



Environmental  
Pillar



# RESTORE NATURE NATIVE WOODLANDS PROJECT

Fintan Kelly & Ángel Duarte Campos  
Environmental Pillar  
2026

# Restore Nature: Native Woodlands Project

## Contents

**Restore Nature: Native Woodlands Project .....1**

**Contents.....1**

Abstract .....2

Project Summary .....2

Objective .....4

Methodology .....4

Results.....5

Identification of clusters .....6

Conclusion .....8

**Annex I – Cluster information sheets .....9**

Cluster 1 .....10

Cluster 2 .....11

Cluster 3 .....12

Cluster 4 .....13

Cluster 5 .....14

Cluster 6 .....15

Cluster 7 .....16

Cluster 8 .....17

Cluster 9 .....18

Cluster 10 .....19

Cluster 14 .....20

Cluster 15 .....21

Cluster 16 .....22

Cluster 25 .....23

**Annex 2 – Native Woodland Project GIS Map ..... 24**

Citation: Kelly, F., & Duarte Campos, Á. (2026). Restore Nature: Native woodlands project.  
Environmental Pillar  
Date: January 2026

# Restore Nature: Native Woodlands Project

## Abstract

The Environmental Pillars *Restore Nature: Native Woodlands project* supports the development of Ireland's National Restoration Plan by creating a GIS map<sup>1</sup> identifying high conservation value native woodlands suitable for restoration and re-establishment under the EU Nature Restoration Regulation (NRR). The project focuses on locating areas of high conservation value Annex I native woodland habitats with the greatest potential to be restored, expanded, and reconnected through habitat re-establishment on public lands. We have mapped 29 native woodland clusters, selecting 14<sup>2</sup> in this report to showcase their potential. The project takes into account both a sound conservation science rationale to the prioritisation of sites for restoration but also the socio-economic *low hanging fruit* of public land for ambitious landscape level nature restoration.

## Project Summary

Ireland hosts four native woodlands which are protected under the Habitats Directive (Council Directive 92/43/EEC) as Annex I habitats. Of these, three require habitat restoration under Art 4.1 of the Nature Restoration Regulation (Regulation (EU) 2024/1697) - Old sessile oak woods with *Ilex* and *Blechnum* [91A0], Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* [91E0] and *Taxus baccata* woods of the British Isles [91J1]. While Old sessile oak woods and Alluvial forests also have large re-establishment targets under Art 4.4.

Conservation science consistently shows that large, high-quality, and well-connected habitat areas support greater biodiversity, lower extinction risk, enhanced gene flow, and increased ecological resilience<sup>3 4 5</sup>. Given the small and highly fragmented nature of native woodlands in Ireland it is critical that the native woodlands of greatest conservation value are identified for expansion and enhanced connectivity. Our analysis combined several national datasets to identify native woodlands of greatest conservation value. The Ancient and Long-Established Woodland Inventory (ALEW)<sup>6</sup> datasets identifies woodlands that have been continuously wooded since at least 1660 (ancient woodlands) or since the early 1800s (long-established woodlands). Identifying the presence (and overlap) of ALEW with Annex I woodlands (Article 17 reporting)<sup>7</sup> highlights biodiverse native woodlands. By then identifying

---

<sup>1</sup> Annex 2 - Native Woodland Project GIS Map

<sup>2</sup> Annex I – Cluster Information Sheets

<sup>3</sup> Fahrig, L. (2003). Effects of habitat fragmentation on biodiversity. *Annual Review of Ecology, Evolution, and Systematics*, 34, 487–515. <https://doi.org/10.1146/annurev.ecolsys.34.011802.132419>

<sup>4</sup> Olds, A. D., Pitt, K. A., Maxwell, P. S., & Connolly, R. M. (2014). Synergistic effects of reserves and connectivity on ecological resilience. *Journal of Applied Ecology*, 51(4), 957–966. <https://doi.org/10.1111/1365-2664.12246>

<sup>5</sup> Taylor, P. D., Fahrig, L., Henein, K., & Merriam, G. (1993). Connectivity is a vital element of landscape structure. *Oikos*, 68(3), 571–573. <https://doi.org/10.2307/3544927>

<sup>6</sup> Perrin, P.M. & Daly, O.H. (2010) A provisional inventory of ancient and long-established woodland in Ireland. *Irish Wildlife Manuals*, No. 46. National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Dublin, Ireland.

<sup>7</sup> <https://www.npws.ie/maps-and-data/habitat-and-species-data/article-17/2019/habitats/forests>

clusters of native woodlands based on the proximity of native woodland polygons (500m or less) we identified sites best suited for expansion through habitat restoration.

Most land in Ireland consists of small, often dispersed parcels under private freehold ownership. This makes ambitious landscape level nature restoration challenging, particularly for native woodlands which usually require a permanent change in land use from farmland to woodland. While estimates vary, ~11% percent of Ireland's land area is publicly owned<sup>8</sup>, managed by state and semi-state bodies such as the Coillte (7%)<sup>9</sup> and Bord na Móna (1%)<sup>10</sup> and the National Parks and Wildlife Service. 11.07 percent of public lands are designated as Special Areas of Conservation (SAC) and Special Protection Areas (SPAs) under the Habitat Directive (92/43/EEC) and Birds Directive (2009/147/EC) respectively. Coillte also own around half of the forests in the State<sup>11</sup>. Public lands therefore present a unique opportunity to achieve restoration at scale and should be prioritised for native woodland re-establishment.

By cross-referencing datasets of relevant public lands (e.g., National Parks, Coillte, Bord Na Móna) with our Native Woodland clusters, we identified public lands that were directly adjacent (within 200 metres) to our priority native woodlands which may provide the potential to support rapid habitat restoration in line with the obligations of Article 4 of the Nature Restoration Regulation (restore, re-establish, re-connect).

Finally, through further analysis of our native woodland clusters that are on or adjacent to public lands we identified our top Native Woodland sites for restoration by selecting the subset of sites with the largest combined area. These **29 clusters** of native woodlands have the highest restoration potential, based on their size, connectivity, conservation value and proximity to public lands. Of these, **14 clusters** were selected in this report (Annex I) as having the greatest potential for large-scale restoration and reconnection of Annex I native woodlands.

The results identified a total of **2,216.9 km<sup>2</sup> of native woodland**, of which **129.28 km<sup>2</sup>** occur on public land and **72.71 km<sup>2</sup>** are directly adjacent to it. A detailed spatial analysis and mapping exercise visualised these findings, highlighting the areas where public lands can most effectively contribute to woodland restoration and reconnection.

The findings provide a **strategic framework for restoring and expanding Ireland's native woodlands**, contributing to the achievement of EU and national biodiversity and climate targets. Specifically the project contributes to the identification of native woodlands to be restored and expanded in line with the legal obligations of Art 4(1) and Art 4(4) of the Nature Restoration Regulation. Work by Bat Conservation Ireland, Vincent Wildlife Trust and the Native Woodland Trust on mapping landscape connectivity to facilitate species recovery and expansion of Lesser Horseshoe Bat (*Rhinolophus hipposideros*) in Ireland<sup>12</sup>, identifies that eight of the native woodland clusters prioritised by this project are within lesser horseshoe

---

<sup>8</sup> DAFM & DECC. (2023). Land use review – Phase 1: Evidence review (Land ownership analysis). Government of Ireland. <https://www.gov.ie/en/department-of-agriculture-food-and-the-marine/publications/land-use-review-phase-1/>

<sup>9</sup> Coillte (2022) Strategic Vision for Our Future Forest Estate <https://www.coillte.ie/wp-content/uploads/2022/07/Coillte-Future-Forest-Estate-Strategic-Vision-Consultation-Booklet.pdf>

<sup>10</sup> Bord Na Mona (2016) Bord Na Mona Biodiversity Action Plan 2016 – 2021 <https://www.bordnamona.ie/wp-content/uploads/2021/03/Biodiversity-Action-Plan-2016-2021-1.pdf>

<sup>11</sup> Coillte Teoranta. (2011). Sustainability Report 2011. Coillte Teoranta. <http://sustainabilityreport2011.coillte.ie/index.php?id=130>

<sup>12</sup> Wright, P., Guilfoyle, C., Smyth, D., Roche, N. & McAney, K. (2026) The Lesser Horseshoe Bat - Mapping Landscape Connectivity to facilitate Species Recovery and Expansion in Ireland. Bat Conservation Ireland, Dublin. <https://shorturl.at/YQP5l>

bat range and another eight are within the possible range expansion area. Measures to improve habitat connectivity between clusters could help to deliver on the additional habitat restoration requirements for species like Lesser Horseshoe Bat under Art 4(7) of the Nature Restoration Regulation. This underlines the broader application of the results of this project to restoration ecology.

All identified sites will require further assessment to determine their suitability for restoration and re-establishment, taking into account existing constraints such as the conservation requirements of semi-natural habitats and wetlands and dependent species.

## Objective

To identify areas of high conservation value native woodland that can be expanded onto adjacent public land. To share the outputs with key decision makers and relevant stakeholders and public bodies, to contribute to the design and implementation of relevant elements of Ireland's Nature Restoration Plan.

## Methodology

The first step was identifying high conservation value native woodland for restoration prioritisation. The following datasets were used:

- Native woodland survey<sup>13</sup>
- Ancient and Long-Established Woodland Inventory <sup>14</sup>
- Annex I habitats<sup>15</sup>:
  - 91A0 Old sessile oak woods with Ilex and Blechnum in the British Isles
  - 91D0 Bog woodland
  - 91E0 Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (Alno-Padion, Alnion incanae, Salicion albae)
  - 91J0 *Taxus baccata* woods of the British Isles

The second step was identifying public land adjacent to the identified native woodlands (within 200 metres) for its potential to support rapid habitat restoration in line with the obligations of Article 4 of the Nature Restoration Regulation (restore, re-establish, re-connect). The following datasets were used:

- National Parks<sup>16</sup>
- Coillte BIOCLASS<sup>17</sup>
- Coillte boundaries<sup>18</sup>
- Bord na Móna land<sup>19</sup>

---

<sup>13</sup> <https://data.gov.ie/dataset/national-survey-of-native-woodlands-2003-2008>

<sup>14</sup> <https://data.gov.ie/dataset/ancient-and-long-established-woodland-inventory-2010>

<sup>15</sup> <https://www.npws.ie/maps-and-data/habitat-and-species-data/article-17/2019>

<sup>16</sup> <https://data.gov.ie/organization/department-of-housing-local-government-and-heritage>

<sup>17</sup> <https://coillte.maps.arcgis.com/apps/webappviewer/index.html>

<sup>18</sup> <https://coillte.maps.arcgis.com/apps/webappviewer/index.html>

<sup>19</sup> <https://irishriverproject.com/2022/03/29/aie-shp-file-gis-mapping-file-of-the-current-borders-of-the-bord-na-mona-landbank/>

- Other State assets<sup>20</sup>

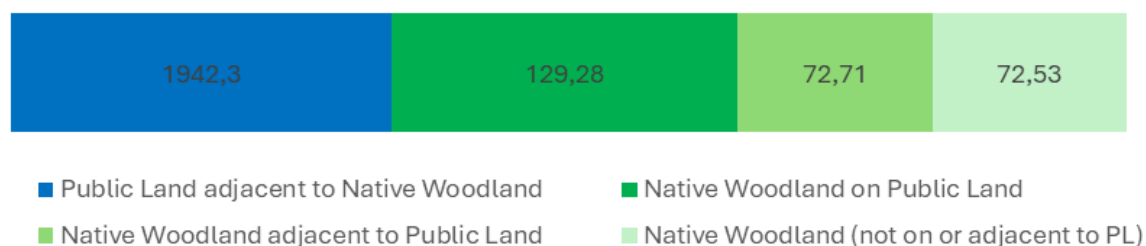
## Results

We've identified 274.52 km<sup>2</sup> of native woodland, of which 129.28 km<sup>2</sup> is on public land and 72.71 km<sup>2</sup> is immediately adjacent (within 200m) to public land.

