

# **BLACK SLUICE**

## **INTERNAL DRAINAGE BOARD**



# **Southern Works Committee Meeting**

**Tuesday 5<sup>th</sup> July 2022 at 3:30pm**

**Station Road, Swineshead, Lincolnshire PE20 3PW**



# Black Sluice Internal Drainage Board

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Swineshead  
Boston  
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Our Ref: IW/DPWB10\_1

Your Ref:

Date: 28<sup>th</sup> June 2022

## **To all Southern Works Committee Members**

Dear Member

### **Southern Works Inspection and Meeting on 5<sup>th</sup> July 2022**

Please find enclosed the papers for the Southern Works Committee Meeting to be held after the Inspection Tour of the southern area on Tuesday 5<sup>th</sup> July 2022.

We shall depart at 8:30am from the Boards Offices and arrive back for the meeting around 3:30pm. Tea/coffee and bacon rolls will be provided from 8:00am onwards, drinks and a lunch will be provided.

Please wear appropriate outdoor clothing and footwear for walking and possible trailer rides.

Yours sincerely

Chief Executive

### **AGENDA**

1. Recording the meeting.
2. Apologies for absence.
3. Declarations of interest.
4. To review the Southern Works Terms of Reference (**pages 1 & 2**)
5. To receive and if correct sign the Minutes of the last Meeting of the Southern Works Committee held on 28<sup>th</sup> September 2021 (**pages 3 - 13**)
6. Matters arising.
7. To discuss the Operations Report and Inspection (**pages 14 - 38**)
  - (a) Capital Schemes Budget (**page 39**)
8. To receive the Engineers Report (**pages 40 - 43**)
  - (a) Map showing bank slips identified (**page 44**)
  - (b) Policy No. 46: Crop Loss Compensation (**pages 45 - 50**)
9. Rainfall (**pages 51 - 53**)
10. Any Other Business.

**BLACK SLUICE INTERNAL DRAINAGE BOARD**  
**SOUTHERN WORKS COMMITTEE - 5<sup>th</sup> JULY 2022**

**AGENDA ITEM 04**

**TERMS OF REFERENCE - SOUTHERN WORKS COMMITTEE**

1. **GENERAL**

The Committee shall have EIGHT members who will be appointed by the Board. A maximum of EIGHT Co-opted Members may also be appointed by the Committee.

The Membership shall include: The ONE South Holland District Council Board member and the ONE South Kesteven District Council Board member.

The Chairperson shall be elected by the committee at the triennial general meeting of the Board, being the first board meeting following an election.

2. **MEETINGS OF THE COMMITTEE**

The Committee shall meet at least once in every 12-month period and a quorum shall be six members.

There should be at least one inspection of the Southern Works district each year to which all Southern Works Committee Members and Executive Committee Members should be invited.

No one other than the Committee members shall be entitled to attend Committee Meetings, but any other persons may attend meetings if invited by the Committee.

3. **POWERS OF THE COMMITTEE**

(a) Any formal consent which requires determination before the next Board Meeting which officers cannot approve.

(b) Approve any individual works or scheme up to a value of £25,000.

4. **RESPONSIBILITIES OF THE COMMITTEE**

The responsibilities of the Committee shall be:

1. To monitor the Board's performance in relation to effective and efficient work solutions.

2. To monitor the Board's performance in relation to good Health & Safety practices throughout daily operations.

3. To promote best practice through employee training and awareness.

4. To promote and maintain value for money for all resources.

5. REPORTING

Minutes of meetings of the Committee shall be presented to the next meeting of the Board.

The Committee shall review its terms of reference after every triennial general meeting and its own effectiveness and recommend any necessary changes to the Board.

**REVIEWED BY THE COMMITTEE: 05 July 2022**  
**APPROVED BY THE BOARD:**

# BLACK SLUICE INTERNAL DRAINAGE BOARD

## MINUTES

of the proceedings of a Meeting of the  
Southern Works Committee

held at the Offices of the Board on the  
28<sup>th</sup> September 2021 at 15:35

### Members

Chairman - \* Mr M Rollinson

* Mr W Ash	Mr J F Atkinson
* Mr V A Barker	* Mr K C Casswell
* Mr J Casswell	* Mr R Dorrington
Mr C Dring	Mr A Mair
Cllr P Moseley	Mr M Mowbray
* Cllr S Walsh	* Mr C Wray
* Mr J R Wray	

(\* Member Present)

In attendance: Mr I Warsap (Chief Executive)  
Mr D Withnall (Finance Manager)  
Mr S Harrison (Works Manager)  
Mr K Methley (Pump Engineer)  
Mr P Holmes (Vice Chairman & Northern Works Chairman)  
Cllr P Bedford (Executive Committee)  
Mr J Fowler (Executive Committee)

The Chairman thanked the Board's Officers for leading the day in the absence of the Operations Manager, the committee wishing his wife a speedy recovery. The Chairman further noted the luxury of being able to hold the inspection tour and have a face to face meeting, following the COVID-19 restrictions.

#### 1842 RECORDING THE MEETING – Agenda Item 1

Members were informed that the meeting would be recorded.

#### 1843 APOLOGIES FOR ABSENCE - Agenda Item 2

Apologies for absence were received from Cllr P Mosley, Mr M Brookes, Mr C Dring, Mr J Atkinson, Mr A Mair, Mr M Mowbray, Mr P Nicholson and Mrs G Nichols.

#### 1844 DECLARATIONS OF INTEREST - Agenda Item 3

Declarations of interest were received from Mr V Barker regarding Minute 1847, No. 6, Dowsby Lode Sub-catchment works.

1845 MINUTES OF LAST MEETING - Agenda Item 4

The Minutes of the Southern Works Committee, which was held on 19<sup>th</sup> May 2021, copies of which had been circulated, were considered. It was AGREED that the Minutes should be signed as a true record.

1846 MATTERS ARISING - Agenda Item 5

There were no matters arising.

1847 DISCUSS THE OPERATIONS REPORT AND INSPECTION - Agenda Item 6

The Chief Executive and Works Manager led discussions about the inspection, as follows.

1. PROPOSED ACCESS & MAINTENANCE PROPOSALS – DRAIN 36/7 SLEAFORD

The Chief Executive referred to the map within the agenda, highlighting that the red shaded area is part of the Board's upper catchment in which the Board does not have the power to enforce byelaws. The new proposed development is within this area. The Board want to discuss with the developer regarding access to the Board maintained watercourse that is within the upper catchment. It has been suggested to approach Lincolnshire County Council (LCC) for support with these discussions to keep the maintenance strip free of development. It was further noted that it can't be maintained from the other side because of obstruction alongside of the highway. The Chief Executive proposed that initially the Board approach LCC to seek assistance with persuading the developer to leave a maintenance strip, if not, a commuted sum will be investigated. It was further confirmed that this is the only Board maintained watercourse outside of the Board's catchment.

Mr C Wray suggested that it needed making known that if the Board could not access to maintain the drain, then it could cause flooding to the properties, which may not be favourable for the planning application.

The Chairman suggested contacting the North Kesteven District Council representative on the Board – Cllr M Head.

Mr K Casswell further noted that it needs highlighting that the Board were asked to maintain this drain, and if it is not accessible and not maintained it will be to the detriment of the community.

Cllr S Walsh suggested that the developer could take over future maintenance of the drain. The Chief Executive responded with his concern that some developers appoint a management consortium, who only tend to continue for a few years.

Cllr S Walsh questioned how it will be funded at the end of a commuted sum period? The Chief Executive responded that it would be recovered through the Board's own recovery rate, noting that it's hard to determine 'where to draw the line' with how many years a commuted sum will be required for.

Mr K Casswell noted that it may become part of the Board's catchment, which would then mean rates would be recovered from it.

Mr J Fowler questioned whether the Board's permission is required for the culverts? The Chief Executive responded that it is not required because it is outside of the Board's catchment, however, through good practice they may approach the Board regarding specification etc.

Mr P Holmes reflected on the Northern Works Committee meeting held earlier in the month, noting that a similar topic of development was discussed and that an effort should be made for a Board Officer to 'keep an eye' on the progress of the development.

2. SWATON CATCHMENT NATURAL FLOOD MANAGEMENT (NFM) SCHEME

The Chief Executive explained that two of the Swaton NFM schemes are on Crown Estate Land and there has been an issue with agreements for the works, however, it looks to be resolved as of yesterday.

The Chief Executive further noted that the Environment Agency employees that the committee met out on site were PhD Students contracted for three years to monitor and draw conclusions from the NFM work.

3. SEMPRINGHAM PUMPING STATION ACCESS ROAD

The Chief Executive explained that verbal confirmation has been received from the Environment Agency (EA) (the landowners) about improving the access to Sempringham Pumping Station and we are now awaiting the written order. This will then allow construction vehicles to be able to safely access the pumping station to install a weedscreen cleaner and dump area, expected to be completed March 22.

4. GOSBERTON FEN PUMPING STATION – PROPOSED PUMP REFURBISHMENT

The Chief Executive explained that it is proposed to refurbish one of the pump electric motors at Gosberton Pumping Station as part of the preventative pumping station maintenance scheme at an estimated cost of £4,000.

5. ACCESS & MAINTENANCE ISSUES - POINTON LODGE, MILLTHORPE ROAD, POINTON

The Chief Executive referred to the discussion that took place on site, noting that he got the general impression from committee members that they would be in favour for the Board to agree with the landowner and tenant to remove the trees and bushes so that maintenance can be safely conducted from that side of the bank. It has also been suggested that the Board contact Western Power Distribution (WPD) to see if the one electricity pole on that side can be moved to the other bank.

Proposed by Mr V Barker, seconded by Mr J R Wray, all AGREED that the trees and bushes be removed so that maintenance can be safely conducted from that side of the bank.

The Chief Executive also noted a planning proposal to demolish the barn on the adjacent side of the Pointon Lode drain, and build three properties, again, discussion would be had to ensure an accessible maintenance strip is left for future maintenance.

The Chief Executive also noted that issue with overhanging willows and stone below the bridge will be addressed.

#### 6. DOWSBY LODGE SUB-CATCHMENT WORKS

The Chief Executive explained that the Environment Agency (EA) now take a catchment wide approach. Funding has been obtained for Dowsby Lode.

Mr V Barker referred to some slips that had been rectified by the Board, commending the Board's operator for what a good job he did at the time. However, he noted that the slips have occurred again.

Mr V Barker further noted the badger setts further up the bank, the Works Manager responded that environmentalists have been out to the badger sett regarding relocating them, but the landowners needed to be identified and it being quite costly to relocate them.

#### 7. HACONBY FEN SUB-CATCHMENT WORKS

The Chief Executive explained that the Environment Agency (EA) now take a catchment wide approach. Funding has been obtained for Hacconby.

#### 8. TWENTY CORNER

The Chief Executive explained that a collapsed culvert was reported to the Board, however, it serves no purpose to the Board and was put in place for the benefit of the landowner. The Board will remove any of it that is obstructing the watercourse but will not replace it.

Mr P Holmes questioned if the culvert owner now understands his ownership of it? The Works Manager responded that he initially didn't but has now been shown an agreement stating his ownership.

#### 9. EXISTING DAM ARRANGEMENT – DRAIN 28/10

The Chief Executive explained that a control structure was put in place by the Board in Drain 28/10 to assess whether doing so would prevent water from being pumped in a continuous circle when Dyke Fen pump was operating, this structure was washed away during high water level in September 2020 and a temporary pile dam was installed. It is therefore now proposed that a longer term solution would be to place a permanent "stop-end" at the western end of Drain 28/10 to separate it from Drain 28/15 along Twenty Drove.

Mr W Ash noted that there are two landowners that will need contacting.



Proposed by Mr K Casswell, seconded by Mr W Ash, all AGREED that a permanent “stop-end” at the western end of Drain 28/10 be installed to separate it from Drain 28/15 along Twenty Drove.

#### 10. DYKE FEN PUMPING STATION – PROPOSED PUMP REFURBISHMENT

The Chief Executive explained that it is proposed to refurbish one of the pump electric motors at Dyke Fen Pumping Station as part of the preventative pumping station maintenance scheme at an estimated cost of £3,000.

The Chief Executive also highlighted to the committee that Dyke Fen Pumping Station is very remote and the benefit, from a health and safety point of view, of having the new remote control system so that the workforce does not have to physically attend to change levels.

Mr K Casswell questioned whether the workforce would still attend the pumping stations physically during daylight hours in times of emergency to carry out visual checks to ensure everything is as it should be? The Pump Engineer responded, yes, it also being noted that CCTV will also be available.

#### 11. GRAFT DRAIN SCHEME WORKS – DRAIN 22/31

The Chief Executive noted some questions raised on the inspection tour including regarding the re-lining of the pipe and open cuts being diverted etc. and that they will be looked into, and answers given to members in the quickest format possible.

Mr V Barker requested that for future inspections the drain be flailed so that the committee members can clearly see.

### ENGINEERING REPORT

The Chief Executive presented the report on Engineering Works, highlighting points as follows. Before starting the report, the Chief Executive noted that the Executive Committee are meeting tomorrow to discuss the steep increase in insurance cost, noting that it may impact the Board funded scheme works.

#### 12. CAPITAL ASSET IMPROVEMENTS

##### (a) 2020/21 Defra/EA Funded Grant in Aid (GiA) Schemes

The Chief Executive informed the committee of the new Grant in Aid Manager, Georgina Nichols, who has been very successful on achieving funding for projects.

##### (i) REMOTE MONITORING, TELEMETRY H&S SCHEME

There are 18 of 34 pumping stations currently completed. An application for £204,500 100% GiA has been submitted. Further discussion took place around the possibilities of the new system, including setting emergency profiles.

(ii) LEAVES LAKE DROVE UNDER CAPACITY OUTFALL CULVERT

The Chief Executive informed the committee that the scheme does not meet the requirements needed to obtain the funding.

(iii) LANE DYKE CULVERT REPLACEMENT

The Chief Executive noted that funding for this scheme has yet to be approved.

(iv) SEMPRINGHAM PUMPING STATION REFURBISHMENT

The Chief Executive explained that verbal confirmation has been received from the Environment Agency (EA) (the landowners) about improving the access to Sempringham Pumping Station and are now awaiting the written order. This will then allow construction vehicles to be able to safely access the pumping station to install a weedscreen cleaner and dump area, expected to be completed March 22.

(v) SFF UPPER CATCHMENT NATURAL FLOOD MANAGEMENT (NFM) AND CONTROL ANALYSIS

The Chief Executive explained that this project commenced two years ago, with the majority (£100,000) spent on studies. A proposal for funding towards implementation of these schemes is to be placed before the Regional Flood and Coastal Committee (RFCC) Local Choices next week. The Chief Executive noted that if funding can't be obtained, he will propose that any outstanding balance of the £100,000 is used for the NFM works to indicate to landowners and ratepayers that the Board are sincere about the NFM work.

(vi) DUNSBY FEN CATCHMENT WORKS STUDY

The Chief Executive explained that an Engineer will be employed to undertake the full catchment studies. Further funding will then be applied for any problems identified.

Mr K Casswell questioned whether ELMs and NFM were interacting yet? The Chief Executive noted that Lesley Sharpe was formulating a local farming group. Mr R Dorrington noted that he has been involved but is waiting for an update. The Chief Executive noted that he will inform Mr R Dorrington of any updates he receives.

