



Coillte Teoranta

Forest Management Plan

Aghrane

GY04

2006 to 2010

District Manager

Gerry Gavin

District

W2



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Introduction

Forest: GY04 Aghrane
District: W2 District Manager Gerry Gavin

Aghrane forest is situated in Aghrane Forest is situated in North East Galway, on the Roscommon border in the river Suck catchment area. This is part of the river Shannon complex. The main portion of the forest exists around Aghrane Property formerly the Castlekelly Estate. Other sizable blocks within the forest spread out to Mount Mary and Abbeygrey together with a number of smaller units making up a total forest area of 1,477 hectares. The terrain of forest is mainly hilly giving way to the flatter areas in smaller properties around Mount mart.

The main soil type in Aghrane are Soil types within the forest varies from a very fertile brown earth in parts of the old estate to mainly a mineral gley in most of the forest area, with parts of the forest consisting of and merging into raised bog.

The main towns and villages located in the catchment area of Aghrane forest are Aghrane Forest encompasses the town of Ballygar. Creggs village also lies within the area of the Forest.

The management focus for the forest is concerned with The total area of the forest is 1477 ha and is a very productive timber producer. This Forest contains 266 management units, 191 with an area of 1221 ha are dedicated to timber production. The remaining 255 ha in 75 management units are dedicated to bio-diversity or conservation of designated NHA. The high ratio of management unit in relation to the forest area, average size 5.5 ha, acknowledges the sensitive management necessary on the old woodland sites and the NHA and SAC.

Up to the year 2024 it envisaged that 224 ha will be clearfelled. This represents an average fell area of 11.32 ha or less than 1% of forest area per annum.

Timber volumes planned for felling in the next 5 years amount to 23,494 M3, an average of 373M3 per ha.

A very low area, 46.3 ha or 4% of forest area will not be thinned. This reflects the low % of lodge pole pine present. 727 ha will be thinned as standard, the remainder will be thinned either once or up to 3 times.

The forest contains 4 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:	GY04	Aghrane	
<u>OBJECTIVE</u>		<u>AREA (ha)</u>	<u>%</u>
Timber Production		1,221.3	82.8%
Biodiversity		89.1	6.0%
Conservation		148.2	10.0%
Non-forest Commercial		2.6	0.2%
Seed Stand		14.6	1.0%
Total		1,475.9	100.0%



Table 2 Area by Special Consideration

Forest:	GY04	Aghrane	
<u>SPECIAL CONSIDERATION</u>		<u>AREA (ha)</u>	<u>%</u>
Archaeology		3.1	0.2%
Farm Partnership		111.4	7.5%
Fisheries Protection		11.4	0.8%
Legal		6.1	0.4%
None		853.8	57.9%
Old Woodland Site		326.9	22.1%
Statutory Designation		162.0	11.0%
Wildlife		1.1	0.1%
Total		1,475.9	100.0%



Table 3 Area by Fell Year

Forest: GY04

Aghrane

<u>FELL YEAR</u>	<u>AREA (ha)</u>	<u>ANNUAL AVERAGE</u>
2006	27.6	
2007	22.0	
2008	0.0	
2009	14.2	
<u>5 Year Total and Average</u>	<u>63.8</u>	<u>9.12</u>
2010	0.6	
2011	3.1	
2012	6.6	
2013	9.1	
2014	17.1	
<u>5 Year Total and Average</u>	<u>36.5</u>	<u>3.65</u>
2015	17.4	
2016	0.0	



<u>FELL YEAR</u>	<u>AREA (ha)</u>	<u>ANNUAL AVERAGE</u>
2017	12.8	
2018	19.6	
2019	13.9	
<u>5 Year Total and Average</u>	<u>63.7</u>	<u>7.08</u>
2020	16.4	
2021	0.0	
2022	3.7	
2023	11.0	
2024	28.1	
<u>5 Year Total and Average</u>	<u>59.2</u>	<u>7.40</u>

Table 4 Area by Species Group

Forest:	GY04	Aghrane	
	<u>SPECIES GROUP</u>	<u>AREA (ha)</u>	<u>%</u>
	ALD	4.9	0.4
	ASH	2.4	0.2
	BE	7.7	0.6
	BI	15.7	1.2
	DF	4.9	0.4
	FIR	0.3	0.0
	LAR	26.7	2.1
	LP	75.0	5.8
	NS	22.5	1.7
	OAK	11.2	0.9
	OB	11.5	0.9
	OP	7.2	0.6
	SS	1,101.3	85.3
	WRC	0.2	0.0
		1,291.3	100.0



44	GY04-10	Timber Production	Old Woodland Si	1.3	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
45	GY04-10	Timber Production	None	3.7	0.5	3.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181	GY04-10	Timber Production	Old Woodland Si	1.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.8	0.0	0.0	0.0
184	GY04-10	Timber Production	Old Woodland Si	3.3	0.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
205	GY04-10	Timber Production	None	2.3	0.5	1.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
262	GY04-10	Biodiversity	Fisheries Protect	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
242	GY04-11	Timber Production	None	1.3	0.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Total MU Area 22.0

2009																	
MU	Map Cutting	Objective	Special Considerations	MU Area (ha)	Area (ha)												
					Open	Spruce	LP	SP	LAR	FIR	OC	Oak	BE	Ash	BI	Ald	OB
028	GY03-2	Timber Production	None	1.3	0.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
40	GY04-11	Timber Production	None	5.1	0.8	4.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
237	GY04-11	Biodiversity	Old Woodland Si	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0
246	GY04-11	Conservation	Statutory Designat	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0



247	GY04-11	Biodiversity	Old Woodland Si	5.6	0.8	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
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261	GY04-11	Conservation	Statutory Designat	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0
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Total MU Area 14.2

2010

MU	Map Cutting	Objective	Special Considerations	MU Area (ha)	Area (ha)												
					Open	Spruce	LP	SP	LAR	FIR	OC	Oak	BE	Ash	BI	Ald	OB
1	GY04-1,15	Timber Production	None	0.6	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Total MU Area 0.6