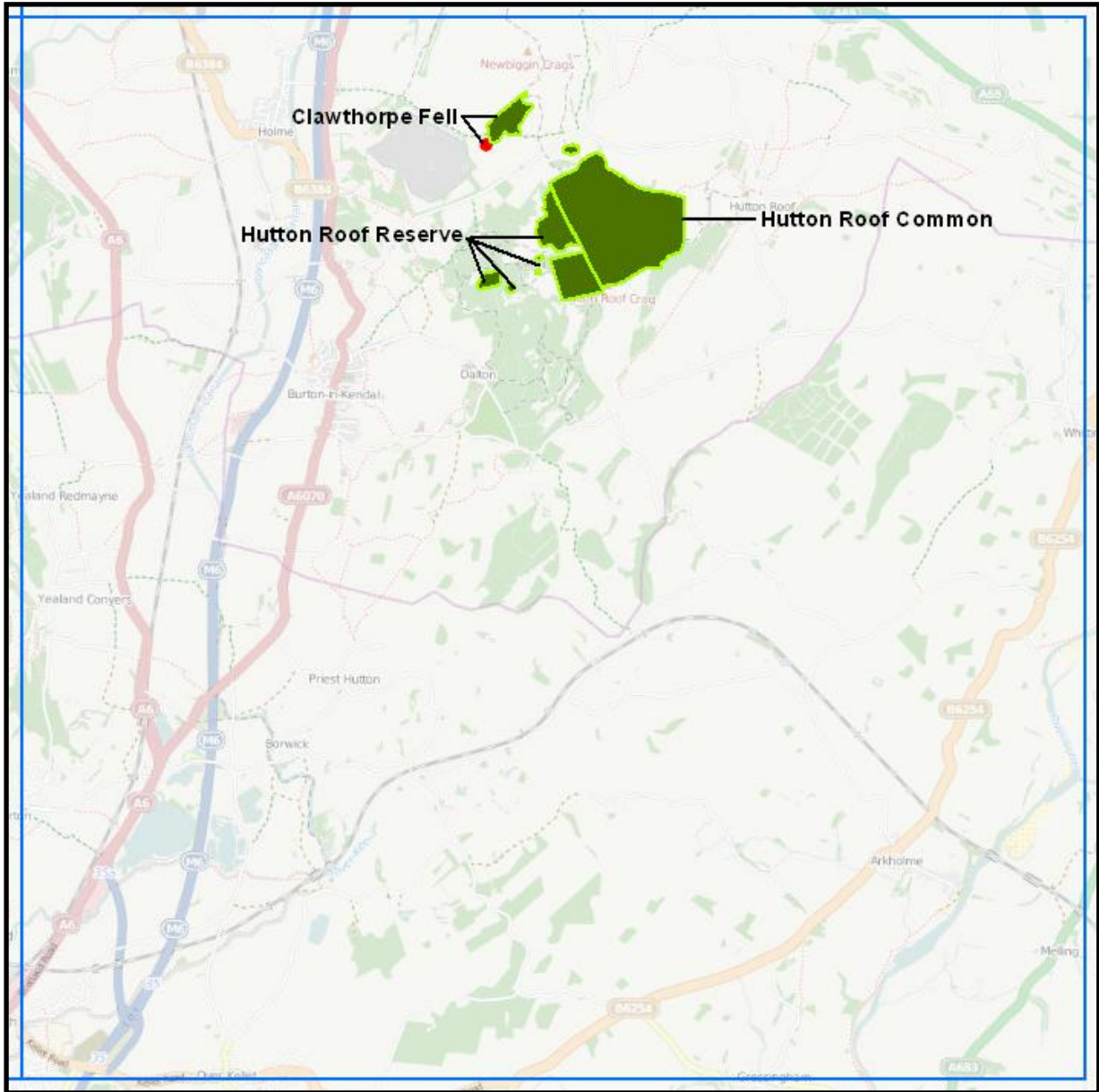


SD57



Sites List:

- | | |
|---------------|---------------------|
| Jun-SD5479-01 | Clawthorpe Fell |
| Jun-SD5577-01 | Hutton Roof Reserve |
| Jun-SD5578-01 | Hutton Roof Common |



Uplands for Juniper Project – Survey Form

1. Site details

Site Name: Clawthorpe Fell	Equiv. L. Ward site (s): Clawthorpe Total
Site Ref. code: Jun-SD5479-01	Survey date: 06/04/2013
Recorder name (s): D. Benham and B. King	Cent. grid ref: SD5459 7905
Valley / area: Holme	Altitude: 140m – 210m
Aspect: 225 degrees	Ownership:

2. Stand area:

- a) Have you changed the boundaries of the stand on the survey map?
Yes
- b) GPS number and track name / label?
N / A
- c) Area of sub stands and total area?

Sub stand	A									Total
Area	9.38									9.38ha
Confidence	4									4

3. Plant numbers and Juniper sub-species?

Ssp...J.c.comm...

Sub stand	A									Total
Count	856									856
Method	WT									WT
Confidence	M									M

4. Dominant Vegetation ...woodland and scrub.....

Other habitats / vegetation types present:

acid grassland	wet grassland / rushes
<u>dry heath</u>	wet heath / mire
<u>Limestone grassland</u>	Bracken
Scree	Outcrop / cliff
Limestone scree	<u>Limestone outcrop / cliff</u>
Woodland	

5. Grazing / browsing (circle appropriate grazing animal)?

Sheep Cattle Red Deer Other Rabbits.....

Indicators of high grazing / browsing pressure?

Heather, holly and yew tightly browsed and topiarised. Rabbits mostly responsible to the north of the site. Juniper lightly browsed or unbrowsed.

6. Other threats: Shading by gorse and a mixture of other trees and scrub.

Extensive gorse alongside juniper could increase risk of fire damage to juniper.

7. Juniper age:

Estimate Percentage					
seedling	young	mature	old	Ill	Dead
	1	35	40	14	10
Comments: Most of the old, ill or dead bushes at the southern end of the site.					

Are fruit bearing trees present? Yes / no

8. Fixed point photography: Insert Grid reference and compass bearing fixed point photos.

Photo label / Number	Grid Ref.	Comp. bearing	Magnification	Description of fixed point
Jun-SD5479-01A		NNE		Old juniper with tree regeneration within its canopy
Jun-SD5479-01B		E		Sick looking juniper. Ash regenerating within its canopy
Jun-SD5479-01C		S		Dying / dead juniper amongst holly.

9. Comments (associated flora and fauna, survey / access difficulties?):

A high walled and gated area NE of Holme Park (Clawthorpe) Quarry. Junipers with a variety of growth forms were found only in the northern half of the walled enclosure, as large, old gorse and a mixture of other trees out-competed them to the less exposed south. Most grazing at the northern end was by rabbits, with many droppings and some rabbit bones here. Nearer the walls to the south there was a mixture of stunted holly, yew, hazel, ash and hawthorn, which were all competing with the juniper. Holly and yew was sometimes browsed to topiary shapes but the juniper had little or no grazing. Small clumps of heather, swamped by *Sesleria albicans* were tightly browsed down by the rabbits. Around a third of junipers in the centre and south of the stand, were dying or dead, while many others on the more exposed ground looked healthy.



Uplands for Juniper Project – Survey Form

1. Site details

Site Name: Hutton Roof Reserve	Equiv. L. Ward site (s): Hutton Plover, Claw and Lancelot
Site Ref. code: Jun-SD5577-01	Survey date: 31/03/2013
Recorder name (s): B. Crooks, O. Fulton, A. and C. Dale	Cent. grid ref: SD5502 7769
Valley / area: Burton in Kendal	Altitude: 120m – 260m
Aspect: 270 degrees	Ownership:

2. Stand area:

- b) Have you changed the boundaries of the stand on the survey map?
Yes
- d) GPS number and track name / label?
N / A
- e) Area of sub stands and total area?

