

Appendix XI

Drummond Hill Forest LMP East Region

Designated Sites Management Plan

River Tay SAC Fearnan Cowpark SSSI

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1. Management Aims & Objectives

The aim of this Designated Site Management Plan (DSMP) is to take into account any management and mitigation required to maintain or enhance favourable condition or to move unfavourable conditions into a recovering status of any qualifying interest on, or potentially affected by, the National Forests and Lands (NFL) within the Drummond Forest Land Management Plan (LMP). The DSMP only covers planned works and operations during the period of the plan and will be reviewed in line with the LMP's mid-term review, planned in 2026/27.

Designated sites that could potentially be impacted by management on the NFL in the Drummond Forest LMP are the River Tay SAC and the Fearnan Cowpark SSSI. None the NFL within the Drummond Hill LMP is designated under either of these two sites, although approximately 2,870 meters of the northern shoreline of Loch Tay and thus the River Tay SAC marches with the southwestern boundary of the Drummond Hill LMP (fig 2) and approximately 1,420 meters of the western Drummond Hill LMP boundary marches with the Fearnan Cowpark SSSI (fig 2).

This plan aims to act as consent for targeted management for the designated sites qualifying interests, to maintain those interests in their current favourable condition or to help adjacent land managers move any unfavourable conditions into a recovering status, and where possible enhance habitats for the qualifying interests. The plan recognises works and operations which may affect the condition of the qualifying interests during land management on the NFL and details how Forestry and Land Scotland intend to mitigate for them.

2. Description of Designated Sites covered by this plan

None of the land within the Drummond Hill LMP area is within either the River Tay SAC or Fearnan Cowpark SSSI (table 1). Furthermore, the NatureScot 'remedies' database does not identify the River Tay SAC or Fearnan Cowpark as being on the NFL or as being influenced by management on the NFL. However, FLS acknowledge its management within the Drummond Hill LMP area does have the potential to impact on the qualifying interests of the River Tay SAC and the Fearnan Cowpark SSSI.

Table 1 -	Summary of Design	ated Sites within th	a Drummond Hill	I MP and the wider NFI
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Designated Site Name	PA Site code	Site Type	Total Area of designated site (ha)	Area in this LMP (ha)	% on NFL in this LMP	Total Area on NFL (ha)	Total % on NFL
River Tay	8366	SAC	9,461.63	0	0	66.74	0.7
Fearnan Cowpark	628	SSSI	34.25	0	0	0	0

^{*} Areas stated in the above table where all calculated using NatureScot SSSI, SAC and SPA shapefiles clipped to FLS Forest Block shapefiles.

2.1 River Tay SAC

The River Tay SAC is an extensive designation covering 9,461.63 ha flowing past several LMP areas within the FLS East and Central Regions (fig 1). In total under both FLS East and Central Regions just 66.74 ha is within the NFL. None of the SAC is within the NFL under the Drummond Hill LMP, however approximately 2,870 meters of the northern shoreline of Loch Tay and thus the River Tay SAC marches with the southwestern boundary of the Drummond Hill LMP (fig 2). The River Tay SAC also continues to flow east from Kenmore, south of the NFL at Drummond Hill via the River Tay. The River Lyon, also part of the River Tay SAC flows east, to the north of the NFL at Drummond Hill and curls around the eastern end of the forest to join the River Tay (fig 2). There are several small mapped but unnamed watercourses flowing north from the NFL into the River Lyon. Whilst there are no mapped watercourses flowing south from the NFL into Loch Tay or the River Tay, FLS acknowledge that the entire

NFL within Drummond Hill LMP sheds directly into the River Tay SAC. Therefore, all operations adjacent to any watercourse in the LMP have the potential to impact on the qualifying interests downstream.

This DSMP only considers operations and impacts on the qualifying interests of the designated sites from planned management in the Drummond Hill LMP. Separate plans will be written for each LMP that has the potential to impact on the River Tay SAC in order for the land management and agreed designated site management to be specific and synchronised with the relevant LMPs.

2.2 Fearnan Cowpark SSSI

Fearnan Cowpark SSSI is designated for a mosaic of lowland calcareous and neutral grasslands and spring fens, noted for its botanical diversity. The site is managed through grazing to ensure grasslands maintain condition and scrub encroachment is controlled. None of the SSSI is within the NFL under the Drummond Hill LMP and therefore under FLS management. However, the NFL plantation borders the eastern edge of the SSSI for approximately 1,420 meters (fig 2), and whilst the prevailing wind is from the southwest it is susceptible to some seed rain from the adjacent conifer crop. FLS acknowledge that management on the western edge of the NFL in the Drummond Hill LMP has the potential to seed some invasive conifer regeneration onto the SSSI and add to the scrub that may in the long term result in the reduction of habitat in both area and quality without further management from neighboring land managers.

