

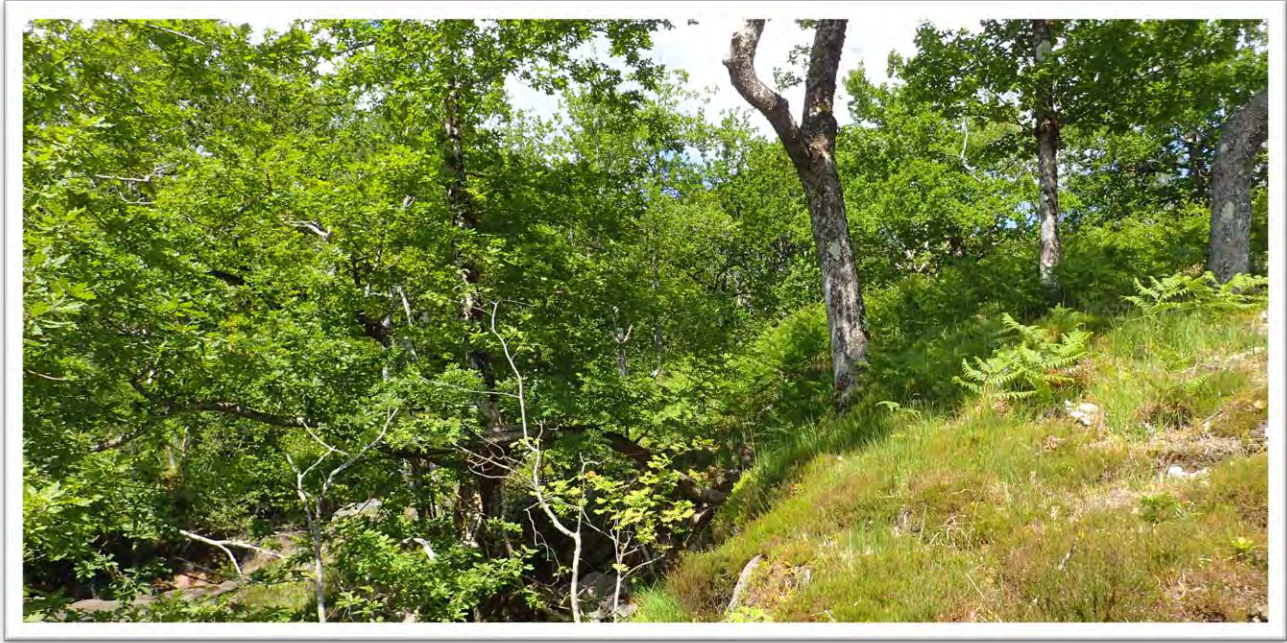


Forestry and
Land Scotland
Coilltearachd agus
Fearann Alba

Ancient semi- natural woodland (ASNW) Management plan



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Allt Cheanna Mhuir

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 1052 9164	777	468	7.1

Woodland type: upland oakwood

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal Intervention	Mature Woodland, understorey regeneration	80

Natural regeneration

Density of natural regeneration

Threshold met	Threat level	Action	Comment
No	Threatened	Reduce deer impacts	None

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	Oak, birch, hazel, rowan seeds frequent.

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Herbivore impact

Threshold met	Threat level	Action	Comment	Impact level
No	Threatened	Reduce deer impacts	Deer on site	High

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Tree canopy composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Woodland trend

Improving

Quality Indication

Indicator	Trend	Description
Yes	Unknown	Lungwort

General comments

The woodland is composed of mature oak with Rowan, Hazel and birch, with Alder along Loch Arkaig. All age and stage present.
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Actions and prescriptions

<p>Priority: Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².</p> <p>Non-priority: Monitor condition for INNS and NNR.</p>
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Allt Mhuic Butterfly Reserve

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 1211 9134	0	0	14.75

Woodland type: upland oakwood

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Mature woodland, understorey regeneration	80

Natural regeneration

Density of natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	Rowan, birch, oak, hazel, alder seeds, saplings and poles.

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Herbivore impact

Threshold met	Threat level	Action	Comment	Impact level
No	Threatened	Reduce deer impacts		High

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Tree canopy composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Woodland trend

Improving

Quality Indication

Indicator	Trend	Description
None	None	None

General comments

Rowan, birch, oak, hazel and alder – seedlings, saplings and poles present. Some high browsing levels.

Actions and prescriptions

Priority:
Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².

Non-priority:
Monitor condition for INNS and NNR.



Allt Mhuic east entrance

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 1373 9061	519227	950295811	0.7

Woodland type: upland birchwood

1.0 Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Mature woodland, no understorey	70

Natural regeneration

Density of natural regeneration

Threshold met	Threat level	Action	Comment
No	Threatened	Reduce deer impacts	Heavy pig presence

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Threatened	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
No	Threatened	Reduce deer impacts	There are seedlings and saplings but they are heavily browsed by deer and pig.

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Herbivore impact

Threshold met	Threat level	Action	Comment
No	Critical	Reduce deer impacts	Deer and pigs present

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Tree canopy composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Woodland trend

Unknown

Quality Indication

Indicator	Trend	Description
No	None	None

General comments

The area has a heavy pig presence. They have destroyed the fence to gain access to their dwelling area.

Actions and prescriptions

Priority:
Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².
Consider erecting a pig proof fence. The boundary with neighbouring grazing land is unclear.

Non-priority:
Monitor condition for INNS and NNR.



