



West Winch Housing Access Road

Environmental Statement Chapter 11: Water Appendix E: EA & IDB Correspondence

Author: WSP

Document Reference: NCC/3.11.01e

Version Number: 01

Date: December 2023



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1 Introduction

- 1.1.1 This document contains details of consultation correspondence with the Environment Agency and the Downham Market Group of Internal Drainage boards regarding the West Winch Housing Access Road Proposals. If you require this document in a more accessible format please contact westwinchhar@norfolk.gov.uk.

Howard Palmer
WSP
Howard.Palmer@wsp.com

Our ref EAn/2021/209904
Date 09 April 2021

Dear Howard

**RE: Request for information under the Freedom of Information Act 2000 (FOIA)/
Environmental Information Regulations 2004 (EIR) – Product 4 for West Winch
Housing Access Road**

Thank you for your email of 5 March 2021. Please accept our apologies for the delay in responding.

We respond to requests under the Freedom of Information Act 2000 and Environmental Information Regulations 2004.

The Flood Map in this area is the result of the Environment Agency's Wash modelling (2019). The site is predominantly within flood zone 1 and so outside of the area shown to be impacted by a 1% or 0.1% undefended scenario in this modelling.

We do not have detailed modelling relevant to the site beyond the extents shown in the Flood Map for Planning, and so are unable to provide a product 4.

There are no main rivers in the vicinity of the site. For details of ordinary watercourses you will need to contact the Lead Local Flooding Authority, Norfolk County Council.

Please see attached defence data.

There are no flood defence/alleviation improvement schemes.

We have no Breach Hazard data for the area highlighted in red on your attached map. The site falls outside of the combined breach extents of the Environment Agency's Tidal Hazard Mapping. (This modelling is for a 0.5% Annual Exceedance Probability scenario including allowance for climate change for a breach of the Tidal River Ouse defences).

We have no Breach Hazard data for the area highlighted in red on your attached map.

Lead Local Flooding Authorities (LLFA) are responsible for managing local flood risk from ordinary watercourses, surface water flooding and groundwater flooding.

You should check with the LLFA as they may have more up to date information regarding this type of flooding.

The Risk of Flooding from Surface Water Flood Map can be viewed and downloaded as a PDF file on GOV.UK by following this link:

<https://flood-warninginformation.service.gov.uk/long-term-flood-risk>

East Anglia Area

Ipswich Office, Icen House, Cobham Road, Ipswich, Suffolk, IP3 9JD
Brampton Office, Bromholme Lane, Brampton, Huntingdon, PE28 4NE
General Enquiries: 03708 506506
Email: enquiries@environment-agency.gov.uk
Website: <https://www.gov.uk/government/organisations/environment-agency>

There are no flood warning systems in the area.

We do not have any records of groundwater flooding at or within the vicinity of road development. However, the Environment Agency is not the lead authority on groundwater flooding. If the enquirer would like further information about flooding from groundwater they should contact their Lead Local Flood Authority. The LLFA is either the unitary authority or the county council for their area.

There are no Environment Agency groundwater level monitoring boreholes within approximately 3km of the proposed road development. If this information would be useful to the applicant, then H&T can provide level data once for monitoring boreholes within a search radius specified by the applicant. The applicant may be able to find historic water level information from boreholes closer to their development from logs available on the British Geological Survey website.

We have no historic flood event information for this area. It is possible that other flooding may have occurred that we do not have records for, and other organisations such as: local authorities or IDBs may have records.

We can confirm that we do not have any apparatus or pipelines within or nearby the area of request.

No specific treatment of surface run off is required.

For information on surface water drainage design you will need to contact the Lead Local Flooding Authority, Norfolk County Council.

Please read the Open Government Licence: www.nationalarchives.gov.uk/doc/open-government-licence/version/3/ which explains the permitted use of this information.

We have considered your request under the provisions of the Freedom of Information Act 2000 / Environmental Information Regulations 2004 (EIR). The Act requires that we respond to requests by advising you whether or not information is held, and if so by providing you with that information.

