**Table A1: Overview of Current Woodland Cover and Predicted Future Woodland Cover on Coillte EU Life Sites**

| **Site No. / Name** | **Raised Bog Area (ha)** | | **Woodland/ Scrub present in 2015 (ha)** | | **Management required (Y/N)** | | **Predicted Area future woodland (ha)** | | **Predicted cover of future woodland (%)** | | **Distance of scrub/ woodland from high bog (m)** | **Distance to nearest degraded/ active bog (m)** | **Expected extent/ nature of woodland development** | **Expected Impact on peat forming habitats** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cutover Bog** | **High bog** | **Cutover Bog** | **High**  **bog** | **Cutover Bog** | **High**  **bog** | **Cutover Bog** | **High bog** | **Cutover Bog** | **High bog** |
| 1. Curraghlehanagh | 10.7 | 0.4 | 1.7 | 0.0 | Yes | NA | 1.8 | 0.0 | 16.8 | 0.0 | 250 | 470 | Willow scrub | None |
| 2. Monivea | 8.7 | 0.0 | 8.7 | 0.0 | Yes | NA | 8.7 | 0.0 | 100 | 0.0 | 120 | 270 | Willow/ Birch | None |
| 3a. Kilteevan | 5.7 | 6.2 | 5.7 | 0.1 | Yes | Yes | 5.7 | 0.0 | 100 | 0.0 | Adjoining | 150 | Birch scrub | Minimum |
| 3b Tonagh | 0.0 | 0.0 | 0.0 | 0.0 | No | No | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | Willow | None |
| 3c. Muckanagh | 10.1 | 0.0 | 10.1 | 0.0 | Yes | No | 10.1 | 0.0 | 100 | 0.0 | NA | NA | Birch/ Willow | NA |
| 4. Lough Forbes | 13.9 | 2.3 | 13.9 | 1.2 | Yes | Yes | 8.7 | 0.0 | 62.6 | 0.0 | Adjoining | 200 | Birch scrub | Minimum |
| 5. Moneybeg | 14.2 | 0.0 | 14.2 | 0.0 | Yes | NA | 10.1 | 0.0 | 71.1 | 0.0 | 155 | 370 | Birch/ willow | None |
| 6. Derrinlough | 11.6 | 46.6 | 10.1 | 14.0 | Yes | Yes | 7.7 | 0.0 | 66.4 | 0.0 | Adjoining | c. 100 | Birch/ willow | Minimum |
| 7. Keeloges Bog | 0.8 | 3.4 | 0.8 | 3.4 | Yes | Yes | 0.8 | 0.0 | 100 | 0.0 | 300 | 450 | Birch scrub | None |
| 8. Ballygar | 14.0 | 12.2 | 13.8 | 0.5 | Yes | Yes | 14.0 | 0.0 | 100 | 0.0 | Adjoining | 80 | Birch wood | Minimum |
| 9. Aughrim | 5.7 | 100.2 | 3.0 | 9.5 | Yes | Yes | 0.8 | 0.0 | 14 | 0.0 | Adjoining | 520 | Marg. wood | Minimum |
| 10. Lough Kinale | 28.3 | 8.3 | 9.1 | 0.0 | Yes | No | 9.1 | 0.0 | 32.2 | 0.0 | 200 | Adjoining | **Bog woodland\*** | Minimum |
| 11. Mount Jessop | 45.5 | 25.7 | 33.0 | 17.6 | Yes | Yes | 31.3 | 0.0 | 68.8 | 0.0 | Adjoining | Adjoining | **Bog woodland\*** | Minimum |
| 12. Girley | 18.0 | 15.1 | 16.6 | 15.1 | Yes | Yes | 18.0 | 0.0 | 100 | 0.0 | Adjoining | 40m | Birch woodland | Minimum |
| 13. L. Derravarragh | 19.8 | 2.5 | 19.8 | 2.5 | Yes | Yes | 19.8 | 0.0 | 100 | 0.0 | Adjoining | 120 | Birch / Alder | Minimum |
| 14. Wooddown | 27.1 | 23.0 | 24.2 | 19.4 | Yes | Yes | 27.1 | 4.0 | 100 | 17.3 | Adjoining | 165 | Birch wood | Minimum |
| 15. Scohaboy | 9.6 | 62.4 | 2.5 | 19.2 | Yes | Yes | 2.5 | 0.0 | 26.0 | 0.0 | Adjoining | 250 | Riparian wood | Minimum |
| 16. Arraghmore | 29.9 | 58 | 26.4 | 9.4 | Yes | Yes | 26.4 | 25.6 | 83.3 | 44.1 | Adjoining | Adjoining | **Bog woodland\*** | Minimum |
| 17. Cangort | 10.7 | 2.5 | 10.7 | 2.5 | Yes | Yes | 10.7 | 0.0 | 100 | 0.0 | Adjoining | NA | Birch wood | Minimum |
| Totals | 284.3 | 368.7 | 224.3 | 114.4 | 18/19 | 13/19 | 213.3 | 29.6 | 75.0 | 8.0 |  |  |  |  |
|  | 653.1 | | 338.7 | |  |  | 242.9 | | 37.2 | |  |  |  |  |

