Email Correspondence with Environmental Agency

1. **Re: Your Enquiry: RFI/2019/116318**

Hastings, Robert J <Robert.Hastings@environment-agency.gov.uk>

Thu 2/21/2019 1:59 PM

Antonia Feilden [cm15acf]

F2405\_Skelton\_SG15min\_24Oct2000\_30\_Nov2000.csv

113 KB

F2405\_Skelton\_SG15min\_28Nov2015\_20Jan2016.csv

150 KB

2 attachments (264 KB)

Download all

Save all to OneDrive - University of Leeds

**Our Ref:** RFI/2019/116318

Dear Antonia,  
  
**RE: Do you have the STAGE data for Skelton December 2015 and November 2000?**

**Request for information under the Freedom of Information Act 2000 (FOIA) / Environmental Information Regulations 2004 (EIR)**

Thank you for your enquiry which was received on 8th February 2019.

Please find attached 15 minute stage data from Skelton gauging station for the November 2000 and December 2015 floods.  Our technical team have adjusted / extended the time range a bit to encompass the whole of each flood peak.

The gauge zero datum at Skelton is approximately 4.5 mAOD.  Stage values should be added to this if absolute river levels in mAOD are required.

I hope that we have correctly interpreted your request.  Please see the Open Government Licence ([here](http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/)) for details of permitted use.

We respond to requests for recorded information that we hold under the Freedom of Information Act 2000 (FOIA) and the associated Environmental Information Regulations 2004 (EIR).

If you are not satisfied with our response to your request for information you can contact us within 2 calendar months to ask for our decision to be reviewed.

**We would be really grateful if you could spare five minutes to help us improve our service. Please click on the link below and fill in our survey – we use every piece of feedback we receive:**

<http://www.smartsurvey.co.uk/s/EnvironmentAgencyCustomerSurvey/?a=Y>

If you require any further help, please do not hesitate to contact me.  
  
Yours sincerely

**Rob Hastings**  
Customers and Engagement Team   
**Environment Agency** | Lateral, 8 City Walk, Leeds, LS11 9AT  
[robert.hastings@environment-agency.gov.uk](mailto:robert.hastings@environment-agency.gov.uk)

External: 0207 7141125 | Internal :41125

**Enquiries Team Tel**: 020 847 48174

**Email**: [neyorkshire@environment-agency.gov.uk](mailto:neyorkshire@environment-agency.gov.uk)

1. **Re: Your Enquiry: RFI/2018/108360**

France, Debbie <Debbie.France@environment-agency.gov.uk> on behalf of

NE Yorkshire, Customer Contact <neyorkshire@environment-agency.gov.uk>

Mon 2/11/2019 10:09 AM

Antonia Feilden [cm15acf]

Hi Antonia

Thank you for your below query. Your below enquiry will need to be logged as a fresh request and as such you will receive a further acknowledgement including a new reference number in due course.

**Debbie France**  
Customers and Engagement Team   
**Environment Agency** | Lateral, 8 City Walk, Leeds, LS11 9AT  
  
[debbie.france@environment-agency.gov.uk](mailto:debbie.france@environment-agency.gov.uk)

External: 0203 0254731 | Internal :54731

**Enquiries Team Tel**: 020 847 48174

**Email**: [neyorkshire@environment-agency.gov.uk](mailto:neyorkshire@environment-agency.gov.uk)

NE Yorkshire, Customer Contact <neyorkshire@environment-agency.gov.uk>

Fri 2/8/2019 3:55 PM

Thank you for your email.

If this a request for information, the Freedom of Information Act and Environmental Information Regulations state that a public authority must respond  within 20 working days. However we always aim to provide an answer as soon as possible.

You may wish to look at [www.data.gov.uk](http://www.data.gov.uk/) to see whether the data you have requested is available online.

For further information on what you can expect from us and our full service commitment to you, please visit our website: <https://www.gov.uk/government/publications/environment-agency-customer-service-commitment>.

If you need to speak to someone urgently about your enquiry, you can contact our office on 020 847 48174.