Additionally, of the 6749.27 km<sup>2</sup> of public land identified in the Republic of Ireland, 1942.30 km<sup>2</sup> are adjacent to native woodland.

To place this in context, the Favourable Reference Areas<sup>21</sup> or re-establish targets for both Old sessile oak woods [91A0] and Alluvial woodland [91E0] for 2050 are 399 km<sup>2</sup> and 194.5 km<sup>2</sup> respectively. While ambitious the area of suitable public lands presents an immense resource to support the achievement of these targets.

|                                            | Km2            |
|--------------------------------------------|----------------|
| Public Land adjacent to Native Woodland    | 1942.3         |
| Native Woodland on Public Land             | 129.28         |
| Native Woodland adjacent to Public Land    | 72.71          |
| Native Woodland (not on or adjacent to PL) | 72.53          |
| <b>TOTAL</b>                               | <b>2216.90</b> |



A comprehensive map was generated (Annex II) to illustrate these findings, incorporating the following layers:

- **Native Woodland adjacent to PL:** It shows the polygons of native woodland that are on or adjacent to public land. The different woodland types are represented using different shades of green (in some cases there is an overlap between the different woodland types).
- **Public Land adjacent to NW:** It shows the polygons of public land that contain or are adjacent to Native Woodland. The symbology shows the different types of public land.

Two additional layers were included for reference:

<sup>20</sup> <https://data.gov.ie/dataset/pri-state-assets1>

<sup>21</sup> NPWS (2025) The Status of EU Protected Habitats and Species in Ireland. Volume 2: Habitat Assessments. Unpublished NPWS report. <https://www.npws.ie/publications/article-17-reports>

- **Native Woodland (all):** It shows all the native woodland coverage (from any source, without differentiation), including the areas that are not adjacent to Public Land.
- **Native Woodland - 200m buffer (general boundary):** It displays the boundary of the 200m buffer for all the Native Woodland coverage.

#### Important notes:

- Public land that is not adjacent to native woodlands is not included in the map.
- The boundaries of one of the National Parks (Páirc Náisiúnta na Mara, Ciarraí) were not available and it was not used in the analysis.

## Identification of clusters

Following the initial analysis, an effort was made to identify native woodland clusters with the highest restoration potential and greatest conservation value into the future due to the size and connectivity within sites. The following criteria were used:

- Proximity of native woodland polygons (500m or less) and their combined size.
- Presence of Ancient and Long-Established Woodland (ALEW) and Article 17 woodlands, with a particular focus on areas of overlap.
- Size of the adjacent public land.

Two additional layers were incorporated into the map to show the identified clusters:

- **Native Woodland clusters (top 30):** showing the areas with the higher density of woodland masses. The layer includes the top 30 clusters by total area (two of them are merged due to their proximity). The outline of each cluster is represented with a red dotted line.
- **Overlap ALEW & Art 17:** showing the overlap between Annex I woodlands and ALEW, representing the outline of the overlapping areas with a blue line.

Table 1 below shows the data for the identified clusters.

| Cluster no | Total area of the cluster | Native Woodland (any type) | Native woodl. adj. to PL (anytype) | ALEW  | Art 17 Woodlands | Alluvial woodland | Old oak woodland | Overlap between ALEW and Article 17 woodlands | PL containing or adj. to NW (within the cluster) | PL adj. to NW (outside the cluster) | PL adjacent to NW (total) |
|------------|---------------------------|----------------------------|------------------------------------|-------|------------------|-------------------|------------------|-----------------------------------------------|--------------------------------------------------|-------------------------------------|---------------------------|
| 1          | 87,78                     | 14,89                      | 14,89                              | 7,77  | 13,67            | 1,71              | 11,26            | 6,61                                          | 72,37                                            | 38,35                               | 110,72                    |
| 2          | 75,64                     | 16,33                      | 15,93                              | 14,99 | 5,64             | 0,00              | 5,57             | 4,89                                          | 32,91                                            | 264,73                              | 297,65                    |
| 3          | 28,97                     | 4,64                       | 2,40                               | 2,35  | 1,08             | 0,00              | 1,08             | 1,03                                          | 0,11                                             | 0,00                                | 0,11                      |
| 4          | 26,33                     | 5,88                       | 5,88                               | 5,67  | 0,50             | 0,00              | 0,50             | 0,39                                          | 8,26                                             | 1,82                                | 10,08                     |
| 5          | 25,91                     | 4,84                       | 3,02                               | 0,61  | 0,00             | 0,00              | 0,00             | 0,00                                          | 4,08                                             | 1,13                                | 5,21                      |
| 6          | 16,63                     | 2,79                       | 2,26                               | 2,12  | 0,04             | 0,04              | 0,00             | 0,02                                          | 4,16                                             | 0,03                                | 4,19                      |
| 7          | 16,39                     | 2,99                       | 2,86                               | 2,44  | 1,36             | 0,13              | 1,30             | 0,99                                          | 4,72                                             | 5,77                                | 10,49                     |
| 8          | 15,07                     | 2,35                       | 2,35                               | 2,13  | 0,00             | 0,00              | 0,00             | 0,00                                          | 4,37                                             | 0,95                                | 5,32                      |
| 9          | 14,85                     | 2,48                       | 1,03                               | 0,46  | 0,58             | 0,58              | 0,00             | 0,26                                          | 0,03                                             | 0,00                                | 0,03                      |
| 10         | 14,39                     | 2,33                       | 2,14                               | 1,04  | 0,95             | 0,95              | 0,00             | 0,00                                          | 3,16                                             | 1,49                                | 4,65                      |
| 11         | 14,22                     | 1,49                       | 0,57                               | 0,08  | 0,00             | 0,00              | 0,00             | 0,00                                          | 2,09                                             | 5,00                                | 7,09                      |
| 12         | 14,16                     | 2,60                       | 2,02                               | 2,02  | 0,00             | 0,00              | 0,00             | 0,00                                          | 12,08                                            | 258,96                              | 271,04                    |
| 13         | 13,89                     | 2,50                       | 0,49                               | 0,49  | 0,00             | 0,00              | 0,00             | 0,00                                          | 0,01                                             | 0,00                                | 0,01                      |
| 14         | 13,88                     | 2,36                       | 1,82                               | 1,19  | 1,10             | 0,00              | 1,10             | 0,48                                          | 2,63                                             | 0,35                                | 2,98                      |
| 15         | 13,85                     | 1,21                       | 1,21                               | 1,09  | 0,04             | 0,04              | 0,00             | 0,00                                          | 4,26                                             | 0,37                                | 4,64                      |
| 16         | 12,90                     | 2,11                       | 2,11                               | 1,85  | 0,27             | 0,11              | 0,17             | 0,02                                          | 4,34                                             | 1,44                                | 5,78                      |
| 17         | 12,68                     | 0,77                       | 0,68                               | 0,48  | 0,32             | 0,10              | 0,22             | 0,11                                          | 2,10                                             | 0,18                                | 2,28                      |
| 18         | 12,23                     | 2,44                       | 0,76                               | 0,76  | 0,00             | 0,00              | 0,00             | 0,00                                          | 0,56                                             | 1,41                                | 1,97                      |
| 19         | 12,14                     | 2,86                       | 2,67                               | 1,99  | 0,02             | 0,00              | 0,00             | 0,02                                          | 2,47                                             | 0,05                                | 2,51                      |
| 20         | 11,61                     | 2,01                       | 1,87                               | 1,03  | 1,12             | 0,00              | 1,10             | 0,38                                          | 4,10                                             | 16,60                               | 20,70                     |
| 21         | 11,54                     | 1,59                       | 0,29                               | 0,17  | 0,00             | 0,00              | 0,00             | 0,00                                          | 0,00                                             | 0,00                                | 0,00                      |
| 22         | 11,19                     | 2,19                       | 0,68                               | 0,61  | 0,58             | 0,00              | 0,58             | 0,51                                          | 0,40                                             | 0,28                                | 0,68                      |
| 23         | 10,99                     | 2,50                       | 2,50                               | 2,50  | 0,00             | 0,00              | 0,00             | 0,00                                          | 7,03                                             | 26,67                               | 33,71                     |
| 24         | 10,77                     | 1,87                       | 1,86                               | 1,64  | 0,07             | 0,03              | 0,00             | 0,04                                          | 3,12                                             | 0,00                                | 3,12                      |
| 25         | 10,64                     | 2,92                       | 2,87                               | 2,33  | 0,78             | 0,00              | 0,75             | 0,56                                          | 3,53                                             | 2,38                                | 5,91                      |
| 26         | 10,45                     | 1,90                       | 1,90                               | 0,88  | 0,95             | 0,95              | 0,00             | 0,00                                          | 5,12                                             | 3,04                                | 8,16                      |
| 27         | 10,39                     | 1,36                       | 1,36                               | 1,20  | 0,67             | 0,00              | 0,67             | 0,53                                          | 2,48                                             | 0,60                                | 3,07                      |
| 28         | 10,09                     | 1,22                       | 1,22                               | 0,97  | 0,16             | 0,16              | 0,00             | 0,00                                          | 1,62                                             | 0,06                                | 1,68                      |
| 29         | 10,05                     | 1,05                       | 1,05                               | 0,80  | 0,31             | 0,12              | 0,20             | 0,08                                          | 3,12                                             | 0,48                                | 3,60                      |

Table 1: An information sheet for the clusters that we considered to have the greatest potential for restoration is presented in Annex 1.

## Conclusion

In conclusion, the Restore Nature: Native Woodlands project establishes a comprehensive GIS-based framework that identifies 29 priority native woodland clusters, 14 of which are detailed in Annex I, for the restoration, expansion, and reconnection of high conservation value Annex I native woodlands, strategically leveraging public lands across Ireland. This analysis maps a total of 2,216.9 km<sup>2</sup> of native woodland habitat, with 129.28 km<sup>2</sup> situated directly on public land managed by Coillte, the National Parks and Wildlife Service (NPWS), and Bord na Móna, and an additional 72.71 km<sup>2</sup> lying immediately adjacent (within 200m), creating viable opportunities for rapid, landscape-scale habitat restoration. Priority sites like Killarney National Park (Cluster 1) and Glendalough, Clara Vale, Glenealy Woods and Devil's Glen (Cluster 2) exemplify the potential, aligning precisely with Ireland's legal obligations under Articles 4(1), 4(4), and 4(7) of the EU Nature Restoration Regulation (2024/1697) to restore and re-establish habitats such as old sessile oak woods and alluvial forests, while also supporting species recovery like that of the lesser horseshoe bat through enhanced connectivity.

These findings underscore the socio-economic and practical advantages of prioritising public lands, comprising 8-11% of Ireland's land area and already including significant SAC/SPA designations, as "low-hanging fruit" for ambitious restoration, bypassing the complexities of fragmented private ownership. By focusing on clusters defined by proximity ( $\leq 500\text{m}$ ), size, ALEW presence, and Article 17 overlaps, the project not only advances biodiversity resilience, gene flow, and ecological connectivity but also contributes broader climate and restoration ecology benefits, as evidenced by synergies with lesser horseshoe bat range expansion efforts. Nonetheless, realising this potential demands rigorous site-specific assessments to address constraints including protected semi-natural habitats, wetlands, and dependent species, ensuring interventions are ecologically sound and integrated into Ireland's National Restoration Plan for maximum impact.