EIR Regulation 3(2) states that information is held if it is in our possession and has been produced or received by us, or it is held by another person on our behalf at the time the request is received.

Information not held

In this case, the Product 4 & 8 information you have requested is not held by us. Therefore we are refusing your request on the grounds that there is no information we can provide.

Where a request is for environmental information, the Regulations allow us to refuse to disclose it if the exception at EIR Regulation 12(4)(a) applies. The regulation states that a public authority may refuse to disclose environmental information to the extent that it does not hold that information when an applicant's request is received.

It is not possible for us to conduct a public interest balancing test because the reason for non-disclosure is that the information is not held.

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Brampton Office, Bromholme Lane, Brampton, Huntingdon, PE28 4NE
General Enquiries: 03708 506506

Email: enquiries@environment-agency.gov.uk

Website: <https://www.gov.uk/government/organisations/environment-agency>

However, please refer to the Flood Map for Planning (Product 1) which can be found on the GOV.UK website: <https://flood-map-for-planning.service.gov.uk/>

Flood Zone definitions can be found at www.gov.uk/guidance/flood-risk-and-coastal-change#Table-1-Flood-Zones

Rights of appeal

If you are not satisfied you can contact us within 2 calendar months to ask for our decision to be reviewed. We shall review our response to your request and give you our decision in writing within 40 working days.

If you are still not satisfied following this, you can raise a concern with the Information Commissioner, who is the statutory regulator for Freedom of Information and the Environmental Information Regulations. The contact details are:

Information Commissioner's Office
Wycliffe House
Water Lane
Wilmslow
Cheshire
SK9 5AF
Tel: 0303 123 1113
Website: <http://ico.org.uk>.

Yours sincerely

Teresa Chapman

Teresa Chapman
Customers & Engagement Officer

Customers and Engagement Team
02030 255472

East Anglia Area

Ipswich Office, Icen House, Cobham Road, Ipswich, Suffolk, IP3 9JD
Brampton Office, Bromholme Lane, Brampton, Huntingdon, PE28 4NE
General Enquiries: 03708 506506
Email: enquiries@environment-agency.gov.uk
Website: <https://www.gov.uk/government/organisations/environment-agency>

From: [Thornton, Jenna](#)
To: [Leslie, Joe](#)
Cc: [Berryman, James](#)
Subject: RE: EAN/2019/132016-1 - West Winch
Date: 16 August 2019 11:26:27
Attachments: [image001.png](#)
[image002.jpg](#)
[image003.jpg](#)
[image004.jpg](#)
[image005.jpg](#)
[image006.jpg](#)
[image007.png](#)
[image008.png](#)
[image009.jpg](#)
[Undefended Model Flood Outlines 0.5% ref 132016-1.pdf](#)
[Undefended Model Flood Outlines ref 132016-1.pdf](#)

Morning Joe,

I've had a look into the modelling that we hold for this area; it is our Tidal Hazard mapping model. The outputs we have from this model which infer the flood zones are actually 1 in 1000 year (0.1% AEP), and 1 in 200 year (0.5% AEP). These represent flood zone 2, and flood zone 3, respectively. Apologies for any confusion.

The defended runs in this area show that the level remains in-channel (Tidal River Great Ouse), and given the distance to your site, these maps were therefore not provided as part of the Product 4.

I have, however, mapped the flood depths that have been generated from the undefended runs (1 in 1000 year & 1 in 200 year). Since flood zone 3 does not encroach on your site, the 1 in 200 year map may not be of as much interest as the 1 in 1000 year (Flood Zone 2) map. We do not have this with a climate change allowance added.

Information regarding any relevant flood defences should have been provided by our Customers and Engagement team within the Product 4 information; do you have this?

Please let me know if you require any further information.

