Invitation to Tender

Severn Valley Water Management Scheme

Farm Hydrology Tool

Date of issue: 28/07/2025

To whom it may concern,

Creation of a web application providing farmers in the Guilsfield catchment, East Wales, with information about Nature-Based Solutions opportunities on their land and the potential benefits to their farm business. The tool should make use of specified, open-source APIs as well as a pre-prepared geospatial dataset of opportunities.

You are invited to tender, in competition with others to provide the goods and/or services specified above to **Severn Rivers Trust (SRT)**.

The following documents are enclosed and must be, where applicable, completed and signed by the supplier.

A	A Brief Introduction
B	Tender Instructions and Information
C	Specification of Services/Goods
D	Company Information
E	Form of Offer
F	Certificate of Offer

Your tender response should be emailed to lloyd.cockram@severnriverstrust.com by 12.00pm on 08/08/2025.

Only tenders submitted in accordance with SRT's Terms and Conditions will be considered. Any tenders that are incomplete, or received after the time indicated, may be disregarded.

If you wish to discuss any aspect of this tender prior to tendering, please email Lloyd Cockram

If you do not wish to tender on this occasion, please let us know by email.

Yours sincerely

Lloyd Cockram

A - A Brief Introduction

Severn Rivers Trust has secured funding from the Severn Valley Water Management Scheme, working in collaboration to create a digital farm engagement tool which can inform users of site-specific opportunities for enhancing soil and water management within the Guilsfield river catchment, in the area of the village of Guilsfield, Powys. Working with a pre-prepared opportunities dataset and including relevant, free to access APIs, the tool will generate a report of recommendations based on a limited user input of location and some farm business information.

This is intended to be the first stage in an iterative development and expansion of the tool, and should form the basis of its core functionality, with the opportunity to develop it further beyond the scope of this contract period.

We are seeking a developer with the expertise and experience to assist with the creation of this tool, as well as providing an expert steer on the design and opportunities for additional functionality.

Further information about the Severn Valley Water Management Scheme can be found here: https://severnvalleywatermanagementscheme.commonplace.is/

For an overview of Severn Rivers Trust, please go to: News | Severn Rivers Trust

1. This document is designed to be completed electronically. You are required to mark boxes, insert information or submit additional documentation in response to the questions within. Whilst the text boxes should expand as you add text, if there is insufficient space for your response, please attach a separate document clearly marked with the name of your Company, the reference number and the number(s) of the question(s) to which it relates. Please 'sign' this document by adding your name or e-signature to the end of section G.

2. If you are unable to comply with a request for information or provide documentation requested, then a written account explaining the absence of the information must accompany the return of this tender. Please be aware that the failure to respond to any of the questions, without a written reason, may result in a negative evaluation of that element within the overall evaluation of this questionnaire.

3. SRT may require supplementary information or clarification, or further evidence of the information given. SRT may wish to visit reference sites given as evidence of relevant experience.

4. Please answer the questions specifically for your company, not for the group if you are part of a group of companies. Please note the term "Company" refers to: Sole trader, partnership, incorporated company, co-operative, or voluntary organisation as appropriate.

5. During the term of this agreement and for 1 year thereafter, neither party shall solicit to work for any person who is or was employed by the other party and who has been involved in the provision of the Services at any time during the preceding 12 months. For the avoidance of doubt, if a person who is or was employed by the other party at the relevant time responds to a publicly advertised recruitment campaign, the recruiting party shall not be deemed to have solicited that person from the other party. If either party is in breach of this it shall pay to the other party an amount equivalent to the gross salary paid by that other party to the relevant employee for the final 12 months of employment

6. No charge will be made to SRT by applicants for any preparation costs accrued during the tender process, whether the tenderer was successful or not.

7. You are invited to submit your best offer for the work as detailed below. SRT reserves the right to undertake post-tender negotiations.

8. If you require any further information or clarification regarding this tender, please email Lloyd Cockram (lloyd.cockram@severnriverstrust.com)

9. It should be noted that in any contractual relationship that is subsequently entered into, reference will be made to the detailed information provided in the formal response to this tender document provided by the successful organisation. Thus answers and information given in your reply will become a binding part of the contractual obligations between yourselves and SRT.

10. Timetable

Invitation to Tender document issued	28/07/2025
Tender documents to be returned	08/08/2025
Award of contract	11/08/2025
Commencement of services	12/08/2025
End of contract	31/12/2025

11. SRT does not bind itself to accept the lowest priced Tender and reserves the right to accept only part of a Tender. SRT reserves the right to procure individual elements of the required service from one or more supplier as appropriate.

