

<u>Draft</u> <u>Lower Denholm Dean Management Plan</u> <u>2025 to 2035</u>



Scottish Forestry is the Scottish Government agency responsible for forestry policy, support and regulation $\,$

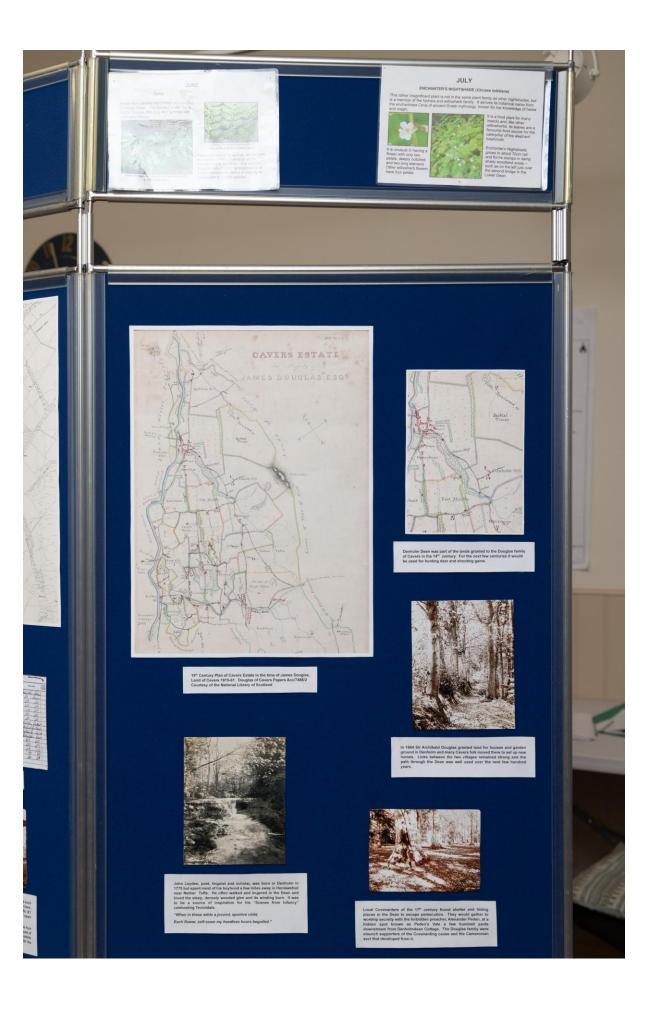


Scottish Government Riaghaltas na h-Alba gov.scot

S e Coilltearachd na h-Alba a' bhuidheann-ghnìomha aig Riaghaltas na h-Alba a tha an urra ri poileasaidh, taic agus riaghladh do choilltearachd







PRESENT

MICHAEL BRAITHWAITE AND THE LOWER DEAN

In 1981, the Lower Dean was bought by Michael Brainwaite, highly respective botanist and Berwickshire County Recorder for the Botanic Society of the Baren teles (RSRI)

His Woodland Management Plan (see right) shows that his intention was a phased thinning and eventual extraction of all of the non-native confers in the Lower Dean, setmated as 812 trees in 4.13 acres, many of which had been planted in the early 1970s. He also planned the removal of sycamore (a nonnative broadland from developing patches of 'Gedduous scrub'.

The plan also shows his choice of replanting species:

Species	Common name	%
Quercus robur	Oak	
Alnus glutinosa	Alder	
Ulmus glabra	Wych elm	
Fraxinus excelsior	Ash	
Betula pubescens	Downy birch	5
Sorbus aucuparia	Rowan	- 5
Prunus avium	Gean, wild cherry	

The remaining 30% of the area was to be open grassland.



Many of the trees, such as these birch trees planted above the Dean burn, are now in excess of thirty years old. They survived the recent spruce felling and will hopefully have access to more light and achieve a more natural shape.