Allt Cia-Aig

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 1766 8916	887669	1615	8.35

Woodland type: upland oakwood

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Mature woodland, understorey regeneration	70

Natural regeneration Density of natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	Reduce deer impact	Some recent high browsing.

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
No	Secure	None	None

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
No	Critical	Herbicide application	Dense rhododendron in places

Herbivore impact

Threshold met	Threat level	Action	Comment	Impact level
No	Threatened	Reduce deer impacts	Deer on site. Some high browsing in an area of previously low browsing.	High

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
No	Critical	Herbicide application	Sitka regeneration throughout

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Tree canopy composition

Threshold met	Threat level	Action	Comment
No	Threatened	Thin	Beech, cypress (WRC?), and grand fir.

Woodland trend

Unknown

Quality Indication

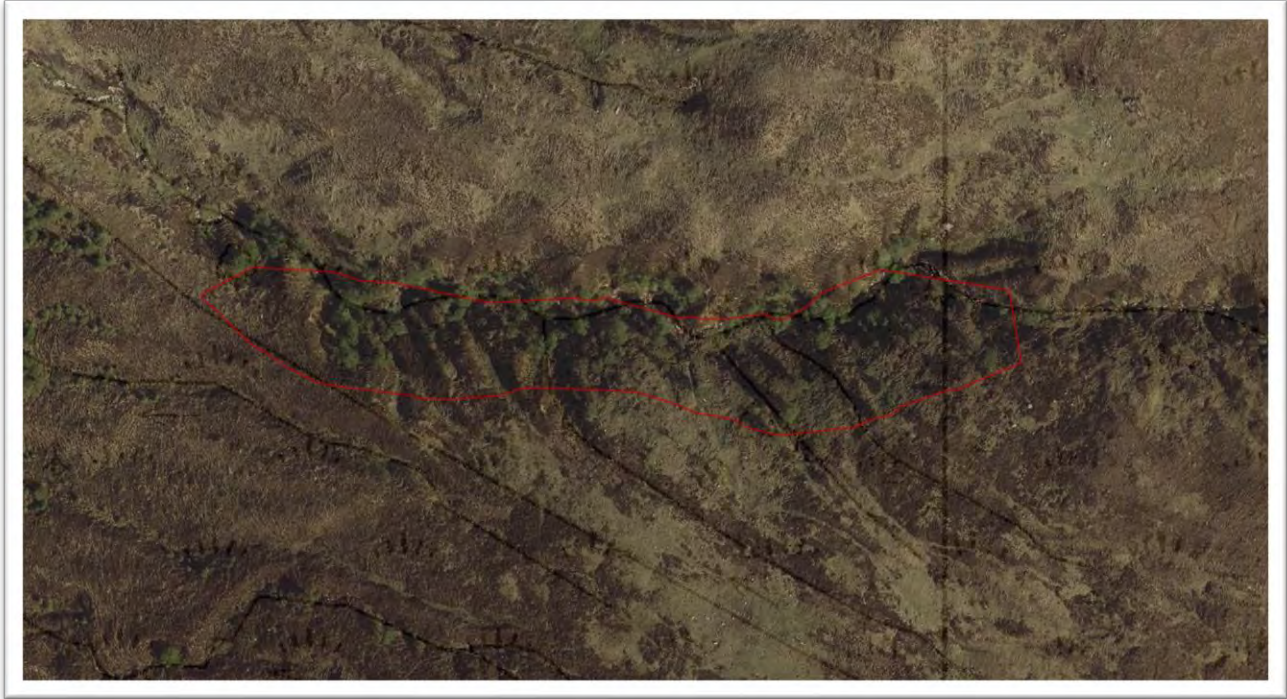
Indicator	Trend	Description
Yes	Unknown	Rich bryophytes on gorge face.

General comments

Mature oak, hazel, birch, alder, ash and willow. Yellow pimpernel, viola present.

Actions and prescriptions

<p>Priority:</p> <ul style="list-style-type: none"> • Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km². • Herbicide treatment of rhododendron. • Remove non-native regeneration. • Thin to remove larger non-native tree species – Sitka spruce, Beech, WRC, Grand fir.
--



Cia-aig north

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 1886 9227	519248	136001	1.3

Woodland type: upland birchwood

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Mature woodland, no understory regeneration.	100

Natural regeneration

Density of natural regeneration

Threshold met	Threat level	Action	Comment
No	Critical	None	Some mature birch with a lot of red deer signs. No seedlings or understorey.

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
No	Threatened	None	No signs of seedlings or saplings.

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Herbivore impact

Threshold met	Threat level	Action	Comment	Threat level
No	Threatened	Reduce deer impacts	None	High

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Public usage

Threshold met	Threat level	Action	Comment
N/A	N/A	N/A	N/A

Operational impact

Threshold met	Threat level	Action	Comment
N/A	N/A	N/A	N/A

Pests and disease

Threshold met	Threat level	Action	Comment
N/A	N/A	N/A	N/A

Tree canopy composition

Threshold met	Threat level	Action	Comment
No	Threatened	None	Willow and birch

Woodland trend

Declining

Quality Indication

Indicator	Trend	Description
None	None	None

General comments

This area only has birch and willow with medium grazing albeit with lots of signs of a lot of red deer. Perhaps enrichment,

Actions and prescriptions

<p>Priority:</p> <p>Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².</p> <p>Non-priority:</p> <p>Enrichment planting of Aspen and Rowan?</p>
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Cia-aig forest entrance

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 1857 8876	94776	16532	1.6

Woodland type: upland birchwood & upland mixed ashwood mosaic

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Open canopy, open grown trees, complex	70

Natural regeneration Density of natural regeneration

Threshold met	Threat level	Action	Comment
No	Threatened	Reduce deer impacts	None.