Mr V Barker referred to the last inspection tour, reflecting on Mr J Atkinson's concern about the Pinchbeck Fen and the levels of water, one of the suggestions being to put a syphon under the Forty Foot.

(vii) FLOOD ALLEVIATION SCHEME HORBLING TOWN BECK STUDY

The Chief Executive noted that this a study that the Operations Manager is undertaking.

(viii) SWATON NATURAL FLOOD MANAGEMENT (NFM) SCHEME

There were no further comments or questions on this item.

(b) 2021/22 Board Funded Capital Schemes

(i) GRAFT DRAIN IMPROVEMENTS - Scheme 2086

There were no further comments or questions on this item.

(ii) THE ALTERNATE PROGRAMME ACCESS WORK

The Finance Manager noted that there is limited work left to do and that not all the £20,000 would be spent this year.

Mr V Barker referred to the summer cutting and the trees / shrubs that are growing on the opposite banks, suggesting that it may be useful for the Twigas to take them down during their less busy period in the winter.

The Chief Executive further noted some concern about the regrowing of bushes on the banks of the South Forty Foot Drain (SFFD). The Chairman noted that it is most important where it has not been desilted.

Mr W Ash questioned the policy for flail mowing, noting that it always seems to be done on the same side, questioning if it can be done on alternate sides?

The Chief Executive noted that the Board's policy is to try and get in a position where as many banks as possible are alternated.

The Works Manager noted that the alternate bank cutting programme has commenced this year, but it is the 'easier' options that have been done for this first year, whilst also adapting to the new early flail mowing. This programme will be developed with the aim to do as much alternate as possible.

The Chairman noted, from his experience, that if it is noted to the operations team that there is a bare field and would like it doing from that side, the team are amenable to do that.

(c) 2021/22 Defra/EA Funded Grant in Aid (GiA) Schemes

(i) UNDER CAPACITY CULVERT – LANE DYKE

There were no further questions or comments on this item.

(ii) UNDER CAPACITY CULVERT – LEAVES LAKE DROVE

There were no further questions or comments on this item.

(iii) SWATON NATURAL FLOOD MANAGEMENT (NFM)

The Chief Executive explained that all the remaining Swaton NFM schemes are on Crown Estate Land and there has been an issue with agreements for the Lagoons, however, it looks to be resolved as of yesterday.

13. PROPOSED WORK 2022/23

(a) Defra/EA Granted Schemes

(i) DOWSBY LODGE CATCHMENT WORKS

The Chief Executive noted that the Environment Agency (EA) grant will be £20,000 which is already secured.

(ii) HACONBY FEN CATHCEMNT WORKS

The Chief Executive noted that the Environment Agency (EA) grant will be £20,000 which is already secured.

(b) Board Funded Capital Schemes

(i) DOWSBY LODGE CATCHMENT WORKS

There were no further comments or questions.

(ii) DYKE FEN P/S PUMP MOTOR REFURBISHMENT

Part of ongoing preventative maintenance at this Pumping Station to refurbish the pump motor to one of the pumps, this is a two pump station. Estimated cost: £3,000.

(iii) DUNSBY FEN P/S PUMP MOTOR REFURBISHMENT

Part of ongoing preventative maintenance to refurbish the pump motor at this Pumping Station, this is a single pump station. The Chief Executive noted that this is a single pump station, but that the new 8" mobile pump should have arrived by the time this work is carried.

(iv) GOSBERTON FEN P/S PUMP MOTOR REFURBISHMENT

Part of ongoing preventative maintenance to refurbish the pump motor at this Pumping Station, this is a three pump station.

(v) GRAFT DRAIN SCHEME

There were no further questions or comments.

#### 14. DRAIN MAINTENANCE

The Works Manager gave a brief overview of the drain maintenance works, as follows. The cutting commenced later this year, the first week of August, and has been a good year for cutting and flailing, noting that it has worked well for crops being off land. There have been some issues experienced with the Twiga's, but Ireland's Farm Machinery have provided equipment to use in the Twiga's absence to ensure the programme continued. All the winter cleansing arisings have been pushed out. The hand roding work is also near completion.

The Board's website was shown on screen, referring the committee to the live map which shows what has been completed and what it left to complete.

Mr P Holmes referred to the text message service to inform landowners / tenants that the Board are going to be working in their area, noting that he has not received a text message, questioning how many contact numbers the Board has? The Works Manager explained that the Works Supervisor has an extensive list of landowner / tenant contact numbers and will always try to contact a landowner if there is still a crop on the land.

#### 15. PUMPING STATION MAINTENANCE

The Chief Executive highlighted that the Pumping Station Maintenance budget is currently overspent by c£38,000 but noted that many of the pumping stations are still working on gravity flows and so it is hoped that some of these costs will be recovered by this.

#### 16. EXTERNAL RECOVERABLE WORKS

Current external recoverable income is £248,161 for rechargeable works compared to £141,295 last year.

#### 17. HEALTH & SAFETY

The Board have appointed Cope Safety Management agreeing terms on a new contract as their Health & Safety consultants for a 5-year period commencing June 2019.

#### 18. SUMMER CUTTING WORKS (FLAILING) 2021 MAP

The Chief Executive highlighted that the map shows the flailing work up to date which commenced the first week in August 2021. Also noting that this tool can be used to manage progress and performance.

#### 19. SUMMER CUTTING WORKS (RODING) 2021 MAP

The Chief Executive highlighted that the map shows the roding work up to date which commenced the first week in August 2021. Also noting that this tool can be used to manage progress and performance.

1848 REPORT ON RAINFALL - Agenda Item 7

The rainfall figures at Black Hole Drove were circulated. The Committee RESOLVED that this report be noted.

1849 ANY OTHER BUSINESS - Agenda Item 8

(a) DRAINAGE ENQUIRIES & RIVER GLEN

The Chief Executive explained that Mr V Barker sent some questions in prior to the meeting requesting that they be answered at the meeting. The Chief Executive explained that he took Mr V Barker's questions to the Planning and Byelaw Officer anonymously to answer as he would to any ratepayer, as below.

- *What is the situation if one farmer needs to use a neighbouring farmer dykes to get their water to a Black Sluice Drain?*

They talk to each other. Common law states that owners of watercourses must allow flows from upstream through their land uninhibited. Question related to the maintenance of drains and what happens if one Farmer does their Drain out properly to the levels they require but this did not work for the other farmer. Again, they should talk to each other. The works carried out by one landowner should have no detrimental effect on any other – if the actions of one causes flooding of another, then that should be resolved between the parties involved. We should not get involved in any disputes unless it has a detrimental effect on our systems. We can only advise and recommend.

Mr V Barker suggested it may be useful for him to inform the Board of the situation he is referring to in a wet period so that they can observe it for themselves.

- *Pump over road – in wet times a farmer pumps water from their drains into a drain on the other side of South Drove. Is this allowed?*

On the basis that we have had no complaints about this from the landowner/tenant to the south, I can only assume they must have some sort of agreement for this to occur. Not a consenting issue. Highways might be a bit annoyed.

Mr V Barker added that they don't have a physical connection with the dyke that eventually leads to a Board drain.

- *River Glen – Drone to fly length of Glen whilst dry and during event? Risk of breach into our area, does it need to be monitored by BSIDB further. Assuming this is an EA drone survey? As it affects both ourselves and Welland & Deepings, I'd like to think any survey data would be shared with both Boards?*

Mr V Barker felt it would be beneficial for this survey to be completed so that the Board are aware of its true position, it poses a risk to the southern area of the Board. Mr K Casswell agreed with Mr V Barker's point, noting that the Glen has failed more times than any other river in the area.

(b) NEW OFFICE LIGHTING

The Finance Manager noted that as a result of the abolishment of halogen lights from 1<sup>st</sup> September 2021 and fluorescent lights from 1<sup>st</sup> September 2022 all lights have been replaced, funded half through the environment budget and half through the office equipment budget.

(c) TWENTY CORNER

Mr W Ash questioned whether a decision has been made in relation to the flailing of Twenty Corner? It is currently done manually because of the cost of traffic management control.

The Chief Executive recommend that it is flailed next year and then it is monitored with a view to a minimum period of bi-annual and maximum period of 3-4 years.

(d) BOARD ACCESS CULVERTS

Mr V Barker noted that he has been asked by a member of the workforce to bring something to the attention of the committee. It has been noted that sometimes the tracked machines have to wait for the unimog to wait to move them across a drain, whereby the member of the workforce thinks there would be benefit in having an access culvert.

Mr P Holmes noted that it will be a matter of cost benefit, Mr V Barker agreed.

The Chairman suggested it be brought to the attention of the Structures Committee.

The Works Manager noted that the Tom Toms on the machines are there to report anything and nothing has been reported in relation to culverts as of yet.

There being no further business the meeting closed at 16:48.



