

## INVITATION TO TENDER

### Upper River Spey Habitat Enhancement; Large Woody Structure Installation

#### *Provision of Contractor Services*



**Date:** 25 July 2022



## **1. Summary**

The project aims to install Large Woody Structures (LWS) i.e. whole felled trees with root plates, in the upper Spey on Glenshero Estate. By encouraging more natural hydro-morphology and improving in stream habitats, the LWS will have lasting benefits for fish and the wider hydro-morphology and ecology of the river.

## **2. Project Outline and Objectives**

Long term monitoring by the Spey Fishery Board (SFB) has indicated that salmonid numbers and productivity are low in the upper Spey compared to similar tributaries. This is linked to limited passability of the Spey Dam to migratory fish. However as significant upgrading of the fish pass at the dam is being implemented over the next two years, it is important to optimise upstream habitat now, ready to support the anticipated increased usage by salmonid fish. The structures mimic natural dead wood, increasing physical diversity of flow patterns and sediment deposition in the river channel.

## **3. Background Information**

Following initial an initial scoping survey by SCI, cbec Eco-engineering were appointed to undertake a detailed walkover survey of target reaches of the upper Spey between Garva Bridge and the Shesgnan Burn confluence. GIS referenced maps of 144 specific locations for installation of LWS have been produced, along with tables indicating the positioning and type of structure for each location, photographs of each site, and a priority rating. This information is all contained in the accompanying report.

Reach 1 is excluded from this contract due to the advice that structures in this reach are likely to offer less benefit compared to downstream reaches, and also due to operational challenges in this area. We are aiming to install as many LWS as possible in Reaches 2, 3, 4, and between 3 and 4, within strict limitations of the budget available. LWS marked as low priority (shown in green on the maps) are to be excluded.

Landowner agreement for placement of LWS has been obtained.

## **4. Contract Requirements**

Works to be carried out in accordance with the design and maps in the Glenshero Large Woody Structures report, 14<sup>th</sup> July 2022, cbec Eco-engineering.

(NB this is a draft report. The finalised report will be forwarded to the successful contractor once available, however no significant changes are anticipated.)

We are looking to install the LWS mapped in Reaches 4, 3, between 4 and 3, and 2 (excluding low priority LWS marked in green), in approximately that order of priority, totalling 65 structures as per Table 1 below. Each structure will require between 1 and 5 trees depending on tree size and the width of the channel (see Section 4 of report) with an estimated average of three trees per structure.

**Table 1 – LWS to be included in Contract**

| Reach           | Length (km) | Number of LWS | Structure number referenced on maps in Appendix A, cbec report |
|-----------------|-------------|---------------|--|
| 4               | 0.7         | 15            | 100 - 114  |
| Between 4 and 3 | 1.1         | 16            | 84 - 99  |
| 3               | 0.5         | 11            | 73 – 83  |
| 2               | 1.3         | 23            | 65 – 53, 51, 49 – 42, 40                                       |
| <b>Total</b>    | <b>3.6</b>  | <b>65</b>     |  |

The number of structures actually installed may be subject to adjustment either up or down depending on costs quoted, and will be agreed with the successful contractor and clearly stated in the Contract.

We are looking to award a Contract for the following:

- 4.1 Extract coniferous trees from within the areas of woodland marked in orange or red on the maps in Appendix 1. Exact trees to be harvested to be agreed with Glenshero Estate staff/SCI on site during operations. Trees to be extracted whole and in one piece with root plate attached.  
NB selected trees will be a mixture of standing and windblown trees.
- 4.2 Trim to length of 9 - 10m or more as per cbec Report section 4. Living or recently windblown trees are preferred. Up to five trees may be needed for each placement site depending on their trunk diameter and the size of the root plate.
- 4.3 Transport trees carefully to specified locations at river bank as indicated by maps, grid references, GIS locations and photos in Report, using pre-agreed routes and taking care to minimise damage. Assistance with identifying and marking placement locations will be given on site by SCI staff.
- 4.4 Place trees in river and secure into river bank or river bed at specified orientation and depth following design specification in Section 4 and diagrams in Appendix B of cbec report, and detailed on-site direction from SCI. Excavation of bank or river bed to partially bury trees, and anchoring with large boulders will be necessary. Boulders to be sourced from river banks where possible, or from other agreed sites in the close vicinity.
- 4.5 Repair any significant damage to site including river banks and access routes.