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
No	Threatened	Reduce deer impacts	None.

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Herbivore impact

Threshold met	Threat level	Action	Comment	Impact level
No	Threatened	Reduce deer impacts	Recent high browsing	High

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
No	Threatened	Fell-to-recycle	Sitka regeneration.

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Tree canopy composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Woodland trend

Unknown

Quality Indication

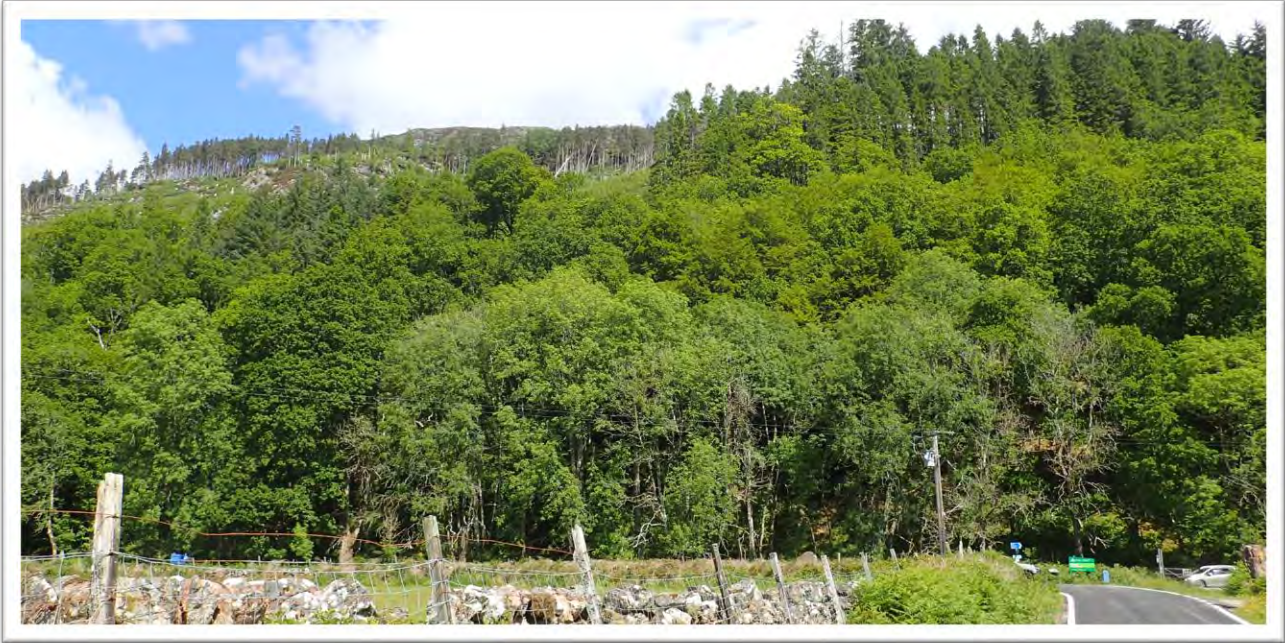
Indicator	Trend	Description
No	None	None

General comments

Alder, hazel, birch and oak. There are substantial numbers of trout breeding in the stream along the public road.

Actions and prescriptions

<p>Priority:</p> <ul style="list-style-type: none">• Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².• Fell-to-recycle the Sitka spruce regeneration



Dark Mile to Clunes hamlet

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 1969 8883	767	500028760	8.7

Woodland type: upland mixed ashwood & upland oakwood mosaic

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Mature woodland, understorey regeneration	70

Natural regeneration Density of natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
No	Threatened	Herbicide application	Abundant along steep slopes

Herbivore impact

Threshold met	Threat level	Action	Comment	Threat level
No	Threatened	Reduce deer impacts	Lack of seedlings in accessible area.	High

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
Yes	Secure	Remove WH from the Allt Ban section. Steep. May require rope work. Complete before adjacent felling operations?	WH regeneration along the Allt Ban

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
No	Secure	Remove redundant materials	Machinery dumped

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	Manage unsafe Ash trees within falling distance of roads and infrastructure, whilst protecting scheduled lichen.	Chalara infected Ash near public and forest roads

Tree canopy composition

Threshold met	Threat level	Action	Comment
Yes	Secure	Fell-to-recycle	Hemlock abundant

Woodland trend

Unknown

Quality Indication

Indicator	Trend	Description
Yes	None	Rich bryophytes in gorge (Allt Ban)

General comments

Mature oak and birch throughout with frequent hazel and some Scots pine, willow, ash and rowan. Covered in epiphytic mature oak with target noted remarkable rowan.

Actions and prescriptions

Priority:

- Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².
- Fell-to-recycle the Western hemlock and Sitka spruce regeneration.
- Treat rhododendron and gaultheria with herbicide
- Remove redundant machinery.



Dark Mile – Allt Torr a' Chomhnaltraidh

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 1931 8888	98834	0	0.2

Woodland type: upland birchwood

Management Model:

Model	Woodland Class structure	% of ASNW
Silviculture for biodiversity	Dense regeneration on primarily open ground	90

Natural regeneration Density of natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Herbivore impact

Threshold met	Threat level	Action	Comment	Threat level
No	Threatened	Reduce deer impacts	None	High

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Tree canopy composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Woodland trend

Unknown

Quality Indication

Indicator	Trend	Description
No	None	None

General comments

Dense young birch regeneration

Actions and prescriptions

Priority:
Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².

