



Coillte Teoranta

# Forest Management Plan

Glenmalure

WW07

2006 to 2010

District Manager

Tom Lyng

District

E1



## Table of Contents

|         |                               |
|---------|-------------------------------|
|         | Introduction                  |
| Table 1 | Area by Objective             |
| Table 2 | Area by Special Consideration |
| Table 3 | Area by Fell Year             |
| Table 4 | Area by Species Group         |
| Table 5 | Listing of Restocking MUs     |

Map 3.1 Location Map

Map 3.2 Clearfell Areas

Map 3.3 Thinning Areas

Map 3.4 Restocking Map



# Introduction

Forest: WW07 Glenmalure  
District: E1 District Manager Tom Lyng

Glenmalure forest is situated in mid Co. Wicklow, is part of the main Wickow - Dublin mountain range. The forest extends along a narrow deep gorge-like valley of glacial origin running from east to west. It also forms catchment areas for the Avonbeg and Ow rivers. Lugnaquilla the third highest mountain (926 metres) in Ireland divides the forest area into two halves, one area along the very steep slopes of the Avonbeg river and the other to the south on more open countryside.

The main soil type in Glenmalure are Free draining acid brown earths composed of local shales and mixed glacial drift cover the lower slopes up to 300 metres. Above this level podsols, climatic peats and lithosols abound. Along the Avonbeg river basin alluvium soils abound.

The main towns and villages located in the catchment area of Glenmalure forest are Greenan, Kirikee in the centre, Laragh to the north, and Aghavannagh to the south. This is not a densely populated area, but has a high visitor numbers composed mainly of hillwalkers. The area has a high historical significance Drumgoff Barracks of 1798 period, Feach McHugh O Byrne monument and Cullens Rock all add to the attraction of visitors to the valley throughout the year.

The management focus for the forest is concerned with Timber production 81%, but there is also a focus on Biodiversity (13.7%) coupled with the high scenic value of the area, means that future management plans will take species diversification and landscape design plans into account.

The forest contains 1 and 1 experiment plots. Proposed SPs (if any) containing either seedstands or experiment plots will be marked SD or EX as appropriate in tables 2.6 and 2.7

**Table 1 Area by Objective**

| Forest:               | WW07 | Glenmalure       |               |
|-----------------------|------|------------------|---------------|
| <u>OBJECTIVE</u>      |      | <u>AREA (ha)</u> | <u>%</u>      |
| Timber Production     |      | 3,081.4          | 81.0%         |
| Biodiversity          |      | 523.7            | 13.8%         |
| Conservation          |      | 194.6            | 5.1%          |
| Non-forest Commercial |      | 6.3              | 0.2%          |
| <b>Total</b>          |      | <b>3,806.0</b>   | <b>100.0%</b> |

**Table 2 Area by Special Consideration**

| <b>Forest:</b>                      | WW07 | Glenmalure              |                 |
|-------------------------------------|------|-------------------------|-----------------|
| <b><u>SPECIAL CONSIDERATION</u></b> |      | <b><u>AREA (ha)</u></b> | <b><u>%</u></b> |
| Access County Road                  |      | 25.1                    | 0.7%            |
| Expensive Access Road               |      | 1.4                     | 0.0%            |
| Experimentation                     |      | 9.7                     | 0.3%            |
| Farm Partnership                    |      | 38.4                    | 1.0%            |
| Fisheries Protection                |      | 1.3                     | 0.0%            |
| High Landscape Sensitivity          |      | 75.8                    | 2.0%            |
| IFUT                                |      | 29.4                    | 0.8%            |
| Legal                               |      | 15.5                    | 0.4%            |
| None                                |      | 2,853.5                 | 75.0%           |
| Statutory Designation               |      | 486.0                   | 12.8%           |
| Wildlife                            |      | 269.8                   | 7.1%            |
| <b>Total</b>                        |      | <b>3,806.0</b>          | <b>100.0%</b>   |



