

Invitation to Tender for the Provision of

Proposed Fish Passage Improvements, Craigshill Wood Gauging Station Weir

To be supplied to the Westcountry Rivers Trust



Date: 18 February 2020



Westcountry Rivers Trust
Rain-Charm House
Kyl Cober Parc
Stoke Climsland
Cornwall
PL17 8PH

18 February 2020

Dear Sirs

**Invitation to Provide Tender
Fish Passage Improvements, Craigshill Wood Gauging Station Weir**

You are invited to submit a tender for the installation of Fish Brush fish passage improvements systems at Craigshill Wood Gauging Station Weir through an open tender procedure. All Fish Brush Heads required will be supplied to the appointed contractor free of charge.

Please note, all consents are not yet in place for the works although relevant applications are in hand. As such, at this stage, we cannot guarantee that the works will go ahead.

Project details are attached and are listed below. The documents supplied provide much of the detail required for you to supply a tender for the proposed works. Please read these documents carefully and be aware of the requirements for the level of insurance cover necessary. We have completed the 'employer' information sections of the NEC3 Contract, as recommended by NEC. Please complete the 'contractor' information and return it to us to submit your tender for the proposed works.

Your tender must be received by us no later than 5pm on Tuesday 17 March 2020.

Tenders received will be assessed based on price (40%) and quality (60%) with quality being assessed on 'Ability to meet the requirements', 'delivery / timescales' and 'Staffing'.

Please contact us should you require clarification or further information. We look forward to receiving your submission in due course.

Yours sincerely

Westcountry Rivers Trust

- Encs. Craigshill Wood GS Weir Information to Tender (below)
- Craigshill Wood GS Weir Project Information
- Craigshill Wood GS Weir Construction Method Statements
- Craigshill Wood GS Weir NEC3 Engineering and Construction Short Contract
- Craigshill Wood GS drawings 01 to 06
- Drawing - Berry & Escott Fish Brush Assembly 2020
- Craigshill Wood GS Designers Risk Assessment
- WRT Biosecurity Policy

Craigshill Wood Gauging Station Weir – SX18444 65997

Craigshill Wood Gauging Station Weir is located to the south of St Neot, on the St Neot which is also known as the River Loveny.

The weir is of Compound Crump design comprising of a steep sloping downstream glacis constructed of smooth concrete. The central low flow channel, although fitted with low cost baffles (LCB), is not functioning optimally for fish passage. The weir had an existing eel pass which is working well.

You are providing a tender for the physical fish passage improvement of Craigshill Wood Gauging Weir. The proposed works comprise of the following elements;

Fixing of new Fish Brush fish passage systems (**all Fish Brush Heads required will be supplied to the appointed contractor free of charge**). The works comprise:

- Contractor's Design - the structural extension of the central weir could be formed from reinforced concrete to match that existing or provided with prefabricated metalwork. Prior to construction, Contractors are to provide full details of their proposed design including all proposed structural elements.
- The lowering of part of the existing pre-barrage to facilitate a dry working area during the elevated summer flows experienced in the St Neot River (Contractor input is welcome with regard to the most effective method of creating dry work areas given the high summer flow regime in the St Neot River).
- The removal of five existing plastic lumber fish baffles.
- The extension of the central weir glacis and adjoining wingwalls by approximately 2.6m downstream.
- The making good of fixing holes and any minor weir face damage/scour.
- The reconstruction of the part of existing pre-barrage lowered to facilitate a dry working area.



The central weir section at a similar Gauging Station Weir where Fish Brushes have been fitted to improve fish passage.



150mm high Fish Brush (the majority of Fish Brushes required at Craigshill Wood are 200mm high)
All Fish Brush Heads required will be supplied to the appointed contractor free of charge)

Introduction & Overview

A. Company Background

Westcountry Rivers Trust (WRT) is an environmental charity (Charity No. 1135007, Company No. 06545646) established in 1995 to secure the preservation, protection, development and improvement of the rivers, streams, watercourses and water impoundments in the Westcountry and to advance the education of the public in the management of water.

