



# Goole & Airmyn

Internal Drainage Board

**Virtual Meeting**

**Microsoft Teams**

**Log-in Instructions to be issued nearer the date**

## **Meeting Papers**

**Wednesday, 11 November 2020**

**3:00pm**



# Shire

Group of IDBs

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## Meeting Papers

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## Purpose

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# 1. Governance

## Recommendations:

- Note the information contained in this report
- Approve Minute of Meeting (Item 1.3)
- Acknowledgement of Board KPI's (Item 1.6)

## 1.1 Apologies for Absence

## 1.2 Declaration of Interest

## 1.3 Minutes of the Meeting held 20 October 2020

Member	23.5 .18	13. 11. 18	12.2. 19	22 .5. 19	13. 11. 19	13. 02. 20	10.0 6.20	20.10.20
Mrs Rosemary J Webster (Chair)	✓	✓	✓	✓	✓	✓	✓	✓
Mr John Richard Fawbert	✓	✓	✓	✓	✓	✓	✓	A
Mr Graham W Martinson	-	-	-	✓	-	-	-	-
Mrs Rita Brough	✓	✓	✓	✓	✓	✓	✓	✓
Mr Mally Boatman	✓	✓	✓	✓	✓	✓	✓	✓
Mr Keith Moore (Vice Chair)	A	A	A	✓	✓	✓	✓	✓
<b>ERYC</b>								
Mr Brent Huntington	✓	A	✓	A	✓	✓	✓	✓
Cllr Liz Sargeantson					Ne w -	-	✓	✓
Cllr Nick Coultish					Ne w ✓	A	✓	-
Cllr David Jeffreys					Ne w ✓	A	✓	Unable to access
Cllr Barbara Jeffreys					Ne w ✓	A	✓	Unable to access
Cllr Anne Handley					Ne w ✓	A	✓	-

### In attendance on behalf of JBA Consulting, Clerk and Engineer:

Craig Benson (Clerk)	Clerk
Roger Smith (Engineer)	Eng.
Alison Briggs (Environment)	EO
Janette Parker (Ratings Officer and Administrator)	RO

## GOVERNANCE

2020.63. Apologies for Absence – Richard Fawbert

**2020.64.** Declaration of Interest – BH in Westbourne Grove culvert proximal to home.

**2020.65.** Minutes of Meeting 10 June 2020 – KM moved, RB seconded, all in agreement.

#### ENGINEER'S REPORT

**2020.66.** Maintenance – culvert Westbourne Grove and Sir Len Hutton Drive – Eng. advised following last meeting when issue raised, had checked back in Board records. Members noted information contained in the papers. ERYC had added additional assets to the culverted section which does not discharge into the Board system but into the highway drains and to Yorkshire Water pump station. Board drainage infrastructure separate system. KM advised it would be inappropriate for Board to undertake work on ERYC asset, particularly as access is impossible as byelaw easement does not exist. RB noted some gardens had been extended over the culvert; Members noted they would accrue liability for that action in terms of culvert responsibility. **KM proposed Board does not undertake any works of any description on the culvert, seconded by RB, all in favour.**

**2020.67.** Any Matters Arising from Minutes of June meeting will be discussed at the November meeting.

### 1.4 Matters arising not discussed elsewhere on Agenda

Matters arising from the June meeting:

**2020.40** – KPI now reflect Flooding Learning as Good.

**2020.42** – Rules as to Proceedings – The wording shown within the June 2020 meeting papers associated with Rules as to Proceedings, often known as Standing Orders is taken verbatim from the wording of the Land Drainage Act 1991 and cannot be amended.

**2020.46** – ADA – outline of District has been issued to ADA.

**2020.51** – Accounts y/3 31.3.2020 – The issue of outstanding debt write-off has been reinvestigated. The position remains the same as when the decision was made in 2019; insufficient information can be found to pursue the 2015 invoice which arose under the Board's previous management.

### 1.5 FOI/Complaints

Status	Date Received	Submitted By:-	Acknowledged by:-	Format	Concerning	Nature of Complaint/FOI request	Dealt with by:-	Response / Action Taken	Matter resolved to satisfaction of Complainant	Location of Correspondence
Complain	06.05.2020 and subsequent correspondence	Mr Rogers	RS	email	Environmental Vandalism around Hook	Dredging, dried watercourses, lack of environmental protection	RS	17 May, 23 July, 24 July, 27th July, 17 August, 3 September	uncertain	2015s3683-05-4-2-L003-002,003, 004, 005, 006,007, 008, 009, 010, 011, 012, 013, 014

## 1.6 Board Key Performance Indicators

The table presents a reasonable assessment of Board status.

Goole & Airmyn IDB Key Performance Indicators		Inadequate	Work to be done	Adquate	Good	Very good
Management of the Board	Compliance with internal audit requirements					
	Governance					
	Health & safety					
	Partnership working					
	OVERALL					
Reduction of water logging and flood risk to assets	Asset management					
	Flood Risk management					
	Flooding - learning					
	OVERALL					
Environment	Biodiversity Action Plan					
	Partnership working					
	OVERALL					
Financial	Financial statements					
	Drainage rate collection					
	OVERALL					

## 2. Clerks Report

### Recommendation:

- Note information contained in the report
- Approve the addition of the Senior Financial Officer as a signatory on the Board's bank account (Item 2.4.1)
- Approval to reconstitution of Board to 6 elected members and 7 council nominated members (Item 2.5)

### 2.1 Legislation

Nothing to report.

### 2.2 Policy

The Board's policies will be subjected to their annual review and any proposed changes will be brought to the Board meeting in the new year.

### 2.3 Environment Agency

#### 2.3.1 National Flood & Coastal Erosion RMS

Following national consultation to which a response was given on behalf of Boards within the Group, the proposed National Strategy was put before Parliament in the summer. The Strategy sets out what is required of Risk Management Authorities in terms of linking their flood risk management activities including plans and strategies consistently with the National Strategy. A link to the document can be found here:

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/899498/National\\_FCERM\\_strategy\\_for\\_England.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/899498/National_FCERM_strategy_for_England.pdf)

The Board is recommended to instruct a review of the current approved Flood Risk Management policy and the Clerk to bring to the January meeting any proposed amendments required in line with the new Strategy.

Linked to this is the new National Flood Risk Assessment (NaFRA2). The aim is to produce richer information about flooding from main and ordinary watercourses, the sea and surface water, for now and in the face of climate change. The new information once collated will be available in 2024. The Engineer has responded, on behalf of the Board, to the EA and provided data that is currently available.

#### 2.3.2 DEFRA – Precept Contributions

With DEFRA support, the Environment Agency have recently commenced a project to review how the precept levied is set, raised, spent and reported within the current framework. The review has highlighted regional variations across the country. Consequently, the EA are investigating updating its operation guidance to ensure a more consistent and transparent approach is taken.

#### 2.3.3 Humber FRMS 2100+

The Agency released a newsletter in August which can be viewed at Appendix A.

## **2.4 Banking**

### **2.4.1 Mandate**

With Board approval, it is the intention to add the Senior Financial Officer as a signatory on the Board's bank account.

### **2.4.2 Barclays Dormant Account**

This has now been found by Barclays and steps have been taken to transfer the funds to the Barclays saving account.

### **2.4.3 Barclays Savings Account**

The Board have received a letter from the bank confirming their intention to place the account in Dormant because of the lack of transactions. Following receipt of the funds from the old dormant account, all monies will be transferred to Lloyds Bank Account.

### **2.4.4 HSBC Accounts**

The Board has also received a letter from HSBC advising that the current account with them will be closed due to lack of transactions. Steps are being taken to transfer the balance to the Lloyds Bank Account.

## **2.5 Board Membership**

The Board has experienced long-standing issues associated with recruitment of both Elected and Charging Authority Member appointment in accordance with its Statutory Instrument Constitution.

It is recommended that Board considers reconstitution to a smaller size reflecting the current attendance levels. The Land Drainage Act 1991 is not concerned with Charging Authority nominees, the Board overall size being determined by the number of Elected Members, which then permits the Charging Authority to nominate its bare majority where Board income is dominated by Special Levy. It is suggested reconstitution to 6 Elected Members which will provide ERYC with 7 nominated seats, the overall size of the Board will become 13.

Board approval is required in order the process can commence.