Table 3 Area by Fell Year

Forest: WW07

Glenmalure

| <u>FELL YEAR</u>                       | <u>AREA (ha)</u>    | <u>ANNUAL AVERAGE</u> |
|--|---------------------|-----------------------|
| 2006                                   | 74.5                |                       |
| 2007                                   | 118.6               |                       |
| 2008                                   | 44.4                |                       |
| 2009                                   | 16.6                |                       |
| <b><u>5 Year Total and Average</u></b> | <b><u>254.1</u></b> | <b><u>31.76</u></b>   |
| 2010                                   | 52.1                |                       |
| 2011                                   | 89.2                |                       |
| 2012                                   | 52.9                |                       |
| 2013                                   | 165.4               |                       |
| 2014                                   | 38.3                |                       |
| <b><u>5 Year Total and Average</u></b> | <b><u>397.8</u></b> | <b><u>39.78</u></b>   |
| 2015                                   | 52.6                |                       |
| 2016                                   | 37.0                |                       |



| <u>FELL YEAR</u>                       | <u>AREA (ha)</u>    | <u>ANNUAL AVERAGE</u> |
|--|---------------------|-----------------------|
| 2017                                   | 162.7               |                       |
| 2018                                   | 78.8                |                       |
| 2019                                   | 131.4               |                       |
| <b><u>5 Year Total and Average</u></b> | <b><u>462.5</u></b> | <b><u>46.25</u></b>   |
| 2020                                   | 101.0               |                       |
| 2021                                   | 31.3                |                       |
| 2022                                   | 42.7                |                       |
| 2023                                   | 97.0                |                       |
| 2024                                   | 84.4                |                       |
| <b><u>5 Year Total and Average</u></b> | <b><u>356.4</u></b> | <b><u>39.60</u></b>   |

**Table 4 Area by Species Group**

|         |                      |                  |              |
|---------|----------------------|------------------|--------------|
| Forest: | WW07                 | Glenmalure       |              |
|         | <u>SPECIES GROUP</u> | <u>AREA (ha)</u> | <u>%</u>     |
|         | ALD                  | 2.7              | 0.1          |
|         | BE                   | 5.5              | 0.2          |
|         | BI                   | 17.6             | 0.5          |
|         | DF                   | 62.0             | 1.8          |
|         | FIR                  | 46.5             | 1.4          |
|         | LAR                  | 210.6            | 6.2          |
|         | LP                   | 94.3             | 2.8          |
|         | NS                   | 100.4            | 3.0          |
|         | OAK                  | 23.9             | 0.7          |
|         | OB                   | 3.2              | 0.1          |
|         | OC                   | 13.7             | 0.4          |
|         | OP                   | 40.2             | 1.2          |
|         | SS                   | 2,750.0          | 81.6         |
|         |                      | <b>3,370.6</b>   | <b>100.0</b> |





|     |         |                   |                    |      |     |      |     |     |     |     |     |     |     |     |     |     |     |
|-----|---------|-------------------|--------------------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 69  | WW07-1  | Conservation      | Statutory Designat | 2.3  | 0.3 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 109 | WW07-1  | Biodiversity      | None               | 10.9 | 1.6 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 136 | WW07-1  | Conservation      | Statutory Designat | 22.2 | 3.3 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 76  | WW07-4  | Biodiversity      | None               | 4.9  | 0.7 | 0.0  | 0.0 | 3.4 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92  | WW07-5  | Biodiversity      | Statutory Designat | 0.7  | 0.1 | 0.0  | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 107 | WW07-5  | Biodiversity      | Statutory Designat | 2.4  | 0.4 | 0.0  | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| 95  | WW07-6  | Timber Production | None               | 24.5 | 3.7 | 14.6 | 0.0 | 2.1 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 272 | WW07-13 | Timber Production | None               | 9.4  | 1.4 | 6.3  | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85  | WW07-14 | Timber Production | None               | 11.8 | 1.8 | 8.0  | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 116 | WW07-15 | Timber Production | None               | 27.5 | 4.1 | 16.3 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 |
| 113 | WW07-16 | Timber Production | None               | 1.1  | 0.2 | 0.7  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 |