Whilst SRT aims to provide individual feedback on unsuccessful submissions this may not always be possible, and SRT is under no obligation to do so.

12. Tender Evaluation Process **(if applicable. Remove if best price will be chosen and there is no requirement to assess tenders on other criteria)**

Tenders that fulfil the essential requirements will be evaluated on the following weightings, as detailed below.

Criteria	Weighting
Ability to deliver on time and breakdown of delivery process	25%
Ability to deliver the specified project objectives	25%
Competitive cost and budget assurances	25%
Demonstrable evidence of relevant previous works	25%

C - Specification

Please note:

The successful supplier will provide a service to which the following points will apply:

1. Project Overview
   The purpose of the application is to create an engagement tool for farmers and landowners in the Guislfield catchment which presents targeted recommendations for Nature Based Solutions based on their location within the catchment. The tool should draw on a pre-prepared geodatabase of opportunities and other free to use APIs to generate a location specific report of opportunities with the aim of persuading landowners of their benefits.

2. Platform and Device requirements
   The requirement is for a web application which can be embedded within a web page. It should operate across devices, browsers and operating systems.
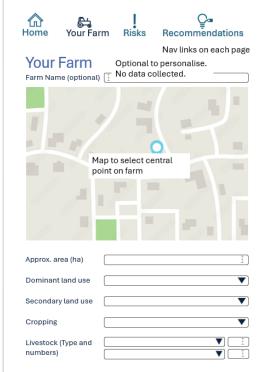
3. User journey/flow
   Example pages here have been provided in portrait format but should also function in a landscape browser window. These examples are indicative of the expected function and flow of the tool and will not necessarily reflect the final design. Some of the functionality presented here may be edited or removed based on consultation and device with the chosen developer.
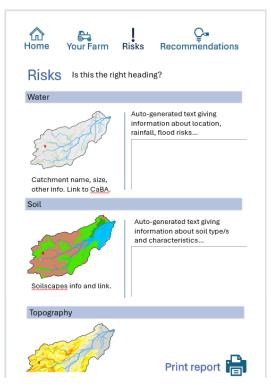
   Upon accessing the application, the user should see an engaging introductory page which provides background to the tool itself as well as the wider project, logos for the project partners and a link to launch the tool itself.

   The main tool should have navigation links which move between the main pages:
   - 'Your Farm', which should be the user input page. Primarily this will require a point entry on a map for the user to locate the centre of their farm or land holding. Additional information including farm size, type and land use will be input here via text boxes and drop-down lists. The purpose of collecting these data will be to identify and feed back farm specific information regarding risks and opportunities; mostly this will be through the point entry system but can also be defined by links between certain choices and pre-prepared outputs. These connections will be defined by SRT.
   - Having input the data the user will then move on to the output tabs, one detailing farm location specific 'Risks' to the soil and water environment and one detailing 'Recommendations', or 'Opportunities'. These should be determined by searching cross referencing the point location with the provided Nature Based Solutions data, as well as the additional input/output connections mentioned above, and pulling in the relevant pre-prepared text. These can be broken down into sections, with headings and stock images to make the tool engaging. There should be the functionality to compile the report into a printable pdf in the chosen language (English or Welsh).

Farm Hydrology Tool

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Introductory text. What is the tool? Why has it been produced? How is it best used?

→ Launch the tool

Severn Valley
Water Management Scheme

SEVERN
RIVERS TRUST

Cynllun Rheoli Dŵr
Dyffryn Hafren

🏠 Home   🚜 Your Farm   ! Risks   💡 Recommendations

Nav links on each page

Your Farm

Optional to personalise.
No data collected.

Farm Name (optional) [   ]

Map to select central point on farm

Approx. area (ha) [   ]

Dominant land use [▼]

Secondary land use [▼]

Cropping [▼]

Livestock (Type and numbers) [▼] [   ]
[▼] [   ]

- It is intended that this will be the first iteration of the tool, which can subsequently be expanded and improved upon, adding functionality and content. The features described here will form the essential basic function of the tool. Other features can be considered as a 'good to have', rather than 'need to have' at this first stage, for example auto generated maps of the risks at the specific location. Such functionality can be considered depending on time and budget availability as the tool is produced.

4.   Design
        The design and styles of the completed application should comply with the Severn Valley Water Management Scheme brand guidelines, which will be provided when awarding the contract.
        It is expected that the company awarded the tender will provide input and expertise regarding the final design and layout of the application, based upon guidance provided by SRT, as well as through continued correspondence and collaboration with the project steering group.