2.3 Designated Sites Qualifying Interests and Assessed Condition

Table 2 lists the all qualifying interests for the River Tay SAC and Fernan Cowpark SSSI in their entirety and summates the latest assessed condition and identified pressures recorded by NatureScot against each qualifying interest. None of the qualifying features are found on the NFL in the Drummond Hill LMP, nor are any of the pressures directly related to forestry operations on the NFL. There are no 'Remedies' in place between NatureScot and FLS for either the River Tay SAC or Fearnan Cowpark SSSI.

Table 2 – Summary of Qualifying Interests & Site Condition Monitoring

Location	River Tay SAC	Fearnan Cowpark SSSI	
Qualifying Interest			Pressures potentially affecting condition
Atlantic salmon (Salmo salar)	FM (2011)		Extraction; Game/Fisheries management; Invasive species; Water management; Water Quality
Brook lamprey (Lampetra planeri)	FM (2007)		Development; Water Management; Water Quality
Sea lamprey (Petromyzon marinus)	FM (2007)		Development; Water Management; Water Quality
River lamprey (Lampetra fluviatilis)	FM (2007)		Development; Water Management; Water Quality
Otter (Lutra lutra)	FM (2012)		Agricultural Operations; Invasive Species; Recreational/disturbance; Water Management
Clear-water lochs with aquatic vegetation & poor to moderate nutrient levels	FM (2009)		Water Management
Lowland calcareous grassland		UFR (2007)	Agricultural operations; Invasive species.
Lowland neutral grassland		UFD (2016)	Agricultural operations; No proactive management
Spring fens		FM (2016)	Agricultural operations; No proactive management
Кеу:			
Favourable Maintained	FM	7	
Favourable Recovered	FR		
Unfavourable No Change	UFNC		
Unfavourable Recovering	UFR		
Unfavourable Declining	UFD		
Not Assessed	NA		

For further details on the River Tay SAC and the Fearnan Cowpark SSSI designations refer to the current NatureScot documentation at NatureScot SiteLink (https://sitelink.nature.scot/site/8366), which refer to the designated sites in their entirety. Copies of the NatureScot site documentation for the three designated sites have also been saved in FLS database 'T:\Environment\Designated sites\DESIGNATED SITE MANAGEMENT PLANS\Drummond Hill LMP\NatureScot Site Documents 18.10.21' at the time of writing (18/10/2021) to ensure that the original documents at the time of writing can be referred to for the rationale of the decisions made in this document should any of the NatureScot documents change.

The remainder of this plan will only refer to elements of the River Tay SAC and Fearnan Cowpark SSSI that have the potential to be impacted by management on the NFL within the Drummond Hill LMP. Table 3 lists the qualifying interest and their condition for both the River Tay SAC and Fearnan Cowpark SSSI found adjacent to NFL in the Drummond Hill LMP and therefore potentially impacted by FLS management on the NFL.

Table 3 – Qualifying Interests Adjacent the NFL in the Drummond Hill LMP and their Condition

Site Type	Site code	Qualifying Interest	Feature code	SCM Condition (Date assessed)	Condition on NFL	Management Classification (if relevant)
SAC	8366	Atlantic salmon (Salmo salar)	13945	Favourable Maintained (2011)	N/A	N/A
		Brook lamprey (Lampetra planeri)	13943	Favourable Maintained (2007)	N/A	N/A
		River lamprey (Lampretra fluviatilis)	13942	Favourable Maintained (2007)	N/A	N/A
		Sea lamprey (Petromyzon marinus)	13944	Favourable Maintained (2007)	N/A	N/A
		Otter (Lutra lutra)	13946	Favourable Maintained (2012)	N/A	N/A
		Clear-water lochs with aquatic vegetation & poor to moderate nutrient levels	13941	Favourable Maintained (2009)	N/A	N/A
SSSI	628	Lowland calcareous grassland	10760	Unfavourable Recovering (2007)	N/A	N/A
		Lowland neutral grassland	16591	Unfavourable Declining (2016)	N/A	N/A
		Spring fens	16592	Favourable Maintained (2016)	N/A	N/A

^{*} Note that the latest SCM results may not be contained within the NatureScot legal documentation for the site. Always check the SCM spreadsheet or database.