**\* Denotes Potential Priority Annex I Habitat**

**Table A1** outlines the current and predictive woodland cover for each of the 17 Coillte EU Life Project Sites. Each site is broken down into cutover bog and high bog areas. Next the current woodland on cutover bog and high bog is calculated. The requirement for woodland management is then assessed. Next the predicted area of future woodland is estimated. From this the percentage cover of future woodland is calculated. To assess the impact of this future woodland on each site, the distance from the woodland to high bog and ARB /DRB is measured. The extent /nature of the future woodland is also estimated. Finally the expected impact on peat forming habitats is assessed. From this table it can be seen that most of the high bog has been cleared of woodland and it is intended to keep the high bog clear of woodland apart from two sites. Most of the afforested cutover bog will revert to wet birch woodland as this is the natural habitat in cutover marginal areas.

**Appendix A: Showing the Occurrence and Potential Impact of Scrub/ Woodland Development**

| **Site No., Name and Area** | **Raised Bog Area (ha)** | | **Woodland/ Scrub present in 2015 (ha)** | | **Management required (Y/N)** | | **Predicted Area future woodland (ha)** | | **Predicted Cover of future woodland (%)** | | **Distance of scrub/ woodland from high bog (m)** | **Distance to nearest area of degraded/ active bog (m)** | **Expected extent/ nature of woodland development** | **Expected Impact on peat forming habitats** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cutover Bog** | **High bog** | **Cutover Bog** | **High**  **bog** | **Cutover Bog** | **High**  **bog** | **Cutover Bog** | **High bog** | **Cutover Bog** | **High bog** |
| 1. Curraghlehanagh  11 ha  (11.1ha) | 10.7 | 0.4 | Developing wet willow scrub/ wood  (1.7ha) | 0.0 | Yes  Control regen. conifers  Retain willow | NA | Wet willow (1.8) | 0.00 | 16.8% | 0.0 | c. 250 | c. 470 | Scrub/ Wood will be remote from the high bog | No impact expected |
| 1. Curraghlehanagh | 10.7 | 0.4 | 1.7 | 0.0 | Yes | NA | 1.8 | 0.0 | 16.8 | 0.0 | 250 | 470 | Willow scrub | None |
| 2. Monivea  9 ha  (8.7ha) | 8.7 | 0.0 | Dry birch wood  (2.1ha)  Developing wet willow wood  (6.6ha) | 0.0 | Yes  Control regen. conifers, retain birch  Control regen. conifers, Retain willow | NA | Dry birch (2.1)  Wet willow (6.6) | 0.0 | 100% | 0.0% | c. 120 | c. 270 | Naturally regenerating scrub of willow and birch.  Deep, un-blocked drain separates this area from cutover bog. Drain could not be blocked. Not fully owned by Coillte | No impact expected |
| 2. Monivea | 8.7 | 0.0 | 8.7 | 0.0 | Yes | NA | 8.7 | 0.0 | 100 | 0.0 | 120 | 270 | Willow/ Birch | None |
| 3a. Lough Ree (Kilteevan)  12 ha  (11.9) | 5.7 | 6.2 | Birch locally frequent and dense, 4 to 8m tall  (5.7ha) | Regen. birch scrub on clear-fell  (0.1ha) | Yes  Control regen. conifers, retain birch | Yes  Control regen. conifers and birch | Birch wood  (5.7) | 0.0 | 100% | 0.0% | Adjoining | c. 150 | Birch scrub on shallow cutover peat along the cutover margins. | Minimum impact expected |
| 3a. Kilteevan | 5.7 | 6.2 | 5.7 | 0.1 | Yes | Yes | 5.7 | 0.0 | 100 | 0.0 | Adjoining | 150m | Birch scrub | Minimum |
| 3b. Lough Ree (Tonagh)  22 ha  (22.4ha)  Fen and Flush 12.9,  Lake 6.5, Wet willow wood 0.6 and Swamp 2.4 | 0.0 | 0.0 | Flooded Willow woodland by lake  (0.6ha) | 0.0 | No | No | Flooded Willow wood by lake  (0.6ha) | 0.0 | 4.7% | 0.0% | NA | NA | No woodland expansion expected | No Impact Expected  No intact high bog occurs nearby |
