

# Opportunity to Purchase Pending Issuance Units

## Bellingham in Northumberland

### Project Highlights

- Proposed woodland is 6.2 hectares of native mixed broadleaf trees.
- The woodland is expected to sequester 3,798 tons/CO<sub>2</sub>e over the next 100 years.
- Part of the Kielder Forest Red Squirrel Zone.

# Project Background

The Estate surrounding the proposed woodland was bought by one of the UK's oldest Charities in 2016. Having previously been managed as a traditional upland sheep farm, the Charities Trustees are now working with the farm occupier to enhance the ecology and biodiversity across the whole Estate.

This requires new approaches to managing the land. It is now farmed less intensively with native bred livestock becoming the mainstay. There is a greater emphasis on working towards a better farmed environment focusing on conserving and enhancing the riches of nature and the landscape. An estate scale program is underway to improve the woodland management replacing commercial timber plantations with traditional species, native to the area as well and providing new woodland parcels to achieve an enhanced mosaic of habitat.

*Projected Carbon Sequestration Volumes over Project's Life Cycle*

| Verification: years since start date | Vintage start date | Vintage end date | Total PIUs in vintage to be listed | PIUs to Buffer | PIUs to Project |
|--------------------------------------|--------------------|------------------|------------------------------------|----------------|-----------------|
| 5                                    | 01 April 2021      | 31 March 2026    | 42                                 | 8              | 34              |
| 15                                   | 01 April 2026      | 31 March 2036    | 720                                | 144            | 576             |
| 25                                   | 01 April 2036      | 31 March 2046    | 1277                               | 256            | 1021            |
| 35                                   | 01 April 2046      | 31 March 2056    | 1051                               | 210            | 841             |
| 45                                   | 01 April 2056      | 31 March 2066    | 594                                | 119            | 475             |
| 55                                   | 01 April 2066      | 31 March 2076    | 349                                | 70             | 279             |
| 65                                   | 01 April 2076      | 31 March 2086    | 234                                | 46             | 188             |
| 75                                   | 01 April 2086      | 31 March 2096    | 167                                | 34             | 133             |
| 85                                   | 01 April 2096      | 31 March 2106    | 152                                | 30             | 122             |
| 95                                   | 01 April 2106      | 31 March 2116    | 113                                | 23             | 90              |
| 100                                  | 01 April 2116      | 31 March 2121    | 49                                 | 10             | 39              |
| <b>Total</b>                         |                    |                  | <b>4748</b>                        | <b>950</b>     | <b>3798</b>     |



## Basic Details of the Planting Scheme

The proposed planting scheme fits neatly around these wider objectives. In total, 6.2 hectares of woodland will be planted across five parcels, ranging in size from 0.4 hectares up to 2.82 hectares. Some of the parcels will replace upland grazed pasture (see photographs) others will flank the Broomhope Burn a major tributary of the River Rede as a buffer to support infiltration, reduce the flow of water run-off hence reduce flood, erosion and nitrates entering the River which runs the western boundary of the Estate.

The tree species have been carefully chosen to reflect those native to the area. Accordingly, alder, which thrives in damp, riverside settings will be planted on the burnside. By providing shade to the water, this stabilises the water temperature, improving the habitat for spawning migratory fish such as Salmon and Sea Trout.

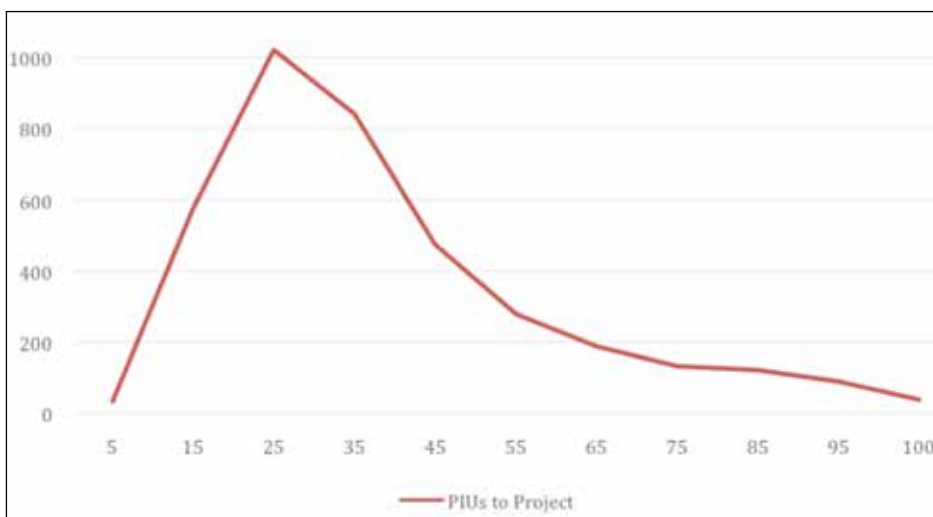
In the other parcels, Birch, Rowan and Oak have been chosen to reflect species which are native to upland Northumberland. The Estate forms part of Kielder Forest Red Squirrel Zone and these small-seeded broadleaves will provide both the ideal food and habitat for this threatened indigenous mammal.



**The proposed woodland will improve the habitat of spawning salmon.**

## Carbon Sequestration Capacity

Once the young trees are properly established, the charity intends to let nature takes its course, through a "light touch" management regime. With the local ground being medium-grade yield class, the trees are expected to sequester 3,798 tons/CO<sub>2</sub>e over the next 100 years (see table opposite). For those conscious of a timeline for achieving net zero, 84% of these units will be sequestered within the next 55 years.



Graph shows the timing for delivery of Woodland Carbon Units from the Proposed Scheme



## Accessibility and the Scheme's Location

The Estate is deep in the Northumbrian countryside, just north of Hadrian's Wall and due east of Kielder Forest (see *map below*). Despite its rural location, it is highly accessible being 30 miles from Newcastle, 70 miles from Edinburgh and just 3 hours, by train, from London. The charity would by appointment welcome investors of the scheme to enjoy and appreciate their ecological improvements.

For more information on this project, just get in touch:

Call us: **01786 649387**

Email us: **[info@carbonstoreuk.com](mailto:info@carbonstoreuk.com)**

**[www.carbonstoreuk.com](http://www.carbonstoreuk.com)**