# Annex I – Cluster information sheets

Out of the 29 clusters listed, we have selected 14 for their potential for restoration based on the proximity of the woodland polygons, size of the adjacent public land and presence (and overlap) of ALEW and Article 17 woodlands. The names of the clusters are provisional:

- Cluster 1: Killarney National Park (Co. Kerry)
- Cluster 2: Glendalough, Clara Vale, Glenealy Woods and Devil’s Glen (Co. Wicklow)
- Cluster 3: Lismore (Co. Waterford)
- Cluster 4: Avoca Valley (Co. Wicklow)
- Cluster 5: Dromore Woods (Co. Clare)
- Cluster 6: Lakelands between Cootehill (Co. Cavan) and Rockcorry (Co. Monaghan).
- Cluster 7: Glengarriff Woods (Co. Cork)
- Cluster 8: Lough Key Forest (Co. Roscommon)
- Cluster 9: South of Tullamore Complex (Co. Offaly)
- Cluster 10: Durrow Complex (Co. Laois)
- Cluster 14: Glencar Valley (Co. Kerry)
- Cluster 15: Portumna Forest (Co. Galway)
- Cluster 16: Woodstock Forest (Co. Kilkenny)
- Cluster 25: Pollnaknockaun Wood (Co. Galway)

All the figures contained in the factsheets are expressed in square kilometers.

The symbology used for the maps is the following:

## Cluster analysis

 Native Woodland clusters (top 30)

 Overlap ALEW & Art 17

## Native Woodlands

Native Woodland adjacent to PL

 91A0 Old oak woodlands HDWH17\_AR1719

 91D0 Bog woodland HDWH17\_AR1719

 91E0 Residual alluvial forests HDWH17\_AR1719

 91J0 Taxus baccata woods HDWH17\_AR1719

 Ancient and Long Established Woodland Inventory

 Native Woodland Survey

 Native Woodland (all)

 Native Woodland - 200m buffer (general boundary)

## Public Land

Public Land adjacent to NW

 BnM Land AIE Request COSEC00486 010425

 BnM\_IPC\_Licence\_Boundaries (20200515)

 Coillte Biodiversity Areas\_(Bio\_Class)

 Coillte Boundaries - Ownership

 Coillte Boundaries - Property

 PRA\_State\_Assets

 National Parks combined (6/7)

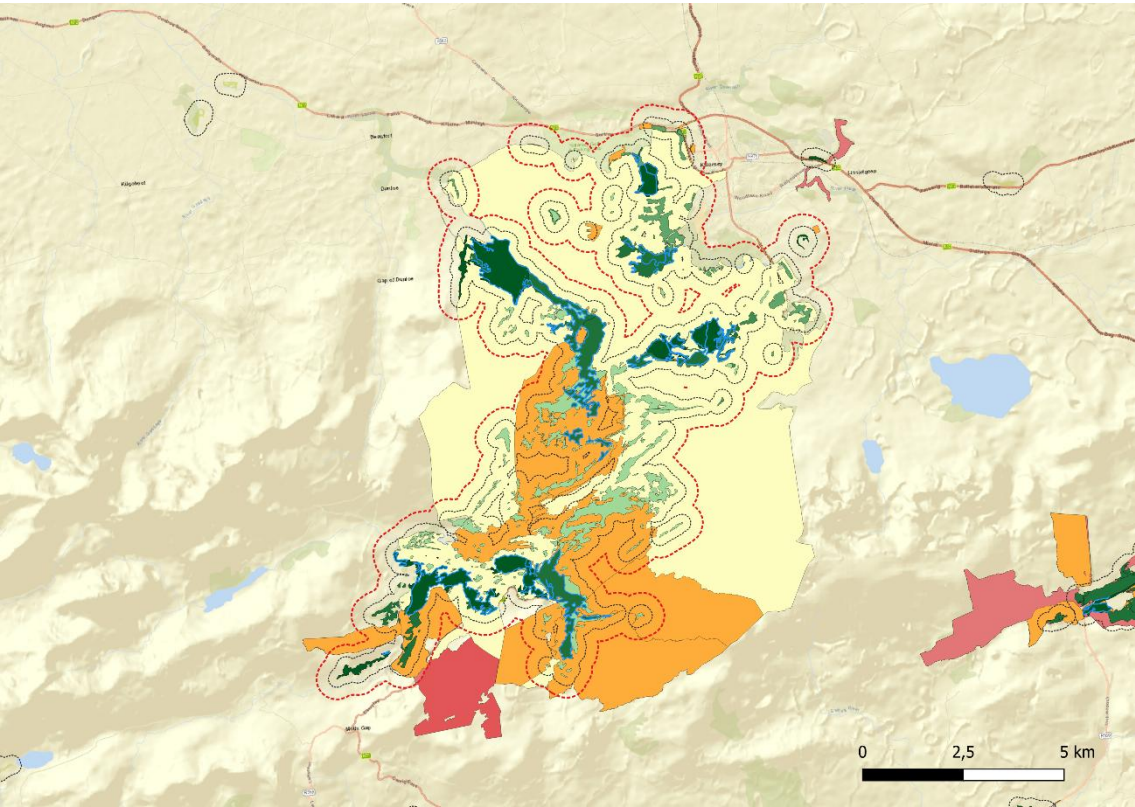
## Administrative boundaries

 Counties

# Cluster 1

**Name of the cluster:** Killarney National Park (Co. Kerry)

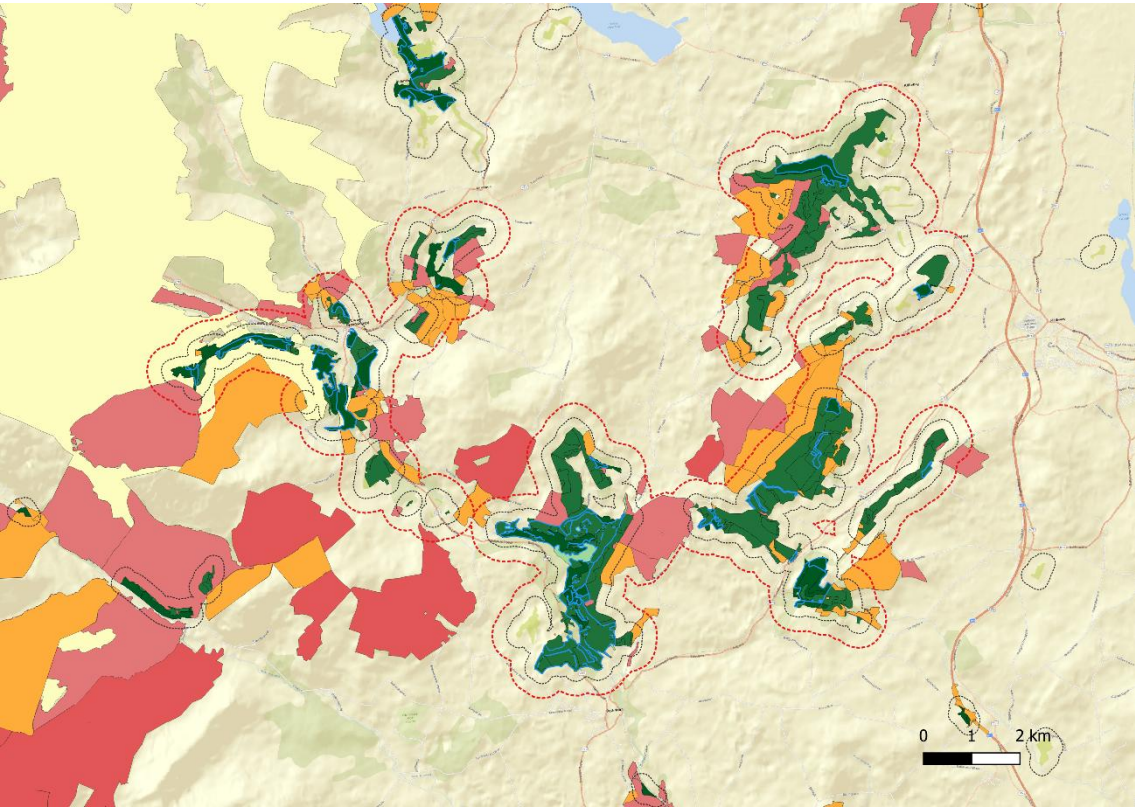
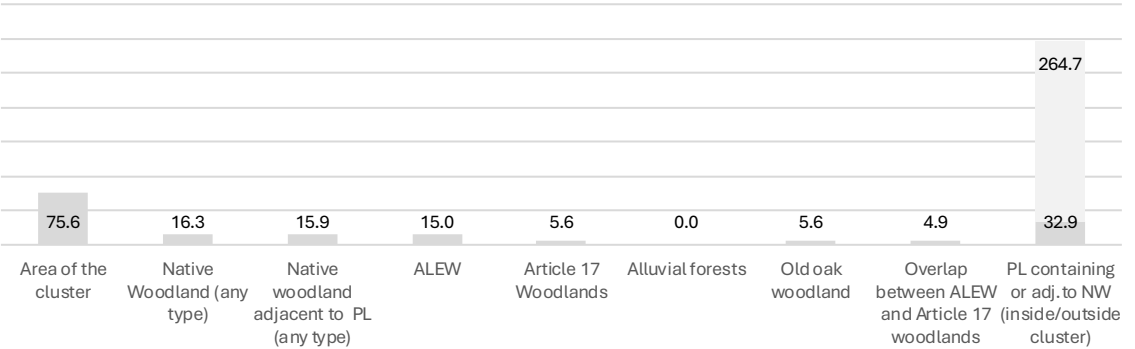
The total area of the cluster is 87,78 km<sup>2</sup>, where 14,89 km<sup>2</sup> are covered by native woodlands (14,89 km<sup>2</sup> of which are on or adjacent to public land). This includes 7,77 km<sup>2</sup> of ALEW and 13,67 km<sup>2</sup> of Article 17 woodlands (with 6,61 km<sup>2</sup> of overlap between the two). We found a total of 110,72 km<sup>2</sup> of public land adjacent to the native woodland identified, 72,37 km<sup>2</sup> of which are inside the cluster and the remaining 38,35 km<sup>2</sup> are outside the boundary of the cluster. The site contains extensive areas of Killarney National Park (Co. Kerry).