| 3b Tonagh | 0.0 | 0.0 | 0.6 | 0.0 | No | No | 0.6 | 0.0 | 4.7 | 0.0 | NA | NA | Willow | None |
| 3c. Lough Ree (Muckanagh)  10 ha  (10.01) | 10.1 | 0.0 | Flooded Willow woodland by lake  (3.0ha)  Regen. birch scrub on clear-fell  (7.1ha) | 0.0 | Yes  Control regen. conifers,  Retain birch and willow | No | Flooded Willow wood by lake  (3.0ha)  Regen birch scrub on clear-fell  (7.1ha) | 0.0 | 100% | 0.0% | NA | NA | Developing dry birch woodland with wet willow/alder carr along lake edge. | No Impact Expected  No intact high bog occurs nearby. |
| 3c. Muckanagh | 10.1 | 0.0 | 10.1 | 0.0 | Yes | No | 10.1 | 0.0 | 100 | 0.0 | NA | NA | Birch/ Willow | NA |
| 4. Lough Forbes  16 ha  (16.2ha) | 13.9 | 2.3 | Dry Birch wood at margin (3.1ha)  Regen birch scrub on clear-fell  (10.8ha) | Regen. birch scrub on clear-fell  (1.2ha) | Yes  Control regen. conifers  Retain birch | Yes  Control regen. conifers, and birch | Dry Birch wood  (8.1ha)  Wet Birch wood-land  (0.6ha) | 0.0 | 62.6% | 0.0% | Adjoining | 200m from DRB on high Bog.  Adjoining ARB on cutover bog | Naturally regenerating scrub of Birch. | Minimum Impact Expected |
| 4. Lough Forbes | 13.9 | 2.3 | 13.9 | 1.2 | Yes | Yes | 8.7 | 0.0 | 62.6 | 0.0 | Adjoining | 200m | Birch scrub | Minimum |
| 5. Moneybeg & Clare Island  14 ha  (14.2ha) | 14.2 | 0.0 | Regen. birch /pine on clear-fell  (11.7)  Wet willow/ Flush  (2.5) | 0.0 | Yes  Control regen. conifers, retain birch and willow | NA | Dry Birch Wood (7.6)  Wet willow/ birch wood  (2.5) | 0.0 | 71.1% | 0.0% | 155m  Separated from high bog by bog track and active peat-cutting | 370m  Separated by drains along bog track and by active peat-cutting | Wet willow/birch wood will develop on flushed water-logged areas  Dry birch wood will develop on old turf-banks | No Impact Expected |
| 5. Moneybeg | 14.2 | 0.0 | 14.2 | 0.0 | Yes | NA | 10.1 | 0.0 | 71.1 | 0.0 | 155 | 370 | Birch/ willow | None |
| 6. Derrinlough Bog  59ha  (58.2ha) | 11.6 | 46.6 | Regen. birch / pine on clear-fell  (8.7ha)  Wet willow/ alder wood  (1.4) | Regen. birch / pine on clear-fell  (14.0ha) | Yes  Control regen. conifers, Retain birch and willow | Yes  Control regen. conifers and birch | Wet willow/ alder  (3.5)  Wet birch  (1.2)  Dry birch at margins  (3.0) | 0.0 | 66.4% | 0.0% | Adjoining | c. 100m | Small areas of cutover bog will develop into birch scrub on thin peat <1m depth  Where raised bog adjoins fen, wet birch /willow wood will develop. | Minimum Impact Expected |
| 6. Derrinlough | 11.6 | 46.6 | 10.1 | 14.0 | Yes | Yes | 7.7 | 0.0 | 66.4 | 0.0 | Adjoining | c. 100m | Birch/ willow | Minimum |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7. Keeloges Bog  4 ha  (4.2ha) | 0.8ha | 3.4ha | Regen. birch scrub on clear-fell  (0.8ha) | Regen. birch scrub on clear-fell  (3.4ha) | Yes  Control regen. conifers, Retain birch | Yes  Control regen. conifers, and birch | Birch wood  (0.8) | 0.0 | 100% | 0.0% | c. 300m | c. 450m | Small area of birch scrub may develop on southern cutover bog margin.  The adjoining high bog was recently dominated by conifers. Will develop into marginal high bog dominated by *Calluna vulgaris*. | No Impact Expected |
| 7. Keeloges Bog | 0.8 | 3.4 | 0.8 | 3.4 | Yes | Yes | 0.8 | 0.0 | 100 | 0.0 | 300 | 450 | Birch scrub | None |
