



Coillte Teoranta

# Forest Management Plan

Arigna

SO10

2006 to 2010

District Manager

Eugene Griffin

District

N2



## 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: SO10 Arigna  
District: N2 District Manager Eugene Griffin

Arigna forest is situated in the east of County Sligo and adjoins Kilronan Forest (RN01) and Lough Allen Forest (LM08). This is a highly forested area and the Arigna river nearly dissects the Forest. Seltannasaggart or Corrie Mountain lies to the East of the Forest.

The main soil type in Arigna are Gleys with some Blanket peat.

The main towns and villages located in the catchment area of Arigna forest are Geevagh and Conways Cross are the main villages in the Forest Area.

The management focus for the forest is concerned with Timber production is the main objective with 1,910 Hectarea or 90% of the Forest. Coillte's Open Forest Policy and the protection of habitats, biodiversity and the environment are also objectives for this Forest.

There are 256 Hectares planned to be Clearfelled during this planning period 2006 to 2010.

The Forecasted Volume of Timber for the 5 year period of this plan (2006 to 2010) is 82,000 m<sup>3</sup>.

922 Hectares are planned to receive a Standard Thinning. 359 Hectares are planned to receive at least one Thinning. 463 Hectares are classified as No Thinning due to Species suitability(Lp), stability and steep slopes.

The forest contains 0 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**

<u>OBJECTIVE</u>	<u>AREA (ha)</u>	<u>%</u>
Timber Production	1,911.6	90.1%
Biodiversity	202.1	9.5%
Conservation	8.8	0.4%
<b>Total</b>	<b>2,122.5</b>	<b>100.0%</b>



**Table 2 Area by Special Consideration**

<b>Forest:</b>	<b>SO10</b>	<b>Arigna</b>	
<b><u>SPECIAL CONSIDERATION</u></b>		<b><u>AREA (ha)</u></b>	<b><u>%</u></b>
Experimentation		6.1	0.3%
None		1,926.9	90.8%
Old Woodland Site		9.7	0.5%
Statutory Designation		179.7	8.5%
<b>Total</b>		<b>2,122.5</b>	<b>100.0%</b>



Table 3 Area by Fell Year

Forest: SO10

Arigna

<u>FELL YEAR</u>	<u>AREA (ha)</u>	<u>ANNUAL AVERAGE</u>
2006	47.9	
2007	14.2	
2008	65.1	
2009	74.5	
<b><u>5 Year Total and Average</u></b>	<b><u>201.8</u></b>	<b><u>25.22</u></b>
2010	19.4	
2011	83.4	
2012	28.6	
2013	54.0	
2014	27.1	
<b><u>5 Year Total and Average</u></b>	<b><u>212.4</u></b>	<b><u>21.24</u></b>
2015	66.6	
2016	8.9	



<u>FELL YEAR</u>	<u>AREA (ha)</u>	<u>ANNUAL AVERAGE</u>
2017	36.4	
2018	39.7	
2019	91.9	
<b><u>5 Year Total and Average</u></b>	<b><u>243.5</u></b>	<b><u>24.35</u></b>
2020	35.7	
2021	6.1	
2022	61.6	
2023	23.1	
2024	46.2	
<b><u>5 Year Total and Average</u></b>	<b><u>172.7</u></b>	<b><u>19.19</u></b>

**Table 4 Area by Species Group**

Forest:	SO10	Arigna	
	<u>SPECIES GROUP</u>	<u>AREA (ha)</u>	<u>%</u>
	ASH	9.2	0.5
	BE	1.3	0.1
	BI	17.9	0.9
	FIR	1.7	0.1
	LAR	43.4	2.3
	LP	464.1	24.4
	NS	8.2	0.4
	OAK	0.1	0.0
	OB	0.2	0.0
	OC	1.4	0.1
	SS	1,354.5	71.2
		<b>1,901.9</b>	<b>100.0</b>



**Table 5 Listing of Restocking MUs**

Forest: SO10

Arigna

<b>2006</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>	
50	SO10-3	Timber Production	None	13.6	3.4	4.1	2.6	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
33	SO10-5	Timber Production	None	2.5	0.4	1.5	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	
97	SO10-5	Timber Production	None	8.6	1.3	4.4	2.2	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.0	
152	SO10-9	Timber Production	None	14.5	2.2	8.6	1.9	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
160	SO10-10	Timber Production	None	8.7	1.3	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	
				<b>Total MU Area</b>	<b>47.9</b>												
<b>2007</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>	
102	SO10-6	Timber Production	None	5.9	0.9	4.3	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
148	SO10-9	Timber Production	None	8.4	1.3	3.9	2.1	0.0	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0	
				<b>Total MU Area</b>	<b>14.2</b>												



2008																		
MU	Map Cutting	Objective	Special Considerations	MU Area (ha)	Open	Spruce	LP	SP	Area (ha)								Ald	OB
									LAR	FIR	OC	Oak	BE	Ash	BI			
19	SO10-1	Timber Production	None	10.8	1.6	4.1	4.1	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	
130	SO10-8	Timber Production	None	26.3	5.3	15.8	3.2	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
140	SO10-8	Timber Production	None	9.7	2.9	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	
45	SO10-9	Timber Production	None	2.1	0.3	1.2	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	
155	SO10-9	Timber Production	None	16.2	3.3	6.5	3.9	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
<b>Total MU Area</b>				<b>65.1</b>														
2009																		
MU	Map Cutting	Objective	Special Considerations	MU Area (ha)	Open	Spruce	LP	SP	Area (ha)								Ald	OB
									LAR	FIR	OC	Oak	BE	Ash	BI			
11	SO10-1	Timber Production	Statutory Designat	12.1	3.6	3.8	3.4	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	
17	SO10-1	Timber Production	None	4.8	0.7	3.7	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	
106	SO10-6	Timber Production	None	3.1	0.5	2.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	
185	SO10-6	Timber Production	None	2.2	0.3	1.4	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	



126	SO10-8	Timber Production	None	11.2	2.8	4.6	2.5	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
150	SO10-9	Timber Production	None	4.9	0.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161	SO10-10	Timber Production	None	13.0	1.9	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	
168	SO10-10	Timber Production	None	9.6	1.4	4.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	
181	SO10-10	Timber Production	None	11.5	1.7	2.9	2.9	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
75	SO09-3,4	Timber Production	None	1.9	0.3	1.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	

**Total MU Area 74.5**

<b>2010</b>		<b>Objective</b>	<b>Special Considerations</b>	<b>MU Area (ha)</b>	<b>Area (ha)</b>												
<b>MU</b>	<b>Map Cutting</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>
153	SO10-9	Timber Production	None	19.4	2.9	12.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
<b>Total MU Area</b>				<b>19.4</b>													