Cluster 2

**Name of the cluster:** Glendalough, Clara Vale, Glenealy Woods and Devil’s Glen (Co. Wicklow)

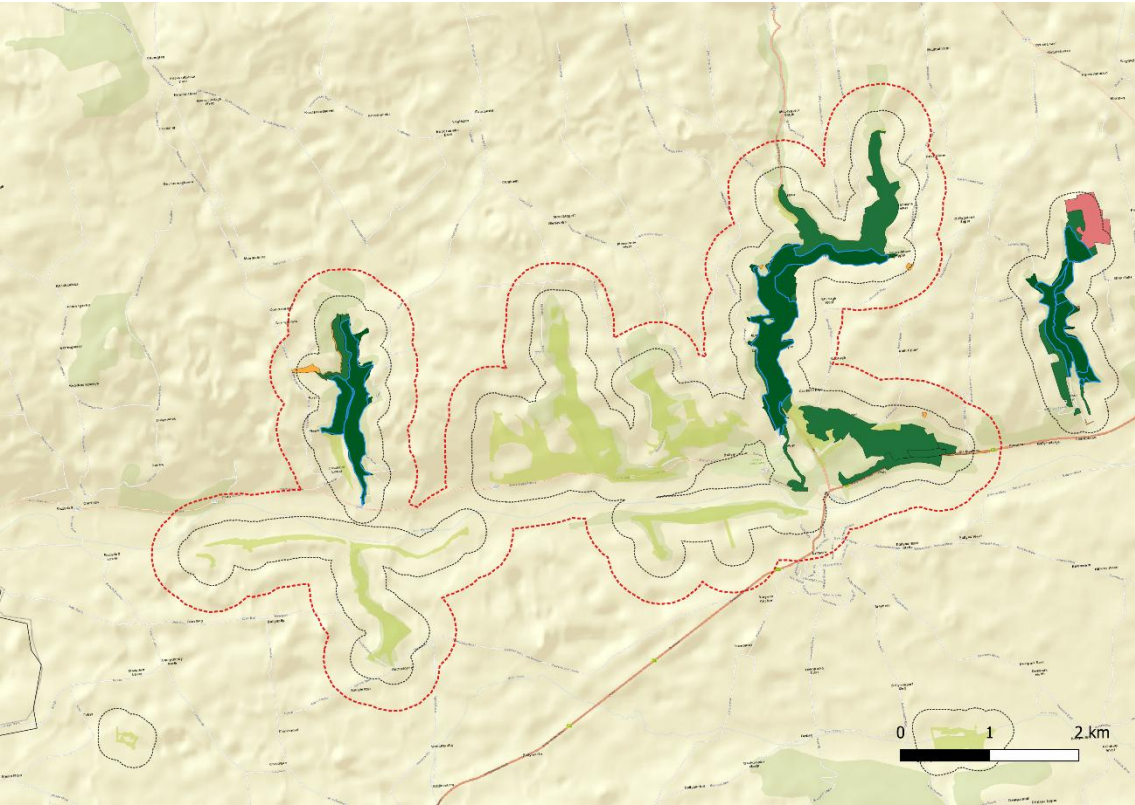
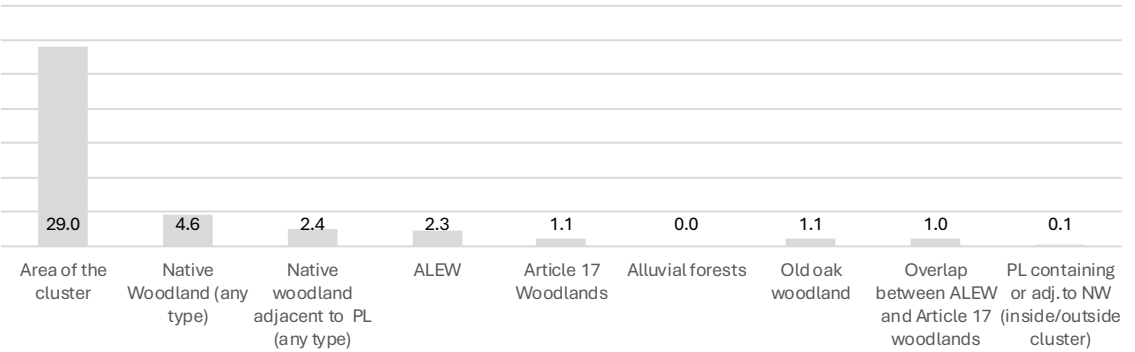
The total area of the cluster is 75,64 km<sup>2</sup>, where 16,33 km<sup>2</sup> are covered by native woodlands (15,93 km<sup>2</sup> of which are on or adjacent to public land). This includes 14,99 km<sup>2</sup> of ALEW and 5,64 km<sup>2</sup> of Article 17 woodlands (with 4,89 km<sup>2</sup> of overlap between the two). We found a total of 297,65 km<sup>2</sup> of public land adjacent to the native woodland identified, 32,91 km<sup>2</sup> of which are inside the cluster and the remaining 264,73 km<sup>2</sup> are outside the boundary of the cluster. The site contains numerous designated sites including the Wicklow Mountains SAC / SPA, Vale Of Vale of Clara (Rathdrum Wood) SAC / pNHA, Glenealy Woods pNHA and the Devil's Glen pNHA. The presence of extensive areas of Coillte forests and the Wicklow Mountains National Park presents an incredible opportunity to restore native woodlands at scale.



### Cluster 3

**Name of the cluster:** Lismore (Co. Waterford)

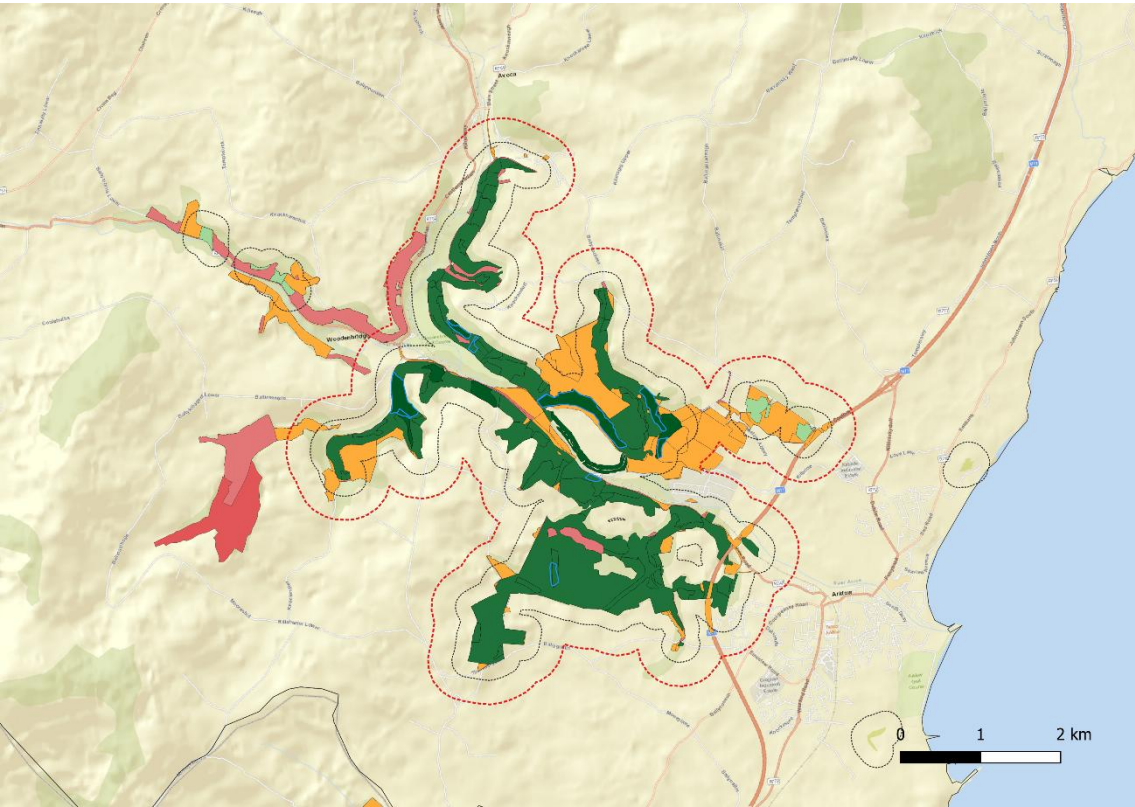
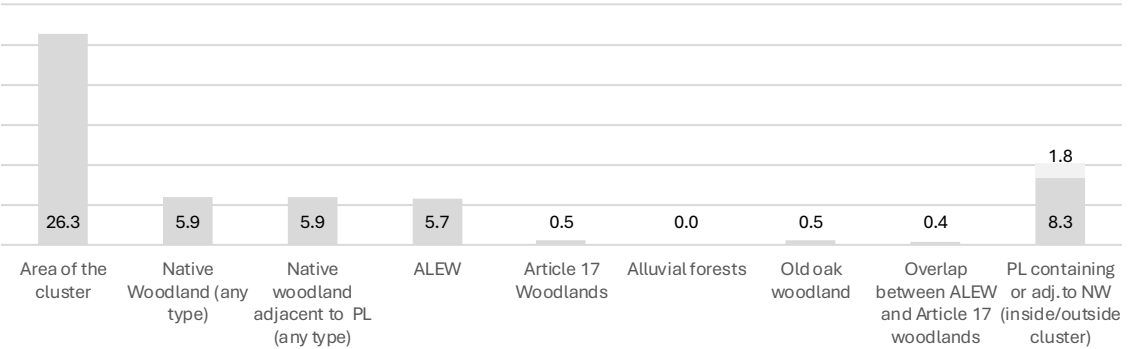
The total area of the cluster is 28,97 km<sup>2</sup>, where 4,64 km<sup>2</sup> are covered by native woodlands (2,40 km<sup>2</sup> of which are on or adjacent to public land). This includes 2,35 km<sup>2</sup> of ALEW and 1,08 km<sup>2</sup> of Article 17 woodlands (with 1,03 km<sup>2</sup> of overlap between the two). We found a total of 0,11 km<sup>2</sup> of public land adjacent to the native woodland identified, 0,11 km<sup>2</sup> of which are inside the cluster and the remaining 0,00 km<sup>2</sup> are outside the boundary of the cluster. The site contains Ballysaggartmore Woods and designated sites such as Lismore Woods pNHA and Glenmore Wood pNHAs, the Blackwater SAC and Blackwater Callows SPA /pNHA.



# Cluster 4

**Name of the cluster:** Avoca Valley (Co. Wicklow)

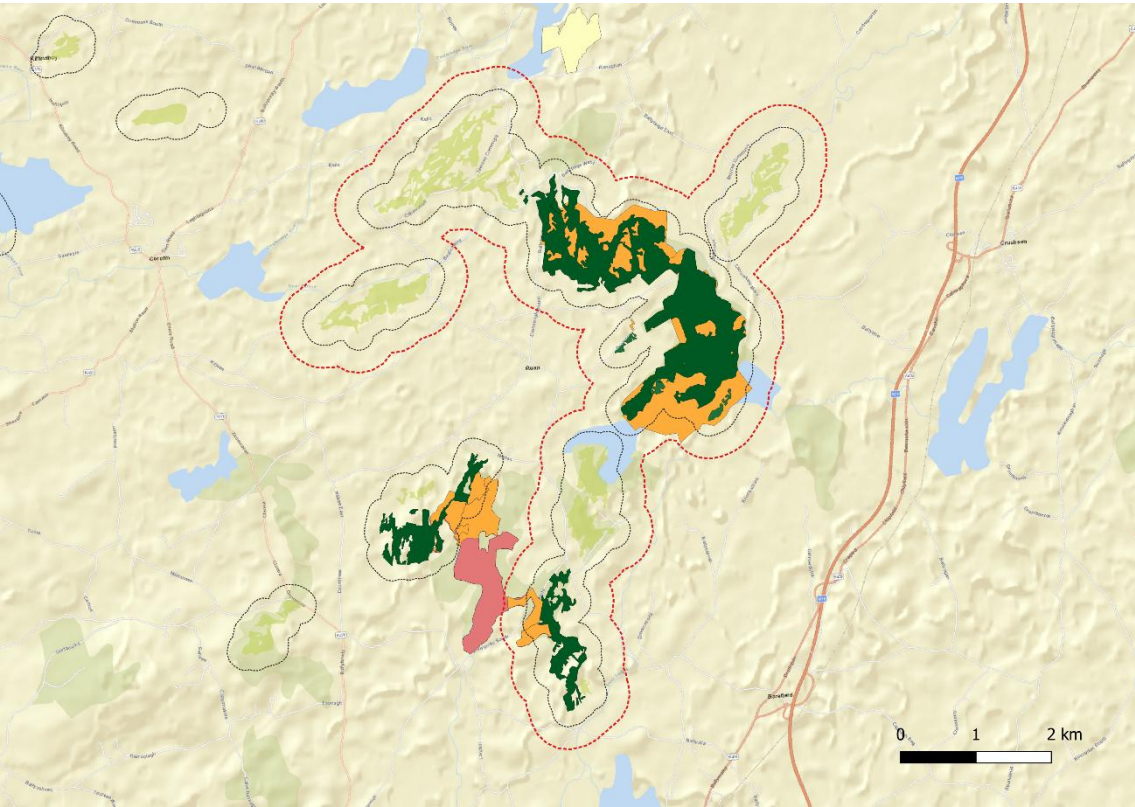
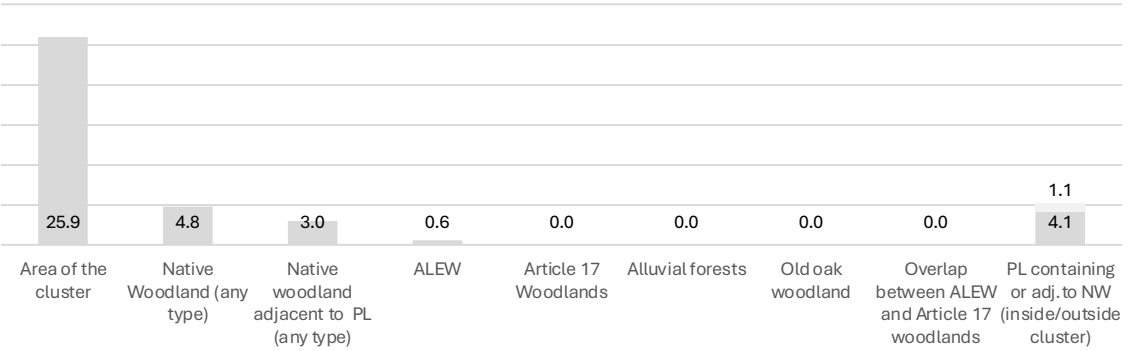
The total area of the cluster is 26,33 km<sup>2</sup>, where 5,88 km<sup>2</sup> are covered by native woodlands (5,88 km<sup>2</sup> of which are on or adjacent to public land). This includes 5,67 km<sup>2</sup> of ALEW and 0,50 km<sup>2</sup> of Article 17 woodlands (with 0,39 km<sup>2</sup> of overlap between the two). We found a total of 10,08 km<sup>2</sup> of public land adjacent to the native woodland identified, 8,26 km<sup>2</sup> of which are inside the cluster and the remaining 1,82 km<sup>2</sup> are outside the boundary of the cluster. The site contains the Avoca River Valley pNHA and Coillte owned Kilmagig Woods.