| 8. Ballygar Bog  29 ha  (26.2ha Raised Bog + 2.3ha mineral soil) | 14.0 | 12.2 | Dry birch wood (4.8ha)  Regen. birch scrub on clear-fell  (8.2)  Wet alder wood (0.8ha) | Regen. birch scrub on clear-fell  (0.5) | Yes  Control regen of conifers and Rhodo.  Retain birch | Yes  Control regen. of birch and conifers | Dry birch wood (13.0)  Wet birch wood (0.2)  Wet alder /Birch wood (0.8) | 0.00 | 100% | 0.0% | Adjoining | c. 80m | Woodland development on a mixture of mineral soil (c.30%) and shallow (<1m) cutover peat (c. 70%).  Some existing wet woodland occurs on cutover areas. | Minimum impact expected |
| 8. Ballygar | 14.0 | 12.2 | 13.8 | 0.5 | Yes | Yes | 14.0 | 0.0 | 100 | 0.0 | Adjoining | 80 | Birch wood | Minium |
| 9. Aughrim Bog  109 ha  109.86  (105.9ha raised bog)  + 3.0ha mineral soil) | 5.7 | 100.2 | Regen. birch scrub on clear-fell  (2.7)  Wet alder woodland at pond  (0.3) | Regen. birch scrub on clear-fell  (9.5) | Yes  Control regen of conifers and Rhodo.  Retain birch and alder | Yes  Control regen of conifers, Rhodo and birch | Wet birch wood (0.5)  Wet alder wood at pond  (0.3) | 0.0 | 14.0% | 0.0% | Adjoining | c. 520m | Most of the marginal woodland will develop on mineral soil and shallow cutover bog. At present there is very little natural regeneration occurring, mainly as a result of deer grazing. | Minimum impact expected |
| 9. Aughrim | 5.7 | 100.2 | 3.0 | 9.5 | Yes | Yes | 0.8 | 0.0 | 14 | 0.0 | Adjoining | 520 | Marg. wood | Minimum |
| 10. Lough Kinale & Derragh Lough  37 ha  (36.6ha) | 28.3 | 8.3 | Yes  Active  Wooded Flush  (0.2)  Dry Birch woodland  (8.9) | 0.0 | Yes  Control regen. of conifers  Retain birch | No | Active  Wooded Flush  (0.2)  Dry Birch wood-land  (8.9) | 0.0 | 32.2% | 0.0% | 200m  From active flush to high bog | Adjoining  Active Flush may develop into the Annex I Habitat Bog Woodland | Birch woodland occurs at margins of bog.  Wooded flush may develop into Annex I Habitat Bog Woodland | Minimum impact expected |
| 10. Lough Kinale | 28.3 | 8.3 | 9.1 | 0.0 | Yes | No | 9.1 | 0.0 | 32.2 | 0.0 | 200 | Adjoining | Bog woodland | Minimum |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11. Mount Jessop  71 ha  (71.2ha) | 45.5 | 25.7 | Dry Birch Wood at the bog margins  (16.6)  Flooded wood on old cutover.  (2.9)  Regen. birch /pine on clear-fell areas  (13.5) | Regen. birch scrub/ pine on clear-fell areas  (17.6) | Yes  Control regen. of conifers  Retain birch | Yes  Control regen. of conifers and birch | Dry Birch Wood at the bog margins  (22.3)  Flooded wood on old cutover.  (9.0) | 0.0 | 68.8% | 0.0% | Adjoining | Adjoining  Flooded woodland on old cutover may develop into Annex I Habitat Bog Woodland | Birch wood occurs around margins of bog.  Birch scrub will develop on clear-fell on cutover.  Flooded woodland on cutover may develop into Annex I Habitat Bog Woodland | Minimum impact expected |
| 11. Mount Jessop | 45.5 | 25.7 | 33.0 | 17.6 | Yes | Yes | 31.3 | 0.0 | 68.8 | 0.0 | Adjoining | Adjoining | Bog woodland | Minium |
| 12. Girley  33 ha  (33.1ha) | 18.0 | 15.1 | Birch Wood with Cherry Laurel  (3.4ha)  Birch scrub with Rhodo  (2.0ha)  Regen. birch / pine clearfell  (11.2ha) | Regen. birch scrub with Rhodo on clear-fell areas  (15.1ha) | Yes  Control regen. conifers, Laurel / Rhodo  Retain birch | Yes  Control regen. conifers, Laurel, Rhodo and birch | Wet birch wood  (3.4)  Dry birch wood  (14.6) | 0.0 | 100% | 0.0% | Adjoining | 40m | Wet birch woodland to develop on cutover bog to the south  Dry birch woodland will develop on ridge adjacent to the high bog | Minimum impact expected |
