



**Peat Bog Restoration Framework Agreement (NCS\_22468) – Lot 1c**



Please note that the terms and conditions as detailed in Natural England’s Peat Bog restoration Framework Agreement (NCS\_22468) will apply to this call off Contract.  
Roudsea Woods and Mosses SAC. Rhododendron Spraying. 141ha 2018/19.

**FROM**

<b>Authority</b>	Natural England
<b>Address</b>	Room 101, Foss House, Kings Pool, 1-2 Peasholme Green, York YO1 7PX
<b>Contact Ref:</b>	Ref: LIFE13 NAT/UK/000443 Name: [REDACTED] Phone: [REDACTED] E-mail: [REDACTED]
<b>Bravo Reference Number</b>	<i>ecm_52607</i> <i>[To be quoted on all correspondence relating to this Order]</i>
<b>Contract Start Date</b>	9 <sup>th</sup> July 2018

**TO**

<b>Contractor</b>	Environmental Land Management Solutions
<b>For attention of:</b>	Name: [REDACTED] Phone: [REDACTED] E-mail: [REDACTED]
<b>Address</b>	[REDACTED] Doncaster South Yorkshire [REDACTED]

<b>1. SERVICES REQUIREMENTS</b>
(1.1) <b>Services [and deliverables] required:</b>
<b><u>SPECIFICATION</u></b>
<b><u>LOT 1c</u></b>
<b><u>LOWLAND RAISED BOG – TREE WORKS</u></b>
The Cumbrian Bogs LIFE+ project supported by EU LIFE+ funding, aims to deliver the restoration of previously unrestored areas of degraded lowland raised bog within three sites in Cumbria that account for 2,807 ha of the Natura network – Bolton Fell Moss SCI, South Solway Mosses SAC & Roudsea Wood & Mosses SAC. This will allow achievement of Favourable SAC conservation status with the expected 30 year period and provide an excellent demonstration of bog restoration techniques. Contractors shall make no financial investment in the project and, therefore, shall not benefit from any intellectual property rights arising from the project.

### **Details/requirements**

Natural England requires the spraying of all *Rhododendron ponticum* and *Kalmia angustifolia* (**Annex 3**) re growth and seedlings over an area of 141ha with Roundup, Broadshot or equivalent

### **Location**

The work will be at Roudsea Woods and Mosses Special Area of Conservation. The work is on the southern of the two lowland raised bogs that make up the mosses. This is off the main road between Haverthwaite and Flookburgh in South Cumbria. (**Annex 1**)

### **Site Conditions**

*Rhododendron* had been actively planted on Roudsea Mosses and had colonised large areas of the mosses. In some areas it was extremely dense with large rootstocks and mixed with pine and birch. In other areas it was scattered with occasional trees and scrub.

Between 2014 and 2017 the majority of the rhododendron was flailed to ground level. Trees and Scrub were also removed. In places there is a dense mulch, others have large tree remains cut into smaller sections and other areas are almost clear of woody material.

Follow up spraying of parts of both sites was carried out in 2015/17, 16/17 and 17/18 and was partially successful. This season's spraying is to cover all areas where rhododendron formerly grew including areas previously sprayed. (**Annex 2**). The aim is to hit all regeneration.

### **Rewetting**

After flailing the rhododendron, the area was rewet using peat dams and bunds to bring water level to ground level. This was partly to drown out *Rhododendron* regrowth but also to provide habitat for *Sphagnum* moss to recolonise it.

*Rhododendron* has regenerated from stump and seed and is between 25cms and 1m in height, although there are occasional higher bushes which were not flailed. The regrowth can be found on the peat bunds and within the cells created by the peat dams. There are small areas of dense rhododendron within the work area but on the whole it is scattered and in some areas, where it formerly grew, it may have been eradicated. Some of the cells are very wet, but others less so.

Along the south, western and eastern sides there are areas of rhododendron that have been cut/flailed but no rewetting works undertaken. These areas have dense regeneration.

Spraying of all *Rhododendron ponticum* and *Kalmia angustifolia*, including all shrubs alongside the road in the east, is required. *Kalmia* is found scattered in the SE area and should be treated in the same way as rhododendron.

There are a number (up to 25) of larger shrubs on site that have not been tackled either by flailing/cutting or spraying. These must be managed by cutting into small pieces and stump treating.

Attention must be paid to prevent spray drift along the N and NW boundaries to ensure that neighbours Christmas trees are not affected

- **Note**

Water is not readily available on site and must be brought to site. It might be possible to get water from Stribers Farm or from the Roudsea Woods and Mosses NNR base (Contact [REDACTED] [REDACTED] it is for you to contact and make potential arrangements).