2.4 River Tay SAC – Summary of Qualifying Interests and Pressures

All the features of qualifying interest from the River Tay SAC found adjacent to the NFL in the Drummond Hill LMP are currently in favourable maintained condition. Of the pressures listed by NatureScot against the qualifying interests (see table 2), both 'Water Management' and 'Water Quality' are relevant to management on the NFL for the qualifying interests within the River Tay SAC adjacent and downstream of the Drummond Hill LMP. None of the other listed pressures are relevant to FLS management on the NFL. Section 3 will consider these pressures and other potential pressures and the actions taken by FLS to mitigate against potential impacts.

2.5 Fearnan Cowpark SSSI – Summary of Qualifying Interests and Pressures

Of the three features of qualifying interests in the Fearnan Cowpark SSSI, the lowland calcareous grassland feature, currently in unfavourable recovering condition, is the only one for which NatureScot list 'invasive' species as a pressure to favourable condition. Although there are no 'remedies' against FLS regarding invasive species, FLS are aware that non-native tree regeneration from more invasive species such as Sitka spruce or Western hemlock could contribute to declining condition for the lowland calcareous grassland and all the other features of qualifying interest within the SSSI. The pressures identified by NatureScot for the lowland neutral grassland feature or the Spring fens feature (table 2) are not relevant to FLS management of the Drummond Hill LMP. Section 3 will consider the invasive species pressures and any other potential pressures along with proposed FLS actions to mitigate against any potential impacts.

Figure 1 – River Tay SAC in relation to the NFL in FLS East and Central Region

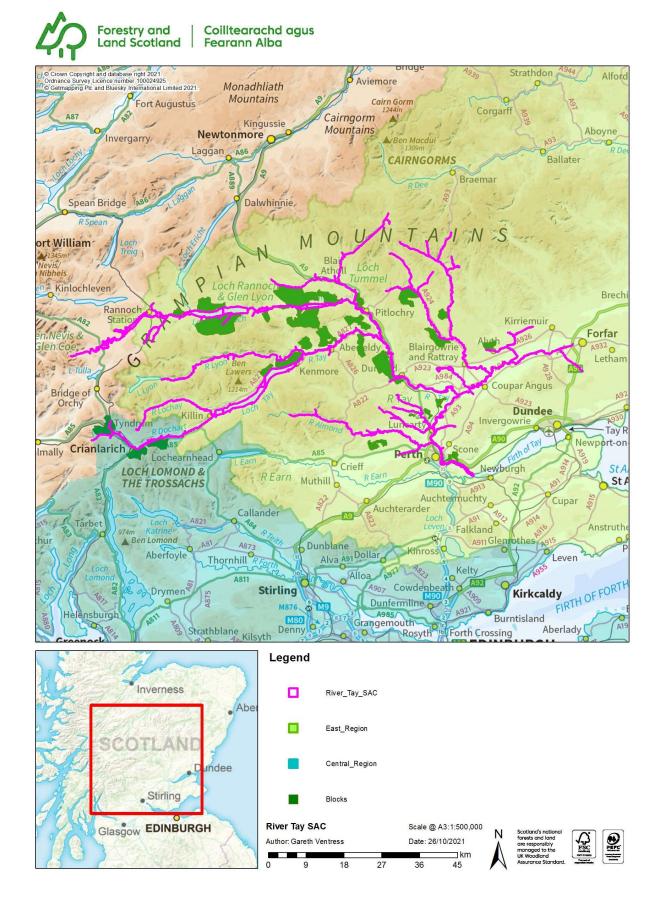
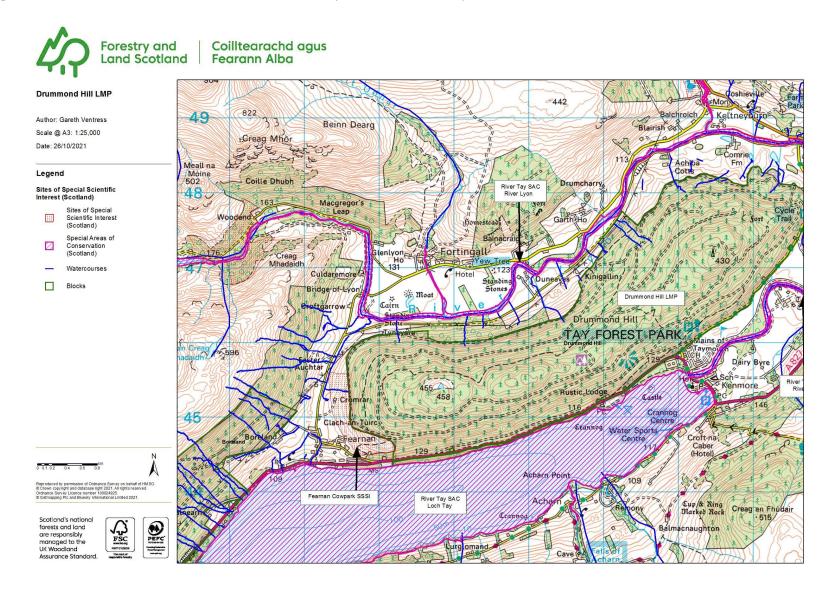