## 3. Financial Report

### Recommendations:

- To note the information contained in this report
- To approve the schedule of payments

### 3.1 Rating Report

Details of the Rates and Special Levies issued and payments received up to and including 27<sup>th</sup> October 2020: -

	£	£
Balance Brought forward at 1 April 2020		NIL
<b>2020/2021 Drainage Rates and Special Levies</b>		
Drainage Rates		5,486.17
Special Levies – East Riding of Yorkshire Council	253,084.00	253,084.00
<b>Total Drainage Rates Due</b>		<b><u>258,570.17</u></b>
<b>Less Paid: -</b>		
Drainage Rates		5,452.36
Special Levies – East Riding of Yorkshire Council	126,542.00	126,542.00
<b>Total Drainage Rates Paid</b>		<b><u>131,994.36</u></b>
<b>Balance Outstanding as at 27<sup>th</sup> October 2020</b>		<b><u>126,575.81</u></b>

## 3.2 List of Payments

Payments made since those reported at the previous meeting:

DATE	REF	PAYEE	DESCRIPTION	TOTAL	
				PAYMENT	
<b>2020</b>				<b>£</b>	
May	4th	-	Lloyds Bank plc	Lloyds Commercial Fees	50.00 *
	6th	2	Public Works Loan Board	Loan Repayment	3,687.02 *
	14th	6	Vodafone	Telemetry Lines	39.40 *
	19th	-	Lloyds Bank plc	Bank Fees	3.90 *
			HSBC	Bank Fees	6.50 *
	20th	8	Woldmarsh Producers Ltd	Supply to Orchard Cottage PS	151.86 *
				Supply to Hook Clough PS	1,204.52 *
				Supply to Southfield Lane PS	163.54 *
				Membership Fees	270.00 *
	29th	80-1	Danvm Drainage Commissioners	Website Hosting Fees, First Aid kits, etc.	262.77
		4	JBA Consulting	Management Fees - April 2020	3,526.57
		82	Sweeting Brothers Ltd	Maintenance	3,526.20
Jun	2nd	-	Lloyds Bank plc	Lloyds Commercial Fees	50.00 *
	15th	7	Vodafone	Telemetry Lines	39.40 *
	18th	-	HSBC	Bank Fees	6.50 *
	19th	-	Lloyds Bank plc	Bank Fees	7.96 *
	22nd	12	Woldmarsh Producers Ltd	Supply to Orchard Cottage PS	110.07 *
				Supply to Downes Ground PS	2,759.59 *
				Supply to Potter Grange PS	361.39 *
		8	Brodericks GBC	Internal Audit Fee 2019/20	1,314.00
		10	JBA Consulting	Management Fees - May 2020	3,526.57
		5	Sweeting Brothers Ltd	Maintenance	560.28
Jul	3rd	-	Lloyds Bank plc	Lloyds Commercial Fees	50.60 *
	15th	11	Vodafone	Telemetry Lines	39.40 *
	19th	-	HSBC	Bank Fees	6.50 *
	20th	-	Lloyds Bank plc	Bank Fees	5.18 *
	21st	13	Environment Agency	Flood Defence Levy	34,430.00
		14	JBA Consulting	Management Fees - June 2020	4,936.57
		16	Towergate Insurance	Insurances	7,097.03
Aug	3rd	-	Lloyds Bank plc	Lloyds Commercial Fees	50.60 *
	13th	19	Vodafone	Telemetry Lines	39.40 *
	18th	-	Lloyds Bank plc	Bank Fees	5.59 *
		-	HSBC	Bank Fees	6.50 *
	19th	15	Information Commissioner	Data Protection Registration	35.00 *
	20th	17	Woldmarsh Producers Ltd	Supply to Orchard Cottage PS	217.93 *
				Supply to Hook Clough PS	212.13 *
				Supply to Southfield Lane PS	77.50 *
				Membership Fees	156.86 *
Sep	1st		JBA Consulting	Fee Accounts: -	
		18		Management Fees - July 2020	3,526.57
		20		BAP Implementation - July 2020	3,307.20
		21-5	LAW Electrical (Selby) Ltd	Pumping Station Maintenance	1,384.68
	4th	-	Lloyds Bank plc	Lloyds Commercial Fees	50.60 *
	15th	31	Vodafone	Telemetry Lines	39.40 *
	18th	-	HSBC	Bank Fees	6.50 *
	21st	29	Woldmarsh Producers Ltd	Supply to Orchard Cottage PS	150.11 *
				Downes Ground PS	728.21 *

				Potter Grange PS	327.88	*
		-	Lloyds Bank plc	Bank Fees	0.80	*
	30th	26	JBA Consulting	Management Fees - Aug 2020	3,526.57	
		28	The Courtyard	Meeting Expenses	76.80	
			<b>Total Amount of all Payments</b>		<b>82,120.15</b>	
			<b>*Total Amount of Direct Debits &amp; Cheques Approved by the Clerk Only</b>			<b>11,118.34</b>

### 3.3 Audit

#### 3.3.1 Internal Audit

Nothing to report.

#### 3.3.2 External Audit

The External Audit for 2019/20 is complete with no issues giving cause for concern that relevant legislation and regulatory requirements have not been met. A copy of the AGAR can be viewed at:

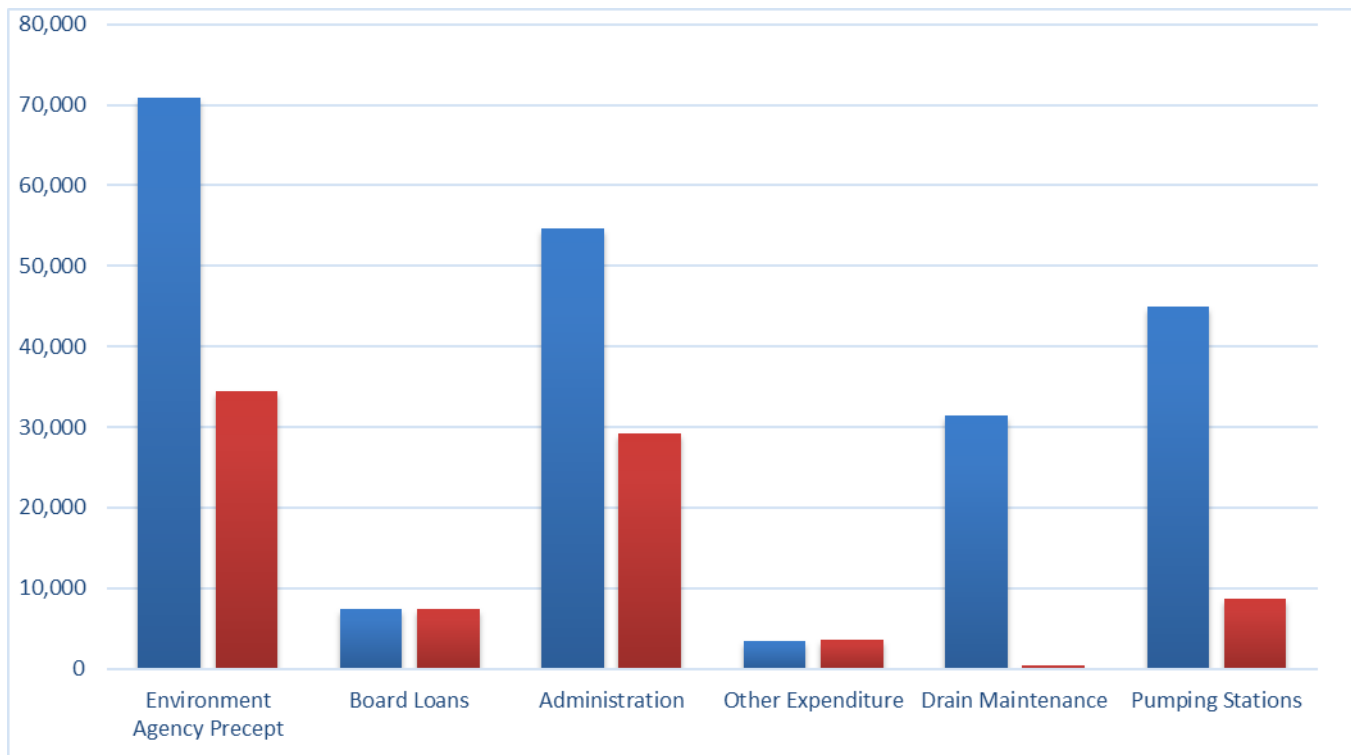
<https://www.shiregroup-idbs.gov.uk/idbs/goole-airmyn/financial/financial-documents/annual-return/>

#### 3.3.3 Internal Audit Review Meeting

The Internal Audit Review meeting is due to take place on Monday, 23 November 2020 and will commence at 10.00am. It is expected to be a *virtual* meeting.

