



Coillte Teoranta

# Forest Management Plan

Killavullen

CK13

2006 to 2010

District Manager

District

Pat Roche

S3



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# Introduction

Forest: CK13 Killavullen  
District: S3 District Manager Pat Roche

Killavullen forest is situated in the northern slopes of the Nangle mountains. The Nangles have an East/West grain typical of the American foldings. The river Blackwater flows parallel to the forested ridges and its tributaries are designated as SACs. The forest is part of the Cork District S3 and will in future be known as CK13.

The main soil type in Killavullen are Podzols on the lower slopes with lithosols found on the higher reaches. A layer of peat is present in some areas eg. Bottlehill. Brown earths and gleys dominate the valley bottoms.

The main towns and villages located in the catchment area of Killavullen forest are Mallow, Killavullan, Doneraile and Glenville.

The management focus for the forest is concerned with timber production.

The clearfell areas from 2006-2009 average 96 ha & from there to 2024 decrease to 50ha per annum. This fluctuation is normal in the life of a forest & clearfells will again increase as plantations mature. Areas felled in or beside NHA's & SAC's will have a Biodiversity objective & management of, & selection of species will reflect this in the future.

Table 2.6 indicates a total fell volume of 127,000m<sup>3</sup> from a felled area of 350ha yielding 362m<sup>3</sup>per ha until and including 2010. This forms an important part of the total production of the district.

Standard thin plus local account for 78% of thinning types in this forest. In total 95.5% of the forest carries thinning prescriptions.

The forest contains 2 and 3 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:	CK13	Killavullen	
<u>OBJECTIVE</u>		<u>AREA (ha)</u>	<u>%</u>
Timber Production		4,184.5	89.1%
Biodiversity		368.3	7.8%
Non-forest Commercial		139.0	3.0%
Seed Stand		3.4	0.1%
<b>Total</b>		<b>4,695.3</b>	<b>100.0%</b>

**Table 2 Area by Special Consideration**

<b>Forest:</b>	CK13	Killavullen	
<b><u>SPECIAL CONSIDERATION</u></b>		<b><u>AREA (ha)</u></b>	<b><u>%</u></b>
Access - Other		27.1	0.6%
Access County Road		58.4	1.2%
Archaeology		125.2	2.7%
Experimentation		33.2	0.7%
Fisheries Protection		175.6	3.7%
High Landscape Sensitivity		92.1	2.0%
Long-term Leased		2.7	0.1%
None		3,714.7	79.1%
Old Woodland Site		13.0	0.3%
Potential Sale		136.5	2.9%
ROW Problems		51.6	1.1%
Recreation Site		18.1	0.4%
Statutory Designation		124.3	2.6%
Water Supply		34.5	0.7%

Wildlife	88.2	1.9%
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<b>Total</b>	<b>4,695.3</b>	<b>100.0%</b>



**Table 3 Area by Fell Year**

**Forest:** CK13

Killavullen

<u>FELL YEAR</u>	<u>AREA (ha)</u>	<u>ANNUAL AVERAGE</u>
2006	195.5	
2007	74.0	
2008	95.8	
2009	55.2	
<b><u>5 Year Total and Average</u></b>	<b><u>420.6</u></b>	<b><u>52.57</u></b>
2010	45.7	
2011	13.4	
2012	17.6	
2013	52.7	
2014	50.5	
<b><u>5 Year Total and Average</u></b>	<b><u>179.9</u></b>	<b><u>17.99</u></b>
2015	29.5	
2016	55.3	
2017	112.4	



<u>FELL YEAR</u>	<u>AREA (ha)</u>	<u>ANNUAL AVERAGE</u>
2018	53.3	
2019	49.6	
<u>5 Year Total and Average</u>	<u>300.0</u>	<u>30.00</u>
2020	43.0	
2021	30.9	
2022	62.6	
2023	49.9	
2024	62.8	
<u>5 Year Total and Average</u>	<u>249.2</u>	<u>27.68</u>

Table 4 Area by Species Group

Forest:	CK13	Killavullen	
	<u>SPECIES GROUP</u>	<u>AREA (ha)</u>	<u>%</u>
	ALD	13.9	0.3
	ASH	9.4	0.2
	BE	32.6	0.8
	BI	13.5	0.3
	DF	83.0	1.9
	FIR	19.9	0.5
	LAR	221.3	5.2
	LP	382.0	8.9
	NS	46.5	1.1
	OAK	8.3	0.2
	OB	22.3	0.5
	OP	45.2	1.1
	SS	3,393.7	79.1
		<b>4,291.5</b>	<b>100.0</b>







133	CK13-7	Timber Production	None	1.1	0.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
131	CK13-10	Timber Production	None	9.6	1.9	4.6	0.0	0.0	2.3	0.0	0.0	0.0	0.4	0.0	0.4	0.0	0.0
128	CK13-15	Biodiversity	Statutory Designat	7.5	2.2	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	2.1	0.0
298	CK13-18	Timber Production	None	6.6	1.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	CK13-20	Timber Production	None	4.9	0.7	3.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	CK13-24	Timber Production	None	28.7	4.3	19.5	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Total MU Area 74.0**

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	
126	CK13-2	Timber Production	None	2.4	0.5	0.8	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
141	CK13-4	Timber Production	None	0.5	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144	CK13-5	Timber Production	None	0.9	0.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145	CK13-6	Non-forest Commerci	None	2.5	0.4	1.9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146	CK13-7	Timber Production	None	3.6	0.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0





,064	CK13-30	Timber Production	None	4.3	0.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0
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**Total MU Area 55.2**

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	
157	CK13-2	Biodiversity	None	1.4	0.3	0.0	0.0	0.0	0.0	0.6	0.0	0.2	0.0	0.2	0.1	0.0	0.0	
160	CK13-3	Timber Production	None	14.6	2.2	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
158	CK13-4	Timber Production	Fisheries Protect	15.8	2.4	6.7	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	1.3	2.7	
336	CK13-17	Timber Production	None	0.9	0.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
,138	CK13-20	Timber Production	None	10.9	1.6	7.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
,153	CK13-22	Timber Production	None	2.1	0.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
<b>Total MU Area</b>				<b>45.7</b>														