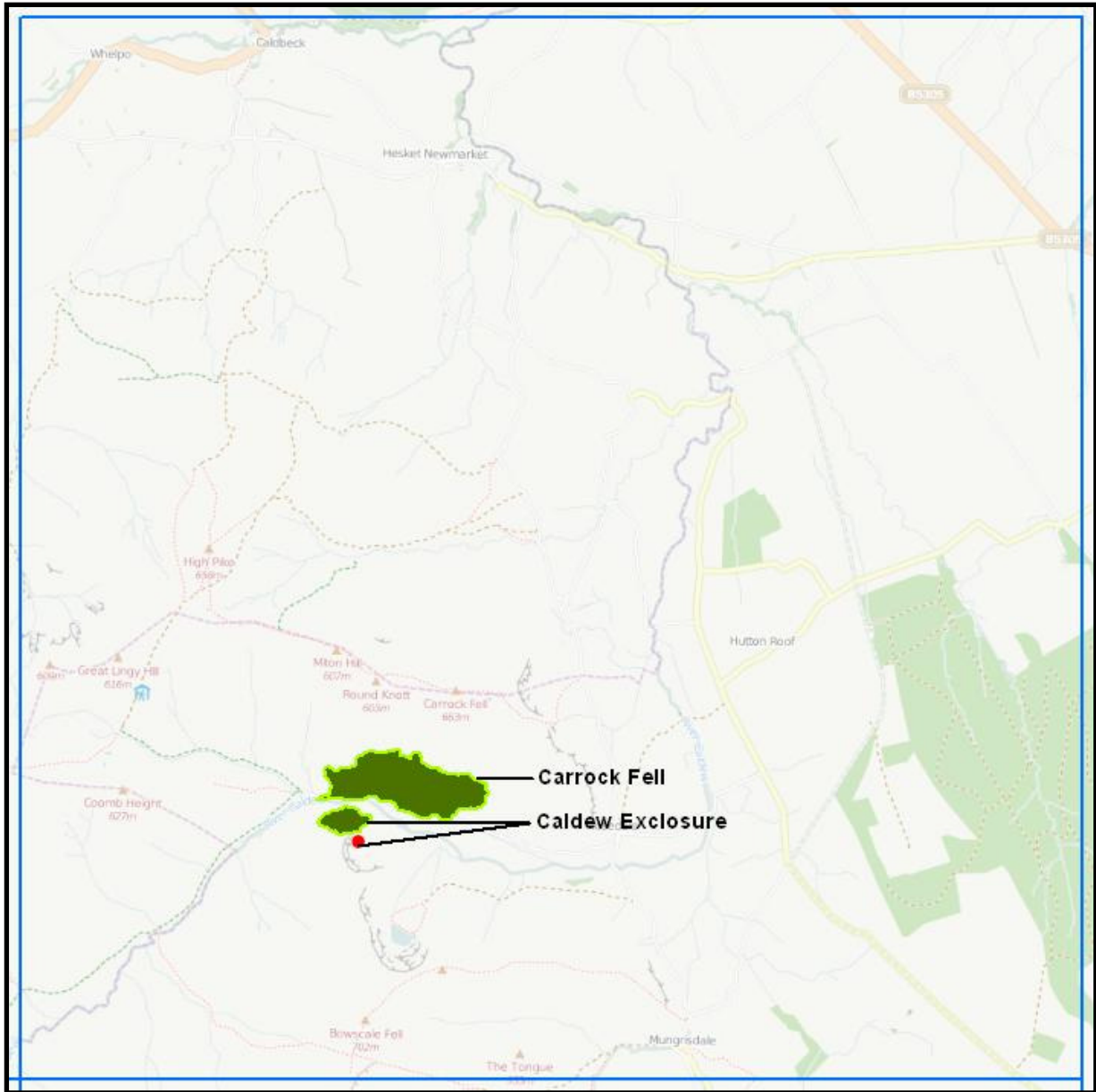


NY33



Sites List:

- | | |
|---------------|------------------|
| Jun-NY3332-01 | Carrock Fell |
| Jun-NY3332-02 | Caldew Exclosure |



Uplands for Juniper Project – Survey Form

1. Site details

Site Name: Carrock Fell	Equiv. L. Ward site (s): Carrock B, D and E
Site Ref. Code: Jun-NY3332-01	Survey date: 04/11/2011
Recorder name (s): M. Douglas, D. Greaves	Cent. grid ref: NY33580 32780
Valley / area: Caldbeck Commons	Altitude: 200 – 500m
Aspect: 180 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?
- c) Area of sub stands and total area?

Sub stand	A									Total
Area	60.7									60.7ha
Confidence	5									5

3. Plant numbers and Juniper sub-species?

Ssp...comm.....

Sub stand	A									Total
Count	7558									7558
Method	VP photo									VP photo
Confidence	L									L

4. Dominant Vegetation/ habitat ...dry heath.....

Other vegetation / habitats present:

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

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

Sheep Cattle Red Deer Other

Indicators of high grazing / browsing pressure?

Difficult to find signs of juniper browsing. Some areas dominated by *Nardus stricta* and others by *Juncus squarrosus*. Heavy browsing of *Calluna* but not *Erica cinerea*.

6. Other threats: Two cotoneaster (upright growth form) at eastern end of stand

7. Juniper age:

Estimate Percentage					
seedling	young	mature	old	Ill	Dead
present	present	present	present	None seen	present
Comments: >80% of trees old. The remainder mostly young and seedling rather than mature trees.					

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-NY3332-01A	NY33057 32353	15 degrees		Western end of stand
Jun-NY3332-01B	NY33057 32311	58 degrees		Eastern end of stand
Jun-NY3332-01C	NY33979 32894	270 degrees		Oblique photo of slope showing high altitude boundary

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

Associated trees: holly, hawthorn, rowan, Scot's pine, birch gorse. Juniper grades into dry heath at high altitude boundary, gorse at SE end and acid grass and bracken elsewhere.



Uplands for Juniper Project – Survey Form

1. Site details

Site Name: Caldew Exclosure	Equiv. L. Ward site (s): Carrock D (part of)
Site Ref. Code: Jun-NY3332-02	Survey date: 22/11/2011
Recorder name (s): Mike Douglas	Cent. grid ref: NY33040 32440
Valley / area: Caldbeck Commons	Altitude: 280 – 400m
Aspect: 359 degrees	Ownership:

2. Stand area:

- b) Have you changed the boundaries of the stand on the survey map?
Yes (drawn boundary does not follow fenceline)
- d) GPS number and track name / label?

- e) Area of sub stands and total area?

Sub stand	A									Total
Area	8.5									8.5ha
Confidence	5									5

3. Plant numbers and Juniper sub-species?

Ssp...comm.....

Sub stand	A									Total
Count	1024									1024
Method	VP photo									VP photo
Confidence	M									M

4. Dominant Vegetation/ habitat ...acid grassland.....

Other vegetation / habitats present:

acid grassland	<u>wet grassland / rushes</u>
dry heath	<u>wet heath / mire</u>
Limestone grassland	<u>Bracken</u>
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?

No signs of browsing on juniper but sheep are gaining access to exclosure and possible red deer pellets were found.

6. Other threats:

7. Juniper age:

Estimate Percentage					
seedling	young	mature	old	Ill	Dead
present	present	present	present	None seen	Present
Comments: 20% young (planted?), 30% mature and 50% old.					

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-NY3332-02A	NY32990 32929	169 degrees		Whole stand photo taken from across valley.

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

Appears to be at least 200 planted juniper which are now young trees. Most of these have been planted above the older trees, within the enclosure.