5.   Integrations
        The Severn Valley Water Management Scheme has created 2 geospatial datasets of opportunities for Natural Flood Management and Land Use Change across the Severn Uplands. These are stored in Geodatabase format but can be converted to a shapefile or csv. A sample of this dataset can be provided on request. As this data is stored locally it will require hosting in order to be integrated within the application.

        Additionally the tool will be required to draw upon data from the Natural Resources Wales Api Portal (https://api-portal.naturalresources.wales/) or other free to access APIs as relevant in order to generate site specific information such as annual rainfall, flood risk, and soil types.

6.   Content requirements
        Specific content will be provided by SRT through the NBS dataset or as copy text which should be drawn upon to auto-generate a report based on user inputs. Placeholder text may be required while this is in production, but themes and headings can be pre-determined.

7.   Authentication and accessibility
        The tool should be available in both English and Welsh. Text translation will be provided by SVWMS.
        There should be no barriers to users accessing and using the tool, therefore no login or user functionality is required.
        The SVWMS NBS dataset which is to be used in constructing this tool has been provided under a data sharing agreement and should not be made available in its entirety to any persons or organisations. Access to this should only be possible through the site-specific tool outputs.

8.   Hosting and deployment
        It is required that the developer set up secure hosting and API access for the dataset. Once the tool is established it should be possible to embed this within a webpage, with no requirement to be downloaded or installed onto a device.

9.   Timeline
        The specific breakdown of processes and deliverables should be detailed by the supplier as part of the tender process. It is required that the application be completed and functional by the 31/12/2025. The contract end date may be extended beyond this to allow time for testing, troubleshooting and alterations.

10.   Budget
        Competitive tenders will be appraised on their merits, but it is not expected that they will exceed £25,000 - £30,000 inclusive of VAT.

11. IP ownership
   Any and all outputs will be the sole property of the Severn Valley Water
   Management Scheme. Upon completion of this contract all data and access rights
   should be made available, that the tool can be freely further developed by SVMWS
   and/or an additional third party.

FOR COMPLETION BY THE SUPPLIER

Are you able to meet this specification in full? If so please give details below
If not please state any differences in service offered

Specification met? Yes ☐ /Part met ☐ / No ☐ (tick as appropriate)
Details

1.0	General

1.1	**Registered Name**
	Trading Name (if different)

1.2	**Correspondence Details** **Name of person applying on behalf of the company**
	Address:
	Telephone:
	Mobile:
	Email:
	Registered office Address (if different from above)

1.3	**Company Registration No (if applicable)**
	VAT registration number (if applicable)

1.4	**Date company was founded (if a limited company, date of incorporation)**

1.5	**Company structure and nature of company** Please outline the nature of the company, whether it is a partnership, sole trader, plc etc.
	Is the company proposed as party to the contract part of a larger organisation? If so please explain the relationship between the various parts of the organisation, up to the ultimate holding company.
	Current number of full time equivalent staff currently employed by the company (not larger parent company)

2.0   Insurance Documentation

2.1   Insurances (a scanned copy of each certificate will be requested)

	Insurer	Policy No	Value of Cover	Expiry Date
Employers Liability				
Public Liability				
Prof. Indemnity				

3.0   Health & Safety and Environment

3.1 Has your company been served with any enforcement or prohibition notices or been prosecuted in the past 5 years for breaches of health & safety legislation?

YES ☐   **NO** ☐   If yes please provide full details.

3.2 Has your company been served with any enforcement or prohibition notices or been prosecuted in the past 5 years for breaches of environmental legislation?

YES ☐   **NO** ☐   If yes please provide full details.

3.3 Has your company been served with any enforcement or prohibition notices or been prosecuted in the past 5 years for breaches of data protection legislation?

YES ☐   **NO** ☐   If yes please provide full details.

3.4

Have any restrictive clauses in relation to your company's Employer's Liability, Public Liability or Professional Indemnity Insurance policies been enforced in the last 5 years due to past Health & Safety performance?

YES ☐   **NO** ☐   If yes please provide full details.

Cost

Cost for providing goods/services, as outlined in specifications (C)	*Please break down per specification if more than one specification is provided, and provide a total combined cost below*
	1. £ + VAT
	TOTAL COST £ + VAT

Approach to the Project

What would be your approach to this project (include construction management plan, method statements, risk assessment, public and professional liability insurances etc.)? (Attach separate documents if needed)

F - Certificate of Offer

We certify that this offer is made in good faith, and that we have not fixed or adjusted the amount of the offer by or under or in accordance with any agreement of arrangement with any other person.

Signed	
On behalf of	
Date	

Please note: a name added in an electronic document is functionally equivalent to a signature.