Sub stand	A									Total
Area	30.8									30.8 ha
Confidence	3									3

3. Plant numbers and Juniper sub-species?

Ssp...*J.c.comm*

Sub stand	A									Total
Count	3872									3872
Method	WT									WT
Confidence	H									H

4. Dominant Habitat / Vegetation ...Limestone outcrop.....

Other habitats / vegetation types present:

<u>acid grassland</u>	wet grassland / rushes
<u>dry heath</u>	wet heath / mire
<u>Limestone grassland</u>	<u>Bracken</u>
Scree	Outcrop / cliff
<u>Limestone scree</u>	Limestone outcrop / cliff
<u>Woodland</u>	

5. Grazing / browsing (circle appropriate grazing animal)?

Sheep Cattle Red Deer Other Roe deer

Indicators of high grazing / browsing pressure?

Juniper unbrowsed but other trees including yew heavily browsed.

6. Other threats: Shading from tall trees.

7. Juniper age:

Estimate Percentage					
seedling	young	mature	old	Ill	Dead
13%	21%	16%	51%	12%	7%
Comments: 15% with berries.					

Are fruit bearing trees present? Yes / no

8. Fixed point photography: Insert Grid reference and compass bearing fixed point photos.

Photo label / Number	Grid Ref.	Comp. bearing	Magnification	Description of fixed point

9. Comments (associated flora and fauna, survey / access difficulties?):

Almost all 'seedlings' and 'young' were a result of layering bushes, which seems to be unusually common at this site. All ill and dead bushes were the result of shading by tall trees.



Uplands for Juniper Project – Survey Form

1. Site details

Site Name: Hutton Roof Common	Equiv. L. Ward site (s): Hutton Uberash and Hutton Plover
Site Ref. code: Jun-SD5578-01	Survey date: 31/10/2013
Recorder name (s): B. Crooks, O. Fulton, A. and C. Dale	Cent. grid ref: SD5559 7804
Valley / area: Burton in Kendal	Altitude: 180m – 270m
Aspect: Variable	Ownership:

2. Stand area:

- c) Have you changed the boundaries of the stand on the survey map?
Yes
- f) GPS number and track name / label?
N / A
- g) Area of sub stands and total area?

Sub stand	A									Total
Area	95.75									95.75ha
Confidence	2									2

3. Plant numbers and Juniper sub-species?

Ssp...*J.c.comm*

Sub stand	A									Total
Count	12671									12671
Method	WT									WT
Confidence	M									M

4. Dominant Habitat / Vegetation ...Limestone outcrop.....

Other habitats / vegetation types present:

<u>acid grassland</u>	wet grassland / rushes
dry heath	wet heath / mire
<u>Limestone grassland</u>	<u>Bracken</u>
Scree	Outcrop / cliff
<u>Limestone scree</u>	Limestone outcrop / cliff
<u>Woodland</u>	

5. Grazing / browsing (circle appropriate grazing animal)?

Sheep Cattle Red Deer Other ...Roe deer, few rabbits

Indicators of high grazing / browsing pressure?

Sheep grazing sporadic and in very small numbers.

6. Other threats: Shading from tall trees and thicket stage ash and hazel.

7. Juniper age:

Estimate Percentage					
seedling	young	mature	old	Ill	Dead
8%	32%	15%	44%	11%	5%
Comments: 20% with berries.					

Are fruit bearing trees present? Yes / no

8. Fixed point photography: Insert Grid reference and compass bearing fixed point photos.

Photo label / Number	Grid Ref.	Comp. bearing	Magnification	Description of fixed point

9. Comments (associated flora and fauna, survey / access difficulties?):

Almost all 'seedlings' and 'young' were a result of layering bushes, which seems to be unusually common at this site. All ill and dead bushes were the result of shading by tall trees.