This contract will be let by the Spey Fishery Board (SFB) on behalf of SCI.

SCI staff member(s) will be available for an onsite meeting on commencement of the contract and at frequent intervals throughout as required.

Due to the conditions of project funding and the need to complete in stream works by the end of September 2022 before the start of the fish breeding season, prompt completion of this contract as detailed below is essential.

### **Site Set Up**

The Contractor shall complete site set-up works including signage, permits, welfare and any health and safety requirements at the works area as per industry requirements and best practice.

### **Material Storage and Waste**

The Contractor shall be responsible for transporting materials and equipment to the Works area, minimising vehicle movements as much as possible. The Contractor is responsible for any waste arising from the works. No waste can be left onsite during and in particular following the works.

### **Health and Safety**

The Contractor must be fully aware of and comply with the obligations under the Health and Safety at Work etc. Act 1974, the current Construction Regulations and any other relevant health and safety regulations and appropriate codes of practice.

### **Access for works**

Permission for access on Glenshero Estate is in place, however day to day liaison with estate staff should be maintained and any instructions followed.

While it is accepted that the works will cause a degree of disruption, the contractor is expected to recognise the importance of minimising the impact due to construction activities, especially in the river channel. Particular care should be given to keeping gates closed when using the route through the young woodland scheme along Reach 2.

## **5. Client Contact Information**

Any supplier requiring further clarification on contract requirements should address their enquiries to:

Duncan Ferguson  
SFB Operations Manager  
Email: [d.ferguson@speyfisheryboard.com](mailto:d.ferguson@speyfisheryboard.com)  
Mobile: 07823 334747

Penny Lawson  
SCI Project Officer  
Email: [p.lawson@speyfisheryboard.com](mailto:p.lawson@speyfisheryboard.com)  
Mobile: 07909 533344

Any contractors who wish to view the site prior to submitting their tender should contact Duncan Ferguson to arrange a visit. Inspection of the site before tendering a quote is strongly recommended.

## 6. Timescales

| Activity                             | Date              |
|--------------------------------------|-------------------|
| Advertise/issue invitation to tender | 25 July 2022      |
| Tender return deadline (12.00 hours) | 11 August 2022    |
| Award contract                       | 16 August 2022    |
| Contract completion                  | 30 September 2022 |

## 7. Tender Requirements

Your tender should include itemised costs for the following:

1. Mobilisation/demobilisation of plant and equipment
2. Extraction, transport and installation of a total of 65 LWS located in Reaches 4, 3, between 4 and 3, and 2, including breakdown of staff and machinery time.
3. Price per day for extraction, transport and installation of additional LWS within or between Reaches specified above. Please include an estimate of number of LWS per day.

Please also provide:

1. Construction Method Statement – to include detail of procedures for tree harvesting, extraction, cutting and trimming, transportation to site, and construction of medial and bar apex Large Woody Structures.
2. Details of machinery/plant to be used
3. Timetable of works
4. Details of previous experience of similar contracts

Award of contract will require provision of:

- Valid certificate of employers and public liability insurance of not less than £5,000,000
- Risk Assessment
- Health and Safety Policy

Your tender submission should be sent by email to [p.lawson@speyfisheryboard.com](mailto:p.lawson@speyfisheryboard.com) by the deadline stated above.

