



# Black Sluice Internal Drainage Board

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## **Graduate Flood Risk Specialist**

### **Project Title**

South Forty Foot Upper Catchment natural flood management and control analysis.

This position is part of two person team, yourself and a Graduate Farm Engagement Adviser.

### **Background**

The Upper Catchments of the South Forty Foot have in heavy rainfall events 'flash' flooding of local communities, low key highways infrastructure flooding and silt wash off from agricultural land throughout the entire South Forty Foot Upper Catchment. This project seeks to identify the locality of the various problems and offer solutions to reduce the flood risk and run off, where a conventional engineered flood scheme would be too complex and cannot be afforded. The project will investigate natural flood management, using a range of approaches using the guidelines associated with 'working with natural processes' from changes to land use, holding back flows, new and existing multiple small scale storage ponds, agricultural reservoirs, flow restrictors, flow deviations along with bank and watercourse improvement works.

### **Outcomes**

Funding has been secured for one of the smaller upper catchments (Swaton) this is coming from a DEFRA fund for natural flood management, and is provided to promote innovation in addressing flood risk. The government have been taking a keen interest in the Natural Flood Management projects, and therefore these projects are being scrutinised at a high level.

This leaves several other fast reacting gravity flow upper catchments to consider and using some of the evidence gathered from the Swaton project along with specific evidence from within each unique catchment a programme of works can be prepared to assist with 'slowing, holding or diverting the flow' throughout each catchment in times of heavy rainfall. It is envisaged that some if not all of the techniques identified can be transferred to any highland/upper catchment throughout the Country.

### **Research and Development**

Funding has been secured to employ one Graduate Flood Risk Specialist and one Graduate Farm Engagement Adviser for twelve months, successful candidates will have some previous experience within the industry, either through work placements or post-graduate positions.

The 'Graduates' will be employed by and based in the Black Sluice IDB's offices (Swineshead) using the majority of their time walking the upper catchment waterways from their very origins downstream to our lower catchments.

Engaging with the local farming community, RMA's and other interested organisations with a direction to complete an Outcomes Report towards the end of the twelve-month period.

### **Ideal Timescales**

BSIDB/EA introduction to the catchments – October 2019

Catchment engagement, liaison and agreements – October 2019 to March 2020

Installation of Baseline Monitoring – December 2019 to May 2020

Collate Data and Preparation of Outcomes Report – June 2020 to July 2020

Presentation of Outcomes Report – September 2020

### **Salary**

£26,256

- Working to the guidelines, terms and conditions of the Lincolnshire ADA Lincolnshire Branch Wages and Salaries and Conditions of Service April 2019
- 38 hours per week (ideally 8:45 – 5:00pm Mon - Thursday 8:45 - 4:15pm Friday with half an hour break for lunch)
- 23 days annual holiday + three extra stat days + eight bank holidays (all paid)
- Lincolnshire County Council Local Government Pension Scheme
- Personal mobile phone allowance £100 per annum
- 4x4 commercial pick up provided with fuel for business use (depot to site to depot each day, to be used in conjunction with the Graduate Farm Engagement Adviser)
- Laptop and suitable software will be provided

### **Location**

Based at Swineshead and onsite in our upper catchments which covers an area of approximately 20,000ha covering a general tri-angular area between Sleaford, Bourne and Grantham.

**Please send applications to: [mailbox@blacksluiceidb.gov.uk](mailto:mailbox@blacksluiceidb.gov.uk) with a CV and covering letter.**

**Applications will close on the 20<sup>th</sup> September 2019.**

The 26th September 2019 has been identified as the interview date and the 1st October 2019 has been identified as the start date, there is some flexibility around these dates.