Figure 2 – Drummond Hill Forest LMP in relation to the River Tay SAC and Fearnan Cowpark SSSI



3. Pressures and Proposed Actions

Table 4 – Pressures on Qualifying Interests and Proposed Actions

Site	Feature	Feature	Pressures	Proposed action	Timescale	Location Map
Type	description	code	(# non-NS	1 Toposeu action	Timescale	highlighting work
.,,,,	acsonption	Couc	pressure)			& other key
			pressure			limiting factors
						initial gradient
SAC	Atlantic salmon	13945	Water	Manage all operations	The duration of	Appendix V of the
	(Salmo salar)		Management	and activity in the	the LMP	Drummond Hill LMP details the LMP
				Drummond Hill LMP as		schedule of works
	Brook lamprey	13943		per the UK Forestry		during the period of
	(Lampetra planeri)			Standards (UKFS) Forests and Water, and Forest		this plan.
	River lamprey	13942		and Soils Guidelines		Map M 4 in the
	(Lampretra		Water Quality	Manage all operations	The duration of	Schedule of Maps
	fluviatilis)		-	and activity in the	the LMP	illustrates the phase 1
				Drummond Hill LMP as		felling coupes planed during the period of
	Sea lamprey	13944		per the UKFS Forests		this plan and the
	(Petromyzon			and Water, and Forests		mapped
	marinus)			and Soils Guidelines.		watercourses.
	Otter (Lutra lutra)	13946		Improve riparian		Map M 9 depicts the
	,			habitats through forest		coupe numbers
	Clear-water lochs	13941		management following		referred to in
	with aquatic			felling operations by		appendix V.
	vegetation & poor			restructuring with site		Map M 12 depicts the
	to moderate nutrient levels			native broadleaves.		restock coupes and
	nutrient levels					species planned
						during phases 1 and 2
						of the Drummond Hill LMP.
						Map M 3 depicts the
						long term future species following long
						term forest
						restructuring.
						Map M 13 depicts all
						the new ranger
						access, 4x4 and
						forwarder tracks planned for
						construction between
						2021 – 2030.
SSSI	Lowland neutral	16591	Invasive species	Clearfell coupe 12023		Appendix V of the
	grassland			planned for 2024. This		Drummond Hill LMP
				will include the removal		details the LMP
				of only invasive conifer		schedule of works during the period of
	Lowland	10760	#Invasive species	(Sitka spruce) directly		this plan.
	calcareous			adjacent to the SSSI.		Man M dire the
	grassland			Restock coupe 12023		Map M 4 in the Schedule of Maps
	Spring fens	16591		planned for 2026.		illustrates the
				Restock will be of native		planned phase 1
				broadleaves,		felling coupe 12023.
				predominantly birch,		Map M 12 depicts the
				aspen and hazel along		restock coupes and
				the march with the SSSI. The wider restock will		species planned during phases 1 and 2
				include other		Same prioses I drid 2
	I	<u> </u>		melade other		1

broadleaves and Mixed	of the Drummond Hill
conifers on non-invasive	LMP.
species. The Drummond Hill LMP aims in the long term, following further felling planned outside the period of this plan in 2033, to restructure the forest edge adjacent to the SSSI replanting with non-invasive Norway	Map M 3 depicts the long term future species following long term forest restructuring.
spruce, Scots pine and native broadleaves.	
native bioadleaves.	

4. Operations within the LMP that could impact on the Designated Site Qualifying Interests on the NFL

None of the qualifying interests that form the River Tay SAC or Fearnan Cowpark SSSI designated sites are found on the NFL within the Drummond Hill LMP, therefore no operations within the Drummond Hill LMP can impact on any qualifying interests on the NFL.