## 8. Evaluation

Tenders will be evaluated against the following list of criteria.

| <b>Evaluation Criteria</b>  | <b>Weighting</b> |
|---|------------------|
| Schedule of Costs -Assessment of suppliers' costs / fees etc.   | <b>20%</b>       |
| Objectives and Scope of Service –Suppliers demonstrate their ability to fully meet the requirements detailed in this document and any annexes etc.<br><i>Sub Criteria</i> | <b>30%</b>       |
| - Interpretation of requirements  | 15%              |
| - Methods that best meet the project outcomes   | 15%              |
| Technical Knowledge of Proposed Personnel –<br><i>Sub Criteria</i>  | <b>20%</b>       |
| - Knowledge and experience of proposed staff  | 10%              |
| - Relevant project examples   | 10%              |
| Timetable –Suppliers demonstrate their ability to meet the contract timeframe indicated.  | <b>30%</b>       |

The client is not bound to accept the lowest or any quotation.

The client reserves the right to determine full and satisfactory completion.

## **9. Contract and Project Management**

| <b>Role</b>                                | <b>Organisation</b>   | <b>Contact details</b>   | <b>Duties</b>   |
|--|---|--|---|
| Client                                     | Spey Fishery Board (on behalf of Spey Catchment Initiative) | Contact via Penny Lawson   | Award contract on behalf of SCI.  |
| Project Manager                            | Spey Catchment Initiative                                   | Penny Lawson<br>07909 533344<br>p.lawson@speyfisheryboard.com  | Overseeing delivery of contract. Point of contact for queries regarding invoicing, payment and reporting.   |
| Designer                                   | Cbec Eco-engineering Ltd                                    | Contact via Penny Lawson   | Mapping and design of LWS placement. Technical advice.  |
| Ecological Clerk of Works/Site Supervision | Spey Catchment Initiative                                   | Duncan Ferguson<br>Operations Manager, Spey Fishery Board<br>07823 334747<br>d.ferguson@speyfisheryboard.com | Day to day on-site supervision and liaison with contractors on and off site. Liaison with estate staff. Ensuring compliance with conditions of permissions and adherence to environmental standards and good practice. Liaison with Project Manager for approval of any alterations |

|  |  |  |                                 |
|--|--|--|---------------------------------|
|  |  |  | to design, works schedule, etc. |
|--|--|--|---------------------------------|

## 10. Permissions, Consents and Constraints

Landowner – all works are within Glenshero Estate, who have given full permission. Permission to extract trees has also been granted by the Estate.

Felling licence – in place for woodland coupes indicated in orange and red on maps attached only, under Glenshero Long Term Forest Plan.