# Cluster 5

**Name of the cluster:** Dromore Woods (Co. Clare)

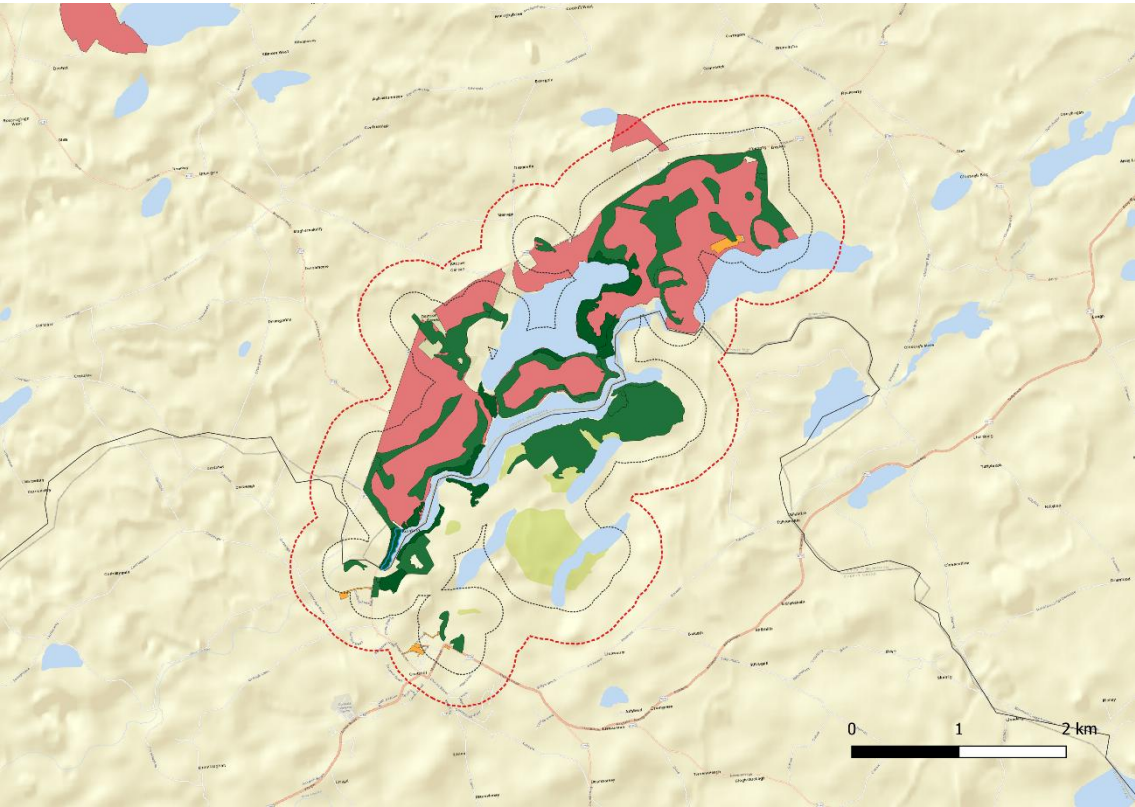
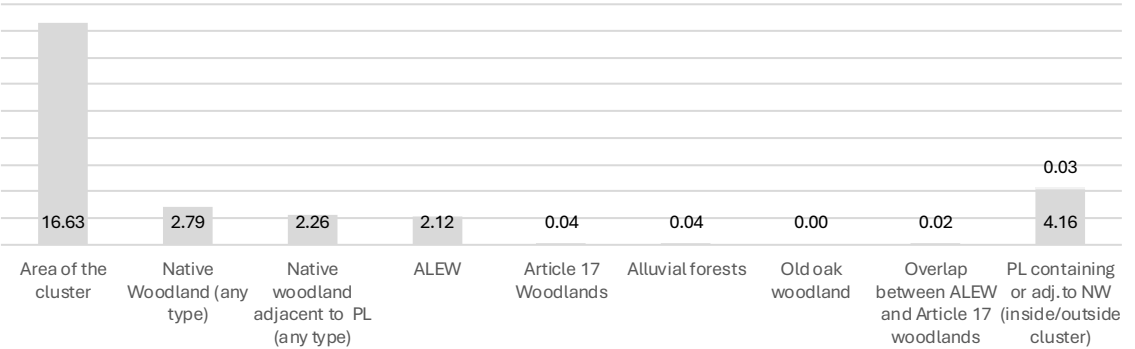
The total area of the cluster is 25,91 km<sup>2</sup>, where 4,84 km<sup>2</sup> are covered by native woodlands (3,02 km<sup>2</sup> of which are on or adjacent to public land). This includes 0,61 km<sup>2</sup> of ALEW and 0,00 km<sup>2</sup> of Article 17 woodlands (with 0,00 km<sup>2</sup> of overlap between the two). We found a total of 5,21 km<sup>2</sup> of public land adjacent to the native woodland identified, 4,08 km<sup>2</sup> of which are inside the cluster and the remaining 1,13 km<sup>2</sup> are outside the boundary of the cluster. The site contains the Dromore Woods And Loughs SAC / pNHA.



# Cluster 6

**Name of the cluster:** Lakelands between Cootehill (Co. Cavan) and Rockcorry (Co. Monaghan).

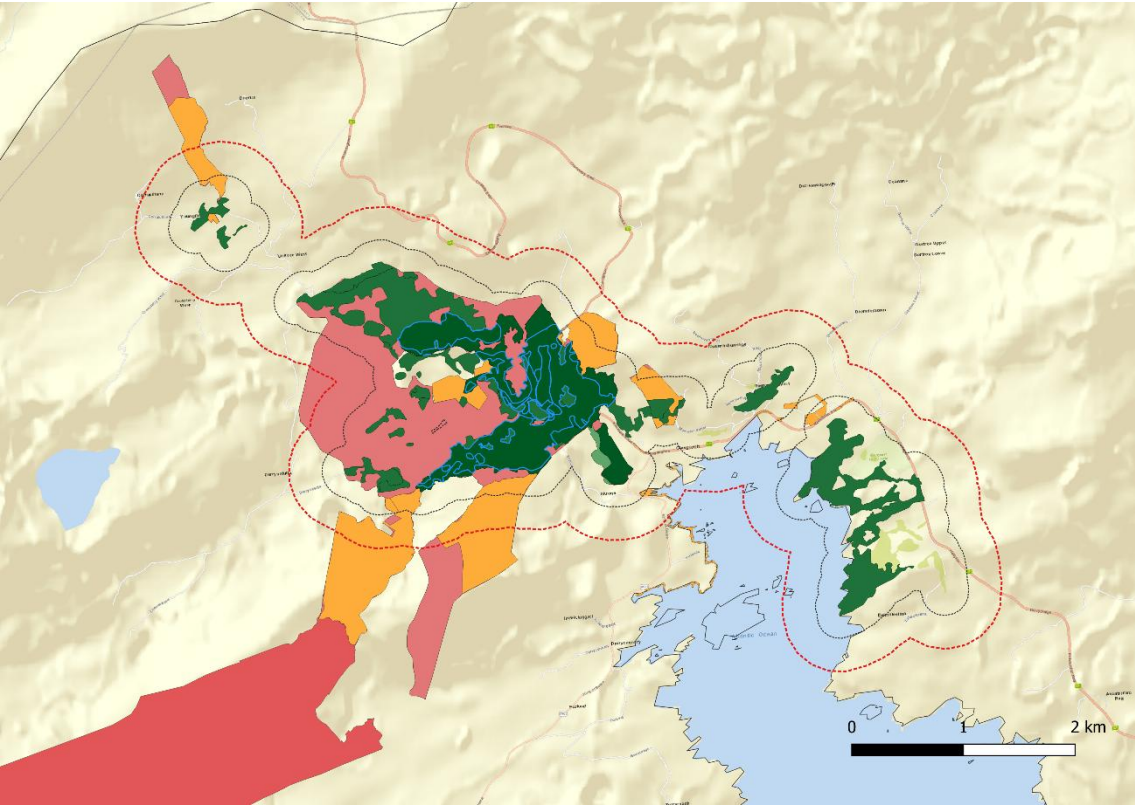
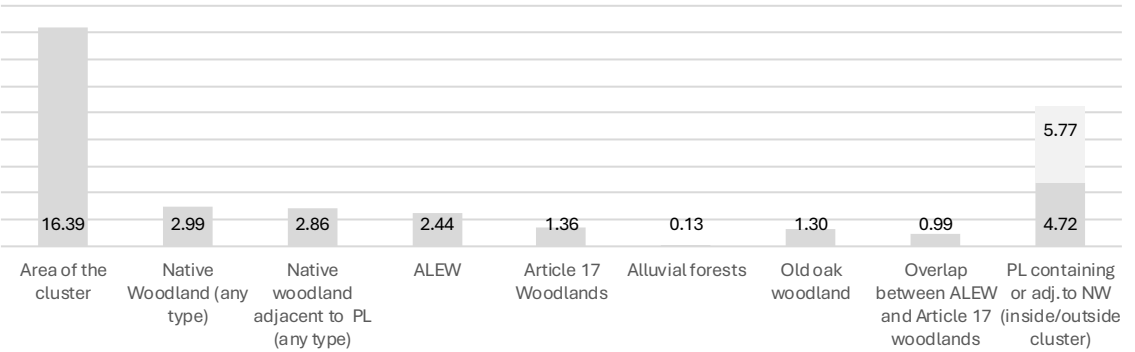
The total area of the cluster is 16,63 km<sup>2</sup>, where 2,79 km<sup>2</sup> are covered by native woodlands (2,26 km<sup>2</sup> of which are on or adjacent to public land). This includes 2,12 km<sup>2</sup> of ALEW and 0,04 km<sup>2</sup> of Article 17 woodlands (with 0,02 km<sup>2</sup> of overlap between the two). We found a total of 4,19 km<sup>2</sup> of public land adjacent to the native woodland identified, 4,16 km<sup>2</sup> of which are inside the cluster and the remaining 0,03 km<sup>2</sup> are outside the boundary of the cluster. The site contains the Dromore Lakes pNHA and Coillte owned woodlands within Fairfield Demesne and Dawson Grove Demesne.