### 3.4 Budget Comparison for the Year Ended 2021

<b>GOOLE AND AIRMYN INTERNAL DRAINAGE BOARD</b>					
<b>ESTIMATES FOR THE YEAR ENDING 31ST MARCH 2021</b>					
<b>2020/21</b>				<b>26/10/2020</b>	<b>2020/21</b>
<b>Approved Estimate</b>		<b>Budget Todate</b>			<b>% of Budget</b>
<b>£</b>	<b>£</b>	<b>£</b>	<b>£</b>		
				<b>INCOME</b>	
				<b>Drainage Rates on District 1:-</b>	
196		196		4.9p in £ on Av of £4,004	100%
				<b>Drainage Rates on District 2:-</b>	
5,290		5,106		4.9p in £ on Av of £108,079	
				<b>Special Levies</b>	
				<b>East Riding of Yorkshire - District 1</b>	
244,097		126,542		4.9p in £ on Av of £4,981,575	52%
				<b>East Riding of Yorkshire - District 2</b>	
8,987				4.9p in £ on Av of £183,404	
				<b>Other Income:-</b>	
20,000		0		Department of Transport	0%
50		50		Other Income	100%
0		0		Grant in Aid	0%
0	278,620	82	131,780	Bank Interest	0% <b>47%</b>
				<b>EXPENDITURE</b>	
70,926		34,430		Environment Agency Precept	49%
7,374		7,374		Board Loans	100%
54,595		29,195		Administration	53%
3,500		3,554		Other Expenditure	102%
31,500		467		Drain Maintenance	1%
44,975	212,870	8,701	83,721	Pumping Stations	19% <b>39%</b>
	65,750		48,059	Surplus - (Deficit)	<b>73%</b>
	232,283		268,707	Balance Brought Forward	
	75,000		0	Transfer to Capital Reserve Acc	
	<b>223,033</b>		<b>316,766</b>	<b>Balance Carried Forward</b>	



<b>GOOLE AND AIRMYN INTERNAL DRAINAGE BOARD</b>						
<b>CAPITAL RESERVE ACCOUNT</b>						
<b>ESTIMATES FOR THE YEAR ENDING 31ST MARCH 2021</b>						
<b>2020/21</b>				<b>26/10/2020</b>	<b>2020/21</b>	
<b>Approved Estimate</b>		<b>Budget Todate</b>			<b>% of Budget</b>	
<b>£</b>	<b>£</b>	<b>£</b>	<b>£</b>		<b>£</b>	<b>£</b>
<b>INCOME</b>						
0		0		Contribution from Other Accounts	0%	
0		0		Grant in Aid	0%	
0		0		PWLB Loan	0%	
0		0		Contribution to Capital works	0%	
0	0	0	0	Bank Interest	0%	
<b>EXPENDITURE</b>						
		5,961		Catchment Flood Man Plan		
0		4,132		Catchment Modelling	0%	
0		0		Pumping station refurbishments	0%	
0	0	0	10,093	Asset Inspection	0%	
	0		(10,093)	Surplus - (Deficit)	0%	
	86,637		125,219	Balance Brought Forward	145%	
	75,000		0	Transfer from Revenue Acc	0%	
	<b>161,637</b>		<b>115,126</b>	<b>Balance Carried Forward</b>	<b>71%</b>	