- **Ground Conditions**

Ground conditions vary from mainly relatively dry areas in the south and very wet along the eastern side. The whole area though has been bunded. Spraying by hand is the only feasible option, except along the southern boundary, where low-ground-pressure vehicles may be able to access.

- **Access**

Access is via gravel farm tracks which will require maintenance during operations and re-instatement to as good as prior condition after operations. There is a locked gate access for Ellerside and Reake Moss for which a key from [REDACTED] is required.

## **Plant Density**

- **Estimated density**

Natural England Staff have divided the site into zones and based on a walkover survey they have averaged the density for each zone. We believe we have erred on the side of caution.

Zones are:

Scattered 1-1000plants/ha (Framework 2.4.2/2.4.4)

Dense 5000-10,000plants/ha (Framework 2.4.1/2.4.3)

There are areas of medium to dense within the scattered area, but plant numbers overall within the scattered area are very low, so on average we believe that these areas can be considered scattered.

## **Outputs**

- Note the Framework uses two categories Scattered and dense for spraying work. NE have identified a number of areas where we believe the density is in between, i.e. medium. For this category we are using Framework code 2.4.1/2.4.3.

		Framework Code	Area ha
Scattered	1-1000 plants/ha	2.4.2/2.4.4	128
Dense	5000-10000 plants/ha	2.4.1/2.4.3	13

- **Other**

		Framework Code	Area no
Additional	Large plants. Cut into small pieces and stump treat	Out of scope	25

Use Round-up pro bioactive or equivalent (active ingredient glyphosate). This contains wetting agents. Application rate of 10lt per hectare, or 2% solution and spray to just before it runs off. An alternative is 2, 4-D/Dicamba/Triclopyr – Cleancrop Broadshot or equivalent. Apply at 7.5% product in water. Maximum 5lt per ha to avoid environmental pollution.

A blue dye must be added to the chemical being applied in order to track coverage

The contractor must spray within the weather window and conditions specified by the Chemical Data Sheet. Natural England will make spot checks in changeable weather conditions to ensure that this is being complied with and any spraying undertaken in inappropriate conditions will have to be re done.

Chemical usage sheets must be maintained as per COSHH guidelines, and copies provided for Natural England Staff at the end of the contract

Spraying must take place between 10<sup>th</sup> July and 31st August

Natural England expects a 95% kill rate.

## **Work force information**

As part of the overall LIFE Project, Natural England are looking to value the economic impact of the project to the local and wider economy. You will need to provide to Natural England on a monthly basis (within the first week of the following month) the following information (all information will be confidential):

- o Man hours spent on the contract. To include on site and back office operatives

- o Ball park wage bill
- o Number of accommodation nights including cost/person/night
- o Postcode of each operative (first part only e.g. CA11)

**Management Information.**

If requested under clause 16 of the General Terms following action note 06/10 5 March 2010 issued by OGC, the Supplier may need to supply management information to the Authority or the GPS (Government Procurement Service) formally OGC. The final scope of these requirements may vary according to the category of spend and will be agreed with the supplier at the time of engagement but may consider the following: line item amount; invoice line descriptions; invoice line number; currency code; order date; VAT inclusion flag; VAT rate; list price; number of items; unit of purchase; unit of purchase quantity; price per unit; supplier product/service code; product description; product/service level (product or service name); UNSPSC code; taxonomy code; taxonomy name; geographical; project code; project description; project start date; project delivery date (estimate and actual); total project cost and project stage.

**EU LIFE+ funding.**

The Cumbrian Bogs LIFE+ project supported by EU LIFE+ funding, aims to deliver the restoration of previously unrestored areas of degraded lowland raised bog within three sites in Cumbria that account for 2,807 ha of the Natura network – Bolton Fell Moss SCI, South Solway Mosses SAC & Roudsea Wood & Mosses SAC. This will allow achievement of Favourable SAC conservation status within the expected 30 year period and provide an excellent demonstration of bog restoration techniques.

Contractors shall make no financial investment in the project and, therefore, shall not benefit from any intellectual property rights arising from the project". (This is additionally covered in our standard Terms and Conditions).