FELLING



In 2019, Michael Braithwaise glifest the Lower Dean to the trustees of the Denhotin Feusira and Housenbellers Connoll (DFHC) to be used as "an amonty for the inhabitants of the village of Denhotin and a navier for visitifit". Michael specified the removed of the remaining non-residire conflers and their replacement with native broadleaves as a management printy. The Denhotin Dean committee was set up for the purposes of amonging the failing, re-stocking and future management of the communit.

Application to Scottish Forestry for a Fearing Licenter was made in early 2024. By this stage the remaining spruce trees were in a poor condition, having grown beyond prime commercial size and being badly damaged b the Great Spruce Bark Beetle.



Great Spruce Bark Bee

First discovered in Great Britain in 1982, these beetles damage spruce trees by tunnelling into the bark to la their eggs. Larvae feed on the inner woody layers, weakening and notentially killing the tree.



tamaged Sitka spruce tre Lower Dean, June 2024

The licence to fell was granted and felling started in June 2024

PREPARING FOR REPLANTING - SUMMER AND AUTUMN 2024

Once the site was safe after the felling had finished, a group of local volunteers joined some members of the Dean Committee and set to work clearing brash and preparing the area for planting towards the and of the local.



Local volunteers, supplemented by the Borders Forest



The central area before clear-up. July 2024



Felled area before brash clearing. July 2024



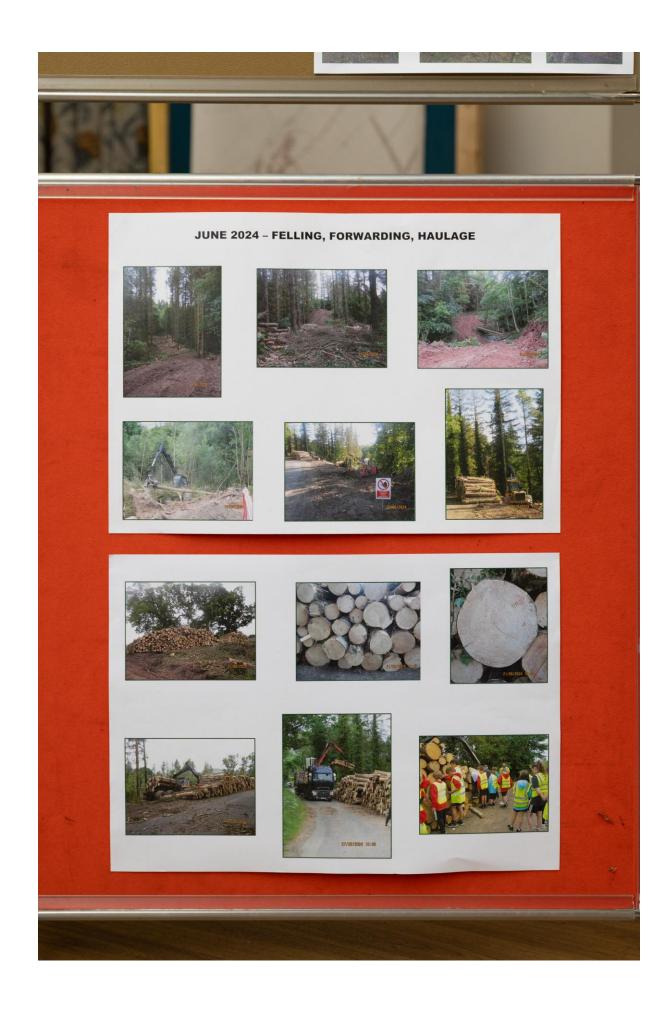
Brash added to consolidate the steep slope beyon



The Woodside brash mountain. July 2024.



Brash collection. September 20



REPLANTING -

AUTUMN/WINTER 2024

Since Michael Braithwalte planned his woodland restoration in 1981, elm and ash have been severely affected by disease. The restocking species chosen in 2024 were oak, birch, hazel and hawthorn, all naturally occurring in the Lower Dean, with the addition of aspen, considered to be a species which could mitigate the loss of ash. These species are all well-suited to the local soil and climate.