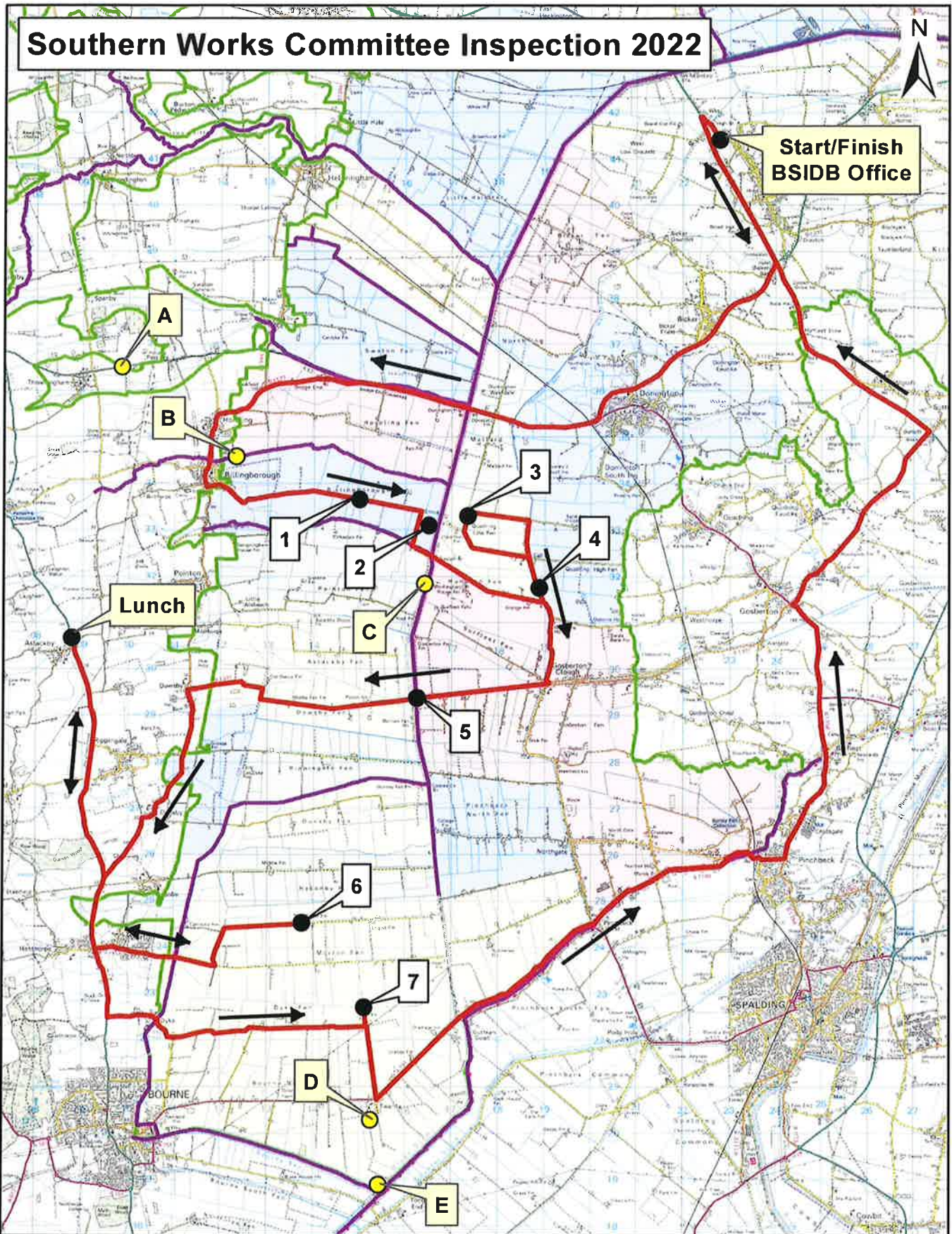
# BLACK SLUICE INTERNAL DRAINAGE BOARD



## SOUTHERN WORKS COMMITTEE INSPECTION Tuesday 5th July 2022



# Southern Works Committee Inspection 2022



**Black Sluice Internal Drainage Board**  
 Station Road, Swineshead,  
 Boston, Lincolnshire PE20 3PW  
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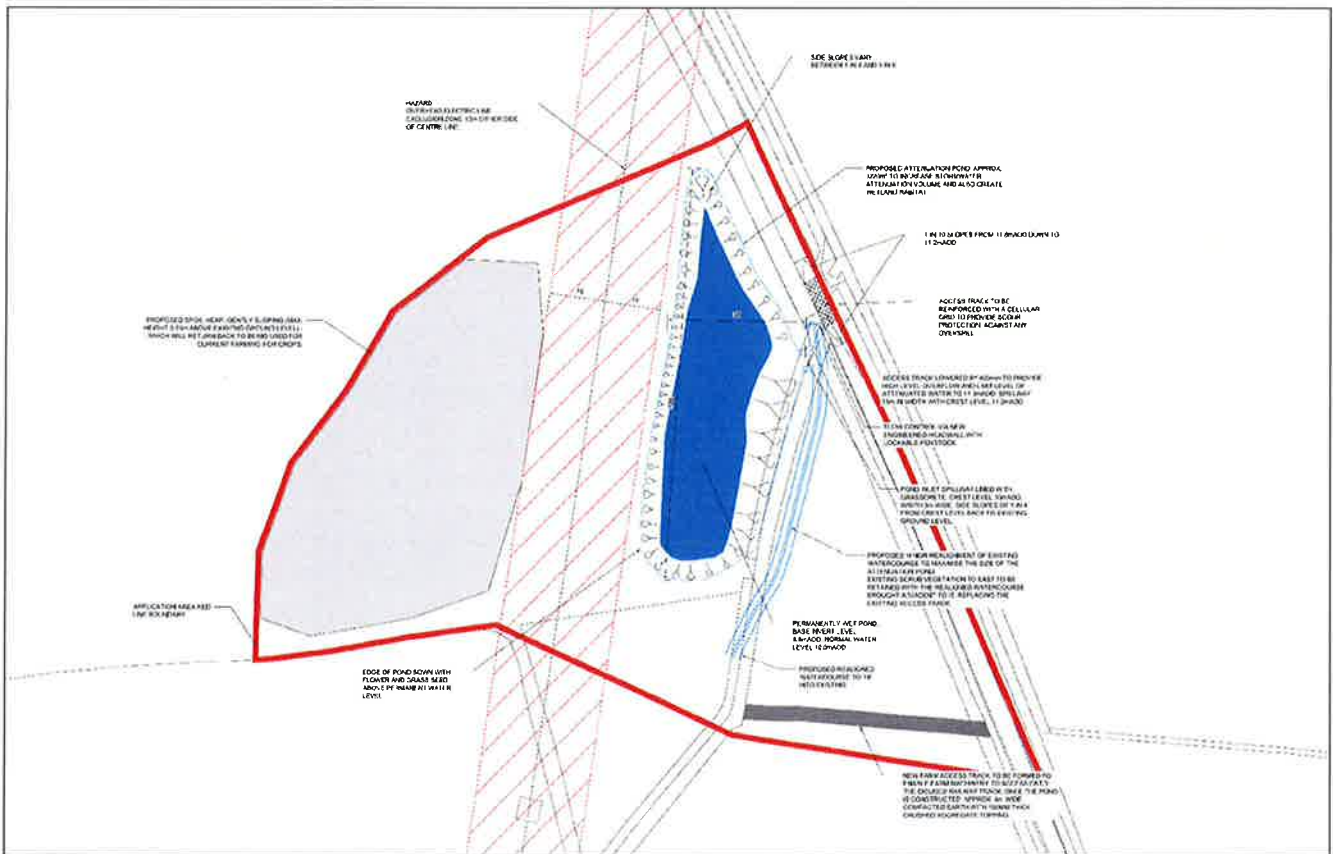
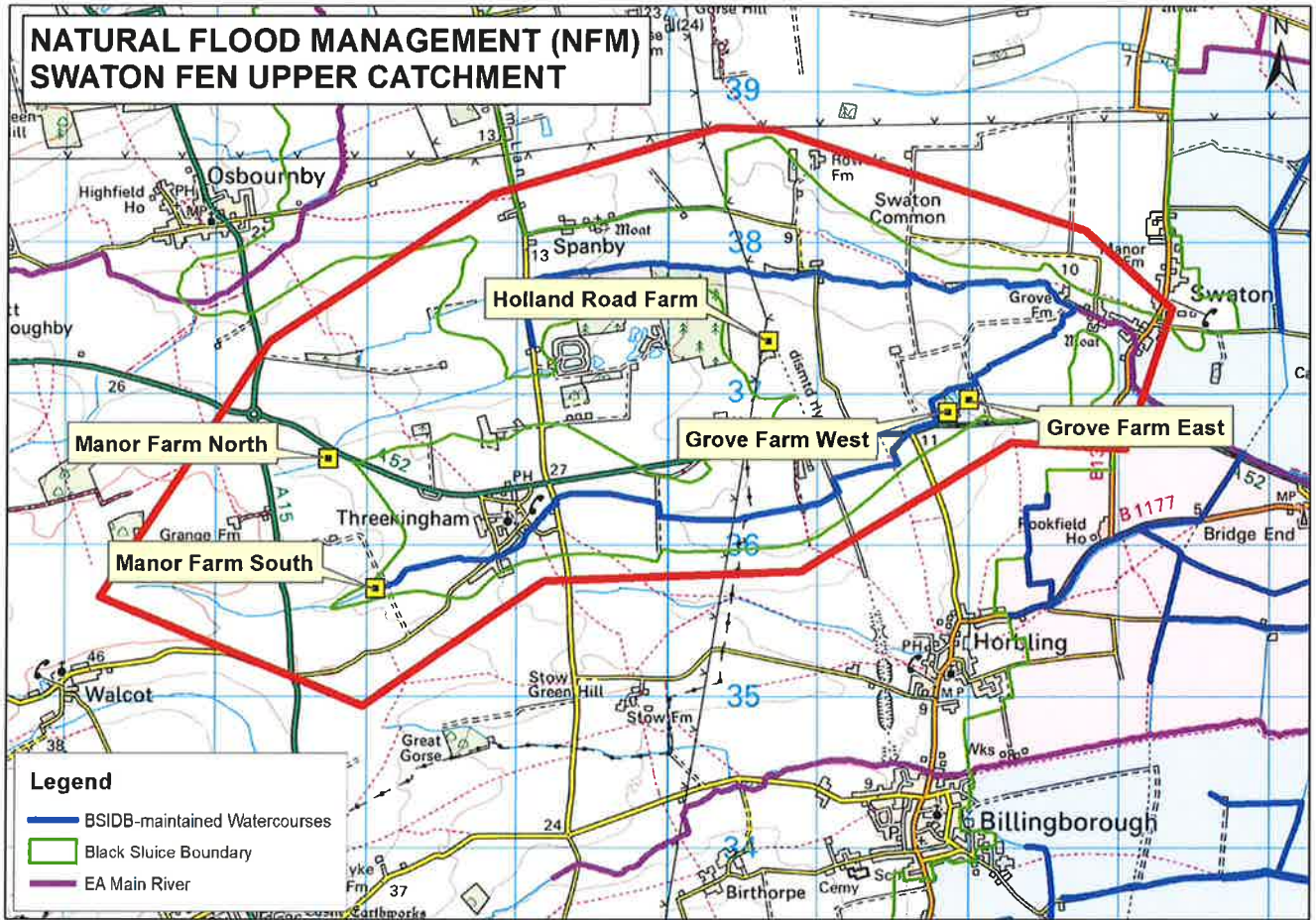
**Date: June 2022**

**Scale: 1:100,000**

**SOUTHERN WORKS COMMITTEE**  
**INSPECTION ITINERARY**  
**TUESDAY 5<sup>TH</sup> JULY 2022**

<b>S BSIDB Offices</b>	
A	Spanby/Threekingham <i>Point of Interest</i> Update on Swaton NFM Project
B	Ouse Mere Lode, Billingborough <i>Point of Interest</i> Completed PSCA revetment works
1	Billingborough Drove View bank slip repair works
2	Billingborough Fen View first crop on site of former SFFD silt lagoon
C	Sempringham Fen Pumping Station <i>Point of Interest</i> View new access road & discuss lease of land/weedscreen cleaner
3	North Drove, Quadring Fen Discuss proposed revetment works
4	Beck Bank, Quadring Fen View repairs to large slip in the Hammond Beck
5	Gosberton & Dowsby Fen Pumping Stations View machine demonstration (inc. Tea/Coffee Break)
6	New House Farm, Morton North Drove Discuss proposed diversion of Drain 28/23
<b>Lunch</b> <b>The Robin Hood &amp; Little John, Aslackby</b>	
7	Dyke Fen Pumping Station View/discuss loss-of-land issue & proposed pump refurbishment
D	Sycamore Farm, Twenty <i>Point of Interest</i> Discuss culvert replacement & WPD underground cable laying
E	BSIDB Borrow Pits, Bourne North Fen <i>Point of Interest</i> Lincolnshire Wildlife Trust proposals
F	<b>BSIDB Offices</b> <b>Southern Works Committee Meeting</b>

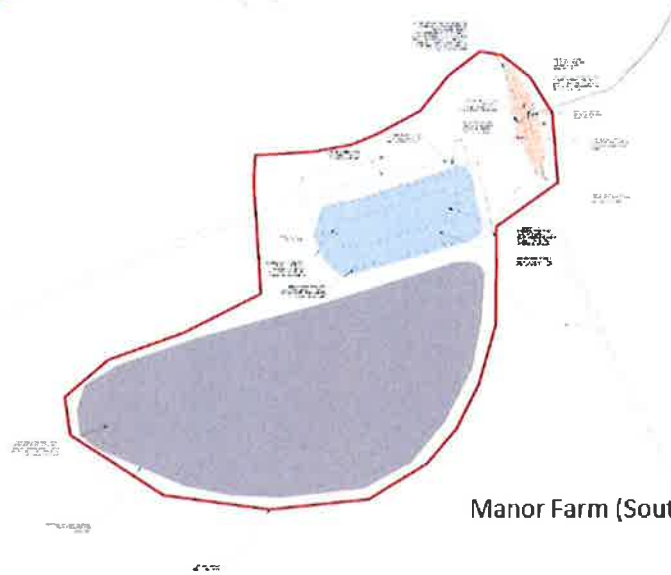
**A - Swaton Catchment Natural Flood Management (NFM) Scheme - Update**



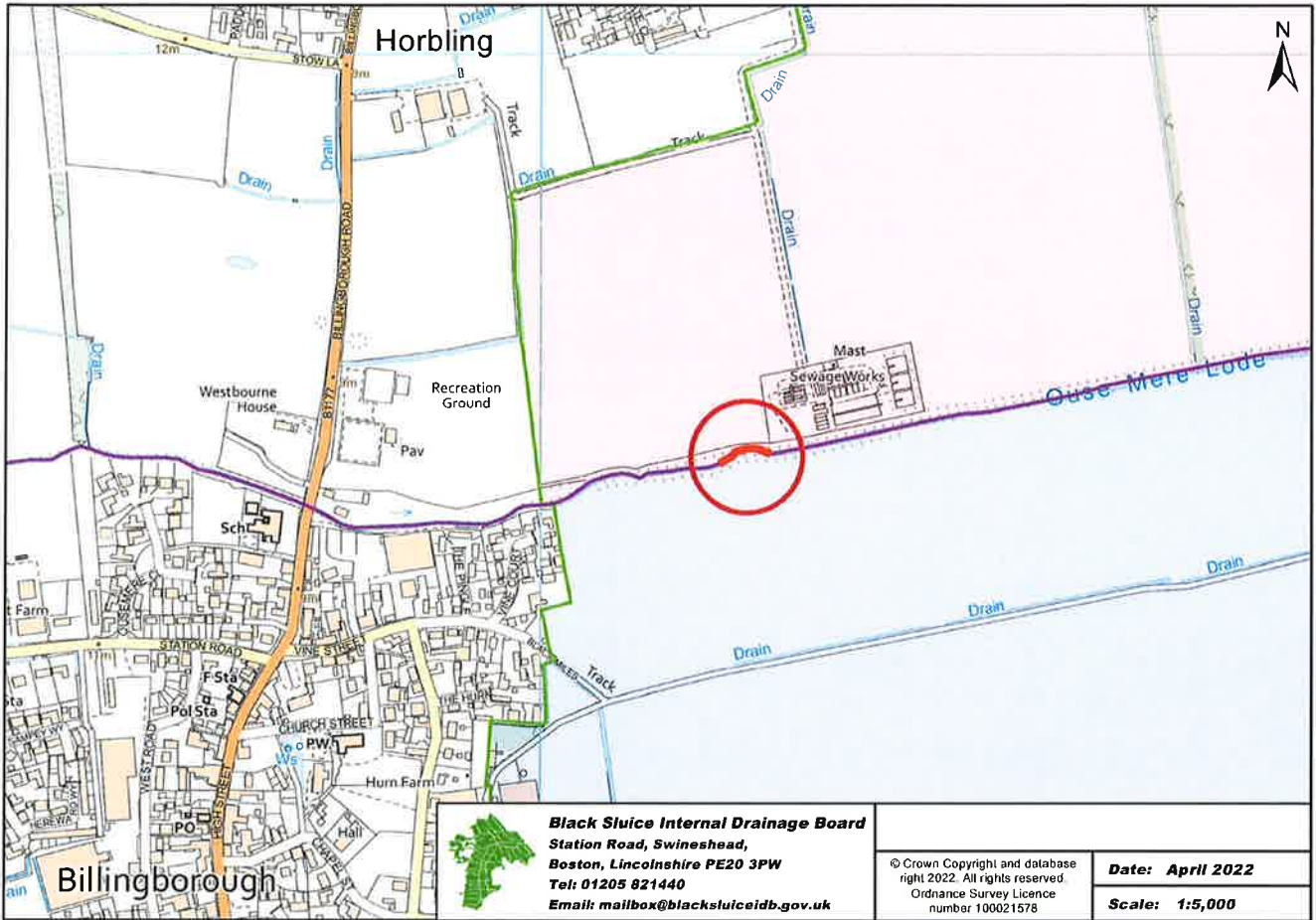
Manor Farm (North)



Manor Farm (South)



**B - EA PSCA Revetment Works - Ouse Mere Lode, Billingborough**



Following the winter 2019-20, excessive water flow caused damage to the Ousemere Lode riverbanks.

The Environment Agency provided instruction to the Board to complete bank slip repairs, with the Agency’s project aims to return the assets to target grade for the foreseeable future.

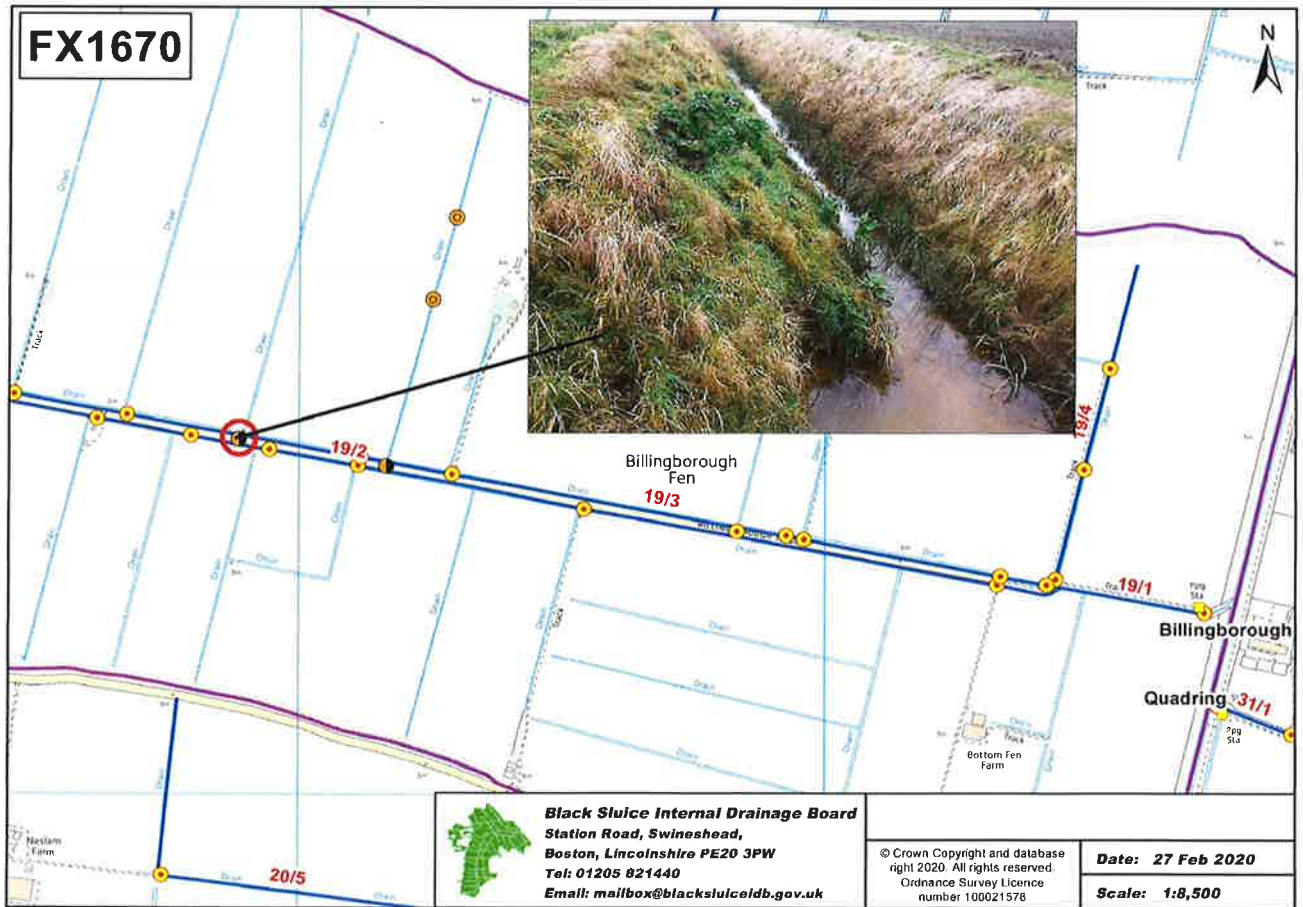
Method used: Install willow pile terracing to outside bend of river upstream of the sewage works, to include rock roll and coir roll revetment.