5. Operations within the LMP that could impact on the Designated Site Qualifying Interests adjacent to the NFL

Table 5 – Planned LMP Operations and Mitigation Measures to ensure Favorable/Recovering Condition is maintained for all Qualifying Interests adjacent to the NFL

Operation Type	Detailed description of operation and method	Mitigation measures to be applied	Timing	Drummond Hill LMP Map reference & other relevant comments (page number refers to the LMP document)
Clearfell nine phase 1 approved LMP coupes	Felling of trees on non-designated land under approved LMP. Felling with site suitable harvesting machine and motor-manual methods. Extraction with wheeled forwarder or winch where site conditions require. No felling coupes enter the River Tay SAC but may include crossing smaller tributary burns.	River Tay SAC and where relevant (coupe 12023) the Fearnan Cowpark SSSI will be highlighted to all operators Pre-commencement. All watercourses will be mapped on operational maps prior to any operations commencing. Prior to any operations surveys for protected species will be completed in compliance with UKFS Forests and Biodiversity guidelines. Any protected wildlife sites on the NFL adjacent to the River Tay SAC or Fearnan Cowpark SSSI will be recorded, mapped and provided suitable timing constraints and buffers zones to protect the sites and reduce any potential disturbance as per best practice in FC Guidance notes 31 to 35.	Appendix V of the Drummond Hill LMP details the timings for the eight planned phase 1 clearfell operations throughout the period of this designated site management plan.	Appendix V of the Drummond Hill LMP details the LMP schedule of works, including all clearfell coupes. Map M 4 in the Schedule of Maps illustrates the eight phase 1 felling coupes planed during the period of this plan. Map M 9 depicts the coupe numbers referred to in appendix V and depicted in Map M 4.

		All operations will comply with the UKFS, in particular the forests and soils and forests and water guidelines. All small water crossings will comply with best practice in the UKFS, using suitable log bridges and pollution control measures. Pollution control kits will be available on all machines on site. Roadside drains will be managed with silt traps and cut off before any watercourses.		
Thinning approved LMP coupes.	Felling a prescribed volume of timber from within thinning coupes under approved LMP. Felling with site suitable harvesting machine and motor-manual methods. Extraction with wheeled forwarder or winch where site conditions require. No felling coupes enter the River Tay SAC but may include crossing smaller tributary burns. No operational thinning is planned or approved adjacent to the Fearnan Cowpark SSSI during the period of the LMP	River Tay SAC will be highlighted to all operators Pre-commencement. All watercourses will be mapped on operational maps prior to any operations commencing. Prior to any operations surveys for protected species will be completed in compliance with UKFS Forests and Biodiversity guidelines. Any protected wildlife sites on the NFL adjacent to the River Tay SAC will be recorded, mapped and provided suitable timing constraints and buffers zones to protect the sites and reduce any potential disturbance as per best practice in FC Guidance notes 31 to 35. All operations will comply with the UKFS, in particular the forests and soils and forests and water guidelines.	Appendix V of the Drummond Hill LMP details the planned thinning operations and timings throughout the period of this designated site management plan. However, as approved thinning coupes FLS may bring forward or delay thinning coupes due to market and/or management needs.	Appendix V of the Drummond Hill LMP details the LMP schedule of works, including all thinning coupes. Map M 10 depicts the thinning permissions within the Drummond Hill LMP and their proposed timings. Map M 11 depicts the Low Impact Silvicultural Systems planned for the areas under thinning permission within the Drummond Hill LMP

		All small water crossings will comply with best practice in the UKFS, using suitable log bridges and pollution control measures. Pollution control kits will be available on all machines on site. Roadside drains will be managed with silt traps and cut off before any watercourses.		
Ground preparation for restock operations on approved LMP coupes	Prepare the ground for successful restocking operations within previously felled coupes using the most soil sensitive methods suitable to the ground conditions as per FLS policy. Excavator based ground preparation will use most suitable and soil sensitive prescription for the site conditions (eg. mechanical vegetation screefing, inverted/hinge mounding). Manage and maintain existing forestry drainage. Install new drainage systems and for productive conifer coupes where needed.	River Tay SAC and where relevant (coupe 12023) the Fearnan Cowpark SSSI will be highlighted to all operators Pre-commencement. All watercourses will be mapped on operational maps and marked on the ground prior to any operations commencing. Prior to any operations surveys for protected species will be completed in compliance with UKFS Forests and Biodiversity guidelines. Any protected wildlife sites on the NFL adjacent to the River Tay SAC or Fearnan Cowpark SSSI will be recorded, mapped and provided suitable timing constraints and buffers zones to protect the sites and reduce any potential disturbance as per best practice in FC Guidance notes 31 to 35. All ground preparation methods will be decided using the FLS Guidance on ground cultivation for FLS staff to ensure suitable methods are used on a site by site basis to minimize carbon	Appendix V of the Drumond Hill LMP details the timing of ground preparation coupes planned throughout the period of this designated site management plan.	Appendix V of the Drummond Hill LMP details the ground preparation schedule of works and their proposed timings. Map M 9 details the restock coupe numbers and areas for phase 1 and 2 of the Drummond Hill LMP, along with the approved LMP species.