B. Background to the Project

Westcountry Rivers Trust are seeking to improve stocks of migratory fish such as salmon and sea trout in the rivers Camel and Fowey through the Water for Growth project. Funded by the European Union Structural Development Fund and in partnership with the Environment Agency, Natural England and South West Water, we will look to:

- improve upstream and downstream fish passage
- improve in river and bankside habitat
- improve spawning habitats
- aim to increase numbers of juvenile salmon and seatrout

The project is about improving Cornwall's 'natural capital' (the rivers and their associated plants and animals) and in return encourage and facilitate a responsible and sustainable exploitation of this natural capital in the form of angling.

The natural capital in Cornwall has been diminished by a wide range of factors including the construction of weirs, that can affect fish passage, and the loss of habitat; both of which are essential for migratory species such as salmon and sea trout. With stocks currently low, angling and the economic input that it brings to local enterprises has fallen.

We will assess and aim to improve major barriers to upstream and downstream fish migration, simultaneously providing a benefit to the native stocks of wild brown trout, eel, bullhead and brook lamprey which also need to move up and down the river. Alongside two hectares of in-stream habitat works, we aim to open access to over 60 hectares of fish spawning area.

With an increase in populations of fish, the rivers will be able to support a greater amount of responsible angling. This improvement of Cornwall's natural capital will bring economic benefits to many local enterprises and the wider community.

C. Background to the Services Required

It is generally accepted that fish stocks are in decline and that salmonids in the South West are no exception. It is also generally accepted that fish passage in freshwater habitats is one of the key requirements for healthy populations, particularly migratory salmonids.

Through the Water for Growth project we aim to achieve the best possible fish passage solutions at approximately 30 sites identified as problematic for fish passage. These sites are located across the Camel and Fowey catchments.

D. Services Required

The services required are described above and the attached documents and drawings.

CDM2015 applies to the works although it is not considered that they are notifiable, however, a Construction Phase Health and Safety Plan will be required from the appointed contractor including appropriate risk assessments for all elements of the proposed works.

All works undertaken must be done so in full compliance with relevant best practice guidance including the latest versions of the Environment Agency Fish Pass Manual and the CIRIA River weir – Design, maintenance, modification and removal. All elements must conform to all relevant British and European Standards, and in compliance with the latest edition of the Civil Engineering Specification for the Water Industry.

E. Site Location Plan

Please refer to drawing 01. Contractors should visit the site prior to providing their proposal. WRT will arrange access and accompany you to the site.

The site and its surroundings have special considerations of an environmental and conservation nature. All actions pertaining to the services must seek to minimise all environmental impacts.

F. Special Site Considerations

The site lies within the Glynn Valley County Wildlife Site.

All works must be undertaken in strict accordance with all relevant best practice including PPG5 – Pollution Prevention Guidelines, Works and maintenance in or near water; although this document has been withdrawn it still provides the benchmark guidance for works such as those proposed.

Summer Flow Regime: The flow regime during the summer months on the St Neot River is expected to be high due to water releases from Colliford Reservoir. Summer flows in the St Neot River are usually high in summer with low flows only available in Spring and Autumn. Please refer to average flows graph below. Contractor input is welcome with regard to the

most effective method of creating dry work areas and the timing of the works given the high summer flow regime in the St Neot River