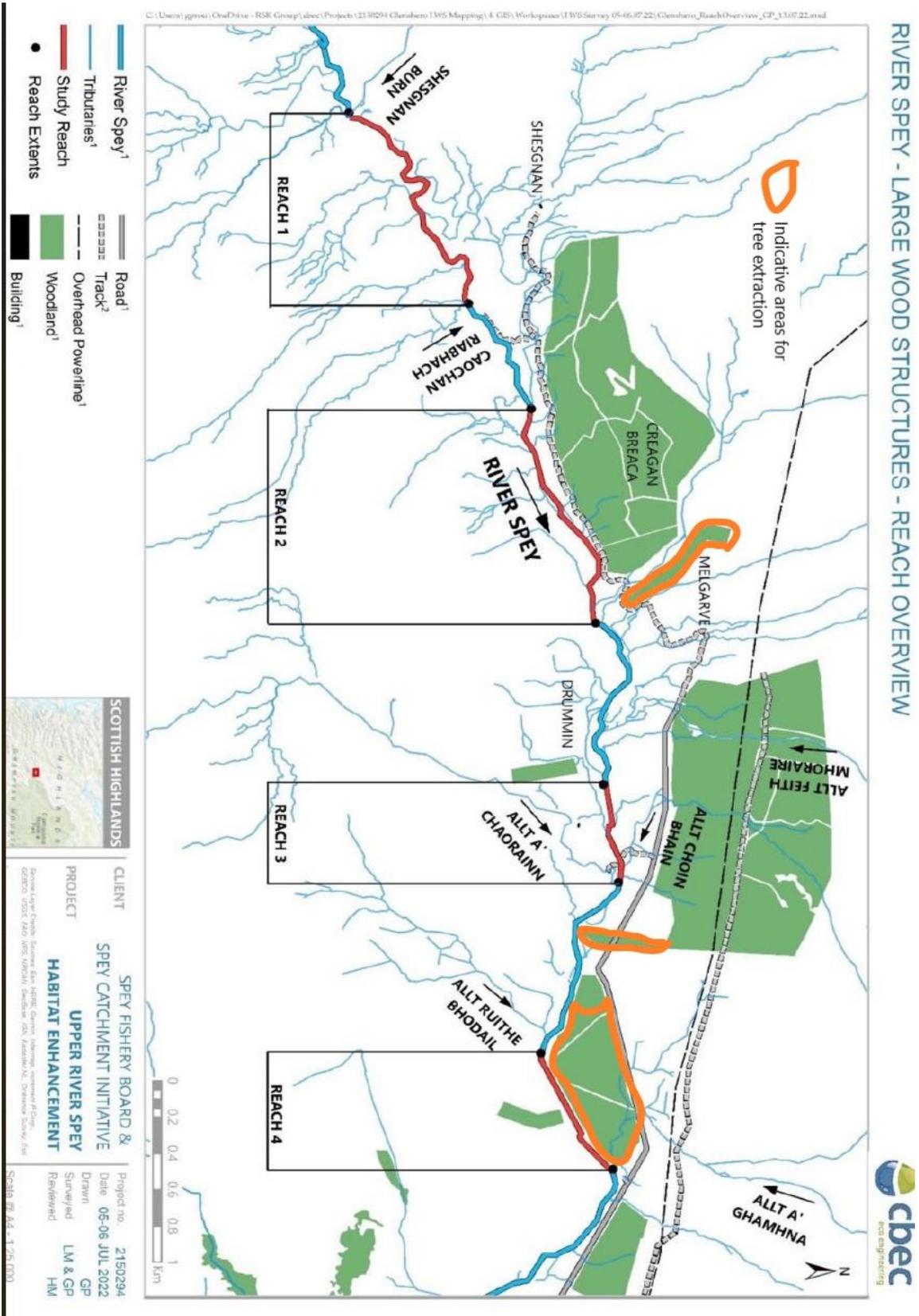
SEPA – have been notified of the works and have confirmed that licensing under Controlled Activities Regulations (CAR) is not required. All operations should comply with the relevant Pollution Prevention Guidelines (PPGs) produced by SEPA and other guidance relevant to the project.

Wildlife and Designations – Site is within the River Spey SAC and SSSI. Otter and Atlantic salmon are qualifying species likely to be affected. SCI will arrange an otter survey prior to groundworks, SFB will advise on protection of fish. All recommendations and conditions specified to be adhered to. Works to be completed by 30<sup>th</sup> September 2022 to avoid interference with fish migration.