Kind regards,
Jenna

From: Leslie, Joe [mailto:Joe.Leslie@wsp.com]
Sent: 13 August 2019 15:33
To: Thornton, Jenna <Jenna.Thornton@environment-agency.gov.uk>
Cc: Berryman, James <James.Berryman@wsp.com>
Subject: RE: EAN/2019/132016-1 - West Winch

Hi Jenna,

Thank you very much for your response and confirmation, that certainly makes sense. On the back of this would you please be able to provide the following for this area?

- Peak flood level for 1:100yr
- Peak flood level for 1:100yr + Climate Change if available
- Peak flood level for 1:1000yr
- Flood defence levels

Many thanks

Kind regards

Joe Leslie BEng (Hons) MSc
Assistant Engineer

Development Infrastructure



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CB2 1LA

wsp.com

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From: Thornton, Jenna [<mailto:Jenna.Thornton@environment-agency.gov.uk>]

Sent: 12 August 2019 12:40

To: Leslie, Joe <Joe.Leslie@wsp.com>

Subject: RE: EAN/2019/132016-1 - West Winch

Dear Joe,

We can confirm that the North of your site does fall into Flood Zone 2; and as you rightly point out, our maps show that the Flood Zone 3 outline does not protrude onto the area. The area benefitting from defence should not, however, be considered as a defended area when it lies in Flood Zone 2, but not in Flood Zone 3. This is due to the definition of our areas benefitting from defence as those that are protected from a 1% AEP flood event (1 in 100 year return period). Flood Zone 3 represents a 1% AEP flood event, whereas Flood Zone 2 represents a 0.1% AEP flood event. Therefore sites that lie within Flood Zone 2 (and not Flood Zone 3) would not be protected by defences. We apologise for the confusion; we are currently undergoing work on the areas benefitting from defences as shown in our flood maps, with the aim of making these more realistic and accurate.

Please let me know if you have any further questions.

Kind regards,
Jenna

Jenna Thornton

Team Member, Partnerships and Strategic Overview Team

Environment Agency, Bromholme Lane, Brampton, Huntingdon, Cambridgeshire, PE28 4NE

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Please get in touch if you have any further queries or contact us within two months if you would like us to review the information we have sent.

From: Leslie, Joe [<mailto:Joe.Leslie@wsp.com>]
Sent: 06 August 2019 16:52
To: Enquiries_EastAnglia <Enquiries_EastAnglia@environment-agency.gov.uk>
Cc: Berryman, James <James.Berryman@wsp.com>; Groom, Anthony <Anthony.Groom@wsp.com>
Subject: RE: EAN/2019/132016 - West Winch

Many thanks for the information Karen,

Please would you be able to provide a point of clarification?

You mention in the letter that an area of the site falls within flood zone 3, I have downloaded your flood zone information as a shapefile from the link in your letter and plotted it against our proposed alignment. It would seem that the flood zone 3 area does not extend over our alignment (attachment 1) but the area benefiting from flood defences does (attachment 2) , additionally flood zone 2 (attachment 3) does appear to cover the alignment, please could you confirm the alignment lies in flood zone 2 within an area benefiting from flood defences, not flood zone 3?

Thanks

Joe Leslie *BEng (Hons) MSc*
Assistant Engineer

Development Infrastructure



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From: Enquiries_EastAnglia [mailto:Enquiries_EastAnglia@environment-agency.gov.uk]
Sent: 17 July 2019 09:29
To: Leslie, Joe <Joe.Leslie@wsp.com>
Subject: EAN/2019/132016 - West Winch

Dear Joe

Thank you for your enquiry of 18 June 2019 about your work in West Winch. Please find our response and information attached.

If we can be of further help, please do contact us.