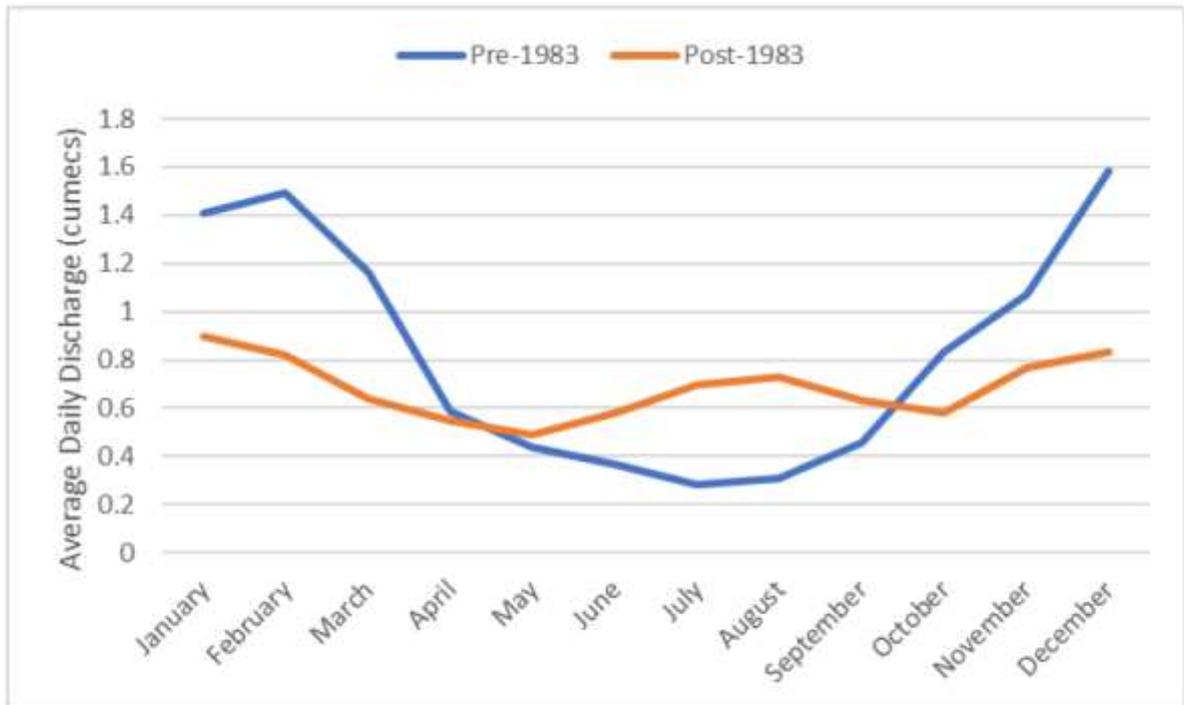


Figure 1-4 Average daily discharge (m^3s^{-1}) before (1971-1982) and after (1984-2018) operation of Colliford Reservoir. Data from National River Flow Archive Gauge 48009 (St Neot at Craigshill Wood, NGR: SX184659)

All in-river works are to be undertaken in fully contained dry working areas. No fuelling is to take place on site. All building materials and chemicals are to be stored in work areas in secure bunded storage containers. Spill Kits are to be available at all times in case of emergency. Should a pollution incident occur at this site, it is to be reported immediately to the Environment Agency on the incident hotline 0800 807060 and the Westcountry Rivers Trust contract manager 07854 716263 or 07540 345590.

G. Contractor’s Design

The structural extension of the central weir could be formed from reinforced concrete to match that existing or provided with prefabricated metalwork. Prior to construction the appointed Contractor is to provide full details of their proposed design including all proposed structural elements. The appointed Contractor is to submit the details of the Structural Engineer who will undertake the structural design work, including details of appropriate Professional Indemnity insurance cover, to the Client for approval prior to design work taking place.

Contractor’s input is also welcome with regard to the most effective way to create dry work areas to allow the proposed works to be undertaken.

H. Timescale

The following timescales are suggested to allow the facilitation of works.

