



Coillte Teoranta

Forest Management Plan

Gowna

LD01

2006 to 2010

District Manager

District

PJ Fitzpatrick

N3



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Introduction

Forest: LD01 Gowna
District: N3 District Manager PJ Fitzpatrick

Gowna forest is situated in north Co. Longford. The topography of the forest is mainly low lying. The main lake in this forest is Lough Gowna.

The main soil type in Gowna are raised peat and gleys.

The main towns and villages located in the catchment area of Gowna forest are Moyne, Granard.

The management focus for the forest is concerned with timber production and biodiversity management primarily. Farm partnerships account for 10%, or 32 ha, of the timber productive areas in Gowna forest. The long term aim of the forest is to continue with timber production, manage farm partnerships efficiently, enhance old woodland sites and follow ecological plans for selected sites.

Over 24 ha is due for clearfell with an annual average of 6 ha over the plan period.

The expected timber production is estimated to be 15,626 m³ over the plan period with an annual average of 3,125 m³.

Over 85%, or 180 ha, of the 'conifer high forest' in Gowna forest is due to be thinned. The majority of Gowna forest will receive at least three thinnings.

The forest contains 2 and 0 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:	LD01	Gowna	
<u>OBJECTIVE</u>			<u>AREA (ha)</u>	<u>%</u>
Timber Production			213.2	67.2%
Biodiversity			46.4	14.6%
Conservation			57.5	18.1%
Total			317.2	100.0%



Table 2 Area by Special Consideration

Forest:	LD01	Gowna	
<u>SPECIAL CONSIDERATION</u>		<u>AREA (ha)</u>	<u>%</u>
Archaeology		0.2	0.1%
Farm Partnership		31.7	10.0%
IFUT		43.4	13.7%
Legal		10.7	3.4%
None		142.3	44.9%
Old Woodland Site		28.0	8.8%
Recreation Site		4.8	1.5%
Statutory Designation		56.0	17.7%
Total		317.2	100.0%



Table 3 Area by Fell Year

Forest: LD01

Gowna

<u>FELL YEAR</u>	<u>AREA (ha)</u>	<u>ANNUAL AVERAGE</u>
2006	0.0	
2007	13.3	
2008	0.0	
2009	10.8	
<u>5 Year Total and Average</u>	<u>24.2</u>	<u>4.03</u>
2010	7.1	
2011	20.2	
2012	11.7	
2013	11.7	
2014	0.0	
<u>5 Year Total and Average</u>	<u>50.7</u>	<u>5.64</u>
2015	0.0	
2016	26.4	



	<u>FELL YEAR</u>	<u>AREA (ha)</u>	<u>ANNUAL AVERAGE</u>
	2017	7.8	
	2018	0.0	
	2019	19.6	
<u>5 Year Total and Average</u>		<u>53.8</u>	<u>6.73</u>
	2020	0.0	
	2021	0.0	
	2022	0.0	
	2023	0.0	
	2024	17.7	
<u>5 Year Total and Average</u>		<u>17.7</u>	<u>3.53</u>

Table 4 Area by Species Group

Forest:	LD01	Gowna	
	<u>SPECIES GROUP</u>	<u>AREA (ha)</u>	<u>%</u>
	ALD	6.1	2.1
	ASH	2.5	0.9
	BE	10.0	3.5
	BI	12.3	4.3
	DF	16.2	5.7
	FIR	12.3	4.3
	LAR	1.3	0.4
	LP	15.6	5.5
	NS	53.7	18.8
	OAK	12.6	4.4
	OB	11.9	4.2
	OC	0.8	0.3
	OP	1.9	0.7
	SS	128.2	44.8
	WRC	0.6	0.2
		286.1	100.0



Table 5 Listing of Restocking MUs

Forest: LD01

Gowna

2007																			
MU	Map Cutting	Objective	Special Considerations	MU Area (ha)	Open	Spruce	LP	SP	Area (ha)									Ald	OB
									LAR	FIR	OC	Oak	BE	Ash	BI				
44	LD01-2	Timber Production	IFUT	12.5	1.3	9.6	0.0	0.0	0.6	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0		
45	LD01-2	Conservation	IFUT	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0		
Total MU Area				13.3															
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				
31	LD01-4	Conservation	Statutory Designat	6.6	2.6	0.0	0.0	2.4	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0		
36	LD01-4	Biodiversity	None	4.2	0.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0		
Total MU Area				10.8															
2010																			
MU	Map Cutting	Objective	Special Considerations	MU Area (ha)	Open	Spruce	LP	SP	Area (ha)									Ald	OB
									LAR	FIR	OC	Oak	BE	Ash	BI				
47	LD01-2	Timber Production	IFUT	7.1	0.7	5.4	0.0	0.0	0.3	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0		
Total MU Area				7.1															