Estimate £52,000 completed in July 21, delivered through PSCA as part of £400,000 of Recovery Fund works completed on behalf of the Agency.





# 1 - Slip repairs, Billingborough Pump Drain, Billingborough Drove



**2 - First crop on site of former Billingsborough site lagoon**



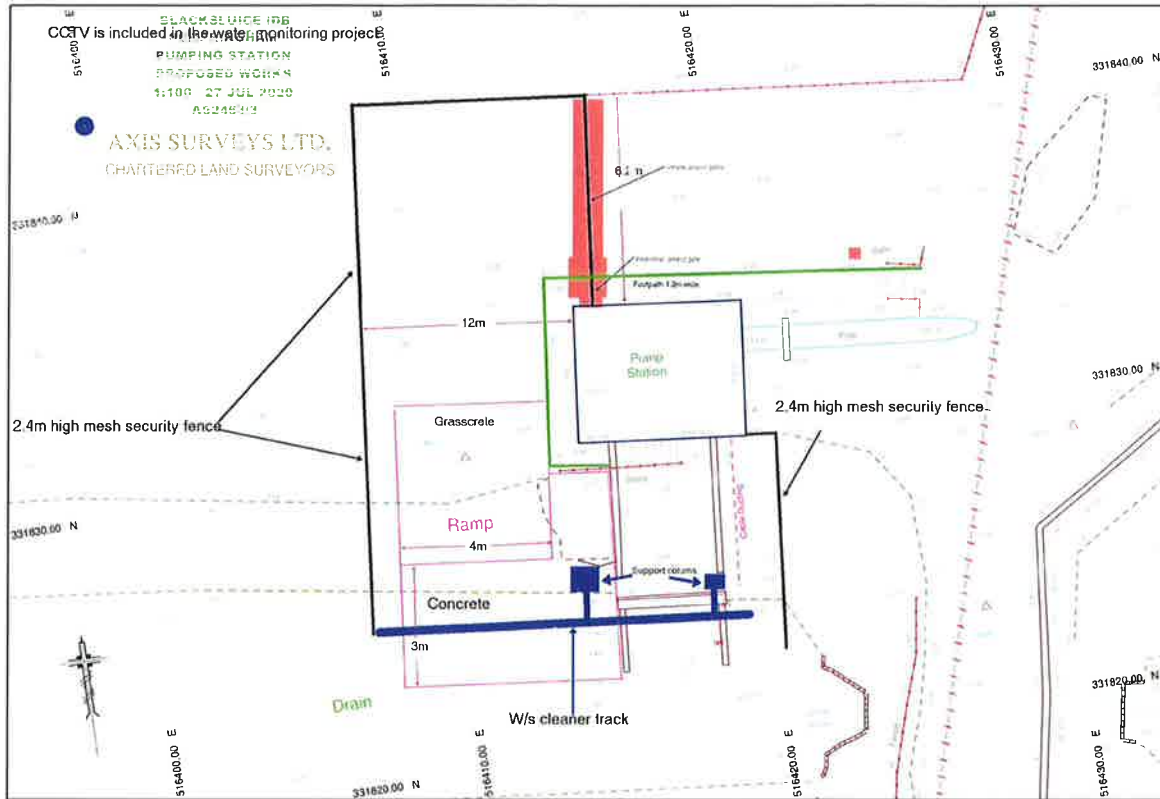


**C - Sempringham Pumping Station Access Road**

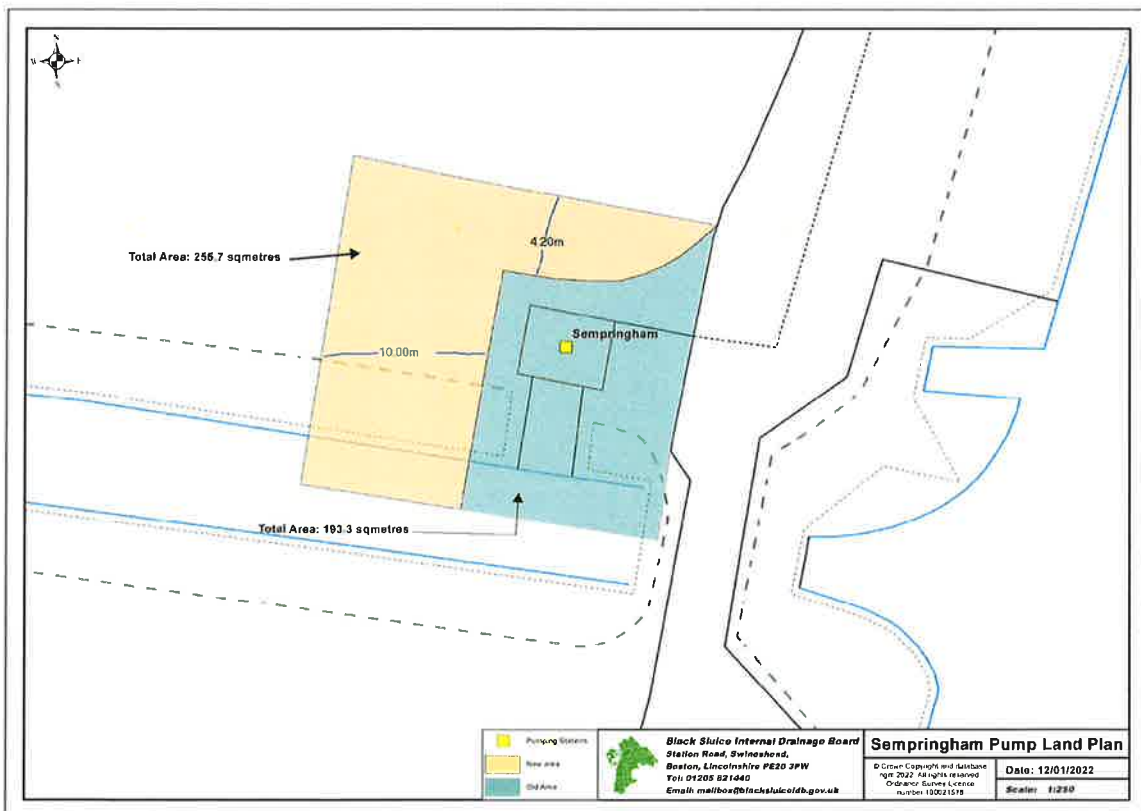


The access roadway from Neslam Road to Sempringham Pumping Station along Environment Agency owned land has been completed, within the estimated £46,000 budget.

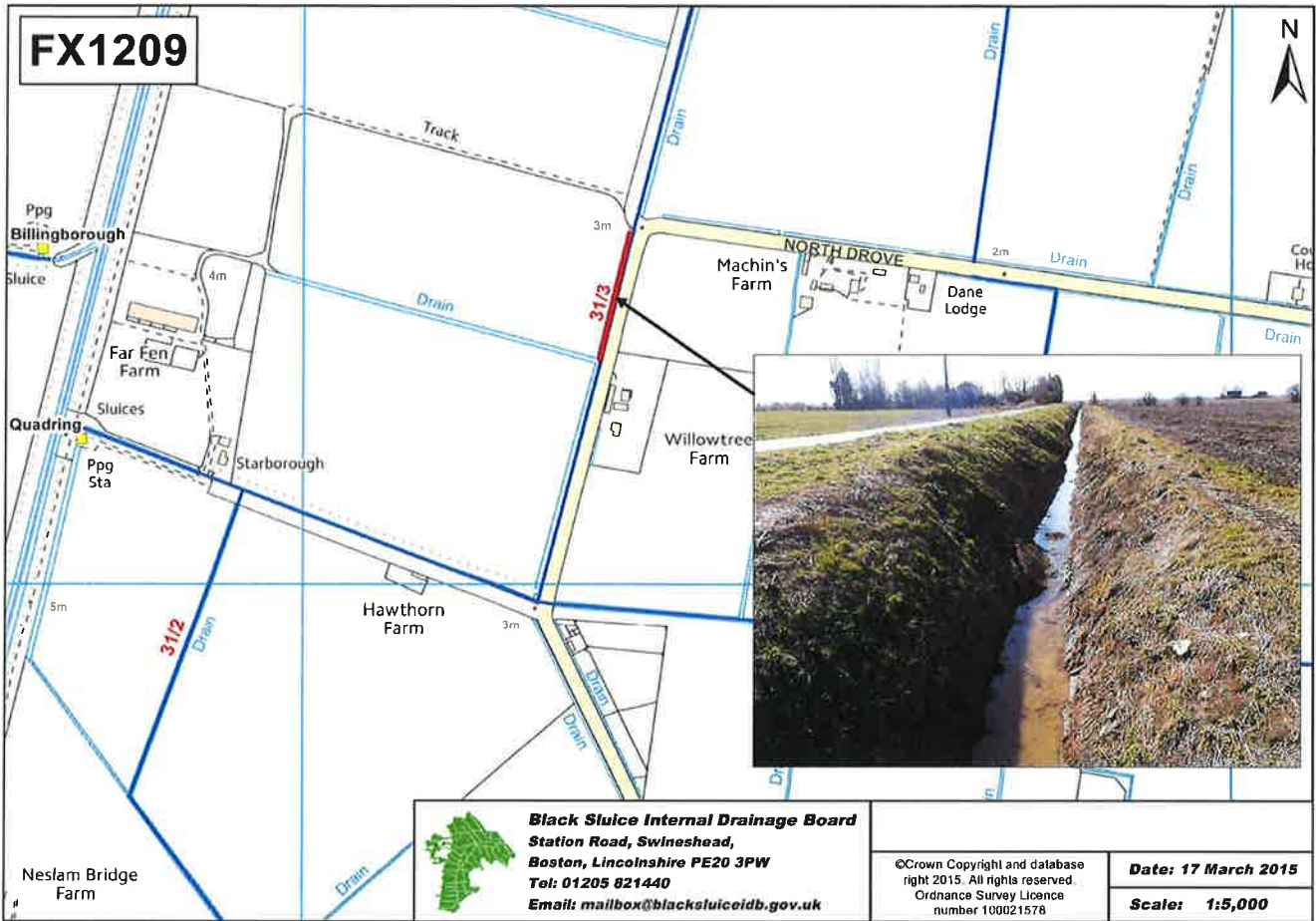
**C - Point of Interest - Proposed weedscreen cleaner - Sempringham Fen Pumping Station**



Civils works to construct a weed dump area and access for the installation of an Automated Weedscreen Cleaner to be completed by the Board have been delayed due to land purchase (now land lease) agreement delays from Crown Estates.



**3 - Proposed revetment works, Drain 31/3, North Drove, Quadring Fen**

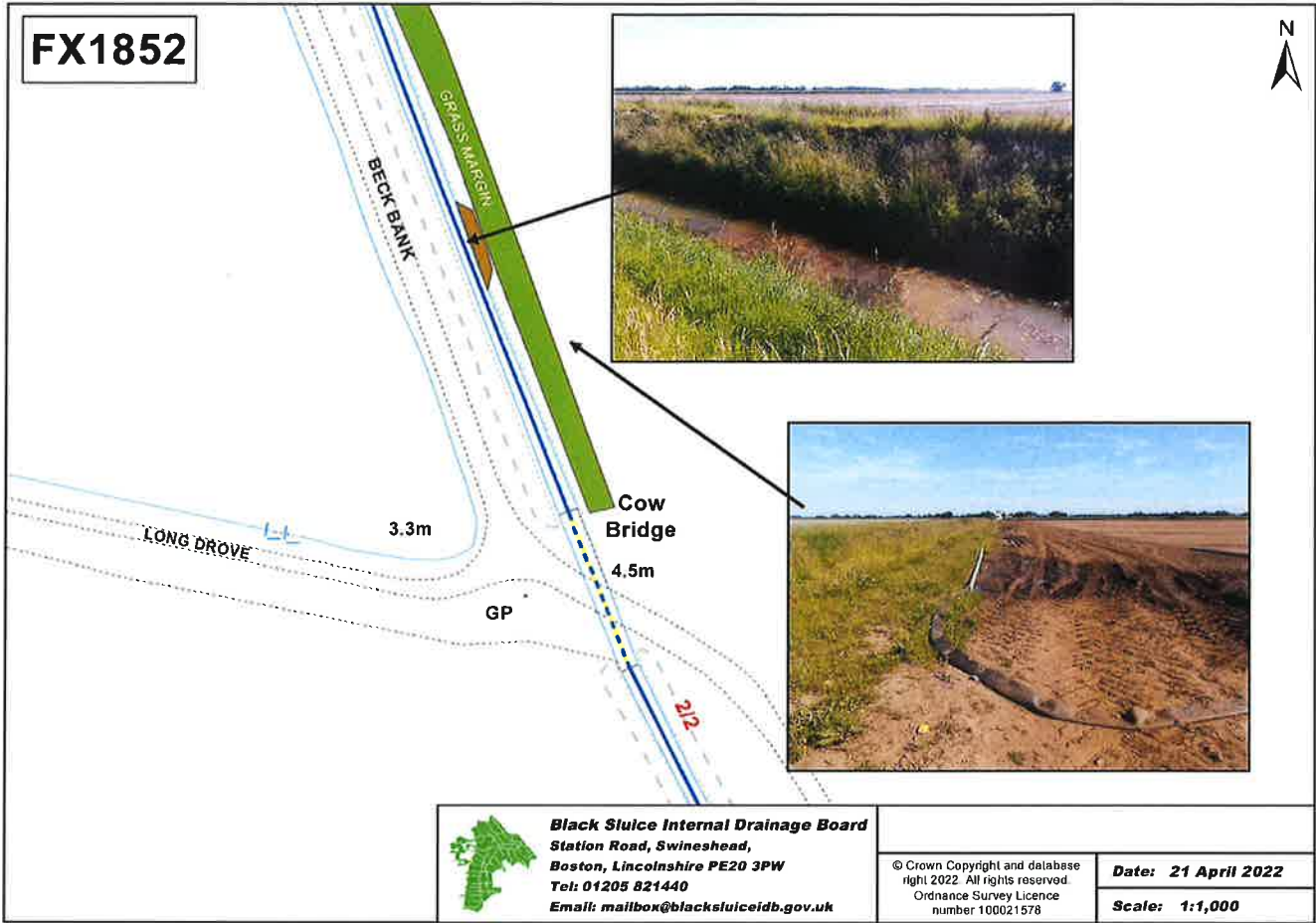


There is some roadside bank slippage along this section of drain that requires repair, which will be subject to a road closure.

Estimate : £24,000



**4 - View slip repair works, Cow Bridge, Beck Bank, Quadring Fen**



Recent slip, possibly caused by what appears to be a leak from the adjacent irrigation system. Investigations will be carried out to establish cause prior to reinstatement works.



**5 - View machine demonstration (Tea/Coffee)**

***POI - Desilting of Gosberton Pump Drain & pumping station suction bay works***





## 5 Gosberton & Dowsby Fen Pumping Station 750Kva Transformer



Following a recent inspection of the 9 pumping station transformers, this one at Gosberton pumping station, that also powers Dowsby Fen pumping station, is at point of failure.