18 February 2020:	Invitation to Tender released
2 March 2020:	Clarification Deadline (deadline for clarification questions)
17 March 2020, 5pm:	Tender return deadline
24 March 2020:	Tender returns assessed
25 March 2020:	Tender Returns Customer Queries Issued
2 April 2020:	Tender Returns Queries Deadline
7 April 2020:	Award decision standstill letters issued
17 April 2020:	Contract concluded with winning supplier
30 April 2020:	Contract commencement
30 September 2020: (preferably earlier)	Craigshill Wood GS Fish Passage Improvement Complete

1. Application Details for Respondents

This section provides instructions to be followed in responding to this ITT. Included are Response Guidelines and WRT contact information.

a. Respondent Guidelines

You are required to submit a written proposal. This can either be sent as a hard copy or electronic copy (contact details below) by the deadline stated above. All proposals should include the following:

- Capability statement outlining the skills and experience you intend to utilise to undertake the proposed works.
- Outline details of their preferred construction method for the extension of the existing central weir glacis.
- Method Statement detailing how you intend on undertaking the work including methodology for creating dry working areas.
- A brief proposal with outline programme detailing your preferred methodology for delivery in the allotted timeframe.
- Priced NEC3 Engineering and Construction Short Contract.

You are expected to supply all required information, or clearly state the reason for not being able to do so.

In submitting a tender, you are stating you are suitably qualified and experienced in work of this nature. If your submission is successful and the contract awarded you are also obliged to provide the following:

- Contractor's Design for the structural elements for the proposed new glacis including full details of proposed structural elements.
- Construction Phase Health and Safety Plan and associated Risk Assessments.
- Detailed construction programme.
- Current insurance certificates for Employer Liability and Public/Product Liability.
Companies must confirm that they have suitable insurance in place for all items constructed, methods employed, and products used.
- Details of all proposed sub-contractors and current insurances (if applicable).

The successful Contractor will be expected to enter into a standard NEC3 Engineering and Construction Short Contract.



Any assumptions used in preparing responses should be clearly stated. Any appropriate supporting documents e.g.; programmes, plans, company brochures, organisation charts should be included.

Site visits can be arranged by contacting WRT who will arrange access with the relevant landowners. WRT will accompany you to all site visits.

b. Timetable

The deadline for submission is 5pm on Tuesday 17 March 2020; any submissions received after this date will not be considered. Further timetable details are provided in section H above.

c. Full Contact Details

Email Address: W4Gfishpassage@wrt.org.uk

Full Address: Westcountry Rivers Trust
Rain-Charms House
Kyl Cober Parc
Stoke Climsland
Callington
Cornwall
PL17 8PH

Office Telephone: 01579 372140

2. Tender Assessments: Evaluation and Process

A set of evaluation criteria will be used by WRT for the evaluation of every compliant submission. Within each stage an initial evaluation will consider if every requirement contained within the ITT has been fulfilled. The evaluation criteria will be based upon price (40%) and quality (60%) with quality being assessed on 'Ability to meet the requirements', 'Delivery / Timescales' and 'Staffing'.

If you have any queries, please do not hesitate to contact WRT.

3. Confidentiality

By submitting a response, you are committing to an understanding of the requirements and have sufficiently addressed all aspects of the ITT. All information you have provided, such as prices, has been checked to be correct and as intended.

All information supplied by WRT in this Invitation to provide a Tender, and any further information supplied during the procurement process is confidential and must not be shared with any other organisations unless WRT give permission in writing. The confidentiality extends to all recipients of this information.

4. Finance

This project is financed under the Water for Growth Project.

Invoicing terms are detailed in the NEC3 contract. When invoicing, the invoice must clearly state:

***Water for Growth – Craigshill Wood Gauging Station Weir
Project Reference – W4G/C23/Craigshill Wood GS Weir Fish Passage Improvement***

5. ITT Acceptance

To simplify exchange of information regarding this Invitation to Tender please nominate one person (point of contact) with relevant telephones and email address.

Please direct any questions regarding this ITT content or process to WRT. All questions should be submitted in writing either by post or email to W4Gfishpassage@wrt.org.uk



Where there is a valid reason, WRT reserve the right not to accept your submission or any other tenders received. WRT are not liable for any cost you may incur in the preparation of your tender.

Please note, consents are not yet in place for the works although applications for Planning and Land Drainage Consent have been submitted to the relevant statutory authorities. As such, at this stage, we cannot guarantee that the works will go ahead.