# Cluster 7

**Name of the cluster:** Glengarriff Woods (Co. Cork)

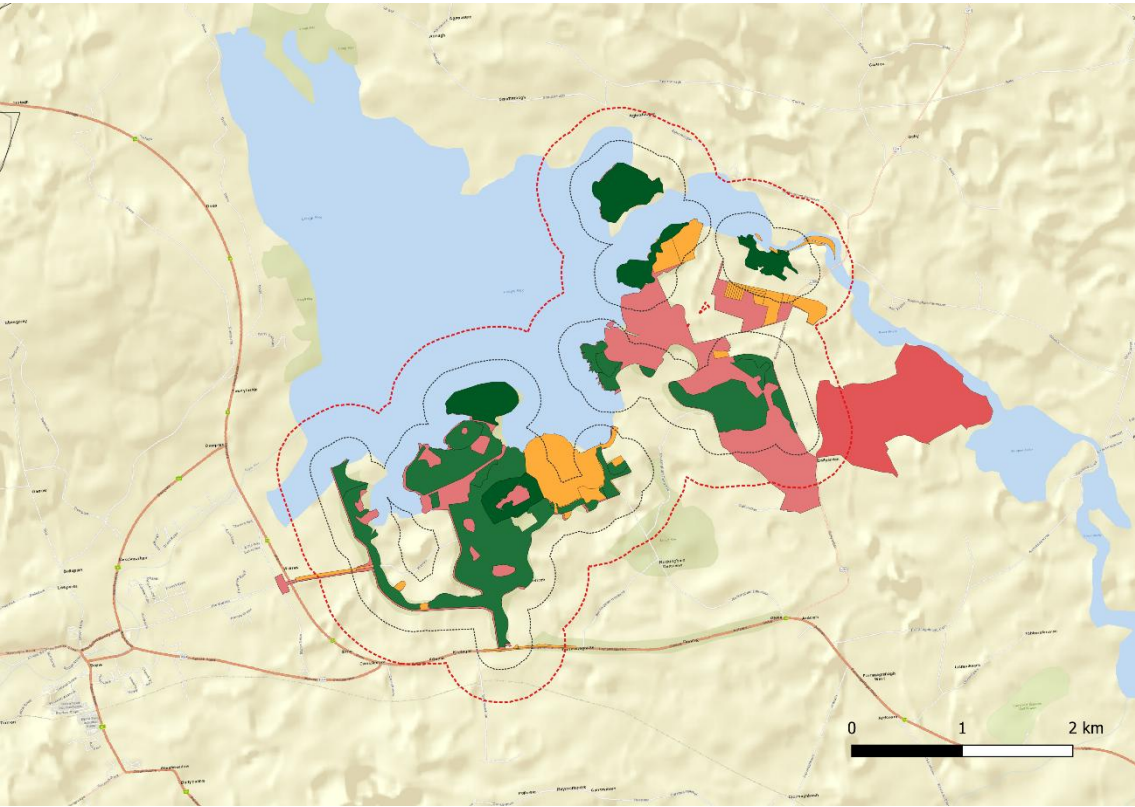
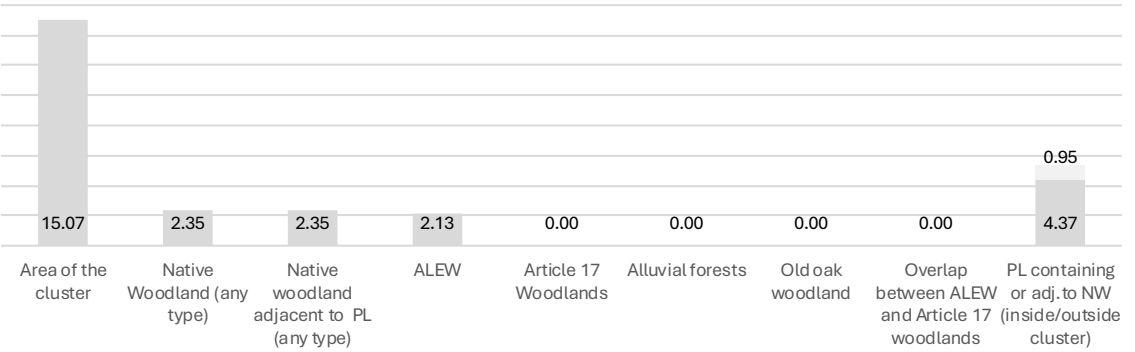
The total area of the cluster is 16,39 km<sup>2</sup>, where 2,99 km<sup>2</sup> are covered by native woodlands (2,86 km<sup>2</sup> of which are on or adjacent to public land). This includes 2,44 km<sup>2</sup> of ALEW and 1,36 km<sup>2</sup> of Article 17 woodlands (with 0,99 km<sup>2</sup> of overlap between the two). We found a total of 10,49 km<sup>2</sup> of public land adjacent to the native woodland identified, 4,72 km<sup>2</sup> of which are inside the cluster and the remaining 5,77 km<sup>2</sup> are outside the boundary of the cluster. The site contains Coillte owned Pooleen Wood and the Glengarriff Nature Reserve which is part of the Glengarriff Harbour and Woodland SAC / pNHA.



# Cluster 8

**Name of the cluster:** Lough Key Forest (Co. Roscommon)

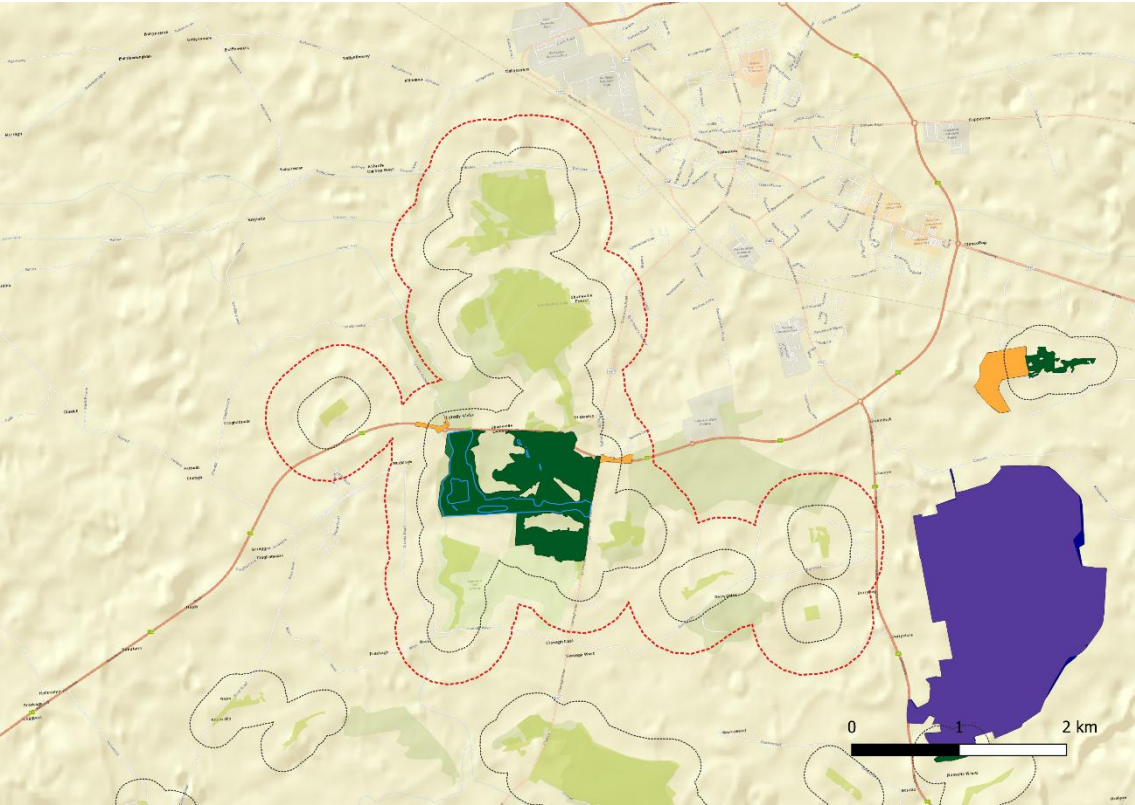
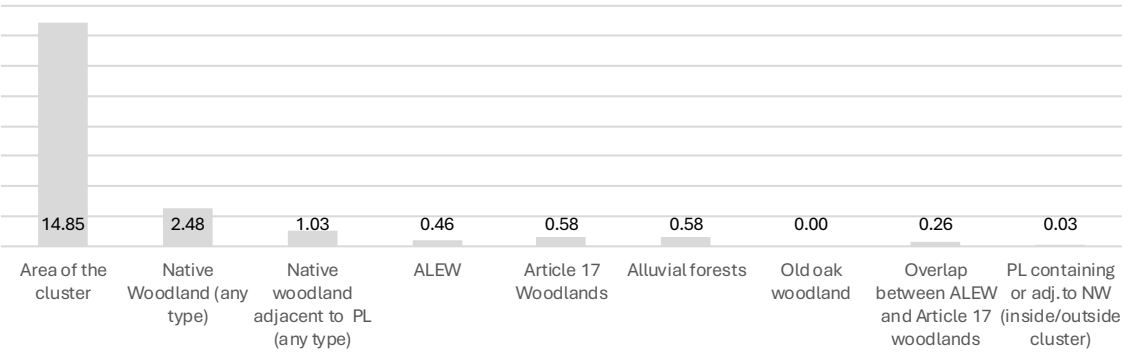
The total area of the cluster is 15,07 km<sup>2</sup>, where 2,35 km<sup>2</sup> are covered by native woodlands (2,35 km<sup>2</sup> of which are on or adjacent to public land). This includes 2,13 km<sup>2</sup> of ALEW and 0,00 km<sup>2</sup> of Article 17 woodlands (with 0,00 km<sup>2</sup> of overlap between the two). We found a total of 5,32 km<sup>2</sup> of public land adjacent to the native woodland identified, 4,37 km<sup>2</sup> of which are inside the cluster and the remaining 0,95 km<sup>2</sup> are outside the boundary of the cluster. The site contains Drumman's Island pNHA and extensive areas of Coillte owned Lough Key Forest.