Kind regards

Customers and Engagement Team

Yorkshire Area

Lateral

8 City Walk

Leeds

LS11 9AT

Antonia Feilden [cm15acf]

Fri 2/8/2019 3:54 PM

Hi Debbie,

Thank you for investigating this.

I am just analysing the flow data now for Skelton. Do you have the STAGE data for Skelton December 2015 and November 2000?

I need this to determine the time of flooding.

Kind Regards

Antonia

France, Debbie <Debbie.France@environment-agency.gov.uk>

 on behalf of

NE Yorkshire, Customer Contact <neyorkshire@environment-agency.gov.uk>

Tue 2/5/2019 2:02 PM

Hi Antonia

I am not a hydrology expert, however having checked the original response which was supplied by the Hydrology team, then I am assuming it is for the same reason as that for Skelton ie. *‘because the relationship between stage and flow data may not be consistent, so we do not usually use a rating curve to calculate flow’*

If you do still want me to double check with the technical team then let me know, only it could take up to 20 days to receive a response.

**Debbie France** | **Customers and Engagement Team**

**Environment Agency** | Lateral, 8 City Walk, Leeds, LS11 9AT

Enquiries Team Tel: 020 847 48174 | Email: [neyorkshire@environment-agency.gov.uk](mailto:neyorkshire@environment-agency.gov.uk)

Direct Tel: 020 847 54731 | Email: [debbie.france@environment-agency.gov.uk](mailto:debbie.france@environment-agency.gov.uk)

Antonia Feilden [cm15acf]

Tue 2/5/2019 10:09 AM

Hi Debbie,

Thank you very much for your response and investigating it. Is there a rationale for why they do not? I am curious as they are in central York?

Kind Regards

Antonia

Get [Outlook](https://aka.ms/qtex0l) for iOSvh

France, Debbie <Debbie.France@environment-agency.gov.uk>

Tue 2/5/2019 8:58 AM

Hi Antonia

I checked your below query with our Hydrology team. None of the three sites you mention have rating curves. They only allow measurement of water level, not flow. Skelton is the furthest downstream flow measurement station on the River Ouse.

Hope that helps

Regards

**Debbie France** | **Customers and Engagement Team**

**Environment Agency** | Lateral, 8 City Walk, Leeds, LS11 9AT

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Antonia Feilden [cm15acf]

Mon 1/28/2019 4:55 PM

Hi Debbie,

Thank you very much for emailing across that data. It was really considerate of you to include the Clinfton Ings data and the graph which shows the relationship between flow and stage measurements?

Do you have rating curve reports for the following or are none in existence?

-YorkViking (2000-2001 and 2015-2016)

-FossBarrierOuse (2015-2016)

-CliftonIngsLevel (2000-2001)

Kind Regards

Antonia Feilden

France, Debbie <Debbie.France@environment-agency.gov.uk>

Tue 12/18/2018 11:05 AM

York flood data.zip

145 KB

######################################################################

IT has detected a compressed file attached to this message.

Please note that compressed files can be used to spread computer viruses.

If you were not expecting this file you should not open the attachment

even if you know that the sender is genuine.

IT Service Desk

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+44 113 343 3333

######################################################################

**Our Ref:** RFI/2018/108360

Dear Antonia  
  
**RE: Request for data re York  
Request for information under the Freedom of Information Act 2000 (FOIA) / Environmental Information Regulations 2004 (EIR)**

Thank you for your enquiry which was received on 23 November 2018

In response to your request for:

1.       Stage and flow data for the River Ouse at York Viking Recorder for the October/November 2000 and December 2015 floods:

Stage data for this site is included in the attached zip file.  In the 2000 event, this data was suspect for two periods around and after the peak, so I have also included stage data from the River Ouse at the Foss Barrier for this event only.

The Environment Agency does not measure the flow rate of the river in York city centre.  The flow gauging station is at Skelton, approximately 6km upstream of York Viking Recorder. I have attached the flow data from Skelton. Between Skelton and the city centre lies the flood storage area of Clifton Ings. As river levels rise, water is diverted into this area to help reduce flood levels downstream. I have included files of water level data within Clifton Ings so that you can see when the flood storage area was filling.  I’ve also included a couple of graphs which show the relationship between flood levels rising within the storage area and the flow rate in the river.