The engineers report stated:

*'Oil sample report states high levels of dissolved gases including CO<sub>2</sub> and Ethane which suggests the paper insulation is breaking down. This means the transformer is at risk of failure and I would recommend looking at replacing the transformer as soon as possible.'*

A quotation has been received to supply and install a new 800kva for £68,620, alternative quotes are being sought.

The transformer is the original one dated 1965

## 7 - Proposed pump motor refurbishments - Dyke Fen Pumping Station



### 2022/23 Dyke Fen Pumping Station Electric Pump Motor refurbishment - £3,000 Estimate

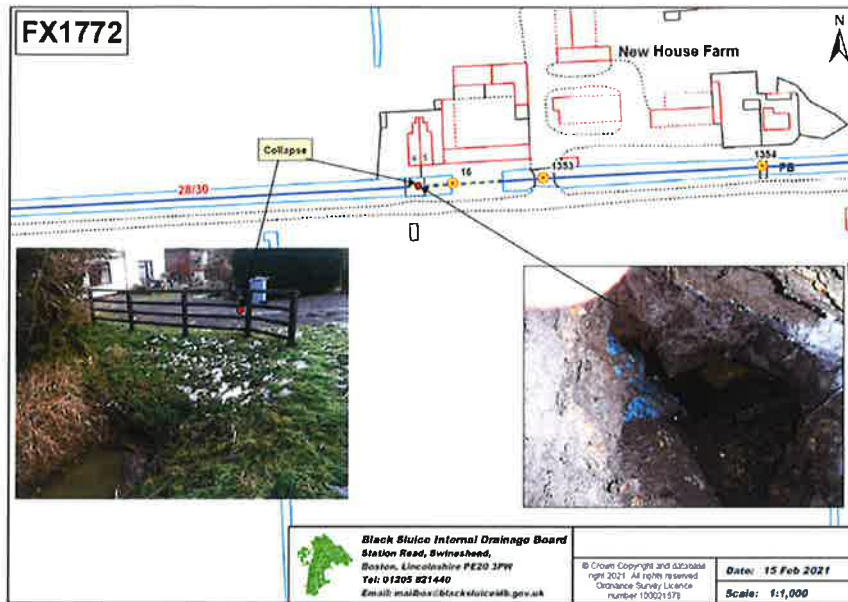
Part of ongoing preventative maintenance at this Pumping Station to refurbish the pump motor to one of the pumps.

### 2023/24 Dyke Fen Pumping Station Pump and Electric Pump Motor refurbishment - £25,000 Estimate

Part of ongoing preventative maintenance at this Pumping Station to refurbish the pump and pump motor to one of the pumps.



**6 - Proposed diversion of Drain 28/30, New House Farm, Morton North Drive [REFUSED]**



Extract from pages 25-26 of the Structures Report (Agenda Item No. 9, Structures Committee, 22<sup>nd</sup> March 2022):

**Morton Fen – No 16 – FX1772 30m x 900mm Armco**

Having been notified of this by the landowner regarding a collapsed culvert in a Board maintained watercourse outside No. 4 Morton North Drive, it was investigated by a Board’s officer. The culvert lies across the access to the property and extends approx. 30m east presumed to extend under the front garden of the property – collapsed section under driveway causing blockage. The Operations Manager has discussed this with the landowner, options, specification and estimates for repair or replacement to be provided.

Following correspondence on this matter with the landowner the Operations Manager had a site meeting in December 2021 to discuss a way forward with the collapsed culvert at this site. An estimate of £30,000+ was provided to replace the existing 30m x 900mm culvert as a visual inspection of the pipe from both ends shows corrosion along the water line. The partial collapse of the culvert is not currently impeding flows. It was at this meeting that the proposed development of the site was discussed, whereby it was stated that the proposal would have to be approved by the Board following an application.



Extract from pages 11-12 of the minutes of the Board Meeting 14th June 2022:

**i) Application to reroute Drain 28/30, New House Farm, Morton North Drove, Morton Fen following the collapse of Culvert No. 16 - FX1772**

*The Operations Manager noted that the landowners are considering developing the barns and, in light of the cost of replacing the culvert, have questioned whether the Board would consider an application to re-direct the drain around the site, as shown in red below, which will result in open watercourse being double the length of the current existing.*

*The Operations Manager noted that the Board has not been on site yet to confirm the levels given as part of their survey. The Operations Manager has taken levels from an existing survey, which shows 120cm difference between the two points, compared to their survey showing a difference of 420cm between the two points.*

*The Operations Manager noted that this has already been discussed by the Structures Committee and the Executive Committee, but felt the Board needed to decide whether such an application should be considered.*

*The Operations Manager gave his initial thoughts, noting that if it was agreed to then ideally there would need to be a 9-metre access strip left either side of the new watercourse. The landowners are prepared to accept the costs of digging the drain, but the Board needs to consider the conveyance of the proposed watercourse and future maintenance.*

*The Chairperson and Mr V Barker referred to concern of ground conditions. The Operations Manager noted that they have informed the landowner, that if the Board were to consider the application, the ground conditions would have to be proven suitable through ground investigations and that if the new cut failed, the landowner would have to pay the extra cost associated with repair.*

*Mr M Leggott noted his concern for the lack of fall and that it would regularly silt up, noting that the levels would need re-measuring. The Operations Manager noted that it would be checked to ensure that the figures are true and exact.*

*Mr M Brookes highlighted that the Board would have more watercourse to maintain going forward and the associated increase in cost, questioning whether a commuted sum might be required? The Operations Manager responded that, yes, a commuted sum could be requested.*

*Mr P Holmes referred to previous discussion at the Structures and Executive Committee meetings and the general feeling of not being in favour of the proposed new watercourse.*

## 7 - Loss of land issue as a result of Board works, New Cut Drain, Dyke Fen

An enquiry was received from the landowner on the South side of the New Dyke discharge drain, downstream of Dyke Fen pumping station, about loss of land along the c950m within his ownership. At a site meeting in November 2021 attended by the landowner, NFU County Adviser and Operations Manager, some options to consider were proposed.

The landowner has asked that the land lost through slippage of the banks be reinstated, as he would not be satisfied with repair of the bank slips as he felt that this would not fully re-instate his land.

It was explained that normal practice where more than 0.5m of land has been taken following reprofiling of the banks the Board pay a one-off land loss payment, determined by land value, which he feels would not be adequate compensation.

It was explained that this is the only means of paying compensation, and as a means of gathering data, agreed that the Board would complete a basic survey to measure bank top to bank top and toe to toe measurements to the extent of his ownership. It was also explained that the North side bank also has some areas of minor bank slippage that the Board are aware of.

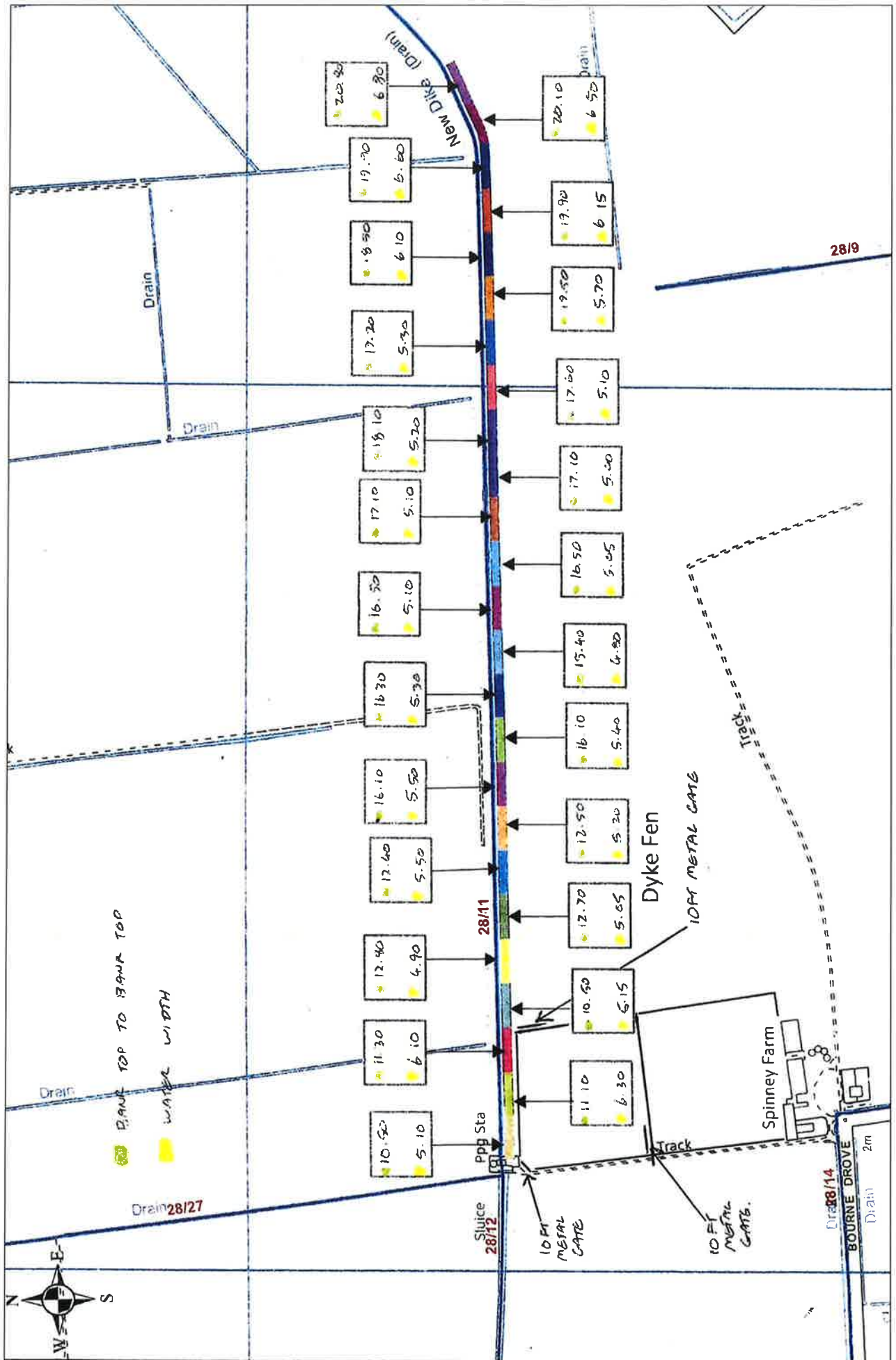
It was agreed following this survey this would then be compared against existing survey data.

*Extract from Page 2 of Policy No. 46*

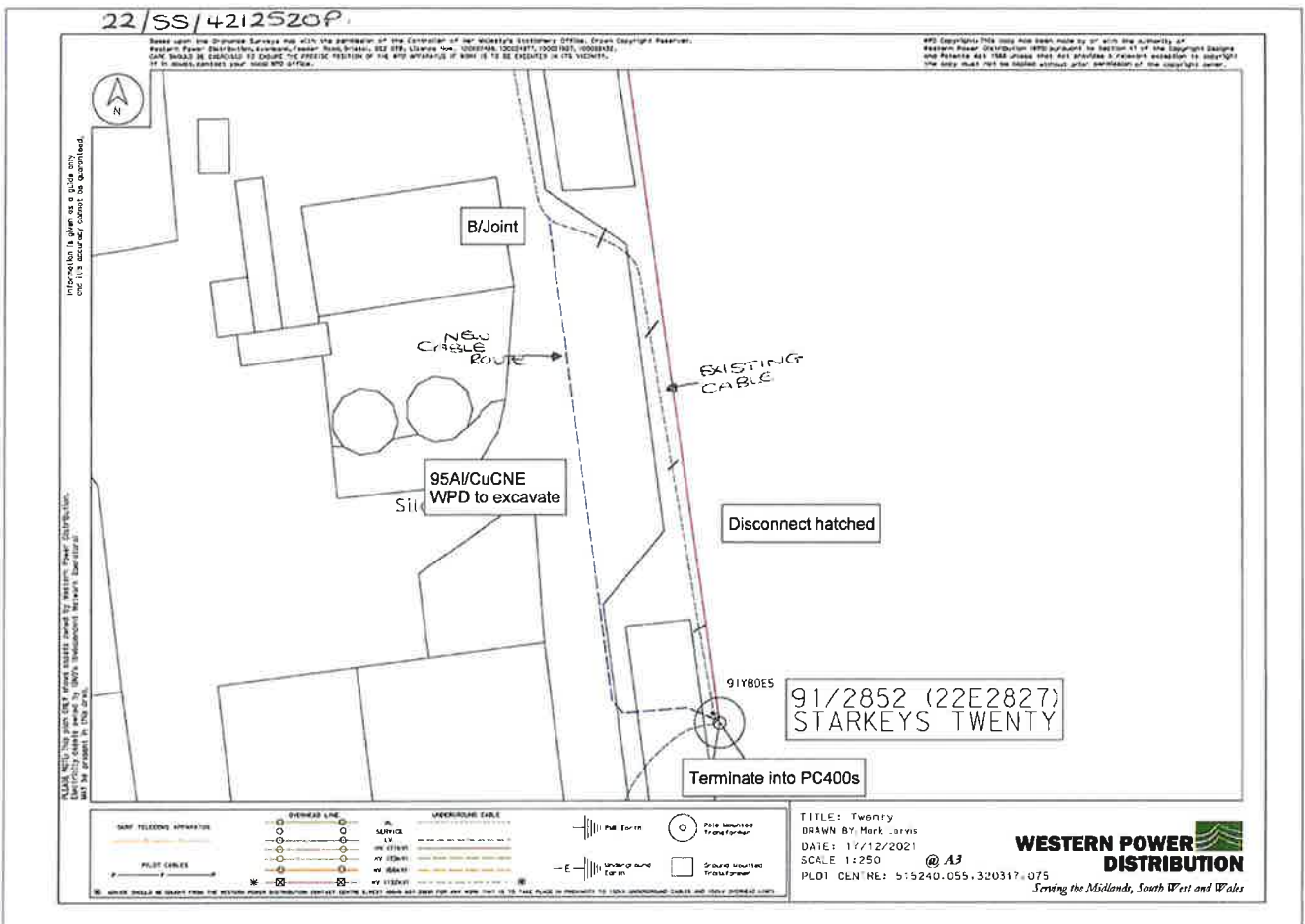
### **5. PERMANENT LOSS OF LAND**

*The Board will only pay land loss compensation to the landowner for widths lost greater than 500mm, the Board has limited records on landowners, if the compensation forms are posted to the ratepayer and they are not the landowner the ratepayer must immediately inform the Board and pass on the papers to the landowner. There is a twelve-month cut-off date for claiming compensation following any such land loss.*

<b>Land Loss Calculator</b>			
<b>Multiplier</b>	<b>Annual rateable value £/acre</b>	<b>Comp £/acre</b>	<b>Comp £/ha</b>
125	85	10,625	26,254
125	80	10,000	24,710
125	75	9,375	23,165
125	70	8,750	21,621
125	65	8,125	20,077
125	60	7,500	18,532
125	55	6,875	16,988
125	50	6,250	15,444
125	45	5,625	13,899



**D - Proposed culvert works and WPD underground cable replacement, Twenty - Update**



Consent issued to WPD to carry out the works illustrated above, with the Board to remove the existing damaged culvert once the diversion works are completed.