**(1.2) Commencement Date: 10<sup>th</sup> July 2018**

**(1.4) Completion Date: 31<sup>st</sup> August 2018**

**2. PERFORMANCE OF THE SERVICES AND DELIVERABLES**

**Response Provided by: Environmental Land Management Solutions**

**EO1 Workforce**

Removed

**EO2 Methodology**

Removed

**EO3 Health and Safety**

Removed

**3. PRICE AND PAYMENTS**

**(3.1) Contract Total Fixed Price £34,550 (GBP) excluding VAT, 41,460 (GBP) including VAT,** [REDACTED]

**Quotation from Environmental Land Management Solutions.**  
Removed

**(3.2) Invoicing and Payment**

The Contractor shall issue [REDACTED]

The Supplier shall submit the invoice to the Authority at the following addresses:  
Accounts-Payable.neg@sscl.gse.gov.uk or  
Shared Services Connected Limited, Natural England, PO Box 793, Newport, Gwent, NP10 8FZ.

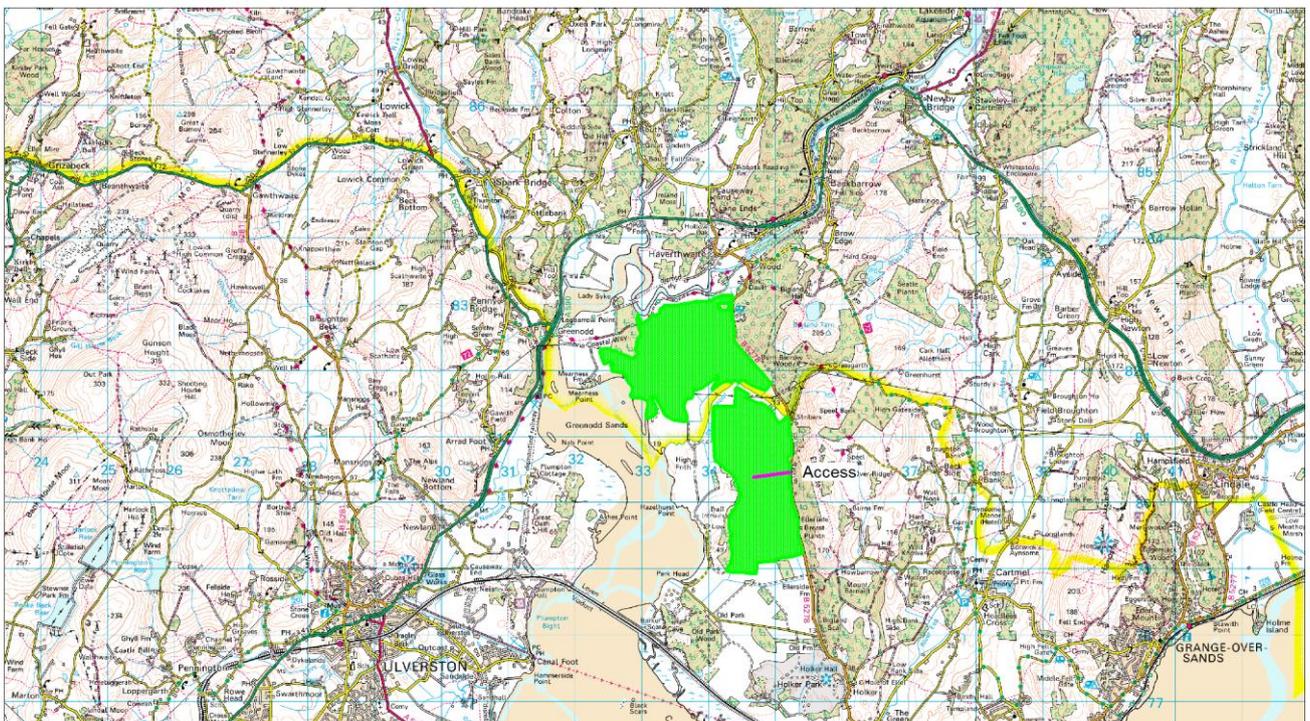
**Invoice referencing** – invoices must include a clear reference to the Cumbrian Bogs LIFE project number and title (LIFE13NAT/UK/000443– Restoration of degraded lowland raised bogs on three Cumbrian SCI/SACs) in order to match up with the relevant purchase order/contract issued.

**AGREEMENT BY ELECTRONIC SIGNATURE**

Acceptance of the award of this contract will be made by electronic signature carried out in accordance with the 1999 EU Directive 99/93 (Community framework for electronic signatures) and the UK Electronic Communications Act 2000. Acceptance of the offer comprised in this Agreement must be made within [7] days from the date of this Award Letter and the Agreement is formed on the date on which the Contractor communicates acceptance on the Customer's electronic contract management system ("Bravo"). No other form of acknowledgement will be accepted. Please remember to quote the reference number above in any future communications relating to this contract.