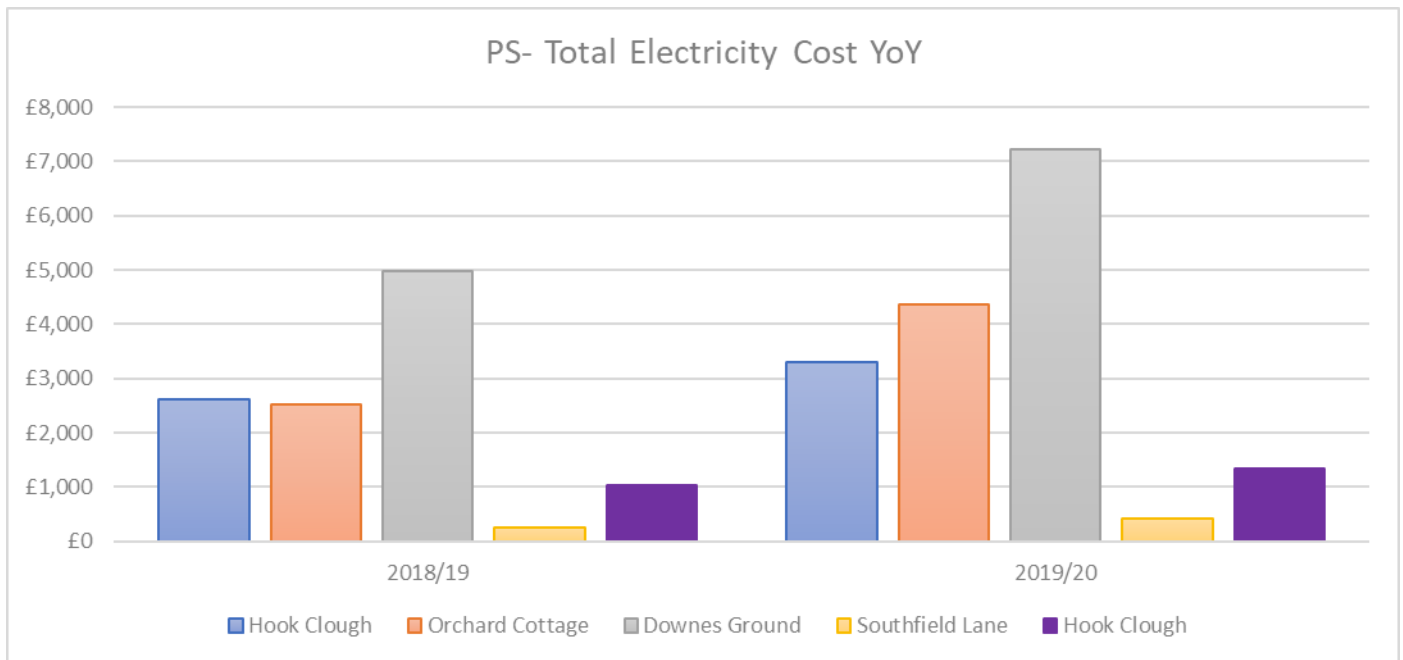
### 3.5 Five Year Budget Estimate

The five-year budget estimate is shown below

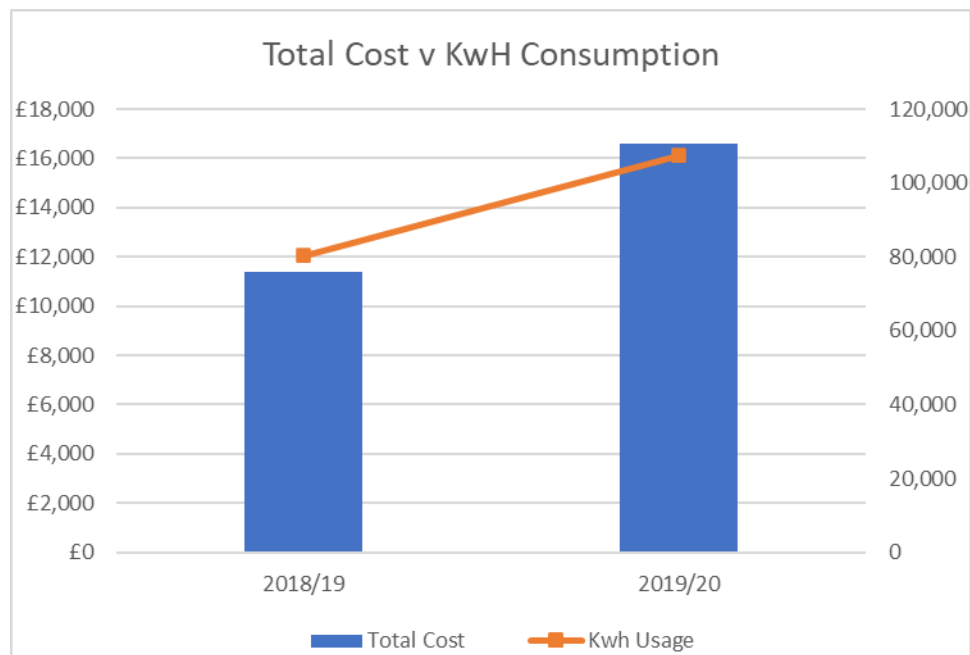
Goole & Airmyn IDB		0	1	2	3	4	5
Revenue Account	2020/21	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
	App Budget	Estimated Out-turn					
Income		£	£	£	£	£	£
Drainage Rates	5,486	5,495	5,486	5,486	5,486	5,598	6,158
Special Levies	253,084	253,084	253,084	253,084	253,084	258,249	284,074
Highways England Contribution	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Other Income		100	-	-	-	-	-
Grant in Aid		-	-	-	-	-	-
Bank Interest, consents etc	50	150	100	100	100	100	100
<b>Total Income</b>	<b>278,620</b>	<b>278,829</b>	<b>278,670</b>	<b>278,670</b>	<b>278,670</b>	<b>283,947</b>	<b>310,332</b>
<b>Expenditure</b>							
Flood Defence Levy	70,926	68,860	70,926	70,926	70,926	70,926	70,926
New and Improvement Works		-	-	-	-	-	-
Drain Maintenance	31,500	31,500	32,445	33,418	34,421	35,454	36,517
Other Expenditure	3,500	3,554	3,500	3,500	3,500	3,500	3,500
Pumping Stations	44,975	64,463	46,324	47,714	49,145	50,620	52,138
Administration	54,595	51,835	53,390	54,992	56,642	58,341	60,091
PWLB Loan	7,374	7,374	7,374	7,374	7,374	7,374	7,374
New Loan							
<b>Total Expenditure</b>	<b>212,870</b>	<b>227,586</b>	<b>213,959</b>	<b>217,924</b>	<b>222,008</b>	<b>226,214</b>	<b>230,546</b>
Surplus/(Deficit)	65,750	51,243	64,711	60,746	56,662	57,733	79,785
Balance Brought Forward	232,283	268,706	244,949	234,660	220,406	227,068	234,801
Transfer to Capital Reserve Acc	75,000	75,000	75,000	75,000	50,000	50,000	50,000
<b>Balance Carried Forward</b>	<b>223,033</b>	<b>244,949</b>	<b>234,660</b>	<b>220,406</b>	<b>227,068</b>	<b>234,801</b>	<b>264,587</b>
<b>Penny Rate in £</b>	<b>4.90p</b>	<b>4.90p</b>	<b>4.90p</b>	<b>4.90p</b>	<b>4.90p</b>	<b>5.00p</b>	<b>5.50p</b>
<b>Penny Rate £52,771</b>	<b>4.90p</b>	<b>4.90p</b>	<b>4.90p</b>	<b>4.90p</b>	<b>4.90p</b>	<b>5.00p</b>	<b>5.50p</b>
<b>Commuted Sum Balance</b>	<b>190,389</b>	<b>190,287</b>	<b>190,287</b>	<b>190,287</b>	<b>190,287</b>	<b>193,057</b>	<b>193,057</b>
<b>Capital Reserve Account</b>	<b>161,637</b>	<b>161,730</b>	<b>236,805</b>	<b>266,880</b>	<b>316,980</b>	<b>267,080</b>	<b>195,148</b>
% of Expenditure		107.63%	109.67%	101.14%	102.28%	103.80%	114.77%

	2020/21	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Capital Reserve Account	App Budget	Estimated Out-turn					
	£	£	£	£	£	£	£
<b>Income</b>							
WLM Strategy Grant							
Interest/Other income	-	50	75	75	100	100	100
PWLB Loan				-	-	-	400,000
FGIA Grant				30,000			
PS Scheme Contributions							250,000
Catchment Modelling- Contribution		-					
<b>Total Income</b>	<b>-</b>	<b>50</b>	<b>75</b>	<b>30,075</b>	<b>100</b>	<b>100</b>	<b>650,100</b>
<b>Expenditure</b>							
Catchment Modelling	-	10,093					
Pumping Station Asset inspection		20,000	-	75,000			
New Loan - Capital		-	-	-	-	-	22,032
Pumping Station Refurbishment			-	-	-	100,000	750,000
<b>Total Expenditure</b>	<b>-</b>	<b>30,093</b>	<b>-</b>	<b>75,000</b>	<b>-</b>	<b>100,000</b>	<b>772,032</b>
Surplus/(Deficit)	0	(30,043)	75	(44,925)	100	(99,900)	(121,932)
Balance Brought Forward	86,637	125,219	170,176	245,251	275,326	325,426	275,526
Transfer from Revenue	75,000	75,000	75,000	75,000	50,000	50,000	50,000
Transfer from Commuted Sum							
<b>Balance Carried Forward</b>	<b>161,637</b>	<b>170,176</b>	<b>245,251</b>	<b>275,326</b>	<b>325,426</b>	<b>275,526</b>	<b>203,594</b>

### 3.6 2019/2020- Electricity Consumption Analysis

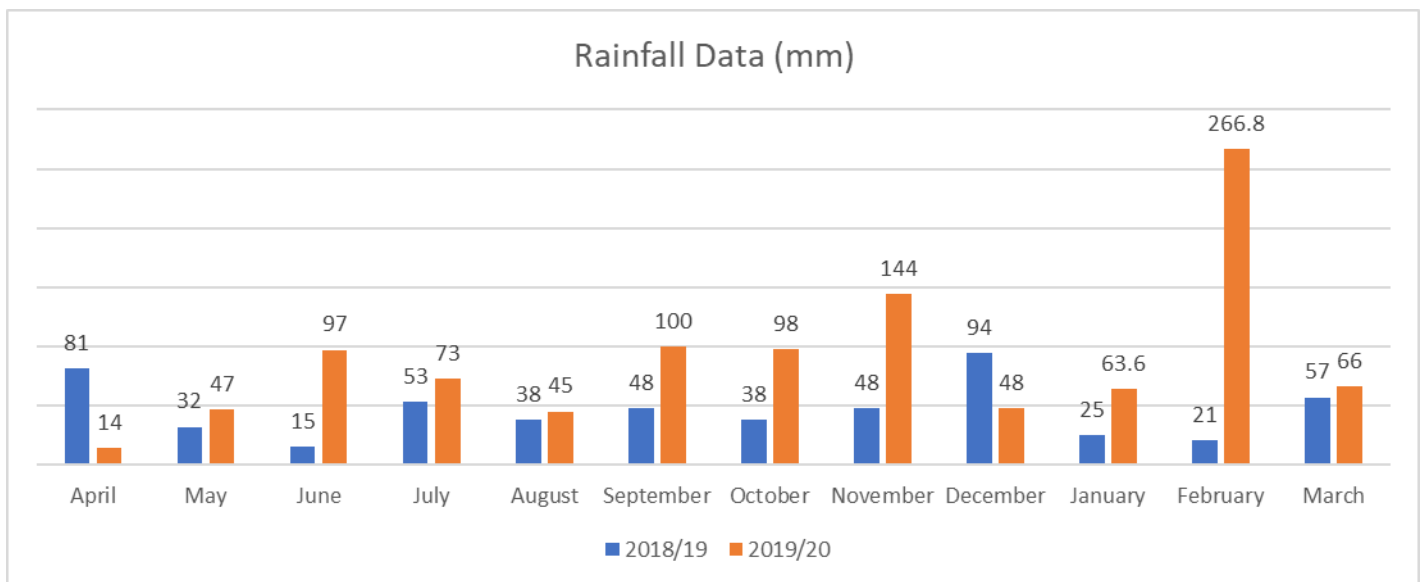


The graph shows an increase in total electricity costs across the 5 pumping stations.



Total Electricity costs for Goole & Airmyn IDB increased from £11,381 (2018/19) to £16,617 (2019/20). This is in correlation with the consumption of Kwh used across the stations. In 2018/19, a total of 80,302 kwh was used compared to 107,460 kwh in 2019/20.

The significant increase in both consumption and cost YoY is explained in the graph below. It shows the average rainfall (Regional) for the years 2018/19 & 2019/2020. In 2018/19, there was 550mm of rainfall recorded compared to 1,062mm in 2019/2020. The significant increase YoY and the amount of rainfall in November 19 & March 20 is the reason electricity costs were increased at all pumping stations for the financial year. This is the trend across all IDBs.





## 4. Engineer's Report

### Recommendations:

- Note the information contained in this report

### 4.1 Asset Management

#### 4.1.1 Moving toward Asset Management

#### 4.1.2 Pumping Stations

Orchard Cottage PS – The pump has been removed for investigation. It is recommended that the complete pump is refurbished including the impellor & motor should it be required at the same time. Perry Pumps will undertake the works. A budget estimate to undertake the works will be £20K.