Non-priority:
Monitor for NNR and INNS.



Allt an Tollain

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 2141 8929	519272	500028764	2.43

Woodland type: upland mixed ashwood & upland oak birchwood mosaic

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Young, dense woodland in the stem exclusion or early maturity stage.	80

Natural regeneration Density of natural regeneration

Threshold met	Threat level	Action	Comment
N/A	Secure	None	Consider deer impacts

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
No	Threatened	None	Consider deer impacts

Regeneration Composition

Threshold met	Threat level	Action	Comment
No	Threatened	Reduce deer impacts	Lack of seedlings

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
No	Critical	Herbicide application	Rhododendron well established and seeding

Herbivore impact

Threshold met	Threat level	Action	Comment	Threat level
Yes	Secure	Reduce deer impact	Deer may be impacting on current recruitment following period where saplings got away.	Medium

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	Linkage with ASNW and PAWS

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
No	Threatened	Fell-to-recycle	SS, WH, WRC, Beech

Public usage

Threshold met	Threat level	Action	Comment
No	Threatened	Other	Fire pit at lochside

Operational impact

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	Monitor Ash within falling distance of the forest road	Ash dieback a potential threat.

Tree canopy composition

Threshold met	Threat level	Action	Comment
No	Threatened	Thin/FTR to remove NNR	SS, WH scattered throughout

Woodland trend

Unknown

Quality Indication

Indicator	Trend	Description
No	N/A	N/A

General comments

Mix of W11 & W7 woodland. Previous broadleaved planting evidence, and thinning of natives. Woodcock seen.

Actions and prescriptions

<p>Priority:</p> <ul style="list-style-type: none">• Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².• Herbicide treatment of rhododendron• Thin and/or fell-to-recycle SS, WH, WRC, Beech.• Sensitively manage ash within falling distance of the forest road/GGW.
--



Allt Glas lochside

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 2170 8960	519272	131749	1.47

Woodland type: upland mixed ashwood

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Young, dense woodland in the stem exclusion or early maturity stage.	70

Natural regeneration Density of natural regeneration

Threshold met	Threat level	Action	Comment
N/A	Secure	Reduce deer impacts	Saplings only

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
N/A	Threatened	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
N/A	N/A	N/A	N/A

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Herbivore impact

Threshold met	Threat level	Action	Comment	Threat level
Yes	Secure	None	Moderate	Medium

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	Monitor Ash within falling distance of the forest road	Ash dieback a potential threat.

Tree canopy composition

Threshold met	Threat level	Action	Comment
No	Critical	Group fell	SS, WH and Beech

Woodland trend

Unknown

Quality Indication

Indicator	Trend	Description
No	N/A	None

General comments

Ash, alder, birch, rowan, hazel. Limited oak.

Actions and prescriptions

Priority:

- Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².
- Group fell and fell-to-recycle SS, WH, Beech.
- Sensitively manage ash within falling distance of the forest road/GGW.

Non-priority:
Monitor rhododendron.



Allt Glas middle

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 2162 8968	519272	950165505	1.39

Woodland type: upland mixed ashwood & upland birchwood mosaic

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Mature woodland, no understorey	100

Natural regeneration Density of natural regeneration

Threshold met	Threat level	Action	Comment
No	Threatened	Reduce deer impacts	Deer control. Open the canopy through NNR removal and halo thinning along burn side.

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	Currently space. Future threat from non-natives.

Regeneration Composition

Threshold met	Threat level	Action	Comment
No	Threatened	Reduce deer impacts	No young recruitment

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
No	Critical	INNS removal	Rhododendron along burn

Herbivore impact

Threshold met	Threat level	Action	Comment	Threat level
No	Threatened	Reduce deer impacts	None	Moderate-high

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
No	Critical	Remove NNR	SS and WH

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Tree canopy composition

Threshold met	Threat level	Action	Comment
No	Critical	Remove NNR	SS and WH

Woodland trend

Unknown

Quality Indication

Indicator	Trend	Description
No	N/A	N/A

General comments

Mixed woodland up burn with frequent conifers. Birch, alder, hazel and willow. W11

Actions and prescriptions

Priority:

- Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².
- Thin and/or fell-to-recycle SS and WH. Halo thin along burnside.
- Remove rhododendron



North of Allt Glas lochside

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 2187 8976	3541	35158	0.77

Woodland type: upland mixed ashwood

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Young, dense woodland in the stem exclusion or early maturity stage.	60

Natural regeneration Density of natural regeneration

Threshold met	Threat level	Action	Comment
N/A	Secure	None	Some thinning already undertaken. Ash and hazel regeneration.

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
N/A	Secure	None	Limited thinning in denser area.

Regeneration Composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	Ash, holly and hazel noted.

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
No	Threatened	Chemical and mechanical control required.	Rhododendron mainly along road

Herbivore impact

Threshold met	Threat level	Action	Comment	Threat level
Yes	Secure	None	None	Medium

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
No	Secure	Fell-to-recycle	SS and WH

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	None	Ash dieback observed.

