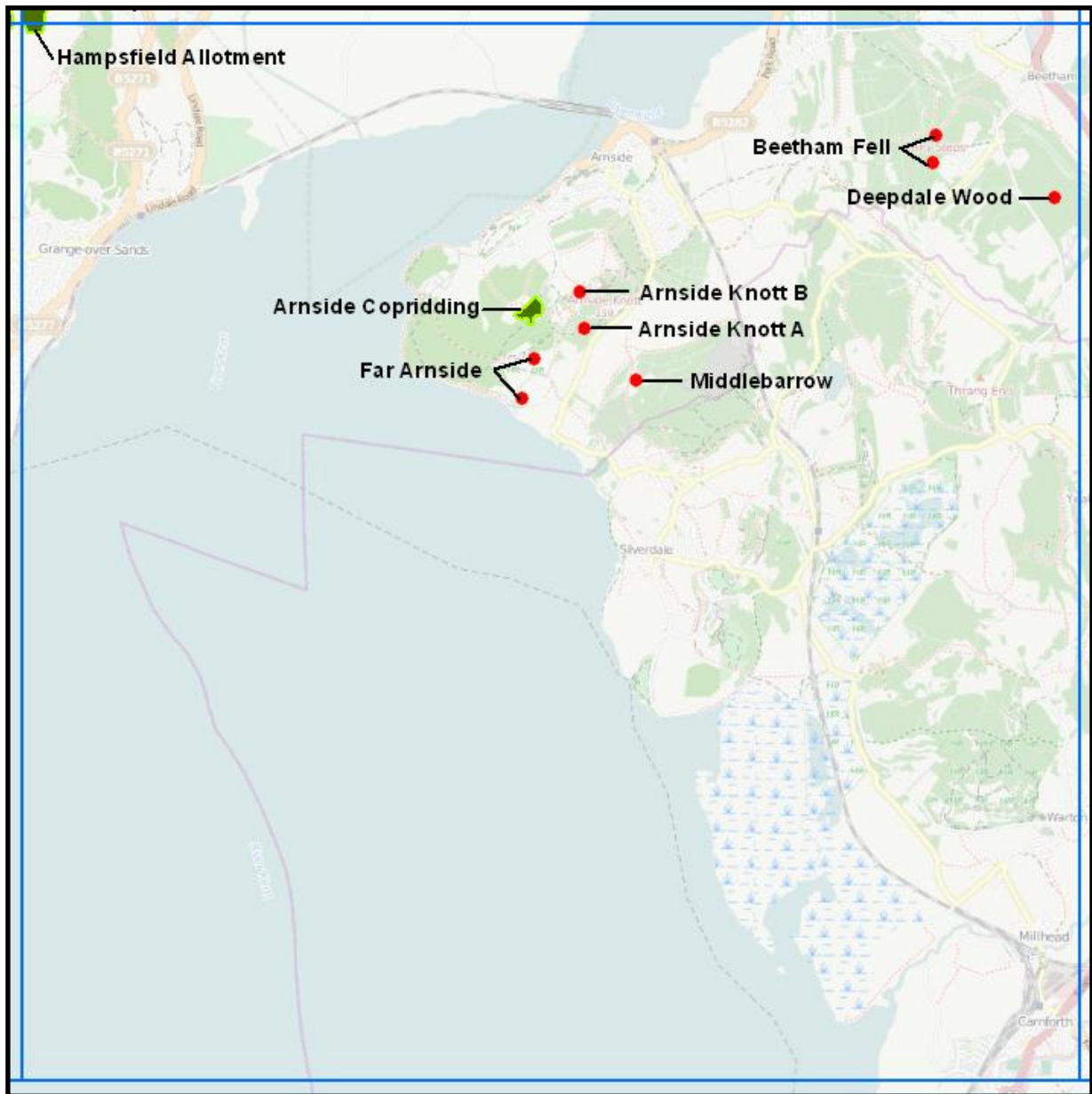


SD47



Sites List:

ExJ-SD4476-01	Far Arnside
Jun-SD4080-01	Hampsfield Allotment
Jun-SD4477-01	Arnside Copriding
Jun-SD4576-01	Middlebarrow
Jun-SD4577-01	Arnside Knott A
Jun-SD4577-02	Arnside Knott B
Jun-SD4878-01	Beetham Fell
Jun-SD4978-01	Deepdale Wood



Uplands for Juniper Project – Survey Form

1. Site details

Site Name: Hampsfield allotment	Equiv. L. Ward site (s): Hampsfield Allotment SW, NW, NE, SE
Site Ref. Code: Jun-SD4080-01	Survey date: 02/01/2012
Recorder name (s): P&C Matthiessen	Cent. grid ref: SD400-802
Valley / area: Field Broughton/Carmel	Altitude: 130 – 190m
Aspect: NE/NW	Ownership:

2. Stand area:

- a) Have you changed the boundaries of the stand on the survey map? No
- b) GPS number and track name / label? No tracks recorded
- c) Area of sub stands and total area?

Sub stand	A	B								Total
Area	4.5	10.8								15.3Ha
Confidence	Med	Med								

3. Plant numbers and Juniper sub-species?

Ssp...Common Juniper

Sub stand	A	B							Total
Count	78	300-400							378-478
Method	Direct	Direct							VP
Confidence	High	Medium							Medium

4. Dominant Vegetation ...Limestone Grassland & Ash/Holly open woodland

Other vegetation types present:

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

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

Sheep Cattle Red Deer Other Roe Deer

Indicators of high grazing / browsing pressure?