Some minor additional works were required in the vicinity to allow better access, a hard standing area for the 30 ton crane and transport to assist in removing the pumping plant. It is envisaged the pumping plant will be absent for 8 weeks.

Perry Pumps will provide a recommendation on their findings.

A vertical axial flow pump and a submersible pump still remain in use.

The Boards standby pump will be put into action should it be required in a heavy rainfall event.

#### 4.1.3 Hydraulic Modelling

JBA Consulting will present their findings to the Board.

### 4.2 Maintenance

#### 4.2.1 Ordinary Watercourses

Watercourse maintenance works commenced towards the end of August. The flail works is 98% complete. The de weeding works started at a similar time, with the primary designated watercourses complete. The secondary designated watercourses work has recently begun utilising a smaller excavator.

The Siemens development has recently become a CDM site, the Boards contractors have undertaken an induction to comply with HSE regulations to allow access to the Boards designated watercourses in the vicinity.

#### 4.2.2 Planning Applications

Between 28 May 2020 and 24 October 2020 board officers have reviewed planning applications which may affect the board and commented on 10 of these.

Board Officers continue to communicate with ARUP (Consultant Engineers) on the proposed development within Capitol Park. Due to the complexity, and the significant likely hood of increasing flood risk the Board Engineer has encouraged the use of the Board's hydraulic model, and stipulated again the necessity of the Board byelaw's in relation to structure / assets within 9.0metres of a board maintained watercourse. Little consideration had been given to future maintenance of the assets, increased flood risk, and current & future flow data.

#### 4.2.3 Land Drainage Act 1991 Section 23 and 66 (20<sup>th</sup> Byelaws) Consents

0 consent applications have been granted between 28 May 2020 and 24 October 2020. One is currently pending.

#### **4.2.4 LDA 1991, Section 23 breach**

An LDA consent application had been submitted for some land drainage installation and watercourse improvement works. The Applicant proceeded with the works prior to the consent being determined.

### **4.3 Environment Agency**

#### **4.3.1 NaFRA2**

The EA are in the process of updating its flood risk maps and has approached all IDB's & LLFA for current asset data i.e. pumping station detail, strategic watercourses within the district, culvert details (lengths and invert levels).

The national approach is to create a "large scale" hydraulic model to give a more accurate picture of flood risk. The Board's officers submitted GIS shapefiles of the Boards catchment, designated watercourses, pumping station data, and some culvert details to assist with the study. The complete hydraulic model study will also be available.

Additional details can be found in Appendix B on the long-term objective.

## 5. Environmental Report

### Recommendation:

- Note the information contained in this report
- Support a review of the BAP 2015-2020 and agree production of targets and actions for 2021-2026

### 5.1 Legislation

A Policy Paper on the Environment Bill was issued in August, intended to bring about urgent and meaningful action to combat the environmental and climate crises the country faces and acts as a key vehicle for delivering the bold vision set out in the 25 Year Environment Plan. The Government believes it will support the country's desire to build back better after Covid-19 with measures that support both economic growth and the government's manifesto commitments to deliver the most ambitious environmental programme of any country. An important aspect of the Environment Bill is the power to set long-term, legally binding environmental targets. Setting targets will provide a strong mechanism to deliver long-term environmental outcomes. When the legislation has been approved by Parliament, it may have impacts on IDB function.

Anyone interested in further reading, information can be found at:

<https://www.gov.uk/government/publications/environment-bill-2020/august-2020-environment-bill-environmental-targets>

### 5.2 Policy

Nothing to report.

### 5.3 Biodiversity Action Plan 2015-2020

Report on Species Action Plan available at Appendix C.

In addition to surveys undertaken, discussions have taken place with Engineering Consultants contracted to Siemens associated with its proposed planned Phase II works and culverting 265m of Anderson Road Drain within the Siemens site as part of the consenting process.

The Biodiversity Action Plan expires this year. It is recommended a review of the 5-year plan is undertaken to identify how well it has worked and particular successes or failures and if necessary, make amendments to the plan covering period 2021-2026.

## 6. Health and Safety Report

### Recommendations:

- To note the information contained in the report

### 6.1 Accident, Incidents and near misses

Nothing to report.

### 6.2 Contractor Management

Nothing to report.

### 6.3 Risk Assessment

Nothing to report.

### 6.4 COVID-19

The area is currently under COVID-19 restrictions, in the medium alert category for England.

JBA offices have continued to remain open during this pandemic and we continue to deliver our services. JBA have adopted flexible working with remote working from home for those staff who can. We will be receiving and reading email as normal but we may not always be available directly on the office number to take calls.

#### Board operations

During this period, the Board's day to day activities have not been adversely affected. The electrical and mechanical inspections at the pumping stations have been carried out. The next challenge is to safely arrange the annual inspections of the Board's lifting equipment at the pumping stations. Namely weedscreen cleaners and pulleys, lifting beams etc.

## 7. Representation

Officers represent the Board in several fora:

Environmental	Flood Risk Management	Other
Humber Estuary Relevant Authorities Group	Humber Flood Risk Management Steering Group	
Humber Nature Forum	Comprehensive Review Humber FRMS working group	

## 8. Date of Next Meeting

10 February 2021

9 June 2021

10 November 2021

## **9. APPENDIX A – Humber FRMS 2100+**

A copy of the August 2020 newsletter can be found over the following pages.

# Humber – keeping you informed

**August 2020**

**This newsletter provides an update on work we are doing to develop a new strategy for managing tidal flood risk on and around the Humber and also lets you know about some key flood schemes/projects going on around the estuary.**

## Humber 2100+ Strategy

The Environment Agency, 12 Local Authorities around the Humber and the Humber Local Enterprise Partnership are working in partnership with support from the Internal Drainage Boards and Natural England, to produce a new strategy for managing tidal flood risk around the Humber Estuary over the next 100 years. This also includes rivers where tidal flow is the main source of flood risk.

For more information please visit our StoryMap on the Humber 2100+ strategy <https://arcg.is/u1rPi>



## Key messages

- We continue to work in partnership to develop a new strategy for managing tidal flood risk on the Humber, to respond to the impacts of climate change.
- Coronavirus has had a significant impact on the Humber 2100+ project and the way that we work. Working capacity and availability of colleagues and partners has reduced. However, work has been continuing on key aspects of the project.
- In February/March 2020 we ran three very successful scenario development workshops with colleagues, partners and key stakeholders. These were very well attended and gave us an opportunity to share information about how tidal flood risk could be managed and discuss and begin to develop different options, which we are calling 'scenarios'.
- Our focus for the past few months has been digesting the outputs of these workshops. This process has taken longer than planned as a result of coronavirus, and an additional step in the scenario development process is being introduced to build on the outputs of the workshops. This will ensure that the resulting scenarios are robust, feasible and sufficiently build in our core principles as a project.
- We are considering how the impact of coronavirus, and the additional step in the scenario development process have affected our overall programme. We do know that there will be a significant delay which will add additional time to the overall project giving us an expected completion date of the second half of 2023.
- Consultation originally planned for autumn 2020 will be postponed until 2021 both due to the programme delay and to ensure that we're able to effectively raise awareness of the consultation, so that people who live and work around the Humber have the opportunity to have their say.

## Scenario Development Workshops

We held three very successful workshops in February and March 2020 to engage with colleagues, partners and key stakeholders. These were very well attended and gave us an opportunity to share information about how tidal flood risk could be managed and discuss and begin to develop different options, which we are calling 'scenarios'. A number of interactive sessions took place, where attendees were able to use local knowledge and expertise to create ideas to help us shape draft future scenarios for managing tidal flood risk around the Humber estuary.

The outputs from these workshops, have directly fed into the scenario development work. We will be using the initial scenarios developed at the workshops, alongside the results of the screening process and partnership expertise to produce a set of refined 'hybrid' scenarios. We have also included an additional step in this piece of work to create a more robust shorter list of scenarios to take forward. These events were an important part of the strategy work, engaging with and listening to partners and colleagues' feedback.



## Coming Up

### Scenario Development – next steps

After considering the outputs of the workshops, we have decided to incorporate an additional step into the scenario development process. To achieve this, the project team are using the initial scenarios and information from the screening process as “building blocks”, to create more refined scenarios. We have also created a new decision making framework which will help us to incorporate the United Nations' Sustainable Development Goals and our ambitions around decarbonisation of flood risk management on the Humber into our decision making process. This will guide our work to develop a short-list of improved scenarios and we hope to agree these in early 2021.