Board currently waiting on WPD who are negotiating with adjacent landowners.



**E - Proposed project with the Lincolnshire Wildlife Trust, Bourne North Fen**

Extract from the Lincolnshire Wildlife Trust associated document :

**2 - Introduction to the Bourne North Fen, South Lincolnshire Proposed Project**

<b>Project Title</b>	South Lincolnshire Fenland Storage & Transfer Reservoir: Pilot Project
<b>Lead Partner</b>	Lincolnshire Wildlife Trust
<b>Project Location</b>	Bourne North Fen, South Lincolnshire Fens
<b>Project Summary</b>	<p>Developing new water management tools and a sustainable approach to integrated catchment water management: meeting the needs of multiple water users and delivering multiple benefits.</p> <p>The capture, storage and transfer reservoir pilot will develop, trial and evaluate water management regimes and partnership working at the catchment, and multiple catchment level.</p> <p>Outline targets: increasing South Lincolnshire’s fenland habitats by 30%; capture and storage capacity 2-400,000m<sup>3</sup>; transfer potential 1-4 million m<sup>3</sup>; water quality improvements 1-4 million m<sup>3</sup>; potentially providing some flood risk alleviation to Surfleet via whole catchment approach at times of event recognising relates to tidal surges too; testing &amp; developing multiple partnership working and protocols.</p>
<b>Project Funding</b>	<p>Land purchase: £1 to 1.1 million</p> <p>Site development: £1 to 2 million dependent on the scale of capital works and evaluation / scale of outcome targets / demands</p>
<b>SLWP Priority</b>	High
<b>Comments</b>	Initial assessment of the Project’s costs and benefits at the base-level outline targets and outcomes (see above) are largely ‘knowns,’ there are however, a number of ‘unknowns’ at the higher level. There are no other similar national equivalents or trials of this scale elsewhere. Although at a moderate scale, this project will be able to test, inform and develop sustainable water management tools and techniques for wider ‘whole catchment’ use, and therefore is potentially relevant to improved water management at a national level.



## E - Proposed project with the Lincolnshire Wildlife Trust, Bourne North Fen

### Brief overview

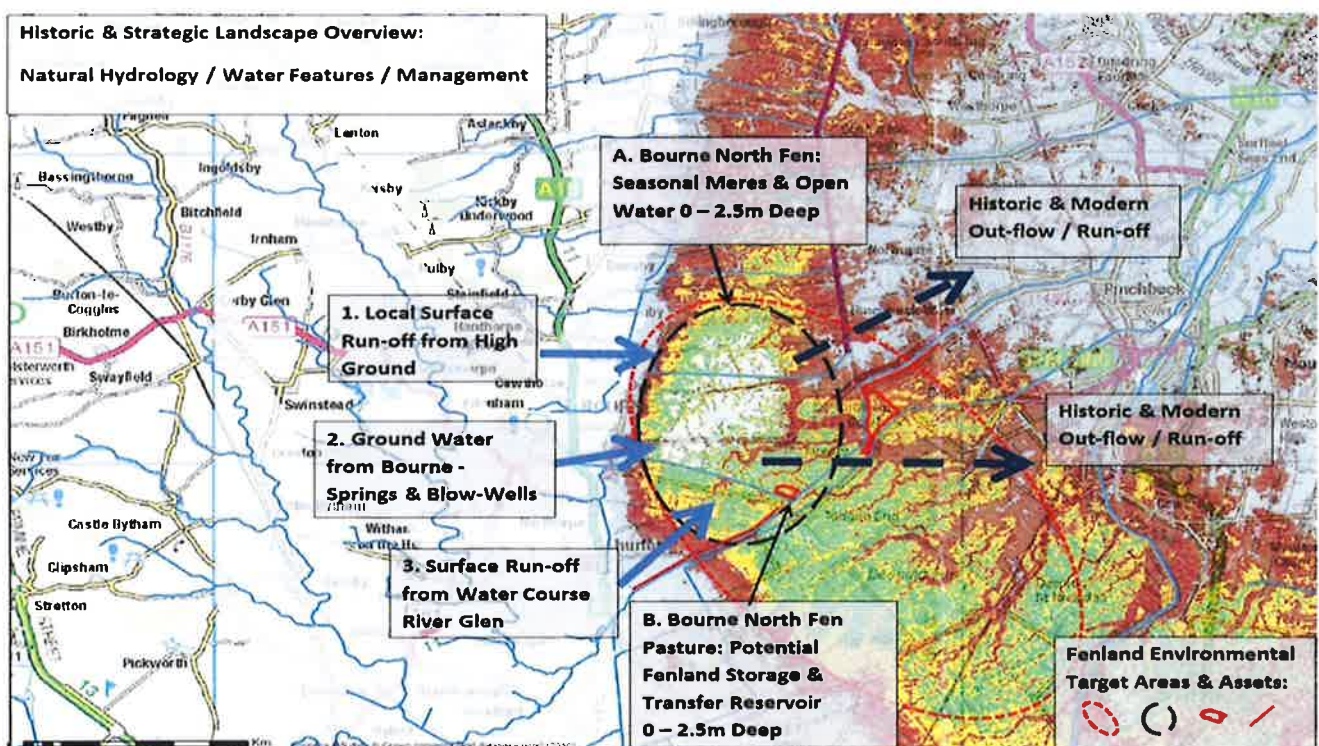
- Purchase of 50+ hectares at confluence of the Rivers Bourne Eau & Glen to create a water storage and transfer reservoir
- Purchase: £1-1.1 million
- Initial capital works: £1-2 million
- Lead organisation and proposed governance: LWT with the South Lincolnshire Water Partnership within the context of Water Resource East

### Aims & outcomes

- Developing new water management tools and a sustainable approach to integrated catchment water management
- Meeting the needs of multiple water users and delivering multiple benefits
- Piloting a capture, storage and transfer reservoir which will develop, trial and evaluate water management regimes and partnership working at the catchment, and multiple catchment level

### Outline targets

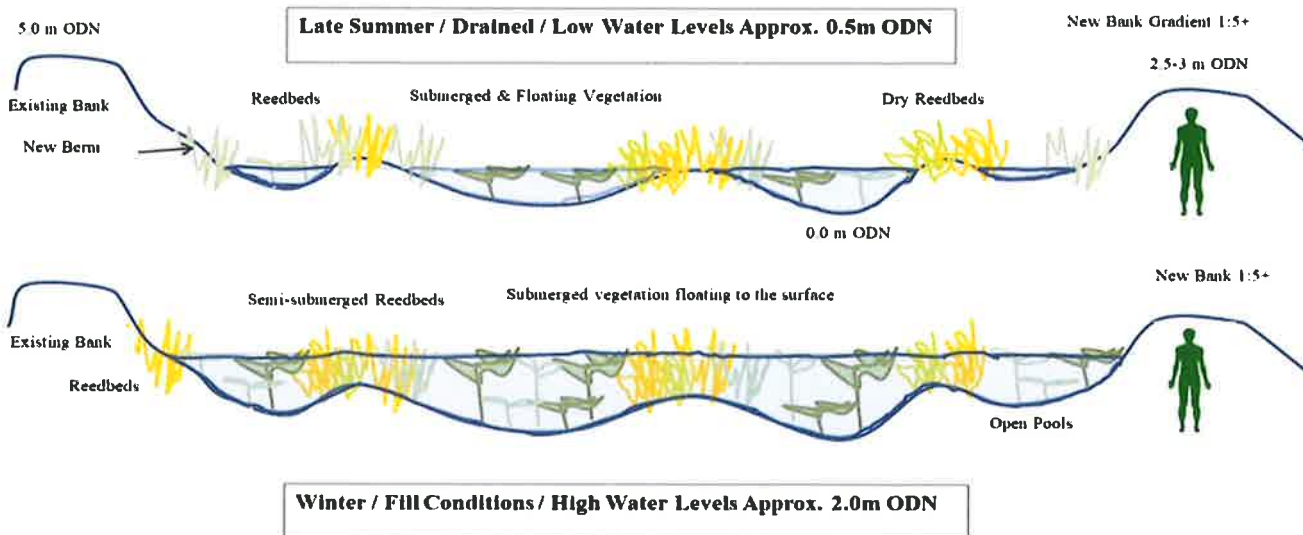
- Increasing South Lincolnshire's fenland habitats by 30%
- capture & storage capacity 2-400,000m<sup>3</sup> (potential 1Mm<sup>3</sup> @ 2.5m AOD)
- transfer potential 1-4 million m<sup>3</sup>
- water quality improvements 1-4 million m<sup>3</sup>
- potentially providing flood risk benefits in the area
- testing & developing multiple partnership working and protocols including funding and investment strategies



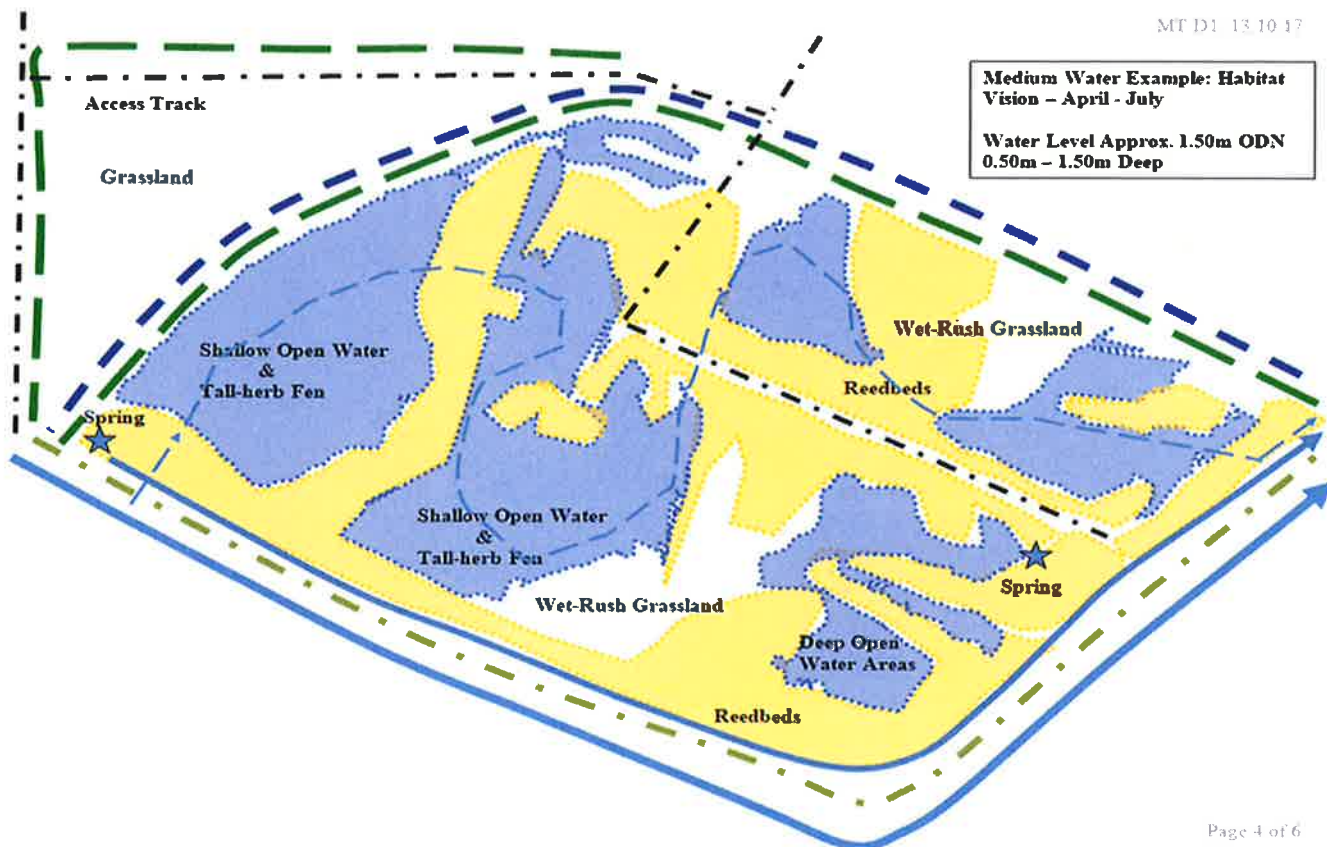
**E - Proposed project with the Lincolnshire Wildlife Trust, Bourne North Fen**

**Bourne North Fenland Reservoir Cross Section Summer & Winter - Not to scale**

**Water Level & Aquatic Vegetation Management:** Mimicking historical seasonal water levels and vegetation communities (existing & historical)  
**Open Water:** Water Crowfoots sp e.g Thread-leaved *Ranunculus trichophyllus*, Water Dropwort's *Oenanthe* sp. Common Club-Rush *Schoenoplectus lacustris*, Water Violet *Hottonia palustris*, Stonewort's *Chara* sp.  
**Open Water - Water Marglus:** Inc. Extensive reedbed / tall-herb fen /swamp habitats - NVC S24 Common Reed *Phragmites australis* & Milk Parsley *Peucedanum palustre* - see below (& Greater Water-Parasip *Sium latifolium*) S25 *P. australis* & *Angelica sylvestris* Hemp Agrimony *Eupatorium cannabinum*  
**Potential Reintroduction of County Extinct Sp.:** Saw-sedge *Cladium mariscus* (1932 Tattershall Cox). Cowbane *Cicuta virosa* (1838 Bourne Dodsworth), Milk Parsley *Peucedanum palustre* (1949 Waddingham Gibbons).



The diagram above illustrates how the Bourne North Fen site will potentially work through the seasons, and the one below provides an idea of what the site design.