		loss and reduce any potential sediment run-off. Buffer zones from ground preparation will be used as per UKFS Forests and Water guidelines and best practice set out in Forest Research – managing forest operations to protect the water environment as an absolute minimum standard.		
		Drain management, maintenance and creation will comply with UKFS Forests and Water guidelines and best practice set out in Forest Research – managing forest operations to protect the water environment, as an absolute minimum standard.		
		Pollution control kits will be on site and available at all times.		
Restock and beat-up planting on approved LMP coupes	Hand plant trees as per approved LMP restock maps.	River Tay SAC and where relevant (coupe 12023) the Fearnan Cowpark SSSI will be highlighted to all operators Pre-commencement. All watercourses will be mapped on operational maps and marked on the ground prior to any operations commencing. Prior to any operations surveys for protected species will be completed in compliance with UKFS Forests and Biodiversity guidelines.	Appendix V of the Drummond Hill LMP details the planned timing and species for the restock operations throughout the period of this designated site management plan.	Appendix V of the Drummond Hill LMP details the schedule of works, including timing and proposed species for restock and beat-up planting. Map M 12 depicts the mapped watercourses with the restock coupes and species planned during phases 1 and 2 of the Drummond Hill LMP. Map M 3 depicts the long term future species following forest restructuring within the
		Any protected wildlife sites on the NFL adjacent to the River Tay SAC or Fearnan Cowpark SSSI will be recorded, mapped and provided		Drummond Hill LMP.

		suitable timing constraints and buffers zones to protect the sites and reduce any potential disturbance as per best practice in FC Guidance notes 31 to 35. Planting, plant handling and plant storage will comply with UKFS Forests and Water guidelines. Forest restructuring in the Drummond Hill LMP creates a minimum 20 meter riparian buffer of open ground and native broadleaved woodland to be kept free from any		
		conifer planting. Long term forest restructuring removes potentially invasive conifer species from ground adjacent to the Fearnan Cowpark SSSI replacing them with non-invasive conifers (Scots pine and Norway spruce) and site native species (birch, aspen, hazel) to prevent future invasive tree regeneration impacting on the grassland features.		
Construction of approx. 100 meters of new forest road.	Tree felling to open up new road line. Scrape and level surface with excavator. Import formation rock with tipper truck and spread and shape to create road base formation using 360 excavators. Roll formation with a vibrating roller to compact and knit the road formation and level surface. Import road surface rock crushed to approx. 65 mm, spread with 360	River Tay SAC will be highlighted to all operators Pre-commencement. There are no mapped watercourses to be crossed along the proposed route of the new forest road. However, the line will be surveyed for any small unmapped watercourses, these will be mapped on operational maps and marked on the ground, suitable culvert pipes will be used to enable free flow of any running water.	Appendix V details the new forest road build, which is planned for 2021/22	Appendix V of the Drummond Hill LMP details the proposed road construction. Map M 13 depicts the proposed new forest road section with a solid green line and a target note.

	excavator and roll as above to create a road surface suitable for timber haulage.	Road side drainage will be planned and installed to include suitable silt traps and soakaways to manage surface water during haulage operations. All operations will be compliant with UKFS Forests and Water guidelines. Pollution control kits will be on site and available at all times. Prior to any operations surveys for protected species will be completed in compliance with UKFS Forests and Biodiversity guidelines. Any protected wildlife sites will be recorded, mapped and provided suitable timing constraints and protective buffers to protect the sites as per best practice in FC Guidance notes 31 to 35.		
Upgrade approx. 27,796 meters of existing forest road. Upgrade work will vary depending on the condition of the existing roads.	Scrape and level existing road surface with grader. Upgrade water crossing culverts if required. Import base rock with tipper trucks if and where required. Spread and shape as required using 360 excavator. Import road surface rock crushed to approx. 65 mm, spread with 360 excavator. Roll formation with a vibrating roller to compact and knit the road formation and level surface.	River Tay SAC will be highlighted to all operators Pre-commencement. All watercourses will be mapped on operational maps and marked on the ground prior to any operations commencing. All operations will be compliant with UKFS Forests and Water guidelines. Cut-off culverts and sediment traps will be added before any water crossing upgrades. Pollution control kits will be on site and available at all times.	Appendix V of the Drummond Hill LMP lists the forest road upgrade programme for the period of the LMP. Each road upgrade is listed separately along with the proposed year of upgrade. The 27,796 meters relates only to the period of this designated site plan 2021 – 2026.	Appendix V of the Drummond Hill LMP details the LMP schedule of works for road upgrading. Map M 13 depicts the forest roads.

