



Coillte Teoranta

Forest Management Plan

Newcastle West

LK01

2006 to 2010

District Manager

Gerry Murphy

District

S2



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: LK01 Newcastle West
District: S2 District Manager Gerry Murphy

Newcastle West forest is situated in West Limerick between the Newcastle West to Abbeyfeale road in the South and the River Shannon to the North.

The main soil type in Newcastle West are Peats with some Gley and Podsol areas also.

The main towns and villages located in the catchment area of Newcastle West forest are Newcastle West, Ardagh, Kilcoman, Shanagolden, Foynes, Ballyhahill, Glin, Athea and Carrigkerry

The management focus for the forest is concerned with the production of high quality sawlog and the management and enhancement of the biodiversity in the area

Due the high exposure from the Atlantic ocean, thinning is a problem in this area with high risk of windblow in unstable crops.

The forest contains 1 and 4 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	3,686.4	87.5%
Biodiversity	457.4	10.9%
Conservation	5.2	0.1%
Non-forest Commercial	54.7	1.3%
Recreation	7.7	0.2%
Total	4,211.4	100.0%



Table 2 Area by Special Consideration

Forest:	LK01	Newcastle West	
<u>SPECIAL CONSIDERATION</u>		<u>AREA (ha)</u>	<u>%</u>
Farm Partnership		84.1	2.0%
Legal		185.3	4.4%
None		3,780.9	89.8%
Old Woodland Site		28.9	0.7%
Potential Sale		48.4	1.2%
ROW Problems		30.8	0.7%
Recreation Site		7.7	0.2%
Statutory Designation		44.7	1.1%
Wildlife		0.5	0.0%
Total		4,211.4	100.0%



Table 3 Area by Fell Year

Forest: LK01

Newcastle West

<u>FELL YEAR</u>	<u>AREA (ha)</u>	<u>ANNUAL AVERAGE</u>
2006	77.4	
2007	65.0	
2008	23.8	
2009	19.3	
<u>5 Year Total and Average</u>	<u>185.5</u>	<u>23.19</u>
2010	75.1	
2011	111.2	
2012	130.6	
2013	75.9	
2014	72.7	
<u>5 Year Total and Average</u>	<u>465.6</u>	<u>46.56</u>
2015	206.2	
2016	1.6	



<u>FELL YEAR</u>	<u>AREA (ha)</u>	<u>ANNUAL AVERAGE</u>
2017	65.3	
2018	49.7	
2019	79.7	
<u>5 Year Total and Average</u>	<u>402.4</u>	<u>40.24</u>
2020	73.1	
2021	68.5	
2022	22.4	
2023	72.7	
2024	83.4	
<u>5 Year Total and Average</u>	<u>320.0</u>	<u>35.56</u>

Table 4 Area by Species Group

Forest:	LK01	Newcastle West	
	<u>SPECIES GROUP</u>	<u>AREA (ha)</u>	<u>%</u>
	ALD	41.8	1.1
	ASH	36.5	1.0
	BE	18.9	0.5
	BI	32.1	0.9
	DF	9.9	0.3
	FIR	10.8	0.3
	LAR	106.2	2.8
	LP	84.7	2.2
	NS	3.7	0.1
	OAK	6.9	0.2
	OB	35.7	0.9
	OP	3.1	0.1
	SS	3,373.1	89.6
	WRC	0.4	0.0
		3,763.8	100.0



Table 5 Listing of Restocking MUs

Forest: LK01

Newcastle West

2006																		
MU	Map Cutting	Objective	Special Considerations	MU Area (ha)	Area (ha)													
				Open	Spruce	LP	SP	LAR	FIR	OC	Oak	BE	Ash	BI	Ald	OB		
97	LK01-11	Timber Production	None	8.2	1.2	5.2	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.3	0.7	0.0		
295	LK01-18	Timber Production	None	5.2	0.8	3.5	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.0	0.0		
304	LK01-19	Timber Production	None	2.9	0.4	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0		
337	LK01-21	Timber Production	None	16.3	2.4	11.8	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.7	0.0	0.0		
410	LK01-24	Timber Production	ROW Problems	14.6	2.2	10.5	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.6	0.0	0.0		
414	LK01-26	Timber Production	None	13.1	2.0	9.5	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.6	0.0	0.0		
446	LK01-27	Timber Production	None	17.1	2.6	12.3	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.7	0.0		
Total MU Area				77.4														
2007																		
MU	Map Cutting	Objective	Special Considerations	MU Area (ha)	Area (ha)													
				Open	Spruce	LP	SP	LAR	FIR	OC	Oak	BE	Ash	BI	Ald	OB		
84	LK01-10	Timber Production	None	6.6	1.0	5.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0		



225	LK01-16	Timber Production	None	4.8	0.7	3.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
540	LK01-16	Timber Production	None	2.9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
275	LK01-18	Timber Production	None	23.8	3.6	16.2	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	
296	LK01-19	Timber Production	None	9.1	1.4	6.2	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.0	
472	LK01-28	Timber Production	None	17.8	2.7	12.9	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.0	0.0	

Total MU Area 65.0

2008

MU	Map Cutting	Objective	Special Considerations	MU Area (ha)	Area (ha)												
					Open	Spruce	LP	SP	LAR	FIR	OC	Oak	BE	Ash	BI	Ald	OB
416	LK01-26	Timber Production	None	12.3	1.8	8.9	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
449	LK01-27	Timber Production	None	11.5	1.7	8.3	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	

Total MU Area 23.8

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
272	LK01-18	Timber Production	None	4.3	0.6	3.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	
428	LK01-26	Timber Production	None	15.1	2.3	10.2	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	

Total MU Area 19.3



2010				MU Area (ha)	Area (ha)												
MU	Map Cutting	Objective	Special Considerations		Open	Spruce	LP	SP	LAR	FIR	OC	Oak	BE	Ash	BI	Ald	OB
226	LK01-16	Timber Production	None	26.0	3.9	18.8	0.0	0.0	2.2	0.0	0.0	0.0	0.0	1.1	0.0	0.0	
343	LK01-21	Timber Production	None	10.4	1.6	7.5	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.4	0.0	
417	LK01-26	Timber Production	None	24.8	3.7	16.9	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	2.1	0.0	
452	LK01-27	Timber Production	None	6.9	1.0	0.0	0.0	2.4	1.2	0.0	0.0	1.8	0.0	0.0	0.0	0.0	
473	LK01-28	Timber Production	None	6.9	1.0	5.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.0	
Total MU Area				75.1													