Aspen spreads easily and is ideal for regenerating woodlands. The trees are connected underground by their roots, forming some of the largest living organisms in the world, and they are particularly useful for consolidating sloping ground. Their ability to support brids and insects make this a key species for biodiversity.

The replanting plan aimed to mimic natural regeneration by planting groups of a single species in concentric circles with a radius of 5 metres.

Oak was planted in the flatter areas, transitioning to birch and aspen up the slopes with the shrubbier species, hazel and hawthom, close to the paths and under power lines.





PLANTING AT WOODSIDE - A WORK IN PROGRESS

The felled area adjacent to the road by Woodside Cottage is the last compartment to be planted. It is also the most accessible area of the Lower Dean. The volunteer team are keen that there should be some part of the woodland available to those less able to negotiate steps and steep slopes and, to this end, we have been excavating a terrace just below the roadside hedge, where we plan to place a bench with a view over the Dean burn to the woodland and fields beyond. The terrace will be planted with coppice hazed, craft apple, and guelder rose.

We were struck in the spring and summer by a patch of largely grass and wildflowers within the felled area and we are now working to make a "species-rich meadow" (see map below) by clearing scrub, brash and any regenerating sycamore, with a view to being able to scythe the new growth in future years.

The area will be planted in the autumn/winter using the same five species as in the rest of the Dean with the addition of more rowan, crab apple and guelde rose. As to be expected one year after felling, there is a degree of natural regeneration of trees species, some of which are being protected where desirable such as oak, rowan, hawfrom, hazel, helyly and brush as oak, rowan, hawfrom, hazel, helyly and brush as oak, rowan, hawfrom, hazel, helyl and brush as oak, rowan, hawfrom, hazel, helyl and brush as oak rowan, hawfrom, hazel, helyl and brush as oak rowan hazely hely and help the hazel hely and hazel hely and help the hazely hazel hely and help the hazel hely and help the help the help had help the help the





TREE PLANTING - WINTER 2024





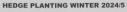






















A CHANGING LANDSCAPE

JUNE 2024 – NOVEMBER 2025





















Elymus canvius		
Eppacis helecorne	Bearded Couch	
Fagus substice	Broad-leaved Helleborne	
Ficaria verno	Beech	
Filippodula ulmaria	Lesser Celandine	
	Meadowsweet	
Fragana vesca	Wild Strawbarry	
Frakmus excelsion	Ash	
Galanthus /s/wills	Snowarop	
Gatum apenne	Cleavers	
Galum coloratum	Weodruff	12
Geranum robertanum	Herb-Robert	V
Geranium sylveticum	Wood Crames-bill	1
Geum male	Water Avens	100
Gourn rivate v urbanum = G x interrogram	Hybrid Avers	12
	Wood Avens	120
Glechoma hederacea		150
Medica hely	My	100
Heracleure sprioropylom	Hogweed	
Heracum agg	Hawkwood	
Holous lanetus		
Plystoretickies non-atripla	Yorkshire-log	
Plysicinthodes non-scripts x hospanics + H. s.	Blusbell	
massadana	Hybrid Bluebell	
Hypericum Arsunum	Hary St John's wort	
Hypericum pulchrum	Slender St John's-wort	
Rex aquifolium	Hoty	
Junicus conglomeratus	Compact Rush	
Junicus effusius	Soft-nush	
Lapsana communs	Necleard	2
Ligostrum vulgare	West Privat	-
Contoria periolymenum	Hommacasia	2
Current annua		
	Field Wood-rush	
Cuzuly otner	Hary Wood-rush	
Eurule sulveton	Great Wood-rush	
Examachia nemorum	Yellow Pangernal	2
Mahonia aqualplium	Oregon-grape	
Mercurinin perennia		×
Moetrongia troversia	Dog's Mercury	
Myosota sylvatice	Three-norved Sandwort	
Narcissus agg.	Wood Forget-me-not Deflocial	
Orate appropriate		
Patautes hydrolog	Wood-sorrer Butterbur	
Phalans arundinacea		
The state of the s	Read Cenary-grass	
Flantago mayor	District Sections	
Floa drinua	Greater Plantein	
Poa nemonata	Annual Meadow-grass	
Pos remorate Pos trivais	Wood Meadow grass	
Polypodum vulgare	Rough Meadow-grass	
Polystotum aculantum	Polypody	
	Haid Shield-fern	
Polystichum settlerum Potentilia ansenna	Soft Shield-fern	
	Silverwood	
Potentilia erecte	Tomenti	
Potentia atenta	Barren Strawberry	
Princia volgana	Primrose	

