSC 2073: P1 - View over the eastern section of the lake and site, showing emergent reed bed fringe along lakeshore and area of wet woodland in the distance. View to south-east.



DSC 2074: P2 - General view of Drumgoast Lough with fringing reed communities. A wet marshland area occurs on the lakeshore in the foreground and the base of the drumlin. View to south.

Site Name: Drumgoast Lough cont.

Site Code Number: MFS - 25



DSC 2076: P2 - Wet marshland area behind the reed bed fringe on the northern lakeshore, with *Carex acuti-formis* and *Bidens cernua*.