Tree canopy composition

Threshold met	Threat level	Action	Comment
No	Critical	Group fell	Group fell the WH stand at the north end. Remove other conifers scattered through stand. Remove target noted beech

Woodland trend

Declining

Quality Indication

Indicator	Trend	Description
No	N/A	None

General comments

Ash, alder, hazel and rowan wood along loch shore. Mature Beech present.

Actions and prescriptions

Priority:

- Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².
- Thin, group fell and fell-to-recycle SS, WH, Beech.
- Sensitively manage ash within falling distance of the forest road/GGW.
- Chemical and mechanical treatment of rhododendron.



Allt Glas upper

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 2133 8993	519264	950165505	0.52

Woodland type: upland birchwood

Management Model:

Model	Woodland Class structure	% of ASNW
Silviculture for biodiversity	Mature woodland, understorey regeneration	60

Natural regeneration

Density of natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
No	Critical	Herbicide application	Rhododendron throughout.

Herbivore impact

Threshold met	Threat level	Action	Comment	Threat level
No	Threatened	None	High browsing and deer signs	High

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
No	Threatened	Fell-to-recycle	Sitka throughout

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
N/A	N/A	N/A	N/A

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Tree canopy composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	Comprising 20% SS regen

Woodland trend

Declining

Quality Indication

Indicator	Trend	Description
No	N/A	N/A

General comments

Mixed birch, rowan, willow, holly, hazel with 20% SS pole regeneration. This is a steep site.

Actions and prescriptions

<p>Priority:</p> <ul style="list-style-type: none"> • Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km². • Fell-to-recycle SS. • Remove or stem inject rhododendron.



Allt na Molaich

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 2179 9026	599936	685135	4.0

Woodland type: upland birchwood

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Mature woodland, no understorey regeneration	90

Natural regeneration

Density of natural regeneration

Threshold met	Threat level	Action	Comment
No	Threatened	Reduce deer impacts	Heavily grazed with red hinds present on site.

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
No	Threatened	Reduce deer impacts	Heavily grazed with red hinds present on site.

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Herbivore impact

Threshold met	Threat level	Action	Comment	Threat level
No	Threatened	Reduce deer impacts	Red hinds present on site.	High/medium

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
N/A	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Tree canopy composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Woodland trend

Unknown

Quality Indication

Indicator	Trend	Description
No	N/A	N/A

General comments

Deer impacts need to be reduced.

Actions and prescriptions

Priority:
Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².



North of Allt Molaich

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 2237 9072	519270	1685	1.1

Woodland type: upland mixed ashwood & upland birchwood mosaic

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Open canopy, open-grown trees, simple	70

Natural regeneration

Density of natural regeneration

Threshold met	Threat level	Action	Comment
No	Critical		Fence

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
No	Critical		Majority of area without regen. Heavily browsed rowan seedling noted. More regen on western crag

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Herbivore impact

Threshold met	Threat level	Action	Comment	Threat level
No	Critical	Reduce deer impacts	High	High

Landscape connectivity

Threshold met	Threat level	Action	Comment
No	Threatened		Next to PAWS, but isolated

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
No	Critical		SS regen abundant, many seedlings and areas of saplings. Also WH.

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
No	Threatened		Fencing materials left in situ, possibly abandoned.

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Tree canopy composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	Remove NNR otherwise canopy will become threatened.

Woodland trend

Declining

Quality Indication

Indicator	Trend	Description
No	N/A	N/A

General comments

Steep cliffs. Hazel, holly, oak, wych elm, rose spp, ash

Actions and prescriptions

Priority:

- Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².
- Fell-to-recycle NNR, including the from the open habitat uphill of the ASNW.

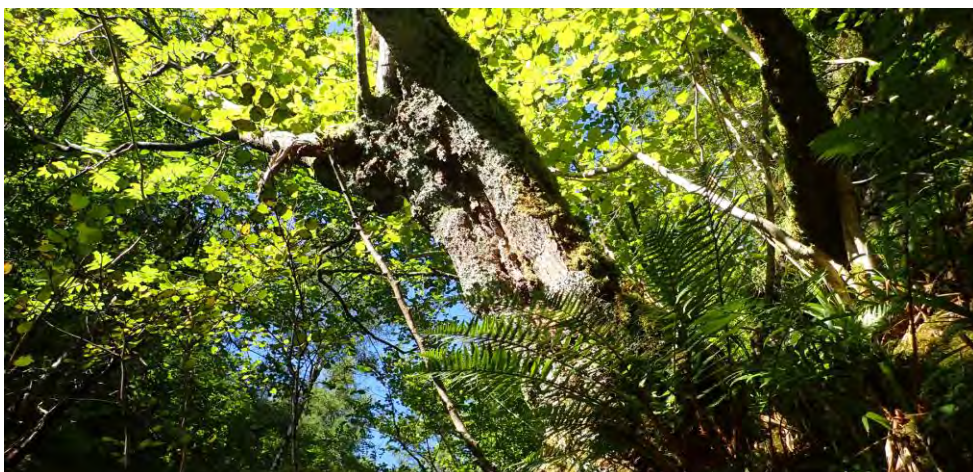


Allt Dearg

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 2390 9250	519279	950295880	1.15

Woodland type: upland mixed ashwood:



Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Mature woodland, understorey regeneration	100

Natural regeneration

Density of natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	Ash, birch and hazel saplings, occasional seedlings.

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Regeneration Composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	Some good rotting logs with rich bryophyte flora, potential Buxbaumia habitat.