	Upgrade roadside drains to support new road use including new sediment traps and vegetation soakaways. Add cut-off culverts a minimum of 10 m from any water crossing.	Prior to any operations surveys for protected species will be completed in compliance with UKFS Forests and Biodiversity guidelines. Any protected wildlife sites will be recorded, mapped and provided suitable timing constraints and protective buffers to protect the sites as per best practice in FC Guidance notes 31 to 35.		
Maintenance of existing forest road network	Pot hole repair and re-profiling road surfaces using grader and roller. Managing and maintaining roadside drainage with excavators. Cutting / flailing roadside vegetation to facilitate access. All operations will be on existing road infrastructure.	River Tay SAC will be highlighted to all operators Pre-commencement. All watercourses will be mapped on operational maps and marked on the ground prior to any operations commencing. All operations will be in compliance with UKFS Forests and Water guidelines. All grading /scraping will finish before the cut-off culverts to prevent any sediment entering the watercourses. Prior to any operations surveys for protected species will be completed in compliance with UKFS Forests and Biodiversity guidelines. Any protected wildlife sites will be recorded, mapped and provided suitable timing constraints and protective buffers to protect the sites as per best practice in FC Guidance notes 31 to 35.	Road maintenance may need to be undertaken at any time during the period of this designated site management plan to maintain the road network for timber haulage and access to operational coupes.	Appendix V of the Drummond Hill LMP details the LMP schedule of works for road upgrading. Map M 13 depicts the forest roads.
Construction of seven new stoned forwarder tracks	Tree felling to open up new road line.	River Tay SAC will be highlighted to all operators Pre-commencement.	Appendix V of the Drummond Hill LMP details the proposed	Appendix V of the Drummond Hill LMP details the schedule of works

1.100		T		
totaling approx. 4,400	Scrape and level surface with excavator.		construction and timing of the new	for the construction of new
meters to provide access to		Only one of the proposed new	forwarder tracks during the period	forwarder tracks along with
LISS and difficult steep	Import formation rock with tipper truck	forwarder tracks cross mapped	of this designated site plan.	proposed timings and coupe
ground working coupes.	and spread and shape to create road	watercourses that flow into the River		reference.
Forwarder tracks vary in	base formation using 360 excavators.	Tay SAC. However, the full line of all	700 meters planned for 2021	
length from 200 – 1,000		proposed new forwarder tracks will	(coupe 12025)	Map M 13 depicts the proposed
meters.	Stone left unbound to facilitate water	be surveyed for any small unmapped		new forwarder tracks for the full
	percolation.	watercourses, these will be mapped	700 meters planned for 2022	LMP period with solid brown lines.
		on operational maps and marked on	(coupe 12004)	
	Track side drains and culverts to be	the ground, suitable culvert pipes will		
	installed as required.	be used to enable free flow of any	1,000 meters planned for 2023	
		running water.	(coupe 12049)	
		Track side drainage will be planned	800 meters planned for 2023	
		and installed to include suitable silt	(coupe 12008)	
		traps and soakaways to manage		
		surface water during haulage	500 meters planned for 2024	
		operations.	(coupe 12013)	
			500	
		All operations will be compliant with	500 meters planned for 2025	
		UKFS Forests and Water guidelines.	(coupe 12045)	
		Dell'ution control bita will be an eiter	200	
		Pollution control kits will be on site	200 meters planned for 2026	
		and available at all times.	(coupe 12012)	
		Duian ta anno anaustiana anno anno fan		
		Prior to any operations surveys for protected species will be completed		
		in compliance with UKFS Forests and		
		Biodiversity guidelines.		
		Any protected wildlife sites will be		
		recorded, mapped and provided		
		suitable timing constraints and		
		protective buffers to protect the sites		
		as per best practice in FC Guidance notes 31 to 35.		
		Hotes 31 to 35.		
Construction of two new	Tree felling to open up new ATV access	River Tay SAC will be highlighted to all	Appendix V of the Drummond Hill	Appendix V of the Drummond Hill
low impact ATV access	track line.	operators Pre-commencement.	LMP details the proposed timing	LMP details the schedule of works
tracks, totaling approx.	track line.	operators i re commencement.	for the new low impact ATV access	for the construction of new ATV
1,450 meters, to facilitate	Scrape and level surface with excavator	None of the proposed new low	track construction during the	tracks along with proposed timings
deer management,	removing any stumps.	impact ATV access tracks cross	period of this plan.	and coupe reference.
ucei illallageillelli,	Temoving any stumps.	impact ATV access tracks cross	period of this plan.	and coupe reference.