# Annex 1

## Roudsea Woods and Mosses Appendix 1: Location



Scale 1:50000 Map 1 of 1  
0 1000 2000 3000

Drawn by A Brock  
Date: 23/10/2012  
Ref: sd33196205  
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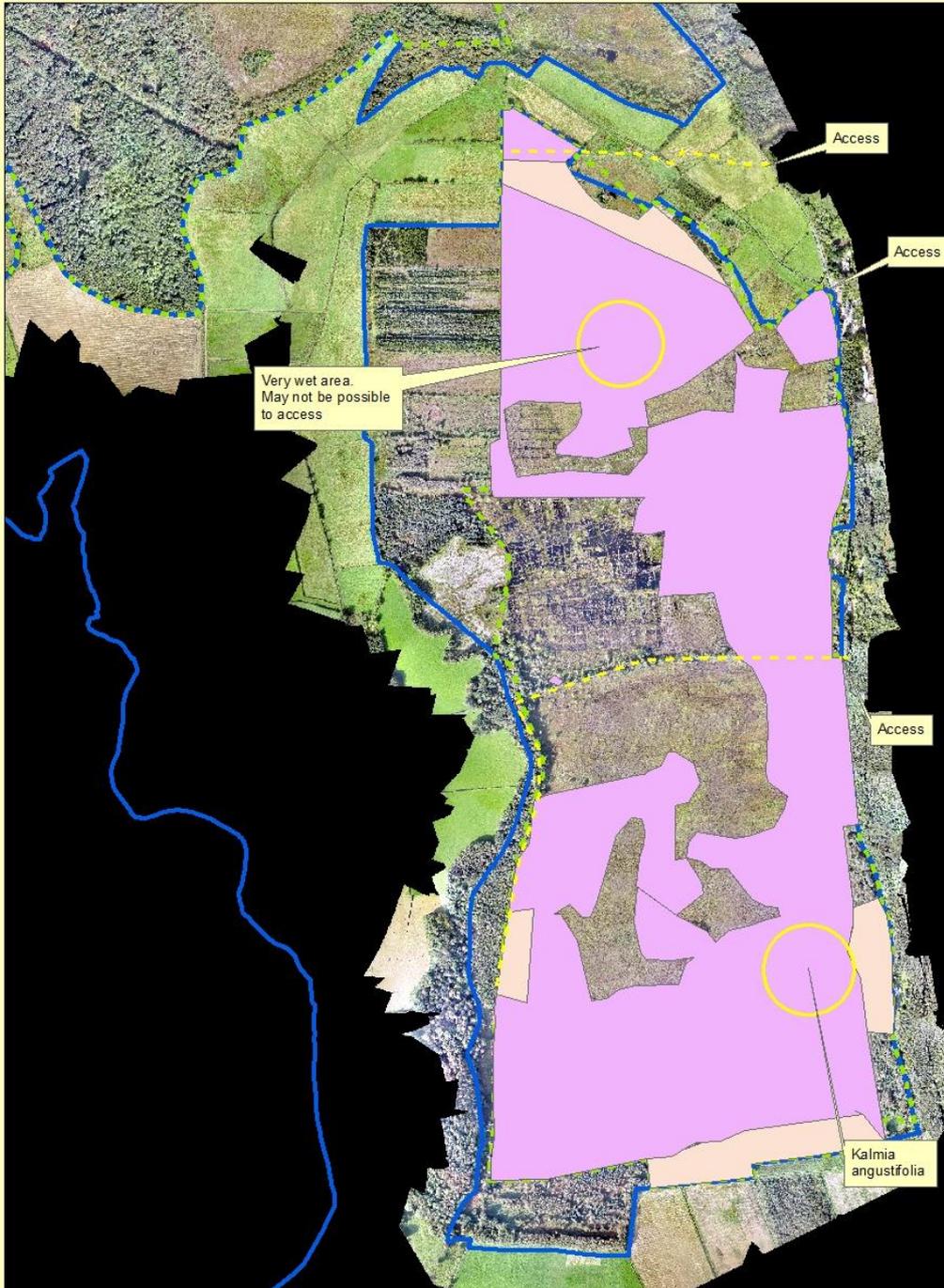


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**Annex 2**

**Roudsea Woods and Mosses NNR. Southern Mosses. Stribers, Ellerside, White and Reake Moss. Rhododendron Spraying 2018.19**



**Legend**

- Special Areas of Conservation
- National Nature Reserves

**RWM\_Spray\_201819**

- Dense
- Scattered

0 250 500 1,000 Meters



Scale (at A3): 1:10,000  
Map produced by [user name],  
[team]  
Date: xx/xx/2014. Map Reference: xxxxxx

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**Annex 3**