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
No	Critical	Herbicide application	Rhododendron, particularly in lower section. Remove all, treat

Threshold met	Threat level	Action	Comment
			larger bushes. Steep slope, work manually.

Herbivore impact

Threshold met	Threat level	Action	Comment	Threat level
Yes	Secure	Reduce deer impact		High

Landscape connectivity

Threshold met	Threat level	Action	Comment
No	Threatened		Link downstream, otherwise surrounded by conifers.

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
No	Critical	Fell-to-recycle	SS regen, particularly on steep west side of gorge.

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Operational impact

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure		Ash dieback observed.

Tree canopy composition

Threshold met	Threat level	Action	Comment
Yes	Secure	None	Larch just outside the ASNW. Regen without removal will cause a future threat.

Woodland trend

Declining

Quality Indication

Indicator	Trend	Description
Yes	Unknown	Diverse ground flora, with rich bryophyte flora, and ferns on crags, including Wilson's filmy fern, maidenhair spleenwort and black spleenwort. Mix of W11b, W7-type and W17 (heathy fringes)

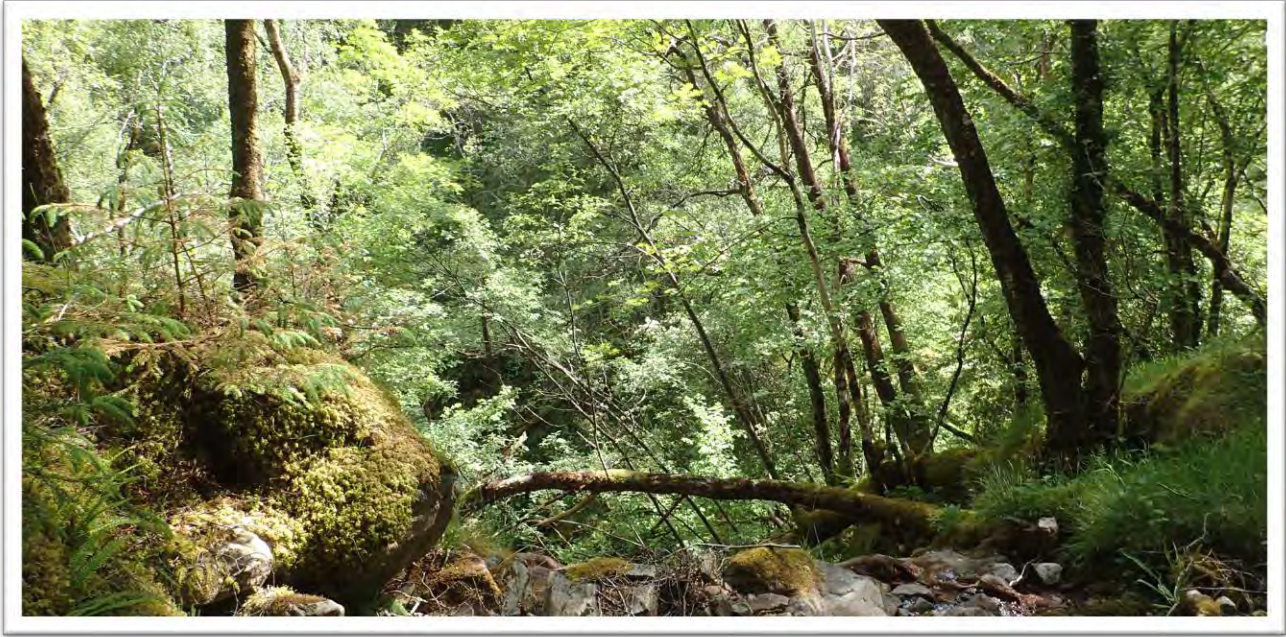
General comments

High value ash and hazel valley woodland, with ash, birch, wych elm, goat willow and hazel canopy and current regen. Veteran elm present. Threatened by rhododendron invading, NNR from surrounding plantations.
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Actions and prescriptions

Priority:

- Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².
- Fell-to-recycle NNR.
- Remove/ chemically treat rhododendron.
- Halo thin along plantation edge.



Cam Bealach

Location:

Grid Ref	ASNW Ref	NWSS Ref	Area (ha)
NN 2460 9376	789	684	2.43

Woodland type: upland mixed ashwood

Management Model:

Model	Woodland Class structure	% of ASNW
Minimal intervention	Mature woodland, understorey regeneration.	70

Natural regeneration

Density of natural regeneration

Threshold met	Threat level	Action	Comment
No	Threatened	Other	Reduce deer impacts and fell SS

Opportunities for further natural regeneration

Threshold met	Threat level	Action	Comment
Yes	Threatened	Group fell	There are frequent mature pole and sapling SS throughout.

Regeneration Composition

Threshold met	Threat level	Action	Comment
No	Threatened	Do enrichment planting	None

Deadwood

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Invasive non-native species (INNS)

Threshold met	Threat level	Action	Comment
Yes	Secure	Follow-up control	Rhododendron along gorge

Herbivore impact

Threshold met	Threat level	Action	Comment	Threat level
No	Threatened	Reduce deer impacts.	Evidence of pig, roe and red.	High/medium

Landscape connectivity

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Non-native regeneration (NNR)

Threshold met	Threat level	Action	Comment
No	Threatened	Fell-to-recycle	There are frequent mature pole and sapling SS throughout the southern extent of the ASNW.

Public usage

Threshold met	Threat level	Action	Comment
Yes	Secure	None	Campfire noted on nearby Lochy Hill Access track.

