**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. Curraghlehanagh11 ha(11.1ha) | 10.7 | 0.4 | Developing wet willow scrub/ wood(1.7ha) | 0.0 | YesControl regen. conifersRetain 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. Monivea9 ha(8.7ha) | 8.7 | 0.0 | Dry birch wood(2.1ha)Developing wet willow wood(6.6ha) | 0.0 | YesControl regen. conifers, retain birchControl 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)  | YesControl regen. conifers, retain birch | YesControl 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 ExpectedNo 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 | YesControl 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 ExpectedNo 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 Forbes16 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)  | YesControl regen. conifersRetain birch | YesControl 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 Island14 ha(14.2ha) | 14.2 | 0.0 | Regen. birch /pine on clear-fell(11.7)Wet willow/ Flush(2.5) | 0.0 | YesControl regen. conifers, retain birch and willow | NA | Dry Birch Wood (7.6)Wet willow/ birch wood(2.5) | 0.0 | 71.1% | 0.0% | 155mSeparated from high bog by bog track and active peat-cutting | 370mSeparated by drains along bog track and by active peat-cutting | Wet willow/birch wood will develop on flushed water-logged areasDry 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 Bog59ha (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) | YesControl regen. conifers, Retain birch and willow | YesControl 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 Bog4 ha(4.2ha) | 0.8ha | 3.4ha | Regen. birch scrub on clear-fell(0.8ha) | Regen. birch scrub on clear-fell(3.4ha) | YesControl regen. conifers, Retain birch | YesControl 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 Bog29 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) | YesControl regen of conifers and Rhodo. Retain birch  | YesControl 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 Bog109 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) | YesControl regen of conifers and Rhodo. Retain birch and alder | YesControl 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 Lough37 ha(36.6ha) | 28.3 | 8.3 | YesActiveWooded Flush(0.2)Dry Birch woodland(8.9) | 0.0 | YesControl regen. of conifersRetain birch  | No | ActiveWooded Flush(0.2)Dry Birch wood-land(8.9) | 0.0 | 32.2% | 0.0% | 200mFrom active flush to high bog | AdjoiningActive 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 Jessop71 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) | YesControl regen. of conifersRetain birch | YesControl 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 | AdjoiningFlooded 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. Girley33 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) | YesControl regen. conifers, Laurel / RhodoRetain birch | YesControl 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 southDry 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 Derravarragh22 ha (22.3ha) | 19.8 | 2.5 | Regen. birch /pineclear-fell(19.0)Riverbank wood Birch / willow (0.8) | Regen. birch /pineclear-fell(2.5) | YesControl regen. of conifers Retain birch | YesControl 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. Wooddown51 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) | YesControl regen. of conifers Retain birch | YesControl regen. of conifers and birchIn 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 | 165mFrom 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. Scohaboy72 ha(72.0ha) | 9.6 | 62.4 | Riparian wood(2.5) | Regen. birch/ pine on clear-fell(19.2) | Remove regen. pine | YesControl regen. of conifers and birch | 2.5 | 0.0 | 26.0% | 0.0% | Adjoining | 250mFrom 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. Arraghmore91 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) | YesControl regen. of conifers Retain birch | YesControl regen. of conifers and birchRetain 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 cutoverWooded 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. Cangort13 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) | YesControl regen. of conifers Retain birch | YesControl regen. of conifers and birch | Riparian wood-land(1.4ha)Regen. birch on clear-fell(9.3ha) | 0.0 | 100% | 0.0% | Adjoining | NAThere 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  |