Medium grazing pressure from deer.

6. Other threats: Most of the area was covered by Conifer plantation until about 7 years ago, when it was clear-felled.

7. Juniper age:

Estimate Percentage					
seedling	young	mature	old	Ill	Dead
		80%	10%	15%	
Comments: Die-back occurring where exposed to prevailing wind.					

Are fruit bearing trees present? Yes / no (approx. 15%)

8. Fixed point photography: Insert Grid reference and compass bearing fixed point photos. NO PHOTOS TAKEN

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

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

The general impression is that the Juniper stand once covered a wider area but that the old conifer plantation (now felled) probably shaded out a lot of Junipers & caused them to die. The highest density of Juniper is in the SE part of sub-stand B which consists largely of Limestone pavement and would not therefore have been planted with conifers.

Access to parts of the Limestone pavement is difficult, hence the count for sub-stand B is not very accurate.



Uplands for Juniper Project – Survey Form

1. Site details

Site Name: Arnside Copriding	Equiv. L. Ward site (s): Arnside Copriding
Site Ref. code: Jun-SD4477-01	Survey date: 30/08/2012
Recorder name (s): P and C Matthiessen	Cent. grid ref: SD 4480 7727
Valley / area: Arnside	Altitude: 60m – 80m
Aspect: 310 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	3.46									3.46ha
Confidence	5									5

3. Plant numbers and Juniper sub-species?

Ssp...comm

Sub stand	A									Total
Count	262									262
Method	WT									WT
Confidence	M									M

4. Dominant Vegetation ...Limestone grassland.....

Other habitats / vegetation types present:

- | | |
|---------------------|---------------------------|
| acid grassland | wet grassland / rushes |
| dry heath | wet heath / mire |
| Limestone grassland | <u>Bracken</u> |
| Scree | Outcrop / cliff |
| Limestone scree | 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?

Appears to be low impact cattle grazing.

6. Other threats:

Shading, but some coppicing completed recently.

7. Juniper age:

Estimate Percentage					
seedling	young	mature	old	Ill	Dead
X	<5%	55%	35%	X	<10%
Comments: Some older trees very tall. More than 50% fruiting					

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-SD4477-01A	SD448774	W - SW		Very tall juniper

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

Although no seedlings were found this stand appears to be in reasonable condition, and recent coppicing and felling work may encourage some natural regeneration. Lena Ward estimated 320 junipers at this site, so it is likely that there has been a moderate decline in juniper at this site. The tall growth of some of the old juniper suggests that shading by other trees may have been the prime cause.



Uplands for Juniper Project – Survey Form

1. Site details

Site Name: Arnside Knott A	Equiv. L. Ward site (s): Arnside Knott (part of)
Site Ref. code: Jun-SD4577-01	Survey date: 30/08/2012
Recorder name (s): P and C Matthiessen	Cent. grid ref: SD 4532 7712
Valley / area: Arnside	Altitude: 90
Aspect: 135	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	-									-
Confidence	5									5

3. Plant numbers and Juniper sub-species?

Ssp...comm

Sub stand	A									Total
Count	17									17
Method	WT									WT
Confidence	H									H

4. Dominant Vegetation ...woodland.....

Other habitats / vegetation types present:

- | | |
|---------------------|---------------------------|
| acid grassland | wet grassland / rushes |
| dry heath | wet heath / mire |
| Limestone grassland | Bracken |
| Scree | Outcrop / cliff |
| Limestone scree | Limestone outcrop / cliff |
| Woodland | |

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

Sheep Cattle Red Deer Other

Indicators of high grazing / browsing pressure?

6. Other threats: Shading by tall trees

7. Juniper age:

Estimate Percentage					
seedling	young	mature	old	Ill	Dead
Comments: No details on age classes or degree of fruiting					

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?):

Small, shaded stand.



Uplands for Juniper Project – Survey Form

1. Site details

Site Name: Arnside Knott B	Equiv. L. Ward site (s): Arnside knott (part of)
Site Ref. code: Jun-SD4577-02	Survey date: 30/08/2012
Recorder name (s): P and C Matthiessen	Cent. grid ref: SD 4528 7746
Valley / area: Arnside	Altitude: 120m – 120m
Aspect: 360 degrees	Ownership:

2. Stand area:

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

Sub stand	A									Total
Area	-									-
Confidence	5									5

3. Plant numbers and Juniper sub-species?

Ssp...J.c.comm

Sub stand	A									Total
Count	2									2
Method	WT									WT
Confidence	H									H

4. Dominant Vegetation ...Limestone Grassland.....

Other habitats / vegetation types present:

- | | |
|---------------------|---------------------------|
| acid grassland | wet grassland / rushes |
| dry heath | wet heath / mire |
| Limestone grassland | Bracken |
| Scree | Outcrop / cliff |
| Limestone scree | Limestone outcrop / cliff |
| Woodland | |

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

Sheep Cattle Red Deer Other

Indicators of high grazing / browsing pressure?

May have been overgrazed in the past.

6. Other threats:

7. Juniper age:

Estimate Percentage					
seedling	young	mature	old	Ill	Dead
Comments: No details on age or fruit bearing					

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?):