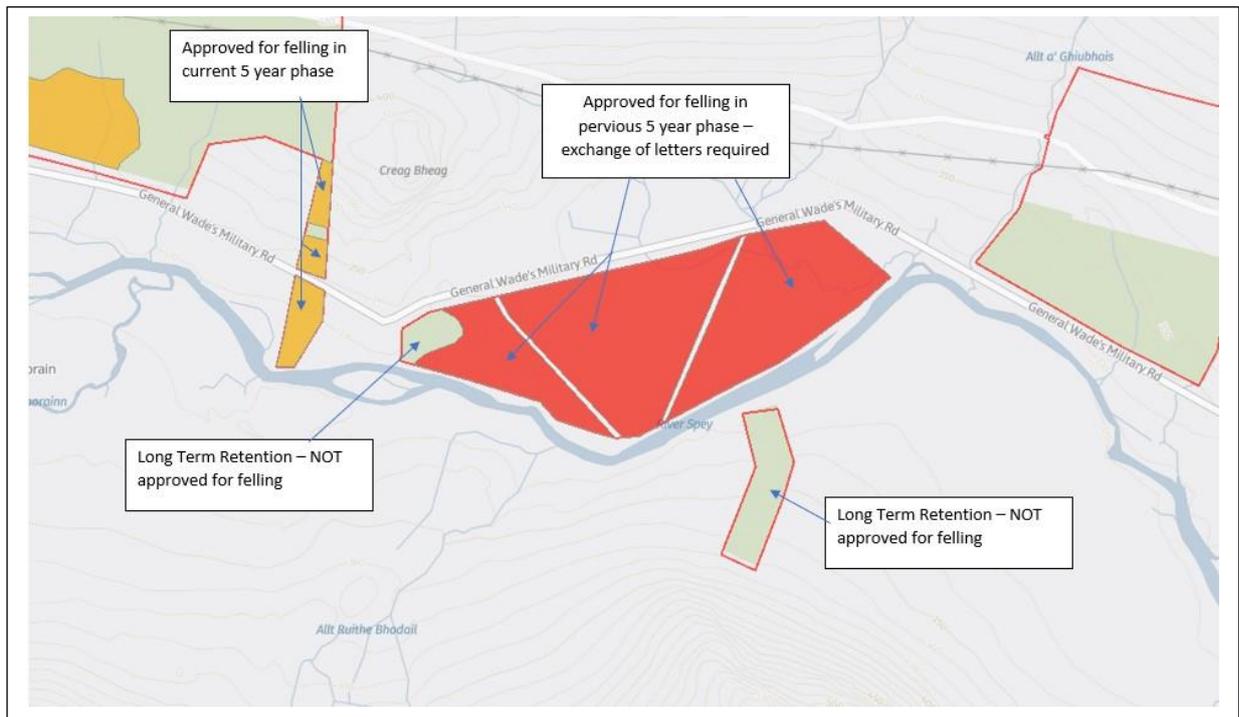
Estate management - liaise with and follow directions from estate staff to avoid any impacts on activities, especially deer stalking.

Public access – the area is used for public recreation. All operations should give due regard to keeping disruption of access to a minimum, whilst ensuring safety of public.

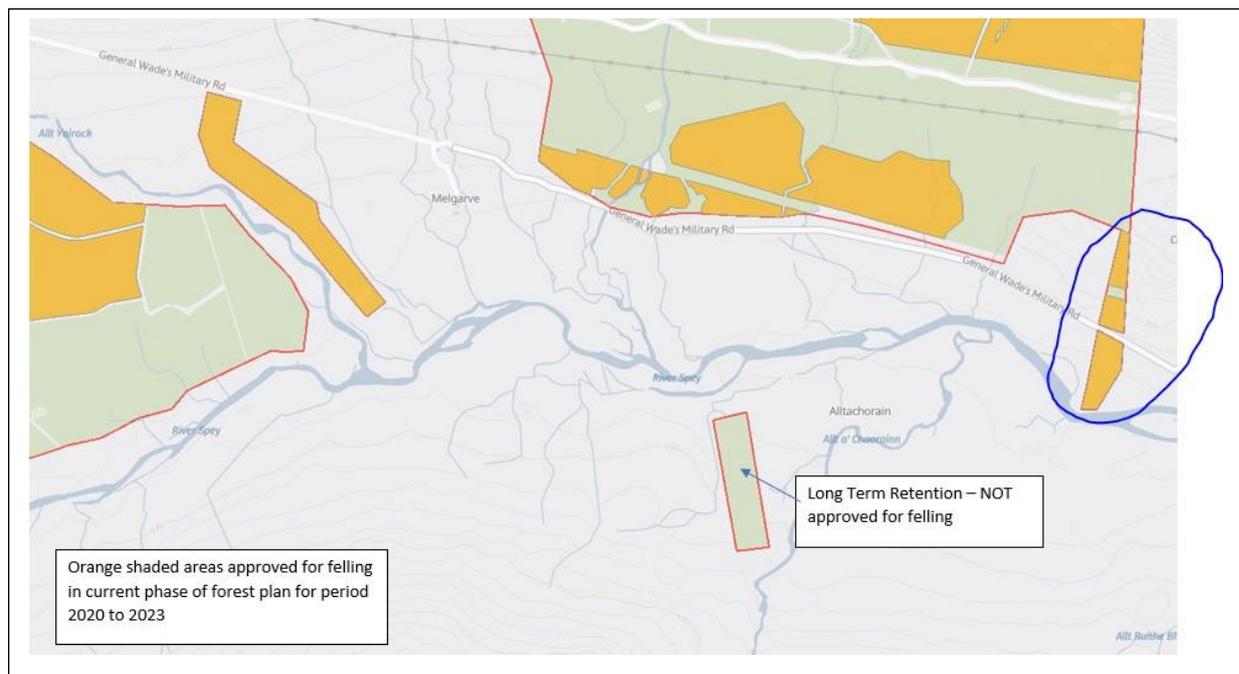
# Appendix 1 Indicative Tree Extraction Locations