**Total MU Area 118.6**

| <b>2008</b> |                    |                  |                               |                     |             |               |           |           |                  |            |           |            |           |            |           |  |            |           |
|-------------|--------------------|------------------|-------------------------------|---------------------|-------------|---------------|-----------|-----------|------------------|------------|-----------|------------|-----------|------------|-----------|--|------------|-----------|
| <b>MU</b>   | <b>Map Cutting</b> | <b>Objective</b> | <b>Special Considerations</b> | <b>MU Area (ha)</b> | <b>Open</b> | <b>Spruce</b> | <b>LP</b> | <b>SP</b> | <b>Area (ha)</b> |            |           |            |           |            |           |  | <b>Ald</b> | <b>OB</b> |
|             |                    |                  |                               |                     |             |               |           |           | <b>LAR</b>       | <b>FIR</b> | <b>OC</b> | <b>Oak</b> | <b>BE</b> | <b>Ash</b> | <b>BI</b> |  |            |           |





|     |        |                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|--------|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 188 | WW09-7 | Timber Production | None | 2.0 | 0.3 | 1.4 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|-----|--------|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

**Total MU Area 16.6**

| <b>2010</b>          |                    |                   |                               |                     |                  |           |           |            |            |           |            |           |            |           |            |           |  |  |
|----------------------|--------------------|-------------------|-------------------------------|---------------------|------------------|-----------|-----------|------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|--|--|
| <b>MU</b>            | <b>Map Cutting</b> | <b>Objective</b>  | <b>Special Considerations</b> | <b>MU Area (ha)</b> | <b>Area (ha)</b> |           |           |            |            |           |            |           |            |           |            |           |  |  |
|                      |                    |                   |                               | <b>Open</b>         | <b>Spruce</b>    | <b>LP</b> | <b>SP</b> | <b>LAR</b> | <b>FIR</b> | <b>OC</b> | <b>Oak</b> | <b>BE</b> | <b>Ash</b> | <b>BI</b> | <b>Ald</b> | <b>OB</b> |  |  |
| 42                   | WW07-1             | Conservation      | Statutory Designat            | 3.3                 | 0.5              | 0.0       | 0.0       | 0.0        | 1.4        | 0.0       | 0.0        | 0.0       | 0.0        | 1.4       | 0.0        | 0.0       |  |  |
| 133                  | WW07-1             | Conservation      | Statutory Designat            | 8.6                 | 1.3              | 0.0       | 0.0       | 0.0        | 0.0        | 0.0       | 0.0        | 0.0       | 0.0        | 0.0       | 0.0        |           |  |  |
| 75                   | WW07-4             | Biodiversity      | None                          | 6.5                 | 1.0              | 0.0       | 2.2       | 0.0        | 0.0        | 0.0       | 0.0        | 0.0       | 0.0        | 1.6       | 1.6        | 0.0       |  |  |
| 147                  | WW07-4             | Timber Production | None                          | 3.8                 | 0.6              | 2.6       | 0.0       | 0.0        | 0.7        | 0.0       | 0.0        | 0.0       | 0.0        | 0.0       | 0.0        | 0.0       |  |  |
| 93                   | WW07-5             | Timber Production | None                          | 9.2                 | 1.4              | 0.0       | 1.6       | 0.0        | 0.0        | 0.0       | 6.2        | 0.0       | 0.0        | 0.0       | 0.0        | 0.0       |  |  |
| 141                  | WW07-15            | Timber Production | None                          | 7.6                 | 1.1              | 5.2       | 0.0       | 0.0        | 1.3        | 0.0       | 0.0        | 0.0       | 0.0        | 0.0       | 0.0        | 0.0       |  |  |
| 167                  | WW07-15            | Timber Production | None                          | 4.6                 | 0.7              | 2.8       | 0.0       | 0.0        | 0.8        | 0.0       | 0.0        | 0.0       | 0.0        | 0.4       | 0.0        | 0.0       |  |  |
| 139                  | WW07-16            | Timber Production | None                          | 8.4                 | 1.3              | 5.0       | 0.0       | 0.0        | 0.0        | 0.0       | 0.0        | 0.0       | 0.0        | 1.4       | 0.7        | 0.0       |  |  |
| <b>Total MU Area</b> |                    |                   |                               | <b>52.1</b>         |                  |           |           |            |            |           |            |           |            |           |            |           |  |  |