### Public Consultation

Our first Public consultation will look at the scenarios that are being taken forward for full appraisal. This consultation will now take place in spring 2021. We will be working to develop the details of this consultation over the coming months. Further information on how you can give your views will be made available on our Humber 2100+ Information Page - <https://consult.environment-agency.gov.uk/humber/strategyreview>





## National FCERM Strategy

On 14<sup>th</sup> July 2020 the Secretary of State for the Environment, George Eustice, laid the national flood and coastal erosion risk management strategy for England in parliament. The Strategy has been developed working with over 90 organisations and there has been an extensive public consultation. The result is a final document with significant support that will result in positive changes to the way flooding and coastal change is managed in England. If you would like to read more please click on the link below.

<https://www.gov.uk/government/publications/national-flood-and-coastal-erosion-risk-management-strategy-for-england--2>

The new Humber Strategy will actively deliver against the themes of the Environment Agency's new National FCERM Strategy. The strategy will support and enable local long-term ambitions for the economy, the environment, and community wellbeing, by

- ensuring that the Humber area is resilient in the face of climate change
- supporting sustainable development and working to facilitate growth which is 'future proof' in the face of sea level rise and tidal flood risk
- driving culture change and supporting the development of climate resilient communities around the Humber, alongside investment in flood defences.

***"Climate change is making the UK warmer and wetter, and we will be visited by extreme weather more frequently in the future. So we need to shift gears, to ensure we adapt and become more resilient."***

*George Eustice, the Secretary of State for Environment, Food and Rural Affairs  
National Flood and Coastal Erosion Risk Management Strategy 2020*

## Scheme Updates

### South Ferriby and Winteringham Ings Sea Defence Improvements

The South Ferriby Flood Alleviation scheme contract was awarded in February 2019, when enabling works started on site. The scheme will reduce the risk of tidal flooding to 150 homes, businesses and the CEMEX plant.

The embankment to South Ferriby village frontage was completed in Nov 2019. Finishing works are taking place now including trimming, top-soiling/grass seeding and Fulsea Drain head wall construction. CEMEX will shortly have provided all of the 140,000 tonnes of material for construction of the western embankments in phase 2.



*Bank West of River Ancholme taking shape*



Following a short stop and re-start due to the coronavirus outbreak, the embankment construction west of the River Ancholme is progressing under full steam. Works either side of East Drain are progressing well in a relatively small area whilst the workforce are still maintaining social distance working. The main concrete walls will be completed by the end of August, with the cladding, copings, fencing, backfill and garden reinstatement completed by middle of October. Works to replace the East Drain parapet which commenced on Sluice road in June are on programme to be completed by the middle of August.

Construction completion is still expected by March 2021.



*Flood wall foundations being cast along East Drain*

### **Donna Nook**

Progress has been made with the realignment site, water and accompanying sediments have been able to enter the site following the breach that was undertaken last year. We are already seeing habitats change, as the species develop and adapt to a saline environment. This is the first step in mudflat and saltmarsh development.

Progress has been made to the outstanding aspects at the Donna Nook Managed Realignment site and Marsh Lane throughout these difficult times, namely the improvements to Marsh Lane and removal of the remaining piles from the breach site.



*Looking toward Pye's Hall over the realignment site*

Unfortunately, because of our short operational window, and with the utility works delays, we will not be able to mobilise and complete these outstanding works onsite this year. However, we remain hopeful that the utility companies will attend to their service diversions along Marsh Lane this year, so that we can commence next year without any further delays.

### **Skeffling**

Over the winter, a section of the embankment at Sunk Island Sands was damaged by storms and had started to erode. Our contractor completed repair works in April / May, installing new rock armour and reinstating the embankment at a number of locations.

We have also carried out additional ecological surveys along with further ground investigations around the terrestrial habitat to inform our design. Construction works are unlikely to happen this year but we are continuing to develop the scheme and are working closely with our key partners in order to deliver the project.

## South Humber – developing projects

The Environment Agency is continuing to progress the three priority pipeline projects that are indicatively allocated funding within the 2021-27 Investment Programme namely: Barton to New Holland, Stallingborough 3 and Halton Marshes phase 2. When completed, these projects will deliver better protection to over 6000 properties, existing major industrial sites and significant infrastructure, together with enterprise zones.

Although all these schemes are being developed to deliver the current Humber FRM strategy, they are all embedding the strategic approaches of the new emerging strategy and current legislation.

Consultants and Contractors have been contracted through the Midlands Hub of the Collaborative Delivery Framework. They are providing early supplier input into developing the strategic and outline business cases. Construction works on the three projects is envisaged to run sequentially from 2022 through to 2027.

## Are you prepared for future floods?

Although flood defences reduce the likelihood of flooding, the risk can never be removed entirely. Flooding can happen at any time and we advise people to take simple practical steps to help reduce the impact of flooding to their homes or business.

To find out how you can be better prepared for flooding, check your flood risk and sign up to our free flood warning service, visit [www.gov.uk/flood](https://www.gov.uk/flood) or call Floodline on **0345 988 1188**



## Contact us



<https://consult.environment-agency.gov.uk/humber/strategyreview>



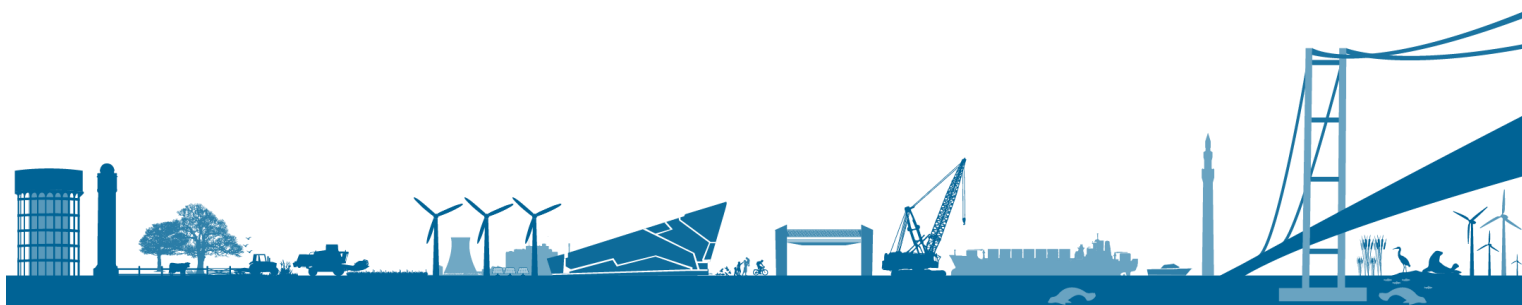
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0800 80 70 60

floodline  
0345 988 1188  
0845 988 1188

[www.gov.uk/environment-agency](https://www.gov.uk/environment-agency)

## **10. APPENDIX B – Asset Data Briefing Note**

A copy of the Environment Agency briefing note can be found over the following pages.