Operational impact

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Pests and disease

Threshold met	Threat level	Action	Comment
Yes	Secure	None	None

Tree canopy composition

Threshold met	Threat level	Action	Comment
No	Threatened	Group fell	There are frequent mature pole and sapling SS throughout the southern extent of the ASNW.

Woodland trend

Declining

Quality Indication

Indicator	Trend	Description
No	N/A	N/A

General comments

There are frequent mature pole and sapling SS throughout the southern extent of the ASNW. Reduce deer impacts and fell SS.

Actions and prescriptions

Priority:

- Reduce deer numbers to sustainable levels to promote natural regeneration – ideally to the lower end density of 2-7 deer/km².
- Group fell SS.
- Fell-to-recycle NNR.
- Remove/ chemically treat rhododendron.

ASNW Management priority tables

Tree canopy composition:

ASNW	Threat level	Action	Priority 1 (gross ha)	Priority 2 (gross ha)
Allt an Tollain lochside	Threatened	Remove scattered SS & WH	0	2.43
Allt Glas central	Critical	Remove SS & WH	1.39	0
Allt Glas lochside	Critical	Remove SS. WH & beech	1.47	0
Cai-aig north	Threatened	Enrich plant	0	1.3
Cam Bealach	Threatened	Fell SS	0	2.43
North of Allt Glas lochside	Critical	Group fell WH, SS beech	0.77	0
Allt Cia-aig	Threatened	Thin to remove beech, cypress & GF	0	8.35
Total gross ha			3.63	14.51

Operational impact:

ASNW	Threat level	Action	Priority 1 (gross ha)	Priority 2 (gross ha)
North of Allt Molaich	Threatened	Remove fencing materials	0	1.1
Dark Mile to Clunes houses		Remove dumped machinery	0	8.7
Total			0	9.8

Public usage:

ASNW	Threat level	Action	Priority 1 (gross ha)	Priority 2 (gross ha)
Allt an Tollain	Threatened	Remove fire pit and litter	0	2.43
Total			0	2.43

Non-native regeneration (NNR) removal:

ASNW	Threat level	Action	Priority 1 (gross ha)	Priority 2 (gross ha)
North of Allt Molaich	Critical	Remove SS & WH seedlings & saplings	1.1	0
Allt Glas upper	Threatened	FTR SS	0	0.52
Allt an Tollain	Threatened	FTR SS/WH/LC/WRC/beechn	0	2.43
Allt Glas central	Critical	Remove SS & WH	1.39	0
Allt Dearg	Critical	Remove SS, especially from steep west side of gorge	1.15	0
Cam Bealach	Threatened	Remove SS regeneration	0	2.43
Allt Cia-aig	Critical	Remove/herbicide treat SS	8.35	0
Cia-aig forest entrance	Threatened	FTR SS	0	1.6
Totals			11.99	6.98

Landscape Connectivity:

The North of Allt na Molaich ASNW sits isolated from other remnants and is deemed threatened in terms of landscape connectivity. A recently felled PAWS restoration site lies immediately downslope of this ASNW so through time the PAWS site will enable the ASNW to be connected to the Allt na Molaich, North of Allt Glas lochside, Allt Glas lochside, Allt Glas central and Allt an Tollain lochside ASNWs.

The Allt Dearg ASNW is also relative isolated and deemed threatened, but it does have a connection with lochside semi-natural woodland via a lovely upland mixed ashwood on the lower section of Allt Dearg. Through time this ASNW will be surrounded by native woodland habitat starting with Phase 1 felling of the mature coupe to the NE to enable the native restoration.

Herbivore impact:

ASNW	Threat level	Action	Priority 1 (gross ha)	Priority 2 (gross ha)
North of Allt na Molaich	Critical	High impact – reduce deer impacts	1.1	0

ASNW	Threat level	Action	Priority 1 (gross ha)	Priority 2 (gross ha)
Allt Glas upper	Threatened	High impact – reduce deer impacts	0	0.52
Allt Glas central	Threatened	Moderate to high impact – reduce deer impacts	0	1.39
Cia-aig north	Threatened	Reduce deer impacts	0	1.3
Cam Bealach	Threatened	Moderate to high impact – reduce deer impacts	0	2.43
Allt Mhuic east entrance	Critical	High impact – reduce deer and pig impacts	0.7	0
Allt Cheanna Mhuir	Threatened	High impact – reduce deer impacts	0	7.1
Dark Mile to Clunes houses	Threatened	High impact – reduce deer impacts	0	8.7
Allt Mhuic Butterfly Reserve	Threatened	High impact – reduce deer impacts (controlled cattle grazing management)	0	14.75
Allt na Molaich	Threatened	Moderate to high impact – reduce deer impacts	0	4.0
Allt Cia-aig	Threatened	High impact – reduce deer impacts	0	8.35
Cia-aig forest entrance	Threatened	High impact – reduce deer impacts	0	1.6
Dark Mile – Allt Torr a Chomhnaltraidh	Threatened	High impact – reduce deer impacts	0	0.2
Total			1.8	50.34

Invasive non-native species (INNS) removal

ASNW	Threat level	Action	Priority 1 (gross ha)	Priority 2 (gross ha)
Allt Glas upper	Critical	Rhododendron herbicide application	0.52	0
Allt an Tollain lochside	Critical	Rhododendron herbicide application	2.43	0
All Glas central	Critical	Control rhododendron which is spreading along the stream	1.39	0