Regards



Karen Brown

Customers & Engagement Officer, Customers & Engagement Team, East Anglia Area

Environment Agency | Icen House, Cobham Road, Ipswich IP3 9JD

Environment Agency | Bromholme Lane, Brampton, Huntingdon, Cambridgeshire, PE28 4NE

enquiries_eastanglia@environment-agency.gov.uk

External: 0203 02 55472

Working days: Monday, Tuesday, Wednesday



cid:image052.png@01D49624.C9477700



cid:image053.png@01D49624.C9477700



cid:image008.jpg@01D2E50F.9815A070



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From: [Thornton, Jenna](#)
To: [Leslie, Joe](#)
Subject: RE: EAN/2019/132016-1 - West Winch
Date: 12 August 2019 12:41:44
Attachments: [image001.png](#)
[image002.jpg](#)
[image003.jpg](#)
[image004.jpg](#)
[image005.jpg](#)
[image006.jpg](#)
[image007.png](#)
[image008.png](#)
[image009.jpg](#)

Dear Joe,

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Kind regards,
Jenna

Jenna Thornton

Team Member, Partnerships and Strategic Overview Team

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Thanks

Joe Leslie *BEng (Hons) MSc*
Assistant Engineer

Development Infrastructure



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Regards



Karen Brown

Customers & Engagement Officer, Customers & Engagement Team, East Anglia Area

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Palmer, Howard

From: Laura Bacon <laura@downhamidbs.org.uk>
Sent: 04 March 2021 16:12
To: Palmer, Howard
Subject: RE: West Winch Housing Access Road, West Winch, Norfolk

Categories: West Winch

Dear Howard,

Further to your email sent on 22nd February relating to the above, please find our comments below –

- Confirmation that the watercourses in the vicinity of the site are controlled by IDB; **I attach a link to a copy that shows the Board's district boundary and the watercourses it maintains. [East of Ouse District Map – Downham Market IDBs](#)**
- Details of existing flood defences relevant to the site including estimated standard of protection; **The area within the redline is outside the Board's district, but it is inside its catchment and hence water shed from any development will end up passing into the Board's district. Consent will be required for any increase in flows as compared to the developed site. Covering all return period storm events up to and including the 1 in 100 year event plus a 40% allowance for climate change.**
- Details of any flood defence/alleviation improvement schemes and what level of protection they will offer; **There are not in the area of development under the Board's control**
- Site specific breached flood level data including flood hazard classifications; **None known**
- Historic flooding information **Not known as outside the district.**
- Details of any groundwater flooding issues and ground water levels; **Not known as outside the district.**
- Details of any easements from the identified IDB watercourses; **None as outside the Board's district**
- Any further information you feel is relevant to assist with the preparation of a FRA. **The villages of West Winch and North Runcton are the subject of a Parish Plan and this contains a strategic surface Water Plan which should be referenced and taken into account in relation to any development in this area.**

The locations of pumping station are shown on the District plan referred to earlier but pumping arrangements are unlikely to have any direct impact upon the area within the redline.

Best regards,

Andrew Newton
General Manager

From: Palmer, Howard [mailto:Howard.Palmer@wsp.com]
Sent: 22 February 2021 14:34
To: jean@downhamidbs.org.uk
Cc: Groom, Anthony <Anthony.Groom@wsp.com>; Leslie, Joe <Joe.Leslie@wsp.com>
Subject: West Winch Housing Access Road, West Winch, Norfolk

Dear Sir/Madam,

West Winch Housing Access Road, West Winch, Norfolk

Grid Reference: 563779, 316179

Request for Information

I am writing on behalf of our client, with regard to the proposed road in West Winch, Norfolk. Please find attached a location plan indicating the site location.

I have listed below a number of queries for this site and would be grateful if you could provide any details on (where available).

- Confirmation that the watercourses in the vicinity of the site are controlled by IDB;
- Details of existing flood defences relevant to the site including estimated standard of protection;
- Details of any flood defence/alleviation improvement schemes and what level of protection they will offer;
- Site specific breached flood level data including flood hazard classifications;
- Historic flooding information
- Details of any groundwater flooding issues and ground water levels;
- Details of any easements from the identified IDB watercourses;
- Any further information you feel is relevant to assist with the preparation of a FRA.