# Request for FCRM asset data from LLFAs, IDBs and RCMPS to support NaFRA2

## Advance Briefing Note

19<sup>th</sup> August 2020

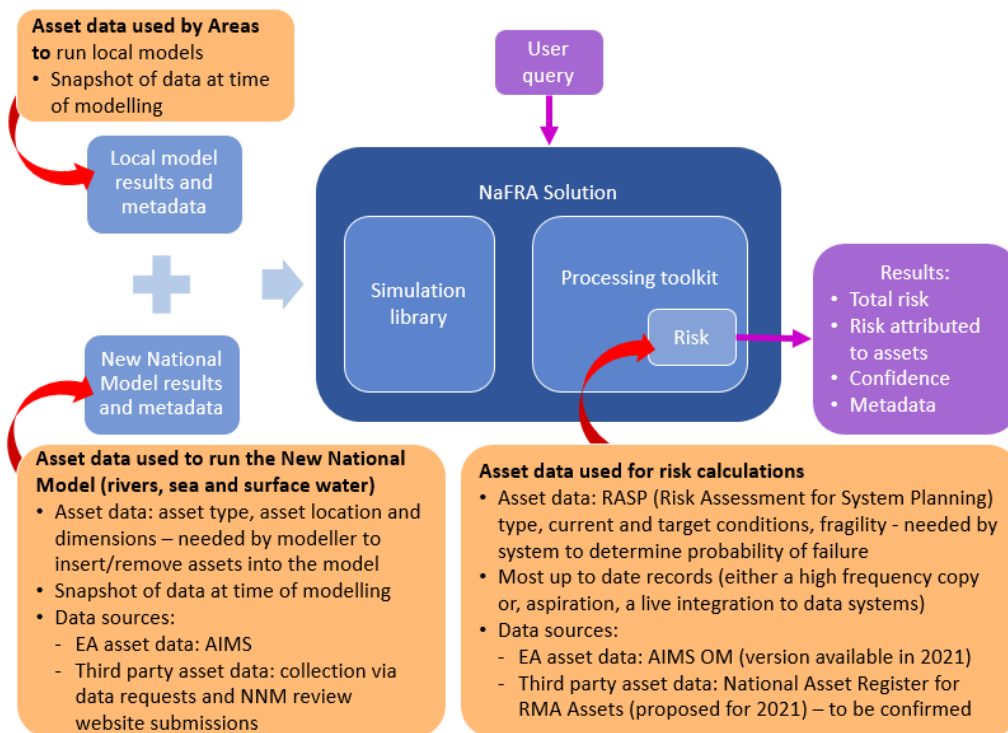
### Background

Following on from our earlier communication, a key part of NaFRA2 is our New National Modelling (NNM) of flood risk from fluvial, tidal and surface water sources. The outputs from this will be used to provide NaFRA2 with hazard information (including extents, depth, and velocity) where there are no, or insufficient, detailed local fluvial, tidal or surface water model outputs. The Environment Agency has undertaken a fluvial/tidal flood modelling and mapping programme over the last 20 years focusing resource on the locations most at risk. This has produced a coverage of about 70%. This means there are still locations without these detailed models. Similarly, even in places where we do have detailed outputs, they may not cover the wide range of scenarios that NaFRA2 wishes to make use of, for example, there may be no blockage scenarios modelled.

As with any model, we need to ensure assets affecting flood risk are accurately represented in the NNM. Our Asset Information Management System (AIMS) gives us a good understanding of assets that the Environment Agency maintains. However, we do not have the same level of information about assets that affect flood risk that are owned or maintained by other Risk Management Authorities or privately.

As well as using asset information to create the NNM, we need a wider set of asset information for the risk calculations by the NaFRA2 solution. Rather than a one-off snapshot (that we are collecting through the forthcoming data request), this will need more continuous access to the latest data and will focus on a different set of parameters, for example condition and fragility, rather than physical dimensions. We will ask you for this information at a later stage and will be working with our Asset Management colleagues over the next couple of years to establish a shared National Asset Data Register for your asset information. However, we will be giving you a short questionnaire as part of the forthcoming data request to help us understand which of this information you hold to help with our planning going forward.

The diagram below illustrates how asset data will feed into the various aspects of NaFRA2.



## When and what do we need from you?

In **early September**, we will formally ask you for your asset data.

For **inland assets**, we will contact LLFAs and IDBs directly (via consortiums where applicable).

For **coastal assets**, we will source data from RCMPs (via CCO), many who already have existing datasets we do not wish to duplicate. LLFAs may however receive requests from the RCMPs to help fill any gaps.

The accompanying table lists the assets (as defined in the [Asset Data Requirements Library](#)) and attributes we are interested in acquiring. We are in the process of finalising standard templates for you to complete, ensuring that there are options for everyone, regardless of the software available.

The asset types are split by priority to align with the programme of development for the New National Model and to enable you to focus on the most urgent data to start with. We would like Priority 1 asset types to be provided by **mid-October** and Priority 2 datasets by **December** (exact dates to be provided with the data request).

We will be running two telecons in early September (dates below) to walk you through the data request and provide an opportunity for you to ask questions. We will also give you a more detailed look at NaFRA2 in general. We will record the sessions in case some cannot attend and make them available to everyone.

The provisional dates for these telecons are below and we will send calendar appointments shortly.

- **Tuesday 8th September 13:00 - 15:00**
- **Thursday 10th September 14:00 - 16:00**

### **What's the benefit of providing your asset data?**

- More accurate new national modelling will mean the quality of the Flood Map for Planning will improve. This could reduce the need for unnecessary flood risk assessments by providing better information first time round reducing the amount of time preparing and reviewing some planning applications.
- More accurate results from NaFRA2 (beyond the NNM) will give you more accurate flood risk information to support your flood risk management conversations and decisions, including helping you to target investment, plan spatial development, investigate adaptive pathways and respond to flooding.
- When we review the draft outputs of the NNM (around **mid and late 2021**) we will seek your input via a review website. If your flood risk assets are already included in the NNM will mean the outputs will be more accurate, reducing you're the time and effort you will need to feedback. In addition, although the review website will give you an opportunity to provide data and information, it is not designed for bulk data provision.
- We will be undertaking some data quality validation on data received before passing to our contractor to use and will be happy to share the results of this with you.



## 11. APPENDIX C – Environmental Report

### Biodiversity Action Plan 2015-2020

### Biodiversity Action Plan Board Actions

#### Drain Names

Key Lane Drain, Towns Drain, Hook Drain, Southfield Lane Drain and Anderson Road Drain.

#### Survey Dates

1-3 July, 6-7 July 2020.

### Water Vole (*Arvicola amphibus*)

The Water vole is protected under the Wildlife & Countryside Act 1981 (as amended) and it is an offence to:

- Intentionally kill, injure or capture a water vole
- Possess or control a water vole, living or dead, or any part of a water vole
- Intentionally or recklessly damage, destroy or obstruct access to any place of shelter, or disturb a water vole within such a place
- Sell or offer for sale a water vole living or dead, or part of a water vole

The Board in undertaking works of annual maintenance must be aware of known water vole populations to ensure it does not work contrary to the legislation.

The Goole & Airmyn Drainage Board has a Biodiversity Action Plan within which is a Species Action Plan for water vole identifying three targets that aim to protect and enhance the presence of water vole by:

- ensure all board works comply with the relevant legislation protecting water vole and its habitat,
- maintain and enhance suitable habitat for water vole within Board maintained drains, and
- monitor populations of Water Vole within the drainage district.

The purpose of this survey was associated with monitoring known populations of water vole within the drainage district.

#### Key Lane Drain

Survey commenced at the western edge of the Board District running parallel with Key Lane track running between the A645 and A641. A new population had been identified on Towns Drain in 2019 proximal to Downe's Ground House, Towns Drain was to be surveyed to its furthest western extent within the District. It is uncertain whether Key Lane Drain is within or just without the Board's District, but records indicate the presence of water vole on this watercourse several years ago.

Key Lane drain contained very shallow but running water in a south to north direction. The watercourse banks were heavily vegetated, however through gaps in the grasses the banks could be viewed. No field signs of water vole were identified.

#### Towns Drain

Towns Drain was dry, the drain bed comprising moist but solid mud, whilst banks were billowing with grasses, the drain bed could be identified as seen from Figure 1.1. The drain bed was accessed for the purposes of identifying water vole field signs, shown figure 1.2. Water vole uses water as a refuge, an escape place from predation, often hiding under in channel vegetation. Water vole will however continue to use the banks of a watercourse even when the presence of water is seasonal. If water vole were present one would expect to find field signs in the form of latrines, footprints in the mud and grazing

around burrows. None were identified. Towns Drain was followed to the northern side of the A645 to where last year's population had been identified. No field sign evidence of the continued presence of water vole was found.



**Figure 1.1 Towns Drain looking east**





**Figure 1.2 Towns Drain looking east from drain bed**

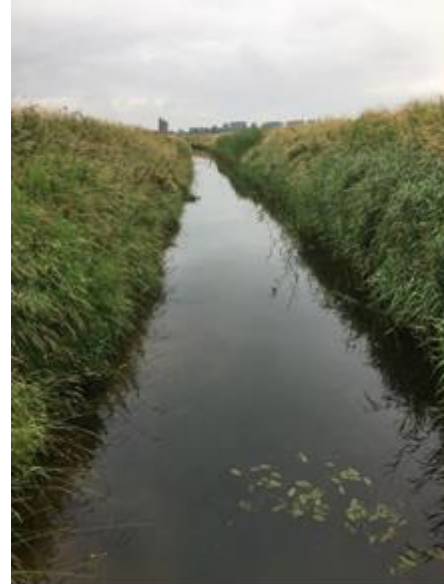
### **Towns Drain at Hook pump station approach**

Photographs at Figures 1.3-1.4 show little emergent in channel vegetation however the drain does contain stands of water starwort (*Callitriche* sp.) and Greater Pond weed (*Potamogeton natans*), both of which are used by Watervole as submerged vegetation under which they can take refuge from

predation. It is worth noting during surveys a Marsh Harrier (*Circus aeruginosus*) was regularly seen. Marsh harriers predate water voles.