The relationship between stage and flow at Skelton is not consistent, so we do not usually use a rating curve to calculate flow here.  Instead, the flow is measured directly by an ultrasonic flow gauge.

Stage at Clifton Ings and the River Ouse at the Foss Barrier is measured in mAOD.  At Viking Recorder it is measured relative to a gauge zero datum of 5 mAOD, so a value of 5.0 should be added to the Viking Recorder measurements to allow comparison with the other sites.

2)  The most current flood mitigation plan for the York area:

The best place to get an overview of the current plans to mitigate flooding in York is on <https://consult.environment-agency.gov.uk/yorkshire/yorkfas/> .  It’s a big subject so I would suggest that you review the data within the link and then should you have any further specific questions – either submit a further enquiry via [neyorkshire@environment-agency.gov.uk](mailto:neyorkshire@environment-agency.gov.uk) i.e. if you require additional data/copies of documents, and for other enquiries go directly to the Flood Alleviation Scheme (FAS) team using the details within the link.

I hope that we have correctly interpreted your request.  Please see the Open Government Licence ([here](http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/" \t "_blank)) for details of permitted use.

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<http://www.smartsurvey.co.uk/s/EnvironmentAgencyCustomerSurvey/?a=Y>

If you require any further help, please do not hesitate to contact me.  
  
Yours sincerely

**Debbie France** | **Customers and Engagement Team**

**Environment Agency** | Lateral, 8 City Walk, Leeds, LS11 9AT

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Direct Tel: 020 847 54731 | Email: [debbie.france@environment-agency.gov.uk](mailto:debbie.france@environment-agency.gov.uk)

1. **Re: 181219/SW12 RE: 181127/CW16 RE: Request for Flood Data: River Ouse, Viking Barrier, November 2000 & December 2015**

Enquiries, Unit <enquiries@environment-agency.gov.uk>

Wed 12/19/2018 3:17 PM

Antonia Feilden [cm15acf]

Good afternoon Antonia,

I have spoken with the team who inform me you should have received their response yesterday.

If you haven’t got the response please respond to this email quoting C&E Yorks reference number 108360

Kind regards

Steve Whittingslow

National Customer Contact Centre

Environment Agency

( Tel: 03708 506 506

: Web Site: [www.gov.uk/environment-agency](http://www.gov.uk/environment-agency)

Click an icon to keep in touch with us:-

**From:** Antonia Feilden [cm15acf] [mailto:cm15acf@leeds.ac.uk]   
**Sent:** 17 December 2018 15:24  
**To:** Enquiries, Unit <enquiries@environment-agency.gov.uk>; Scott, Mark <mark.r.scott@environment-agency.gov.uk>  
**Subject:** Re: 181127/CW16 RE: Request for Flood Data: River Ouse, Viking Barrier, November 2000 & December 2015

Good Afternoon,

I am a Mathematics student at the University of Leeds and am currently researching historical flood events in the city of York. I have the intention of quantifying flooding and the effectiveness of proposed flood mitigation strategies outlined in the EA 5 year plan published in 2016. (<https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/568910/EA_York_Flood_Action_Plan__FINAL.pdf>)

|  |
| --- |
| [how we’re reducing the risk of flooding for York](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/568910/EA_York_Flood_Action_Plan__FINAL.pdf)  assets.publishing.service.gov.uk  4 Environment Agency Our 5-year plan Environment Agency Our 5-year plan 5 We are currently working with City of York Council and other partners to ensure we invest the additional funding that has been allocated to York, |

I have not received the data I requested on 23-NOV-2018. Please could you give me an update on this situation.

To clarify this is the following:

1) Data for the River Ouse from the **Viking Barrier** ( also known as **Viking Recorder Station**)  station, York for the following dates:

November 2000

-Stage and time

-Flow and time

-Rating curve (version in date at that time period)

December 2015

-Stage and time

-Flow and time

-Rating curve (version in date at that time period)

2) The most current flood mitigation plan for the York area

Kind Regards

Antonia Feilden