**Black Sluice Internal Drainage Board  
10 Year Capital Schemes Budget  
2022/23 to 2031/32**

Year	Type	Scheme	Total	Grant / Local Levant	Other Contributions	Possible Board Contribution	Drain	PS	
2022/23	Drain	<b>Graft Drain Improvements</b>	£0				£0		
	Drain	Dowsby Lode Catchment Works							
	Drain	Haconby Fen Catchment Works							
	Pump	Sempingham PS Refurbishment	£200,594	£200,594					
	Pump	PS Automation & Gauge Boards	£20,993	£20,993					
	Drain	BSIDB NFM Studies	£39,889	£39,889					
	Drain	NFF Revetments/Pipeline 18/19	£149,101	£71,101	£8,000	£70,000			
	Drain	Lane Dyke Culvert Replacement	£469	£469					
	Drain	Black Sluice Catchment Strategy	£247,249	£247,249					
	Drain	BSIDB NFM Works	£107,000	£107,000					
	Drain	Alternative Programme access works	£20,000	£20,000			£20,000		
	Drain	Major Slip Repairs	£90,000	£90,000			£90,000		
	Drain	Jetting Major Pipelines	£20,000	£20,000			£20,000		
	Pump	Dyke Fen PS, refurbish 1 pump motor	£3,000	£3,000				£3,000	
Pump	Dunsby Fen PS, refurbish 1 pump motor	£3,000	£3,000				£3,000		
Pump	Gosberton Fen PS refurbish 1 pump motor	£4,000	£4,000				£4,000		
Drain	General culvert replacement contributions	£5,000	£5,000			£5,000			
			£910,295	£687,295	£8,000	£70,000	£135,000	£10,000	
2023/24	Drain	<b>BSIDB NFM Studies</b>	£150,000	£150,000					
	Drain	Central Catchment Amalgamation Study	£100,000	£100,000					
	Drain	North Catchment Amalgamation Study	£100,000	£100,000					
	Drain	Bicker Fen Catchment works	£10,000	£10,000					
	Pump	Great Hale Fen PS refurbish weedscreen cleaner	£75,000	£75,000			£75,000	£75,000	
	Drain	Jetting to major pipelines	£75,000	£75,000					
	Pump	Dyke Fen PS, refurbish 1 pump and 1 motor	£25,000	£25,000				£25,000	
	Pump	Kirton Marsh PS new roof	£11,000	£11,000				£11,000	
	Drain	Quadrant North Fen roadside revetment	£24,000	£24,000			£24,000		
	Drain	Alternative Programme access works	£20,000	£20,000			£20,000		
	Drain	General culvert replacement contributions	£5,000	£5,000			£5,000		
				£595,000	£360,000		£124,000	£111,000	
				£65,000	£113,249	£266,751	£50,000	£65,000	
				£430,000	£150,000				
			£150,000	£100,000					
2024/25	Drain	<b>North Catchment Amalgamation Study</b>	£100,000	£100,000					
	Drain	Jetting to major pipelines	£75,000	£75,000			£75,000		
	Drain	Dunsby Fen Catchment Works	£10,000	£10,000					
	Drain	Ewerby Fen Catchment Works	£10,000	£10,000					
	Pump	Ewerby Fen PS Replace control panel	£60,000	£60,000				£60,000	
	Pump	Kirton Marsh PS refurbish 1 pump and 1 motor	£30,000	£30,000				£30,000	
	Drain	Dyke Fen (New Dyke) revetments	£25,000	£25,000			£25,000		
	Drain	General culvert replacement contributions	£5,000	£5,000			£5,000		
				£960,000	£383,249	£266,751	£50,000	£170,000	£90,000
				£65,000					
				£10,000	£10,000				
				£298,000	£45,508	£202,492	£50,000		
				£750,000	£332,410	£367,590	£50,000		£65,000
				£65,000					£12,000
			£40,000				£40,000		
			£10,000				£10,000		
			£35,000				£35,000		
			£20,000				£20,000		
			£25,000				£25,000		
			£5,000				£5,000		
			£1,335,000	£387,918	£570,082	£100,000	£175,000	£102,000	
2025/26	Drain	<b>Claydyke desilting</b>	£65,000	£65,000			£65,000		
	Drain	Haconby Fen Catchment Works	£60,000	£60,000			£60,000		
	Drain	Jetting to major pipelines	£50,000	£50,000			£50,000		
	Drain	Horbling Town Beck Flood Alleviation scheme	£758,000	£130,568	£577,432	£50,000			
	Drain	Dunsby Fen Catchment Works	£10,000	£10,000					
	Pump	Damsford PS replace control panel	£12,000	£12,000					
	Pump	Horbling Fen PS new roof	£40,000	£40,000				£40,000	
	Drain	Jetting to major pipelines	£10,000	£10,000				£10,000	
	Drain	Spread & Level Lagoon NFF	£35,000	£35,000				£35,000	
	Drain	Dyke Fen (New Dyke) revetments	£20,000	£20,000				£20,000	
	Drain	NFF Desilting	£25,000	£25,000				£25,000	
	Pump	Haconby PS refurbish axial flow pump	£5,000	£5,000				£5,000	
	Drain	General culvert replacement contributions	£5,000	£5,000				£5,000	
				£1,335,000	£387,918	£570,082	£100,000	£175,000	£102,000
2026/27	Drain	<b>SFFD Desilting</b>	£80,000	£80,000			£80,000		
	Drain	Jetting to major pipelines	£50,000	£50,000			£50,000		
	Pump	Cooks Lock p/s refurbish weedscreen cleaner	£80,000	£80,000				£80,000	
	Drain	New Hammond Beck Desilting	£40,000	£40,000				£40,000	
	Drain	Dowsby Fen Catchment Works	£350,000	£162,686	£137,314	£50,000			
	Pump	Bicker Fen replacement control panel	£33,000	£33,000				£33,000	
	Pump	Bicker Fen refurb 1 x axial flow pump	£25,000	£25,000				£25,000	
	Drain	General culvert replacement contributions	£5,000	£5,000				£5,000	
				£1,058,000	£140,568	£577,432	£50,000	£110,000	
				£80,000					
				£50,000					
				£80,000					
				£40,000					
				£350,000					
			£33,000						
			£25,000						
			£5,000						
			£663,000	£162,686	£137,314	£50,000	£175,000	£138,000	
2027/28	Drain	<b>Old Hammond Beck Desilting</b>	£80,000	£80,000			£80,000		
	Drain	Jetting to major pipelines	£60,000	£60,000			£60,000		
	Pump	Donington NI refurbish 3 x axial flow pumps	£75,000	£75,000				£75,000	
	Pump	Kirton Marsh p/s replace control panel	£35,000	£35,000				£35,000	
	Drain	Bourne Fen 28/10 Revetment	£30,000	£30,000				£30,000	
	Pump	Great Hale Fen refurb 1 x axial flow pump	£17,000	£17,000				£17,000	
	Pump	Helpingham p/s new roof	£13,000	£13,000				£13,000	
	Drain	General culvert replacement contributions	£5,000	£5,000				£5,000	
				£315,000			£175,000	£140,000	
				£60,000			£60,000		
				£80,000				£80,000	
				£36,000				£36,000	
				£36,000				£36,000	
				£40,000				£40,000	
			£32,000				£32,000		
			£36,000				£36,000		
			£5,000				£5,000		
			£325,000				£173,000	£152,000	
2028/29	Drain	<b>Swineshead pump drain desilting/under pump inspections</b>	£60,000	£60,000			£60,000		
	Drain	Jetting to major pipelines	£60,000	£60,000			£60,000		
	Pump	Horbling p/s control panel	£45,000	£45,000				£45,000	
	Pump	Mallard Hurm control panel	£45,000	£45,000				£45,000	
	Drain	Cooks Lock pump drain desilting/under pump inspections	£42,000	£42,000				£42,000	
	Pump	Trinity College refurb pumps	£35,000	£35,000				£35,000	
	Drain	Black Hole Drove p/s under pump inspections	£25,000	£25,000				£25,000	
	Drain	General culvert replacement contributions	£5,000	£5,000				£5,000	
				£317,000			£192,000	£125,000	
				£70,000			£70,000		
				£24,925			£24,925		
				£50,000				£50,000	
				£50,000				£50,000	
				£50,000				£50,000	
			£50,000				£50,000		
			£30,000				£30,000		
			£324,925			£174,925	£150,000		

**BLACK SLUICE INTERNAL DRAINAGE BOARD**  
**SOUTHERN WORKS COMMITTEE – 05 July 2022**

**AGENDA ITEM 08**  
**ENGINEER'S REPORT**

**1. Capital Asset improvements**

**(a) 2022/23 Defra/EA Funded Flood and Coastal Erosion Risk Management (FCERM) Grant in Aid (GiA) Schemes**

**(i) Remote monitoring, telemetry H&S scheme**

Works have now been completed on this scheme, with all of the 34 pumping stations operational remotely. The metric gauge boards have all been purchased and installed. The CCTV at all of the sites has been installed. In total £188,508 has been spent on this scheme with £189,500 funded from Grant money. Originally the Board was contributing £57,000 to this scheme but that was not necessary when the bid was reworked, and the entire scheme was funded through FDGiA. An additional £20,000 contingency was claimed to fund the installation of the remaining telemetry units and an additional controller that is required for Chain Bridge Pumping Station and the setting up of the CCTV and controller software.

**(ii) Swaton Natural Flood Management (NFM) schemes**

3 sites were identified to attenuate flows in the Swaton catchment. The first site having been completed.

Following agreement with the Environment Agency, these sites are being delivered by the Board through the Public Sector Cooperation agreement(PSCA). It is estimated that the remaining 2 sites will be completed by March 2023.

**(iii) Sempringham Fen Pumping Station Refurbishment**

Works are programmed to progress on this scheme subject to completion of a 20 year land lease agreement with Crown Estates, which is taking longer than anticipated.

Works are now expected to be completed by March 2023.

**(i) SFF Upper catchment Natural Flood Management (NFM)**

The study, now completed, showed the Morton, Aslackby, Billingborough and Helpringham catchments as those with the best opportunities for NFM implementation. A proposal for funding towards implementation of these schemes was put before the Regional Flood and Coastal Committee (RFCC) Local Choices, and funding received to complete. The survey and landowner engagement work being completed on behalf of the Board by Lesley Sharpe.

Several sites for NFM interventions have been identified and visited with Board's officers, that are to be implemented when land use enables.

(iv) Lane Dyke culvert replacement

A business case was presented for this scheme but did not realise the benefits required to be a viable scheme for grant allocation.

This scheme has been removed for now, and a survey of the Lane Dyke is to be completed.

(v) Black Sluice Catchment Strategy

This Scheme has been commissioned, and an application for funding has been made, to bring all of the individual catchment studies together and complete any other catchments with the overall aim of the entire Board's area being completed. This will then give a complete picture of the Board's area and enable better decision making going forwards, especially in relation to the replacement of pumping stations and the potential change or merging of catchments. The total Grant applied for to complete this scheme is £250,000.

Horbling Fen, Dowsby Lode and Haconby Fen catchment studies have all now been reprofiled into future years, and will be dependent upon the outcome of the Black Sluice Catchment Strategy.

**(b) 2022/23 Board funded capital schemes**

(i) Graft Drain

The Graft Drain project has been ongoing for a number of years and the intention for the remaining unspent budget was for the scheme to recommence over the year end period utilising the remaining 2021/22 budget of £33,922 and the £60,000 from the 2022/23 budget. This did not happen due to works being completed for the Environment Agency during this period, which also recovered some of the unbudgeted costs. This unspent budget has been re-allocated to other higher priority schemes in 2022/23. It is still intended to complete the Graft Drain project, but a budget has not currently been identified.

(ii) Major Slip repairs.

Throughout the catchment following two wet winters c45 bank slips have been identified, which is more than to be expected in normal years. Because of this the decision was made, as a priority, to allocate funding to commence repairs.

(iii) Jetting to Major Pipelines – Estimate £20,000

Works on the remaining sections in the Donington and Kirton Catchments to be completed this year

(iv) Dyke Fen Pumping Station refurbish 1 pump motor – Estimate £3,000

One of the electric motors that drives the pump will be removed for refurbishment.

(v) Dunsby Fen Pumping Station refurbish 1 pump motor – Estimate £3,000

The electric motor that drives the pump will be removed for refurbishment.

(vi) Gosberton Fen Pumping Station refurbish 1 pump motor - Estimate £4,000

One of the electric motors that drives the pump will be removed for refurbishment.

(vii) Alternative Programme Access works

These works are to enable ongoing new maintenance methods providing access for alternate bank cuts, through flailing, bushing, and placement of side entry access culverts.

**(c) 2023/24 Defra/EA FCERM GiA Schemes**

(i) NFM Studies – £150,000

It is expected that a further funding application for continuation of NFM studies and interventions will be made.

(ii) Central Catchment Amalgamation Study - £100,000

This study is to develop the findings from the Catchment Strategy and understand the potential for changing the existing water level management in individual catchments, by amalgamation of adjoining catchments.

**(d) 2023/24 Board funded capital schemes**

(i) Quadrang North Fen roadside revetment – Estimate £24,000

There is some roadside bank slippage along this section of drain that requires repair, which will be subject to a road closure. At a previous site meeting LCC Highways Manager was made aware of the issue, another meeting with LCC will be requested prior to commencement of works on site.

(ii) Dyke Fen Pumping Station pump and pump motor refurbishment – Estimate £25,000

Part of ongoing preventative maintenance at this Pumping Station to refurbish the pump and pump motor to one of the pumps, this is a two-pump station.

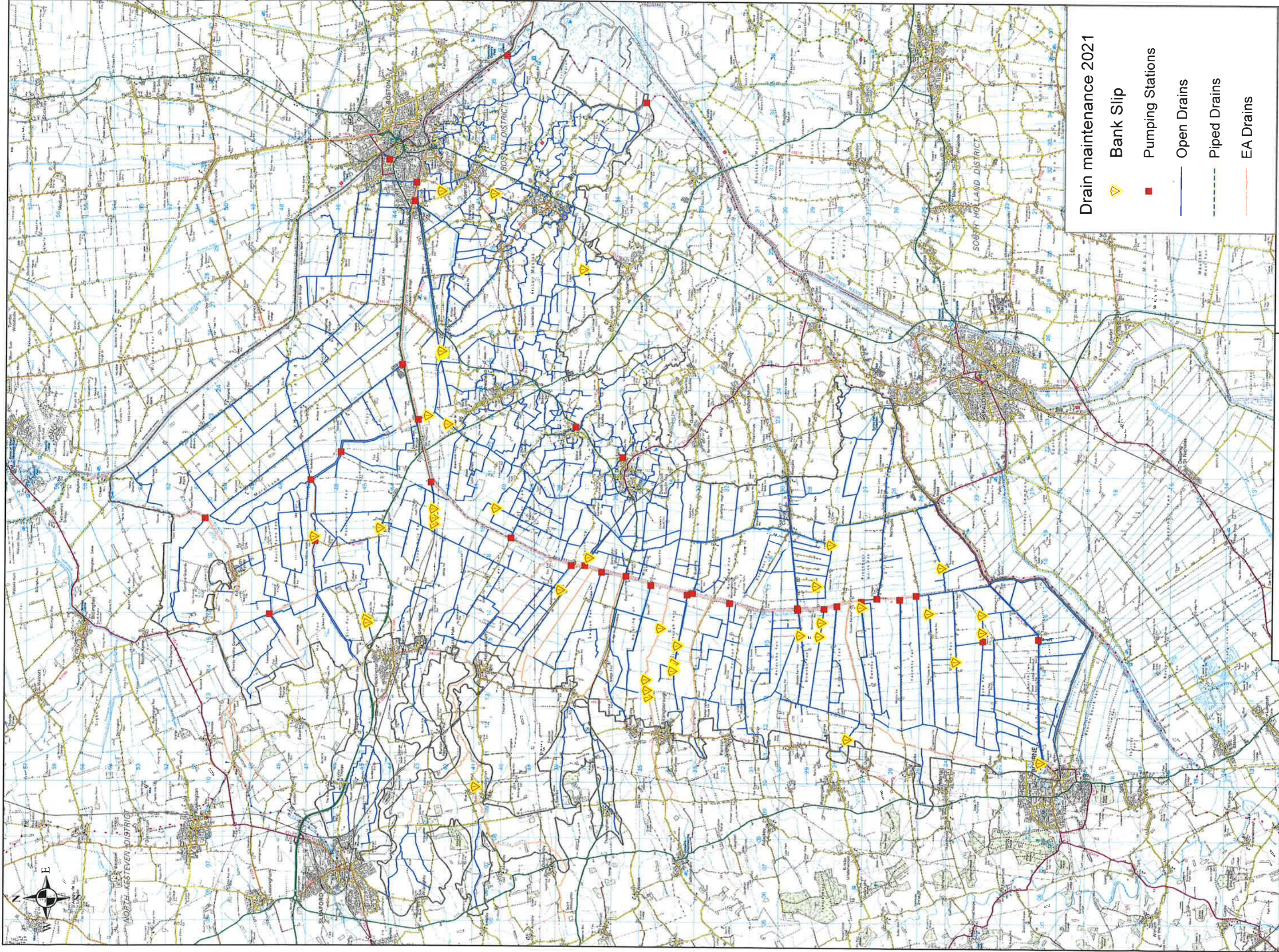
**2. Emergency Response Plan**

A reminder regarding the Emergency Response Plan and a fluvial event; The South Forty Foot banks are seen to be at risk of breaching when the water levels rise above 2.70m ODN at Black Hole Drove pumping station. If this occurs the pumps at the Boards pumping stations shall start to be switched off by remote telemetry control as agreed by the Emergency Response Team at the same time switching all pumps to their Emergency Profile Level as identified within the Emergency Response Plan. The pumps shall remain switched off until the level of the water in the South Forty Foot Drain at Black Hole Drove reduces to 2.30m ODN.