**Figure 1.3 Towns Drain, Hook Clough**



**Figure 1.4 Towns Drain looking south**

A survey of the watercourse, using binoculars to scan the banks for burrows and particularly mown grass or mud slides into the water did not bear fruit.

### **Southfield Lane Drain**

Southfield Lane Drain is renowned for its large water vole population. The banks of the drain were fully vegetated however the drain itself, like Towns Drain was dry, the bed bottom comprising damp mud, see Figures 1.5 and 1.6. It was however possible to access the drain to undertake survey similar to that which was done on Towns Drain. Many burrows were identified however none appeared occupied. The drain contained no vole footprints although the prints of several dogs were identified. Burrows did not have mown grass around as would be found if a female were feeding offspring.

Southfield Lane Drain runs adjacent to the track Long Lane at Whin Croft where previously the strong water vole population was regularly seen. This section of drain was also almost dry, with sparse puddles

of water remaining, seen at Figure 1.7. This section did not reveal the presence of any water vole field signs.



**Figure 1.5 Southfield Lane Drain from bridge      Figure 1.6 Southfield Lane from track**



**Figure 1.7 Southfield Lane parallel to Long Lane, Whin Croft**

#### **Anderson Road Drain, Siemens site and Oakhill**

The watercourse from Anderson Road/Tom Pudding Way is relatively new, its construction associated with the Capitol Park development. It is however one of the most species rich watercourses in the Board's District. Figure 1.8 taken from the bridge looking north to the new channel. On its route toward



New Potter Grange pump station, anecdotal information from Friends of Oakhill and site visitors has identified the presence of a good water vole population.



**Figure 1.8 Anderson Road Drain on bridge over watercourse to pump station, looking north to new channel**

On the Anderson Road drain new channel (Figure 1.9), burrows were identified with mud slides into the water which appear to be those of water vole.



**Figure 1.9 Anderson Road Drain new cut**

Photographs below illustrate the species richness of the banks of Anderson Road Drain; all of which are particularly good sources of nectar for pollinators.



**Cinnabar moth caterpillar**



**Broadleaf arrowhead (*Sagittaria latifolia*)**



**Broadleaf arrowhead adjacent to new burrows**



**Meadowsweet (*Filipendula ulmaria*)**





**Teasel (*Dipsacus*) and bulrush (*Typha*)**



**White clover (*Trifolium repens*) Birds foot trefoil (*Lotus corniculatus*)  
and Self-heal (*Prunella vulgaris*)**



**Knapweed (*Centaurea*)**

In the 3550m of watercourse surveyed on known populations within the District, it was disappointing to find no firm evidence of continued use in July 2020, with the possible exception of potential new burrows in Anderson Road Drain.

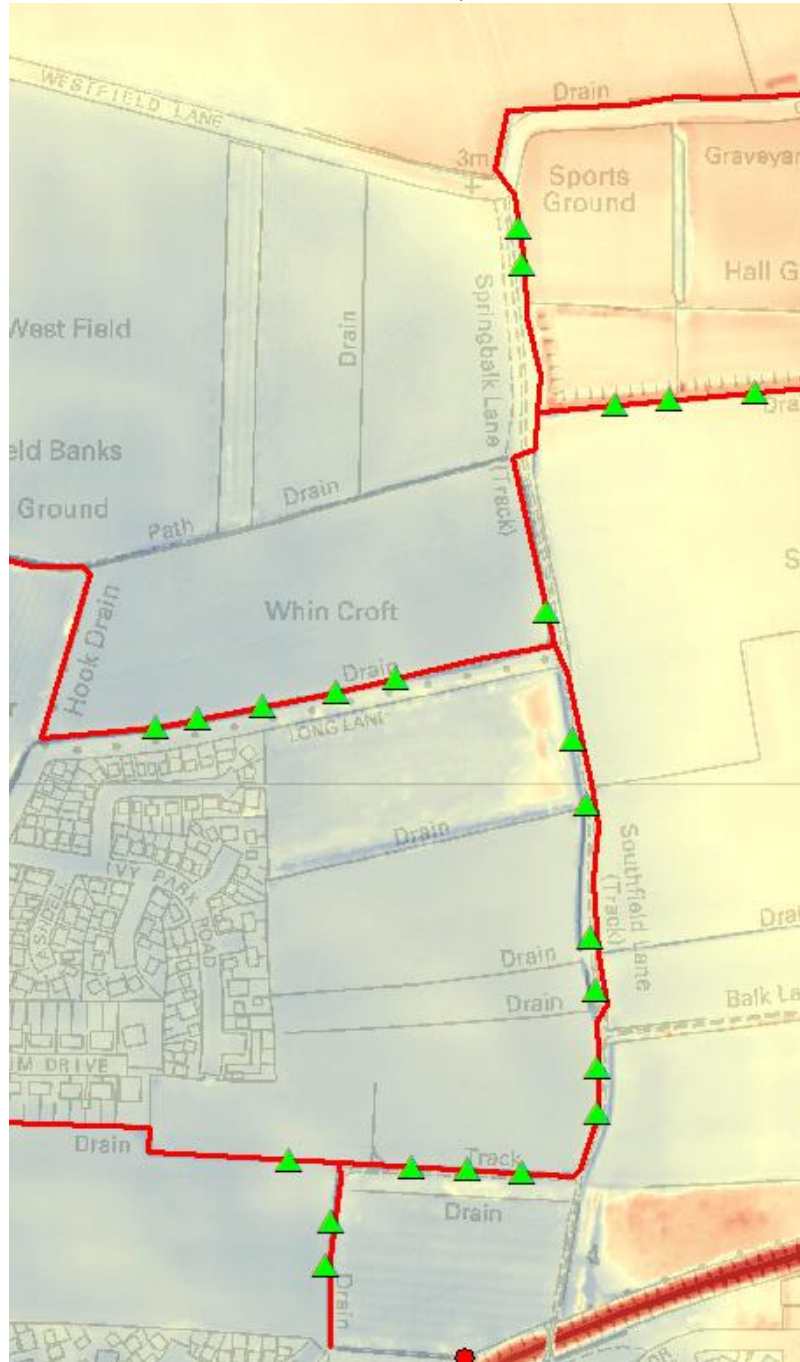
This however is not considered to be associated with any action undertaken by the Board, but a result of the very dry spring where it is likely water vole have moved into drains with a regular supply of water that have not dried out thereby still offering the required refuge from predators.

The primary issue for water vole is the position in the trophic pyramid in terms of predation. Mink, Barn owl, Marsh harrier and Herons will predate water vole. Signs of mink were identified proximal to

Anderson Road Drain associated with the Siemens site however for now a good population remains in the New Potter Drain approach drain.

#### Drain Name

Hook Drain and Southfield Lane Drain, Hook - October 2020



Lidar map of Hook and Southfield Lane Drain systems, blue indicates lower areas, yellow and orange higher.

**Location**

Lon: -0.8596216994785885  
Lat: 53.7171020507812500  
Accuracy: 65  
Location source: GPS  
Location co-ordinates: -0.8596217, 53.7171021  
Local co-ordinates: 475355 425124  
Local system: OSGB36

**Survey Date**

01/10/2020

**Site description/conditions**

Weak sun, cool. Maintenance had not yet been undertaken on Hook or Southfield Lane Drain however conditions were wetter than the earlier survey. Although water remained absent apart from small scalloped areas of possible over deepening, the drain had sufficient overgrowth habitat to provide refuge for Water Vole (*Arvicola amphibus*) should they be present in the area. Only evidence available suggesting continued presence, a plop was heard in the drain on the east side of Southfield Lane.



Overgrowth made it impossible to verify with sighting however generally the plop is indicative of water vole.

### General Photographs



Hook Drain close to Westfield Lane



Some burrows evident at base of bank



Hook Drain at Long Lane



rush (*Typha*)

Hook Drain at Long Lane now dominated by Bull





Southfield Lane Drain proximal to Mayfield



Looking toward Mayfield. This bottom section of Southfield Lane Drain has historically had a good water vole population however it was not possible to undertake a full survey through inability to fully access the watercourse from bank side.



# Shire

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