ASNW	Threat level	Action	Priority 1 (gross ha)	Priority 2 (gross ha)
Allt Dearg	Critical	Rhododendron herbicide application. Manually remove large bushes on steep slopes	1.15	0
Dark Mile to Clunes houses	Threatened	Rhododendron herbicide application.	0	8.7
North of Allt Glas lochside	Threatened	Chemical and mechanical control of rhododendron	0	0.77
Allt Cia-aig	Critical	Herbicide control of rhododendron	8.35	0
Total			13.84	9.47

Native regeneration:

ASNW	Threat level	Action	Priority 1 (gross ha)	Priority 2 (gross ha)
North of Allt na Molaich	Critical	Fencing to enable regeneration	1.1	0
Allt Glas central	Threatened	Deer control, open canopy through non-native removal and halo thinning along the burn to create light	0	1.39
Cia-aig north	Critical	Deer control	1.3	0
Cam Bealach	Threatened	Deer control and fell SS	0	2.43
Allt Mhuic entrance	Threatened	Deer control	0	0.7
Allt Cheanna Mhuir	Threatened	Deer control. Regen occurring within hydro fence	0	7.1
Allt na Molaich	Threatened	Deer control	0	4.0
Cia-aig forest entrance	Threatened	Deer control	0	1.6
Total			2.4	17.22

Clunes & Loch Arkaig ASNW

Author: Catriona MacLennan
Scale @ A1: 1:25,000
Date: 23/04/2024

Legend

ASNW

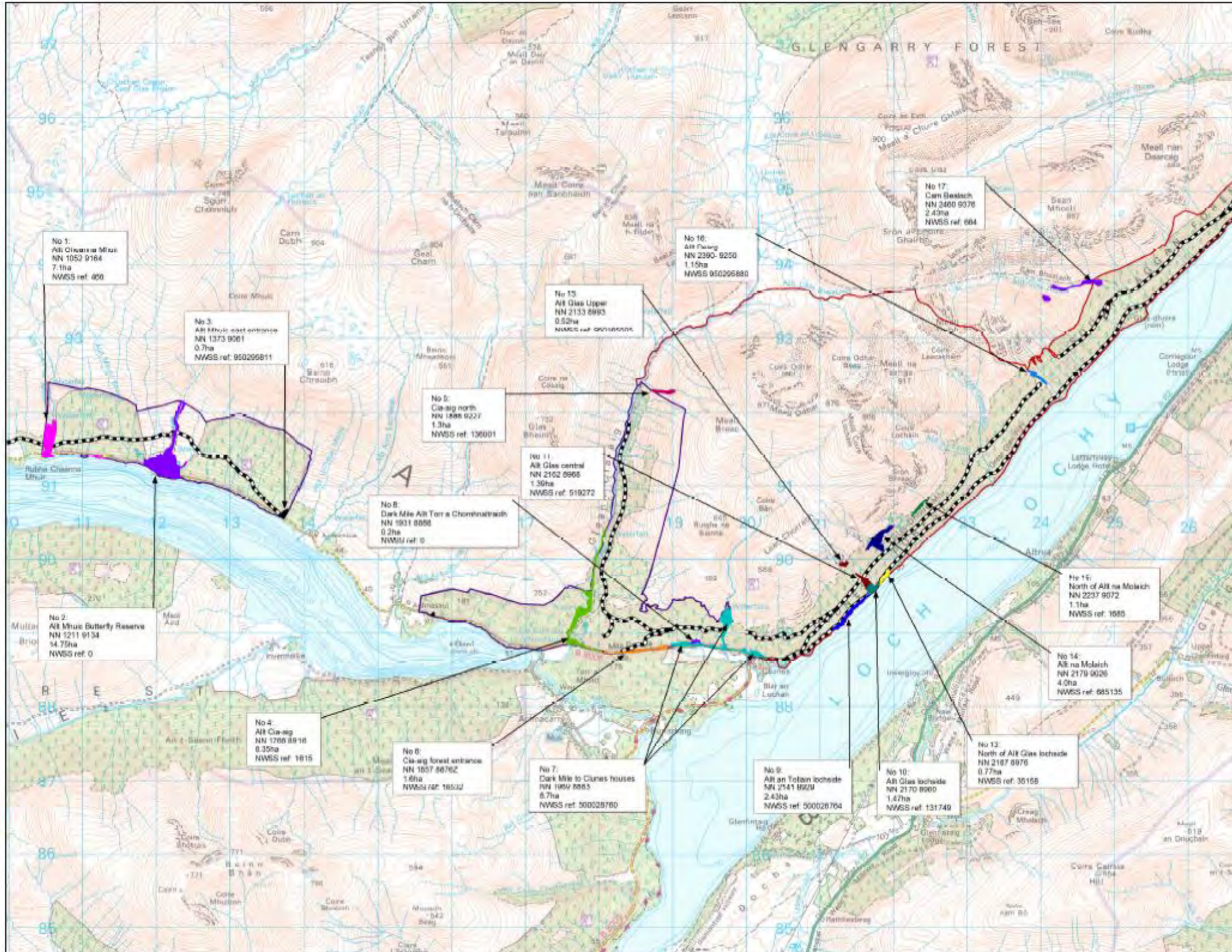
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- 500026511
- 500026800

Blocks

- Clunes
- Loch Arkaig

Forest Roads

- Forest Roads



0 0.2250.45 0.9 1.35 1.8 km

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