| 12. Girley | 18.0 | 15.1 | 16.6 | 15.1 | Yes | Yes | 18.0 | 0.0 | 100 | 0.0 | Adjoining | 40m | Birch woodland | Minimum |
| 13. Lough Derravarragh  22 ha  (22.3ha) | 19.8 | 2.5 | Regen. birch /pine  clear-fell  (19.0)  Riverbank wood Birch / willow  (0.8) | Regen. birch /pine  clear-fell  (2.5) | Yes  Control regen. of conifers  Retain birch | Yes  Control regen. conifers, and birch | Dry birch wood  (13.8)  Birch/ alder/ willow wood  (6.0) | 0.0 | 100.0% | 0.0% | Adjoining | 120m | Birch woodland to develop on cutover bog  Wet woodland retained along river | Minimum impact expected |
| 13. L. Derravarragh | 19.8 | 2.5 | 19.8 | 2.5 | Yes | Yes | 19.8 | 0.0 | 100 | 0.0 | Adjoining | 120m | Birch / Alder | Minimum |
| 14. Wooddown  51 ha  (50.01) | 27.1 | 23.0 | Regen. birch / pine on clear-fell  (22.1)  Wet birch wood (2.1) | Regen. birch/ pine on clear-fell areas  (19.4) | Yes  Control regen. of conifers  Retain birch | Yes  Control regen. of conifers and birch  In wet areas | Dry birch wood  (25.0)  Wet birch wood  (2.1) | Wet birch wood (4.0) | 100%  (92.25%)  (7.8%) | 17.25% | Adjoining | 165m  From Degrade Raised Bog | Birch woodland on cutover bog  Birch scrub on high bog. separated by track from degraded raised bog | Minimum impact expected |
| 14. Wooddown | 27.1 | 23.0. | 24.2 | 19.4 | Yes | Yes | 27.1 | 4.0 | 100% | 17.3 | Adjoining | 165m | Birch wood | Minimum |
| 15. Scohaboy  72 ha  (72.0ha) | 9.6 | 62.4 | Riparian wood  (2.5) | Regen. birch/ pine on clear-fell  (19.2) | Remove regen. pine | Yes  Control regen. of conifers and birch | 2.5 | 0.0 | 26.0% | 0.0% | Adjoining | 250m  From Degraded Raised Bog | Riparian woodland to be retained for biodiversity | Minimum impact expected |
| 15. Scohaboy | 9.6 | 62.4 | 2.5 | 19.2 | Yes | Yes | 2.5 | 0.0 | 26.0 | 0.0 | Adjoining | 250m | Riparian wood | Minimum |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16. Arraghmore  91 ha  (87.9ha raised bog +2.9 ha mineral soil) | 29.9 | 58.0 | Dry birch scrub / wood  (5.5)  Regen. birch / pine on clear-fell  (20.9) | Regen. birch/ pine on clear-fell  (8.7)  Wet flush/ birch wood (0.5) | Yes  Control regen. of conifers  Retain birch | Yes  Control regen. of conifers and birch  Retain birch in flushed areas | Dry birch wood  (26.4) | Wet flush/ birch wood  (25.6) | 88.3% | 44.1% | Adjoining | Wooded flush on high bog may develop into the Annex I Habitat Bog Woodland | Birch wood will develop on cutover  Wooded flush on high bog may develop into Annex I Habitat Bog Woodland | Minimum impact expected |
| 16. Arraghmore | 29.9 | 58 | 26.4 | 9.4 | Yes | Yes | 26.4 | 25.6 | 83.3 | 44.1 | Adjoining | Adjoining | Bog wood | Minimum |
| 17. Cangort  13 ha  (13.2ha) | 10.7 | 2.5 | Riparian woodland  (2.3ha)  Regen. birch/ pine clear-fell  (8.4ha) | Regen. birch/ pine on fell to waste  (2.5ha) | Yes  Control regen. of conifers  Retain birch | Yes  Control regen. of conifers and birch | Riparian wood-land  (1.4ha)  Regen. birch on clear-fell  (9.3ha) | 0.0 | 100% | 0.0% | Adjoining | NA  There is no active or degraded raised bog on this site | Birch woodland will develop on clear-felled cutover bog | Minimum  impact expected |
| 17. Cangort | 10.7 | 2.5 | 10.7 | 2.5 | Yes | Yes | 10.7 | 0.0 | 100% | 0.0 | Adjoining | NA | Birch wood | Minimum |