	Prunus autum		
	Priving padus	Wild Cherry	
	Primus pagus Primus apropas	Bird Cherry	
	Givercus persea	Blackthorn	
		Sessile Oak	
	Guercus rodur	Pedunculate Galk	
	Renunculus auricomus	Goldlooks Butteroup	
	Ranunculus repens	Creeping Butteroup	
	Ribes ava-orapa Rosa carany ace	Goosebarry	
		Dog-ross	
	Rubus fruticosus agg	Bramble	
2008	Flubus idiseve	Respherry	
	Robus technique	Cut-leaved Bramble	
	Rumex obtunibilities	Broad-leaved Dock	
	Rumex sanguineus	Wood Dock	
	Salin caprea	Gost Willow	
1990	Sambucus nigra	Elder	
2015	Sangurante officinals	Great Burnet	
	Sanicula europaea	Sancie	
	Saxifrega granulata	Meadow Saxdrage	
2004	Schedonorus giganteus	Giant Fescue	
2012	Solla forbesii	Glory-of-the-snow	
	Sprophylana nodosa	Common Figwort	
	Siène diplos	Red Campion	
	Sorbus aucupieria	Rowan	
	Stachys sylvetica	Hedge Woundwart	
	Stellarie holostea	Greater Stitchwort	
	Stellana nemonum	Wood Strichwort	
	Symptroncarpos albus	Browterry	
	Taravacum agg	Dandelon	
	Taxue beccase	Yes	
	Teucrium acorodonia	Wood Sage	
	Trifolium praterise	Red Clover	
	Tirthium repions	White Clover	
	Tussilago farfara	Cotts-foot	
	Ulmus glabre	Wyon Elec	
	Urtica dioca	Common Nettio	
	Vaccinum myrtifua	Biberry	
	Veronica chamandrys	Germander Spendweit	
	Verorsica hedevitota	Try insued Speedwell	
	Veronice montana:	Wood Speedwell	
	Veronice officinally	Heath Speedwal	
	Varonice serpytifolis	Thyms-issaved Speedwall	
	Mitamum opuba	Gueldar-rose	
	Vicia septum	Bush Vetch	
	Viola rivinana	Common Dog-violet	

FLORA

In 2012, the Dean was surveyed by Michael Braithwalte and members of the Botanical Society of the British Isles. We have the list of plants found and recorded in 2012 and have been attempting to update it following the felling in June 2024, Gee list below). We have found most of the plants listed, but, as might be expected, there are some striking changes in abundance with the massive increase in light in some previously very shady areas.

Certain wild flowers are considered to be indicative of ancient woodland; their presence may suggest that an area has been continuously wooded for a long time. In general such species do not spread easily, especially across open areas, and they thrive on undisturbed ground. Many of the flowers pictured below are ancient woodland indicator species.





April 2025. The tiny town hall clock (so called because it has four faces at right angles to each other, and one horizontal face). It was recorded, with grid references, in two places in the Dean in 2012, one in the Upper Dean and one in the Lower. The patch in the Lower Dean is still there, at the same grid reference, despite being in the middle of a felled area,







May 2025. Burnside primroses by the second bridge, close to the extraction route used during felling a year earlier.





June 2025. Yellow pimperne in a shady undisturbed part of the Lower Dean.





One of the strikingly colourful features of the spring and summer of 2025 in the Lower Dean - an abundance of foxgloves and red campion throughout the felled areas.







FUTURE

