



Coillte Teoranta

Forest Management Plan

Lough Ennell

WH04

2006 to 2010

District Manager

District

PJ Fitzpatrick

N3



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Introduction

Forest: WH04 Lough Ennell
District: N3 District Manager PJ Fitzpatrick

Lough Ennell forest is situated in south Co. Westmeath. The topography is mainly low lying. The main N6 road passes through this forest. Lough Ennell is the main lake in this forest. The Royal Canal flows through this forest.

The main soil type in Lough Ennell are raised peat and brown earths.

The main towns and villages located in the catchment area of Lough Ennell forest are Mullingar, Kilbeggan, Castletown, Tyrrellspass, Ballynagore, Horseleap.

The management focus for the forest is concerned with timber production and biodiversity management primarily. The long term aim of the forest is to continue with timber production and follow ecological plans for selected sites.

Almost 100 ha is due for clearfell with an annual average of 25 ha over the plan period.

The expected timber production is estimated to be 50,888 m³ over the plan period with an annual average of 10,177 m³.

Almost 95% of the 'conifer high forest' in Lough Ennell forest is due to be thinned. The majority of the forest will receive at least three thinnings.

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	471.1	76.7%
Biodiversity	61.9	10.1%
Conservation	80.9	13.2%
Total	613.9	100.0%

Table 2 Area by Special Consideration

Forest:	WH04	Lough Ennell	
<u>SPECIAL CONSIDERATION</u>		<u>AREA (ha)</u>	<u>%</u>
IFUT		62.7	10.2%
Legal		16.5	2.7%
NWS		27.2	4.4%
None		404.9	66.0%
Old Woodland Site		37.6	6.1%
Recreation Site		11.3	1.8%
Statutory Designation		53.7	8.8%
Total		613.9	100.0%



Table 3 Area by Fell Year

Forest: WH04

Lough Ennell

<u>FELL YEAR</u>	<u>AREA (ha)</u>	<u>ANNUAL AVERAGE</u>
2006	3.2	
2007	68.2	
2008	58.3	
2009	0.0	
<u>5 Year Total and Average</u>	<u>129.7</u>	<u>18.53</u>
2010	23.0	
2011	16.5	
2012	43.7	
2013	7.0	
2014	23.8	
<u>5 Year Total and Average</u>	<u>114.0</u>	<u>11.40</u>
2015	6.9	
2016	16.2	



<u>FELL YEAR</u>	<u>AREA (ha)</u>	<u>ANNUAL AVERAGE</u>
2017	3.8	
2018	0.0	
2019	0.0	
<u>5 Year Total and Average</u>	<u>26.9</u>	<u>3.36</u>
2020	0.0	
2021	9.3	
2022	0.0	
2023	0.0	
2024	3.9	
<u>5 Year Total and Average</u>	<u>13.3</u>	<u>2.21</u>

Table 4 Area by Species Group

Forest:	WH04	Lough Ennell	
	<u>SPECIES GROUP</u>	<u>AREA (ha)</u>	<u>%</u>
	ALD	2.0	0.3
	ASH	12.9	2.3
	BE	4.1	0.7
	BI	32.9	5.7
	FIR	5.3	0.9
	LAR	6.0	1.0
	LP	61.0	10.7
	NS	289.8	50.7
	OAK	2.0	0.4
	OB	4.0	0.7
	OC	1.9	0.3
	OP	5.9	1.0
	SS	142.7	24.9
	WRC	1.7	0.3
		572.2	100.0



Table 5 Listing of Restocking MUs

Forest: WH04 Lough Ennell

2006																			
MU	Map Cutting	Objective	Special Considerations	MU Area (ha)	Open	Spruce	LP	SP	Area (ha)									Ald	OB
									LAR	FIR	OC	Oak	BE	Ash	BI				
80	WH04-3	Timber Production	None	3.2		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	
Total MU Area				3.2															
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				
61	WH04-2	Timber Production	None	14.5	0.7	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
62	WH04-2	Conservation	Statutory Designat	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
76	WH04-2	Timber Production	Old Woodland Si	21.6	2.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	
27	WH04-3	Timber Production	None	4.3	0.4	3.9	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	
1	WH04-4	Conservation	NWS	14.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	7.9	0.0	0.0	0.0	0.0	
9	WH04-5	Conservation	NWS	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	
Total MU Area				68.2															



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			
40	WH04-1	Timber Production	IFUT	19.2	1.9	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	WH04-5	Timber Production	None	20.9	2.1	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	WH04-5	Biodiversity	None	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
79	WH04-8	Timber Production	None	16.5	1.6	7.4	7.4	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				58.3														
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			
63	WH04-2	Timber Production	None	16.9	2.5	12.2	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0
30	WH04-8	Timber Production	None	6.1	0.6	2.8	2.8	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				23.0														