Should the event become more extreme then a decision will need to be made by the Emergency Response Team in conjunction with the Chairperson of the Board on whether water levels in the Fens should be allowed to rise higher than the figures shown within the Emergency Response Plan, live CCTV footage showing the pumping station suction bays will be assessed when making these decisions.

### **3. Crop Loss**

A reminder regarding grass, hay, silage fields as stated within the Boards Crop Loss Compensation Policy (No.46). During Summer Cutting, compensation will not be paid for access by machinery through grassland, hay or silage fields. Other maintenance works, i.e. de-silting and bushing works compensation will be paid for damage to grass, hay or silage fields at £1,310.00/hectare, all as per policy 46 (pages 46 - 51).



**Drain maintenance 2021**

-  Bank Slip
-  Pumping Stations
-  Open Drains
-  Piped Drains
-  EA Drains

**Black Sluice Internal Drainage Board**

Station Road, Swineshead,  
 Boston, Lincolnshire PE20 3PW  
 Tel: 01205 821440  
 Email: [mailbox@blacksluiceidb.gov.uk](mailto:mailbox@blacksluiceidb.gov.uk)



**Bank Slips identified during Drain Maintenance 2021**

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 number 100021578

Date: 05/05/2022

Scale: 1:120,000

# Black Sluice Internal Drainage Board

## Policy No: 46

### Crop Loss Compensation

Review	Audit & Risk Committee 14 October 2020
Board Approved	25 November 2020

#### 1. PURPOSE

This document sets out the policy of the Black Sluice Internal Drainage Board concerning crop loss compensation for summer drain maintenance, any other maintenance works and permanent loss of land.

#### 2. WHEN DOES CROP LOSS COMPENSATION APPLY?

The Board will only pay crop loss compensation to the ratepayer if a field is cropped at the time the work is carried out and the work causes damage to the crop or coverage of the crop with arising's from the works. There is a twelve-month cut-off date for claiming compensation following any such crop damage. Following any crop damage, the Boards Officers seek to agree any crop loss payments with the relevant party involved.

#### 3. SUMMER DRAIN MAINTENANCE (WEED CUTTING)

Where the Board travels through standing crops to undertake weed cutting operations, compensation will be paid for crop loss at the rate of 25p per linear metre for all cereal crops and 44p per linear metre for oil seed rape. Root crops will be subject to private negotiation. Compensation will not be payable for access through grassland.

The Board has authorised the Operations Department to go through standing crops where deemed necessary in the interest of economy, efficiency and to minimise soil structure damage.

Cereals: 1000m x 25p per metre = £250.00
Oil Seed Rape: 1000m x 44p per metre = £440.00

#### 4. OTHER MAINTENANCE WORKS (DE-SILTING/BUSHING)

Where **notice of entry (August/September notice) has been served** before a field has been cultivated, drilled, or planted, compensation will be calculated at the rate of **£1,310 per hectare whatever crop** is in the field.

Where **notice of entry has not been served** and a field has been cultivated, drilled, planted or sprayed, compensation will be calculated at the rate of **£1,495 per hectare for cereals** and **£1,720 per hectare for oil seed rape**.

## 5. PERMANENT LOSS OF LAND

The Board will only pay land loss compensation to the landowner for widths lost greater than 500mm, the Board has limited records on landowners, if the compensation forms are posted to the ratepayer and they are not the landowner the ratepayer must immediately inform the Board and pass on the papers to the landowner. There is a twelve-month cut-off date for claiming compensation following any such land loss.

<b>Land Loss Calculator</b>			
<b>Multiplier</b>	<b>Annual rateable value £/acre</b>	<b>Comp £/acre</b>	<b>Comp £/ha</b>
125	85	10,625	26,254
125	80	10,000	24,710
125	75	9,375	23,165
125	70	8,750	21,621
125	65	8,125	20,077
125	60	7,500	18,532
125	55	6,875	16,988
125	50	6,250	15,444
125	45	5,625	13,899

## 6. HOW THIS POLICY WILL BE APPLIED

### Summer Cutting

1. Notice is included with the drainage rate brochure and plan kept up to date on the website.
2. The Works Supervisor will endeavour to contact the occupier.
3. If the crop is due to be harvested imminently the programme will be adjusted to accommodate this where practicable.
4. If the crop is not due to be harvested imminently then the standard compensation rates will be agreed with the occupier.
5. The occupier is to be handed a leaflet explaining the process and policy or emailed it as a PDF attachment.
6. The GIS Technician raises claim forms and posts to the occupier as per the drainage rate records.
7. The occupier signs and returns the claim form including their bank details, within twelve months of the form being sent.
8. The GIS Technician records the receipt of the claim form and if correct passes to finance for payment.
9. Payment is authorised by the Chief Executive Officer or Finance Manager.
10. Claim is paid by the end of the following month it is claimed subject to the occupier matching the records on the drainage rate records.



### Winter cleansing

1. Notice is sent in a letter in September/October prior to the works commencing in December of the same year.
2. The GIS Technician collates the crop loss from the drivers weekly report sheets.
3. The GIS Technician raises claim forms and posts to the occupier as per the drainage rate records.
4. The occupier signs and returns the claim form including their bank details, within twelve months of the form being sent.
5. The GIS Technician records the receipt of the claim form and if correct passes to finance for payment.
6. Payment is authorised by the Chief Executive Officer or Finance Manager
7. Claim is paid by the end of the following month it is claimed.

### Land Loss

1. Notice is sent in a letter in September/October prior to the works commencing in December of the same year.
2. The GIS Technician collates the land loss from the drivers weekly report sheets.
3. The GIS Technician raises claim forms and posts to the occupier as per the drainage rate records requesting the details of the owner of the land, if not known.
4. The GIS Technician sends the claim forms to the owner if different to the occupier.
5. The owner signs and returns the claim form including their bank details, within twelve months of the form being sent.
6. The GIS Technician records the receipt of the claim form and if correct passes to finance for payment.
7. Payment is authorised by the Chief Executive Officer or Finance Manager.
8. Claim is paid by the end of the following month it is claimed.

### **Appendixes**

Please see attached the following documents:

1. Compensation for Loss of Cropping
2. Claim Form for Crop Loss (Occupiers)
3. Claim Form for Land Loss (Owners)

# Black Sluice Internal Drainage Board

Station Road  
Swineshead  
Boston  
Lincolnshire  
PE20 3PW

01205 821440

www.blacksluiceidb.gov.uk

mailbox@blacksluiceidb.gov.uk

## COMPENSATION FOR LOSS OF CROPPING

The Board wish to gain access onto cropped fields and are willing to pay compensation to the Occupier:

Current Rate of compensation £  per metre Date  /  /

NAME OF OCCUPIER

ADDRESS OF OCCUPIER

  
.....  
.....  
.....  
.....

TELEPHONE NUMBER

FIELD No:

DRAIN No:

LENGTH OF DRAIN CONCERNED

METRES

COMPENSATION PAYABLE

METRES X £

METRE

= £

Agreed on behalf of Occupier.....

Agreed on behalf of Board.....

# BLACK SLUICE INTERNAL DRAINAGE BOARD

## CLAIM FORM FOR CROP LOSS (OCCUPIERS)

26/10/2020

RPA Sheet ID	RPA Parcel ID	Length (m)	Width (m)	Area of Crop Loss (Hectares)	Rate of Compensation	Amount of Compensation
<b>Drain 22 / 28 Gosberton</b>						
TF1927	5141	398	0.00	0.0000	£1,310	£1.00

I/we the undersigned and being the occupier of the above mentioned fields am/are prepared to accept in full and final settlement of my/our claim for compensation the sum of:-

**£1.00**

Signature .....

Date .....

Occupier: BLACK SLUICE I D B  
STATION ROAD  
SWINESHEAD  
BOSTON  
LINCS  
PE20 3PW

**Please sign and return GREEN copy to BSIDB.**

The white copy is for your own records.

### **Payment of Crop Loss Compensation**

It is the Board's policy to make all payments wherever possible by direct transfer.

Please provide account details below:-

Account in name of .....

Sort Code .....

Account Number .....

# BLACK SLUICE INTERNAL DRAINAGE BOARD

## CLAIM FORM FOR LAND LOSS (OWNERS)

### LAND LOSS

Drain: /

26/10/2020

RPA Sheet ID	RPA Parcel ID	Length (m)	Width (m)	Area of Land Loss (Hectares)	Rate of Compensation	Amount of Compensation
-----------------	------------------	---------------	--------------	------------------------------------	-------------------------	---------------------------

I/we the undersigned and being the owner of the above mentioned fields am/are prepared to accept in full and final settlement of my/our claim for compensation the sum of:-

£0.00

Signature .....

Date .....

Occupier:

Owner: .....

.....  
.....  
.....  
.....

**Please sign and return GREEN copy to BSIDB.**

The white copy is for your own records.

#### **Payment of Land Loss Compensation**

It is the Board's policy to make all payments wherever possible by direct transfer.

Please provide account details below:-

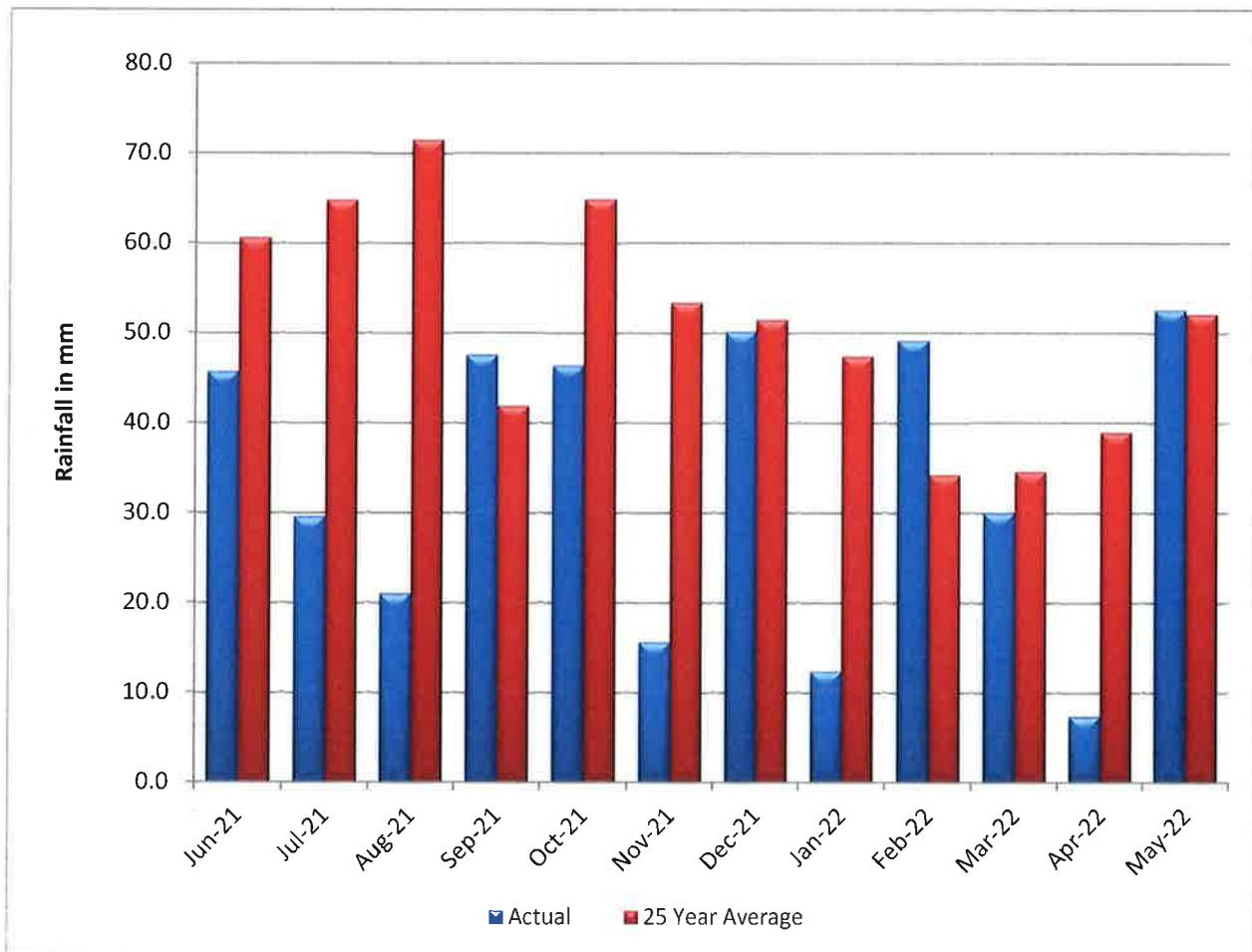
Account in name of .....

Sort Code .....

Account Number .....

## BLACK SLUICE INTERNAL DRAINAGE BOARD Rainfall at Swineshead Depot

MONTH	Rainfall		Actual / Average
	Actual	25 Year Average	
	mm	mm	%
Jun-21	45.7	60.6	75.41%
Jul-21	29.6	64.8	45.68%
Aug-21	21.0	71.5	29.37%
Sep-21	47.6	41.9	113.60%
Oct-21	46.4	64.9	71.49%
Nov-21	15.6	53.4	29.21%
Dec-21	50.2	51.5	97.48%
Jan-22	12.4	47.4	26.16%
Feb-22	49.2	34.2	143.86%
Mar-22	30.0	34.6	86.71%
Apr-22	7.4	39.0	18.97%
May-22	52.6	52.1	100.96%
<b>Totals</b>	<b>407.7</b>	<b>615.9</b>	<b>66.20%</b>



## BLACK SLUICE INTERNAL DRAINAGE BOARD Rainfall at Black Hole Drove Pumping Station

MONTH	Rainfall		Actual / Average
	Actual	25 Year Average	
	mm	mm	%
<b>Jun-21</b>	54.2	60.6	89.44%
<b>Jul-21</b>	33.6	58.6	57.34%
<b>Aug-21</b>	18.0	64.3	27.99%
<b>Sep-21</b>	40.6	39.3	103.31%
<b>Oct-21</b>	36.6	58.9	62.14%
<b>Nov-21</b>	8.4	52.9	15.88%
<b>Dec-21</b>	47.0	48.8	96.31%
<b>Jan-22</b>	9.2	44.8	20.54%
<b>Feb-22</b>	30.0	31.5	95.24%
<b>Mar-22</b>	25.0	34.0	73.53%
<b>Apr-22</b>	5.0	39.4	12.69%
<b>May-22</b>	53.4	50.6	105.53%
<b>Totals</b>	361.0	583.7	61.85%