Cluster 9

Name of the cluster: South of Tullamore Complex (Co. Offaly)

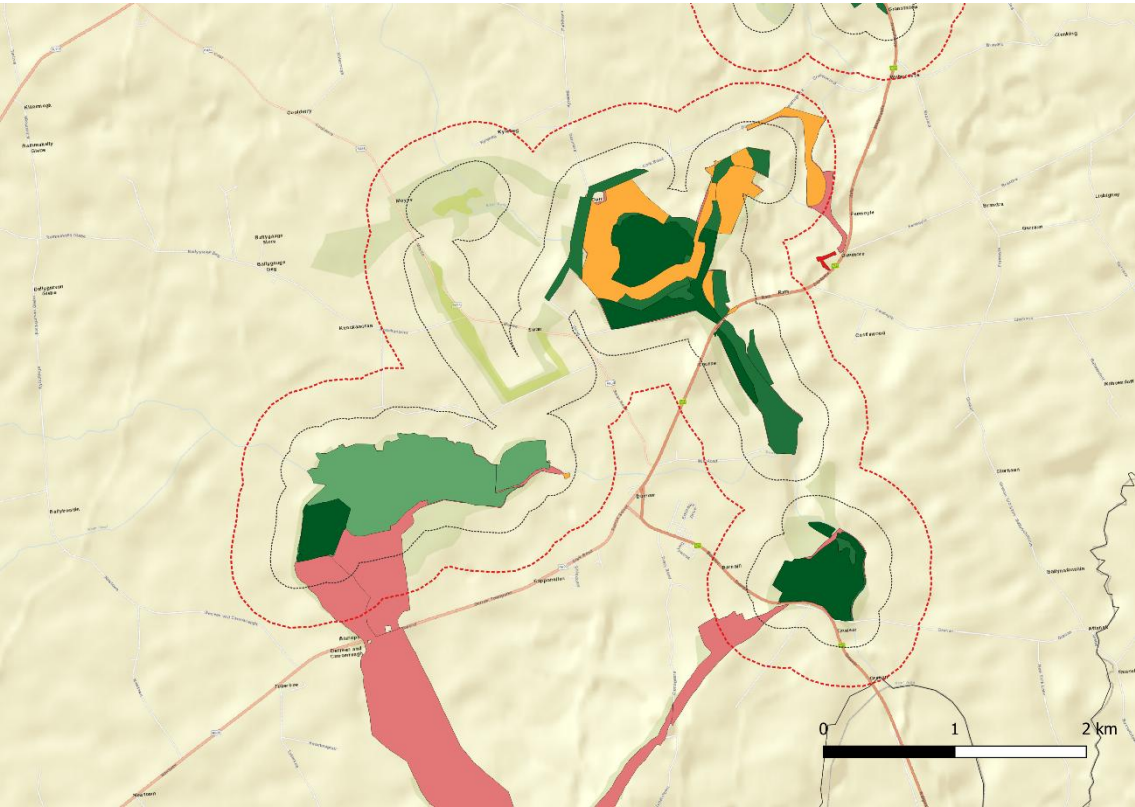
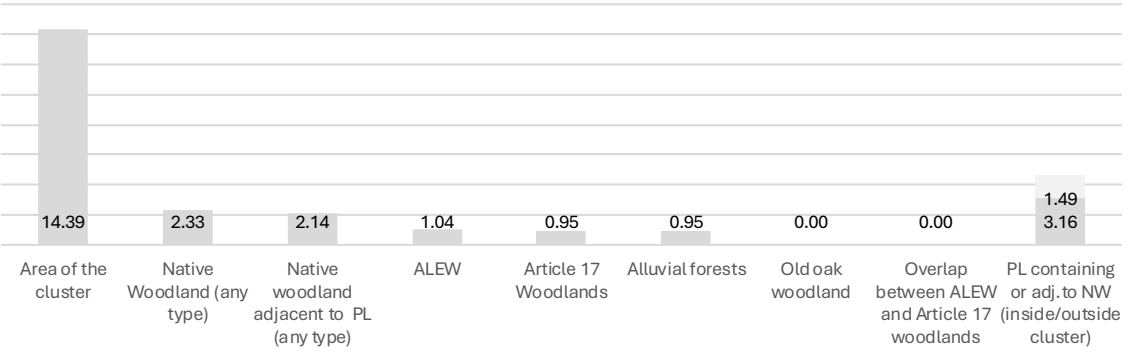
The total area of the cluster is 14,85 km<sup>2</sup>, where 2,48 km<sup>2</sup> are covered by native woodlands (1,03 km<sup>2</sup> of which are on or adjacent to public land). This includes 0,46 km<sup>2</sup> of ALEW and 0,58 km<sup>2</sup> of Article 17 woodlands (with 0,26 km<sup>2</sup> of overlap between the two). We found a total of 0,03 km<sup>2</sup> of public land adjacent to the native woodland identified, 0,03 km<sup>2</sup> of which are inside the cluster and the remaining 0,00 km<sup>2</sup> are outside the boundary of the cluster. The site contains the Charleville Wood SAC / pNHA, however the area of adjacent public land is quite limited.



# Cluster 10

**Name of the cluster:** Durrow Complex (Co. Laois)

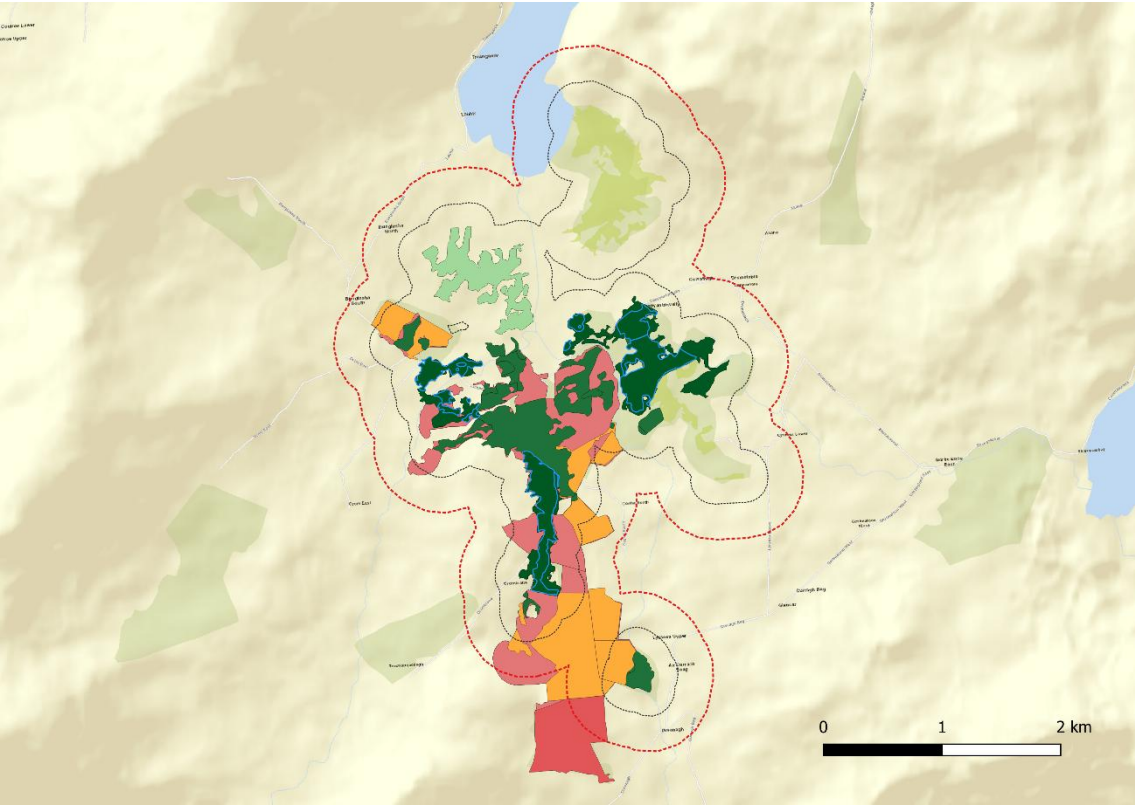
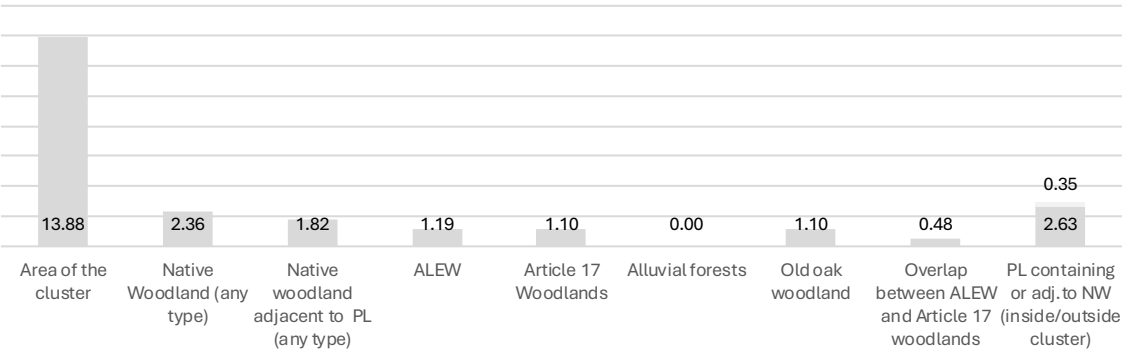
The total area of the cluster is 14,39 km<sup>2</sup>, where 2,33 km<sup>2</sup> are covered by native woodlands (2,14 km<sup>2</sup> of which are on or adjacent to public land). This includes 1,04 km<sup>2</sup> of ALEW and 0,95 km<sup>2</sup> of Article 17 woodlands (with 0,00 km<sup>2</sup> of overlap between the two). We found a total of 4,65 km<sup>2</sup> of public land adjacent to the native woodland identified, 3,16 km<sup>2</sup> of which are inside the cluster and the remaining 1,49 km<sup>2</sup> are outside the boundary of the cluster. The site contains the River Barrow and the River Nore SAC, the River Nore SPA and the River Nore and Abbeyleix Woods Complex pNHA. The site contains Coillte owned Dunmore Wood, Capponellan Forest, Barnhill Woods and Clonageera Woodlands, Laois.



# Cluster 14

**Name of the cluster:** Glencar Valley (Co. Kerry)

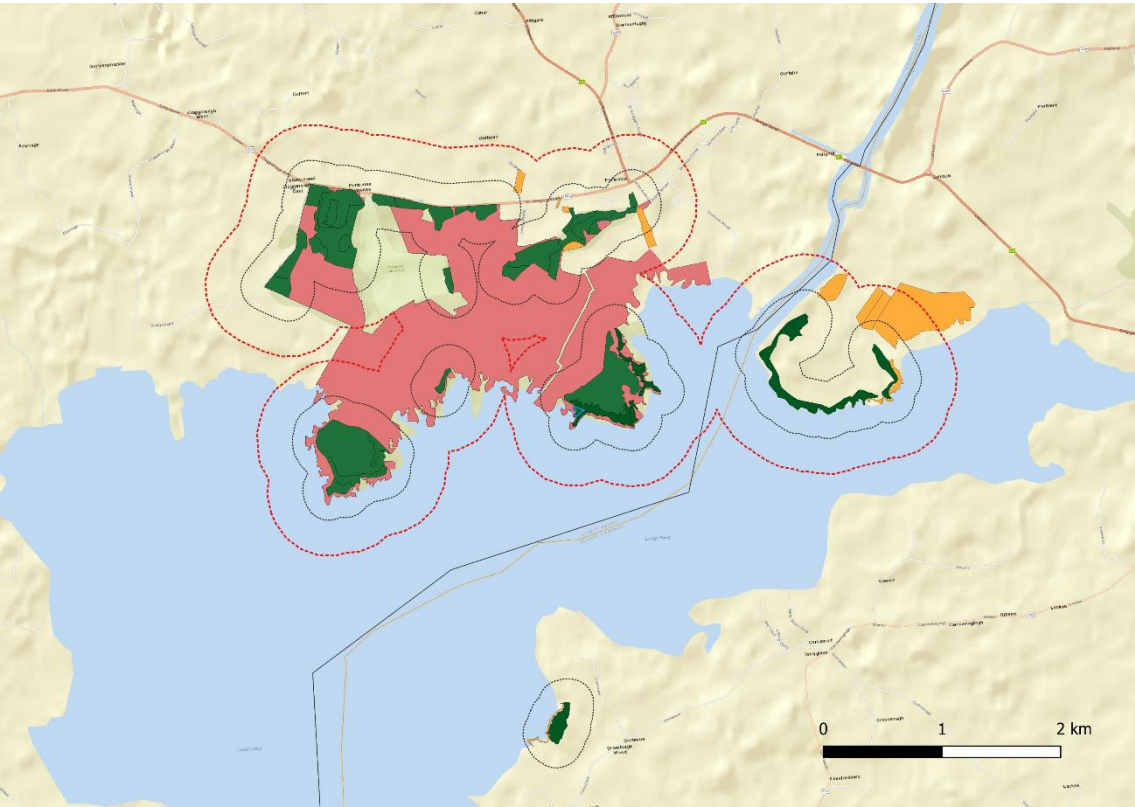
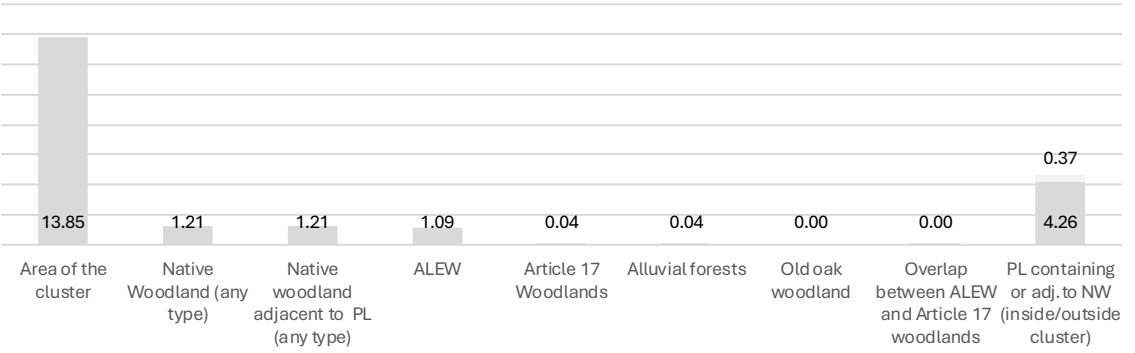
The total area of the cluster is 13,88 km<sup>2</sup>, where 2,36 km<sup>2</sup> are covered by native woodlands (1,82 km<sup>2</sup> of which are on or adjacent to public land). This includes 1,19 km<sup>2</sup> of ALEW and 1,10 km<sup>2</sup> of Article 17 woodlands (with 0,48 km<sup>2</sup> of overlap between the two). We found a total of 2,98 km<sup>2</sup> of public land adjacent to the native woodland identified, 2,63 km<sup>2</sup> of which are inside the cluster and the remaining 0,35 km<sup>2</sup> are outside the boundary of the cluster. The site bounds the River Caragh and is within the Killarney National Park, Macgillycuddy's Reeks And Caragh River Catchment SAC / pNHA and contains Coillte owned Lickeen Forest.