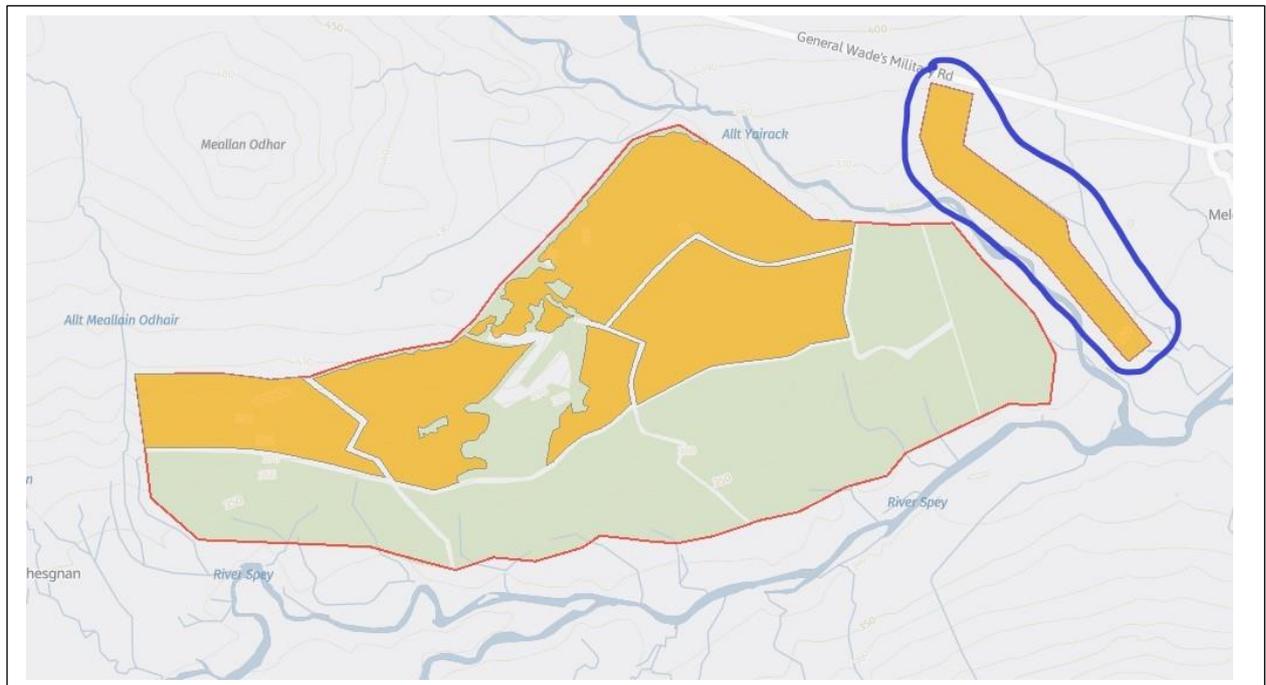
### Reach 4 Suggested tree sources



### Reach 3 Suggested tree sources (blue circle)



**Reach 2 Suggested tree sources (blue circle)**



**Appendix 2 Location map**