thinning and restocking		manned watercourses. However the	250 meters planned for	
thinning and restocking operations.	In wet sections import locally borrowed stone, spread, level and roll with excavator. Stone left unbound to facilitate water percolation. Track side drains and culverts to be installed as required.	mapped watercourses. However, the full line of all proposed new ATV access tracks will be surveyed for any small unmapped watercourses, these will be mapped on operational maps and marked on the ground, suitable culvert pipes will be used to enable free flow of any running water. Track side drainage will be planned and installed to include suitable silt traps and soakaways to manage surface water and runoff from the tracks. All operations will be compliant with UKFS Forests and Water guidelines. Pollution control kits will be on site and available at all times. Prior to any operations surveys for protected species will be completed in compliance with UKFS Forests and Biodiversity guidelines. Any protected wildlife sites will be recorded, mapped and provided suitable timing constraints and protective buffers to protect the sites as per best practice in FC Guidance notes 31 to 35.	250 meters planned for construction in 2023 (coupe 12409) 1,200 meters planned for construction in 2025 (coupe 12023)	Map M 13 depicts the proposed new ATV tracks with solid orange lines.
Maintenance of approx. 5,000 meters of existing ATV access track network	Control vegetation to allow access along ATV tracks using motor-manual methods and potentially an excavator based	River Tay SAC will be highlighted to all operators Pre-commencement.	Appendix V of the Drummond Hill LMP details the proposed timing for ATV access track maintenance	Appendix V of the Drummond Hill LMP details the schedule of works for the maintenance of existing
to facilitate deer management.	mulcher. Scrape surfaces level with an excavator.	The full line of all proposed ATV access track maintenance will be surveyed for any small unmapped	during the period of this plan and references them to management coupes.	ATV tracks along with proposed timings and coupe reference.
	In wet sections import locally borrowed stone, spread, level and roll with	watercourses, these will be mapped on operational maps and marked on the ground, suitable culvert pipes will	3,920 meters of ATV track maintenance are planned for 2022	Map M 13 depicts the ATV tracks with solid and dashed orange lines.

T	T	,	
excavator. Stone left unbound to	be maintained or added to enable	to service four different coupes	
facilitate water percolation.	free flow of any running water.	(12032, 12043, 12046 and 12047)	
Replace failed culvert pipes.	Track side drainage will be		
	maintained and improved to include	1,800 meters of ATV track	
	suitable silt traps and soakaways to	maintenance are planned for 2024	
	manage surface water and runoff	to service two different coupes	
	from the tracks.	(12001 and DH529)	
	Trom the tracks.	(12001 and 511323)	
	All operations will be compliant with		
	UKFS Forests and Water guidelines.		
	ON 51 of ests and Water guidennes.		
	Pollution control kits will be on site		
	and available at all times.		
	and available at all times.		
	Duian ta anno ananationa anno anno fan		
	Prior to any operations surveys for		
	protected species will be completed		
	in compliance with UKFS Forests and		
	Biodiversity guidelines.		
	Any protected wildlife sites will be		
	recorded, mapped and provided		
	suitable timing constraints and		
	protective buffers to protect the sites		
	as per best practice in FC Guidance		
	notes 31 to 35.		

6. Appropriate Assessment/s undertaken on work contained within the LMP

All work proposed under this designated site management plan follows industry standard best practice. There are no additional mitigation methods proposed to reduce any potential impacts on the qualifying interests, therefore no appropriate assessment is required.

7. Approvals, Agreements & Signatures

FLS has a corporate requirement under UKWAS (2nd edition) and under the FCS Framework Document for FES (2010) to manage <u>all</u> designated sites in accordance with plans approved by the statutory authority, I therefore sign below to approve the contents of this plan in relation to the designated sites River Tay SAC and Fearnan Cowpark SSSI that fall within or adjacent to its boundary on the NFL within the Drummond Hill LMP.

NatureScot Signature: By Email Date: 16/11/2021

NatureScot Name: Nicki McIntyre

NatureScot Job Title: Operations Officer

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