# Cluster 15

**Name of the cluster:** Portumna Forest (Co. Galway)

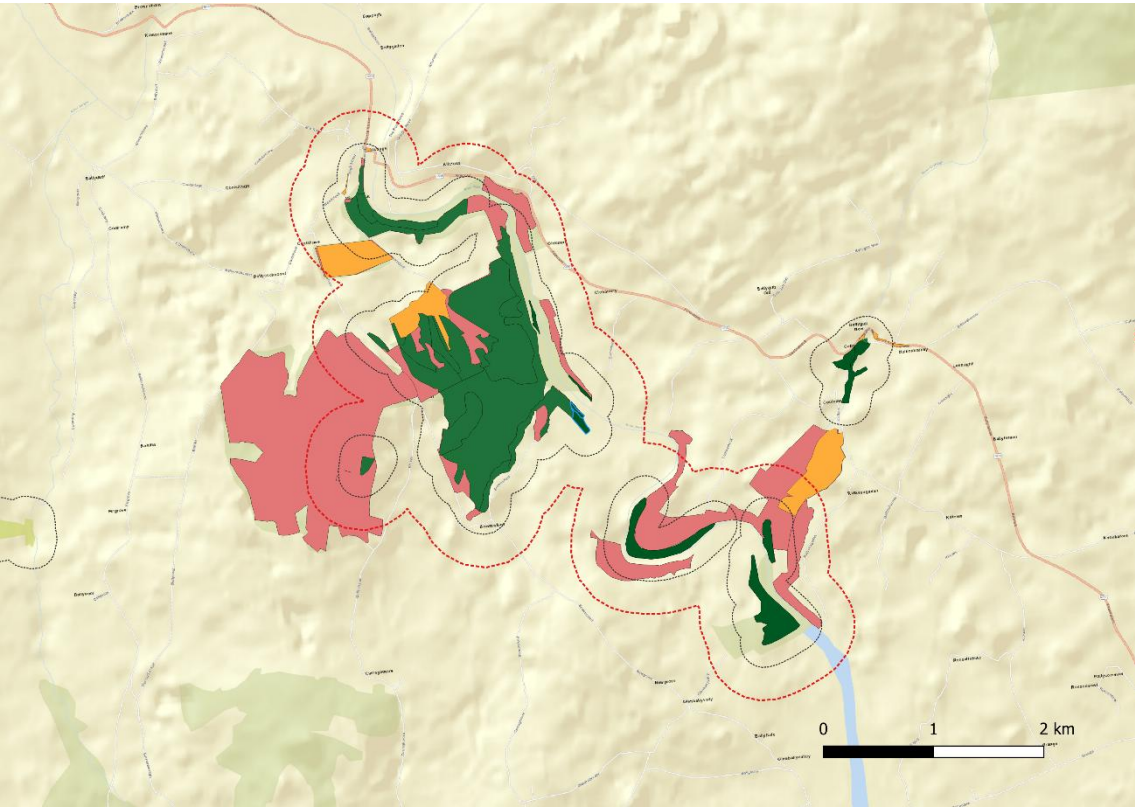
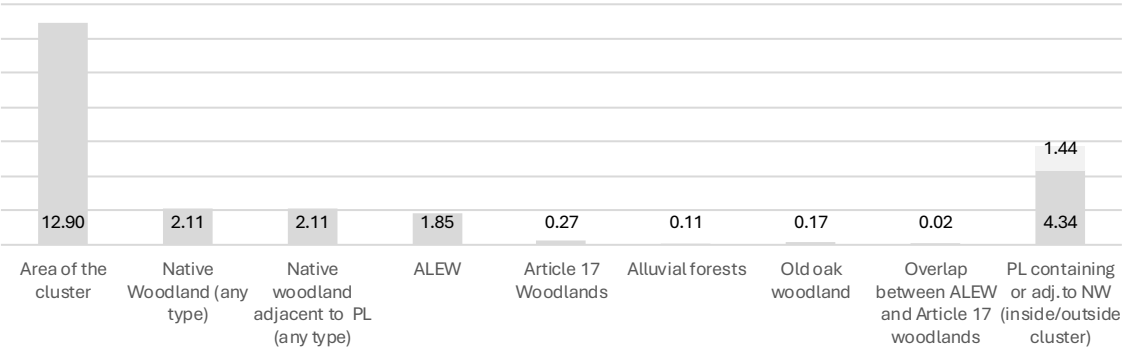
The total area of the cluster is 13,85 km<sup>2</sup>, where 1,21 km<sup>2</sup> are covered by native woodlands (1,21 km<sup>2</sup> of which are on or adjacent to public land). This includes 1,09 km<sup>2</sup> of ALEW and 0,04 km<sup>2</sup> of Article 17 woodlands (with 0,00 km<sup>2</sup> of overlap between the two). We found a total of 4,64 km<sup>2</sup> of public land adjacent to the native woodland identified, 4,26 km<sup>2</sup> of which are inside the cluster and the remaining 0,37 km<sup>2</sup> are outside the boundary of the cluster. The site contains the Lough Derg, North-east shore SAC and the Lough Derg pNHA. The site includes Coillte owned Portumna Forest Park and lands owned by the Electricity Supply Board (ESB) in the townland of Lahinch.



# Cluster 16

**Name of the cluster:** Woodstock Forest (Co. Kilkenny)

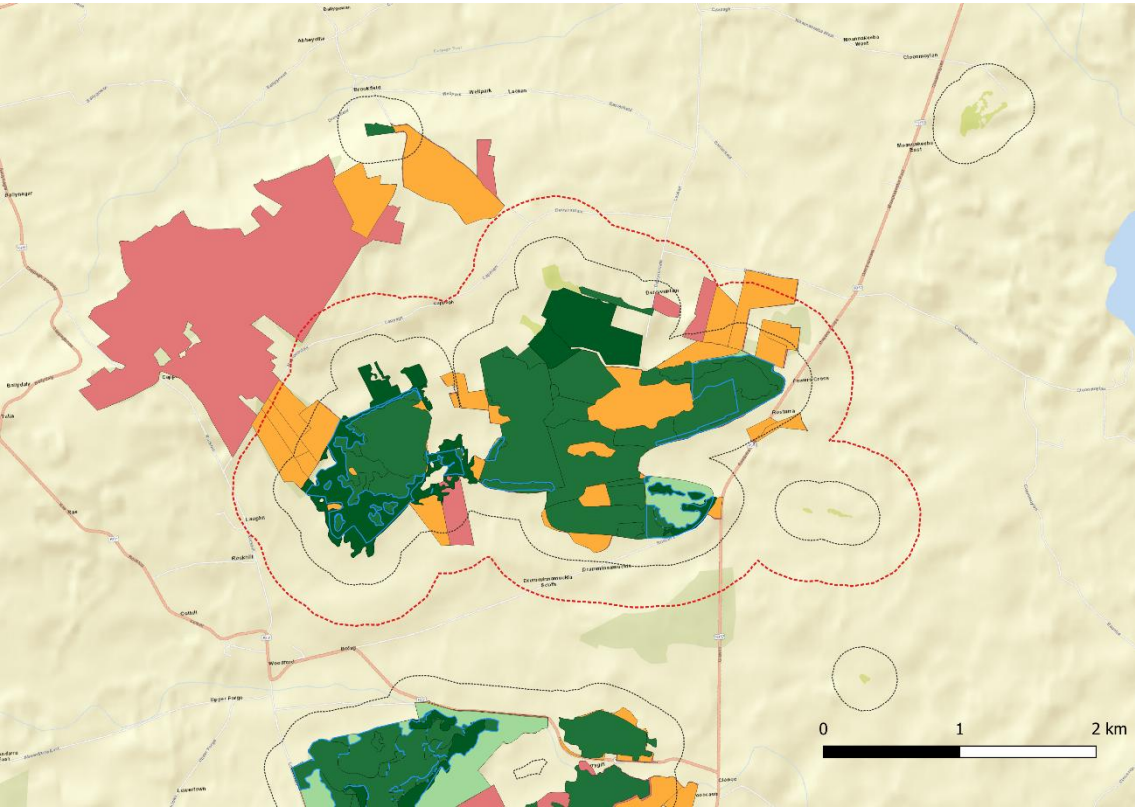
The total area of the cluster is 12,90 km<sup>2</sup>, where 2,11 km<sup>2</sup> are covered by native woodlands (2,11 km<sup>2</sup> of which are on or adjacent to public land). This includes 1,85 km<sup>2</sup> of ALEW and 0,27 km<sup>2</sup> of Article 17 woodlands (with 0,02 km<sup>2</sup> of overlap between the two). We found a total of 5,78 km<sup>2</sup> of public land adjacent to the native woodland identified, 4,34 km<sup>2</sup> of which are inside the cluster and the remaining 1,44 km<sup>2</sup> are outside the boundary of the cluster. The site contains the designated sites of River Barrow and River Nore SAC, River Nore SPA and Inistioge pNHA. The site contains the extensive Coillte woodlands along the River Nore including the Woodstock estate near the village of Inistioge, Co. Kilkenny.



# Cluster 25

**Name of the cluster:** Pollnacknockaun Wood (Co. Galway)

The total area of the cluster is 10,64 km<sup>2</sup>, where 2,92 km<sup>2</sup> are covered by native woodlands (2,87 km<sup>2</sup> of which are on or adjacent to public land). This includes 2,33 km<sup>2</sup> of ALEW and 0,78 km<sup>2</sup> of Article 17 woodlands (with 0,56 km<sup>2</sup> of overlap between the two). We found a total of 5,91 km<sup>2</sup> of public land adjacent to the native woodland identified, 3,53 km<sup>2</sup> of which are inside the cluster and the remaining 2,38 km<sup>2</sup> are outside the boundary of the cluster. The site contains Pollnacknockaun Wood Nature Reserve SAC / pNHA and Slieve Aughty Mountains SPA. Unfortunately the negative conservation outlook for Hen harrier (*Circus Cyaneus*) within the SPA means that any expansion of native woodland within the SPA is not currently possible.



## Annex 2 – Native Woodland Project GIS Map