We have also been informed by the LLFA that we need *'to show how IDB pumping may effect water levels in the watercourses and how it may impact on conveyance from the site'*. Therefore, any information related to pumping you could send to us would be very helpful.

If you require any further information regarding the site to assist with our queries, please do not hesitate to contact me. I would also be grateful if you could inform me on any associating cost for any data at your earliest possible convenience.

Best regards

Howard Palmer MCIHT

Associate



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From: Thornton, Jenna [mailto:Jenna.Thornton@environment-agency.gov.uk]
Sent: 16 August 2019 11:26
To: Leslie, Joe <Joe.Leslie@wsp.com>
Cc: Berryman, James <James.Berryman@wsp.com>
Subject: RE: EAN/2019/132016-1 - West Winch

Morning Joe,

I've had a look into the modelling that we hold for this area; it is our Tidal Hazard mapping model. The outputs we have from this model which infer the flood zones are actually 1 in 1000 year (0.1% AEP), and 1 in 200 year (0.5% AEP). These represent flood zone 2, and flood zone 3, respectively. Apologies for any confusion.

The defended runs in this area show that the level remains in-channel (Tidal River Great Ouse), and given the distance to your site, these maps were therefore not provided as part of the Product 4.

I have, however, mapped the flood depths that have been generated from the undefended runs (1 in 1000 year & 1 in 200 year). Since flood zone 3 does not encroach on your site, the 1 in 200 year map may not be of as much interest as the 1 in 1000 year (Flood Zone 2) map. We do not have this with a climate change allowance added.

Information regarding any relevant flood defences should have been provided by our Customers and Engagement team within the Product 4 information; do you have this?

Please let me know if you require any further information.

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Jenna

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Hi Jenna,

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- Peak flood level for 1:100yr
- Peak flood level for 1:100yr + Climate Change if available
- Peak flood level for 1:1000yr
- Flood defence levels

Many thanks

Kind regards

Joe Leslie BEng (Hons) MSc
Assistant Engineer

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Kind regards,
Jenna

Jenna Thornton

Team Member, Partnerships and Strategic Overview Team

Environment Agency, Bromholme Lane, Brampton, Huntingdon, Cambridgeshire, PE28 4NE

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To: Enquiries_EastAnglia <Enquiries_EastAnglia@environment-agency.gov.uk>
Cc: Berryman, James <James.Berryman@wsp.com>; Groom, Anthony <Anthony.Groom@wsp.com>
Subject: RE: EAN/2019/132016 - West Winch

Many thanks for the information Karen,

Please would you be able to provide a point of clarification?

You mention in the letter that an area of the site falls within flood zone 3, I have downloaded your flood zone information as a shapefile from the link in your letter and plotted it against our proposed alignment. It would seem that the flood zone 3 area does not extend over our alignment (attachment 1) but the area benefiting from flood defences does (attachment 2), additionally flood zone 2 (attachment 3) does appear to cover the alignment, please could you confirm the alignment lies in flood zone 2 within an area benefiting from flood defences, not flood zone 3?

Thanks

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Assistant Engineer

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From: Enquiries_EastAnglia [mailto:Enquiries_EastAnglia@environment-agency.gov.uk]

Sent: 17 July 2019 09:29

To: Leslie, Joe <Joe.Leslie@wsp.com>

Subject: EAN/2019/132016 - West Winch

Dear Joe

Thank you for your enquiry of 18 June 2019 about your work in West Winch. Please find our response and information attached.

If we can be of further help, please do contact us.

Regards



Karen Brown

Customers & Engagement Officer, Customers & Engagement Team, East Anglia Area

Environment Agency | Icen House, Cobham Road, Ipswich IP3 9JD

Environment Agency | Bromholme Lane, Brampton, Huntingdon, Cambridgeshire, PE28 4NE

enquiries_eastanglia@environment-agency.gov.uk

External: 0203 02 55472

Working days: Monday, Tuesday, Wednesday



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