

BLACK SLUICE

INTERNAL DRAINAGE BOARD



Northern Works Committee Meeting

Wednesday 4th November 2020 at 2pm

Virtual Meeting



Black Sluice Internal Drainage Board

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Our Ref: IW/DPW/B10_1

Your Ref:

Date: 28th October 2020

To all Northern Works Committee Members

Notice is hereby given that a Meeting of the Northern Works Committee will be held remotely on Wednesday 4th November 2020 at 2pm at which your attendance is requested.

Due to COVID-19, this meeting will be held remotely in accordance with The Local Authorities and Police and Crime Panels (Coronavirus) (Flexibility of Local Authority and Police and Crime Panel Meetings) (England and Wales) Regulations 2020.

Yours sincerely

Chief Executive

AGENDA

1. Apologies for absence.
2. Declarations of Interest.
3. To receive and, if correct, sign the Minutes of the last meeting of the Joint Works Committee held on 21st November 2019 (**pages 1 - 12**)
4. Matters arising.
5. To review the Northern Works Committee Terms of Reference (**pages 13 & 14**)
6. To consider Period 06 Management Accounts (**pages 15 - 20**)
7. To receive a report on Engineering Works for 2020 (**pages 21 - 29**)
(a) Capital Scheme Budget (**page 30**)
8. To receive the Quarter 2 Forecast (**pages 31 - 34**)
9. To review the policy on Crop Loss Compensation (**pages 35 - 41**)
10. To receive a report on the South Forty Foot Catchment Updates (**pages 42 - 52**)
11. Rainfall (**pages 53 & 54**)
12. Any Other Business.

BLACK SLUICE INTERNAL DRAINAGE BOARD

MINUTES

of the proceedings of a Joint Meeting of the
Northern and Southern Works Committees

held at the Offices of the Board on
21st November 2019 at 2pm

Northern Works Members

Chairman - Mr P Holmes

Cllr T Ashton	Cllr R Austin
* Cllr P Bedford	* Mr M Brookes
Mr D Casswell	Cllr M Cooper
Mr J Fowler	* Cllr M Head
* Mr R Leggott	Mr R Needham
Cllr F Pickett	* Mr J E Pocklington
Mr P Robinson	Mr N Scott
* Cllr P Skinner	* Mr R Welberry

Southern Works Members

Chairman - * Mr M Rollinson

* Mr W Ash	Mr J Atkinson
* Mr V A Barker	* Cllr C Benn
* Mr K C Casswell	* Mr J Casswell
* Mr R Dorrington	Mr C Dring
Mr A Mair	* 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 P Nicholson (Operations Manager)
Mr S Disley

Mr M Rollinson chaired the meeting.

The Chairman welcomed the guest; Simeon Disley.

1540 APOLOGIES FOR ABSENCE - Agenda Item 1

Apologies for absence were received from Mr J Atkinson, Mr J Fowler, Mr P Holmes, Mr P Robinson, Cllr F Pickett, Cllr S Walsh, Mr D Casswell, Mr A Mair, Mr R Needham and Mr C Dring.

1541 DECLARATIONS OF INTEREST - Agenda Item 2

Declarations of interest were received from Mr V Barker regarding works in the Gosberton catchment.

1542 TO RECEIVE A PRESENTATION FROM SIMEON DISLEY - Agenda Item 3

Simeon Disley, the Vice Chairman of the Wash Frontage Group and member of the Wrangle Bank Committee gave a presentation on the improvements to the sea bank since the storm surge of 2013, the resulting works at Wrangle and what needs to be done next.

Interesting points brought to the members attention during the presentation included:

- The predicted increase in sea levels is one metre in the next 100 years.
- The benefits of land reclamation – the increase in area available for agricultural production and the result on an improvement in the sea defences.
- There have been no substantial improvements to the sea banks along the coastline of The Wash for 36 years.
- The flooding event of 2013 prompted Stafford Proctor to reform The Wash Frontage Group, a group which has not met since 1982.
- A meeting was held in August 2014, attended by landowners and a committee was formed to campaign for improvements to the sea defences around The Wash.
- The Environment Agency only had £570,000 of funding available and could not do anything meaningful with such an amount.
- Therefore, Peter Bateson, Chief Executive of Witham 4th IDB, suggested that the IDB would act as the 'agent' of the Environment Agency in managing the works.
- In early 2015 an outline business case was developed to increase the height of the sea bank between Leverton and Friskney to 6.5 metres.
- With the support of the Lincolnshire Enterprise Partnership (LEP) a further £500,000 was made available from EU Funding – used to heighten the banks to 7 metres.
- In January 2017, the 14 landowners and 4 agricultural tenants along the sea bank agreed to support the works – to supply soil to use for the bank improvements.
- The proposed commencement date of the work was 3rd April 2018, due to the weather, this was delayed by 13 days.
- The project was completed in September 2018 and a defects period followed for 12 months.
- The Wash Frontage Group's aim is that the successful completion of this project should be the beginning of a rolling programme of improvements to the whole length of The Wash sea defences. Once national politicians are no longer pre-occupied with Brexit, the group will meet at Westminster with the 5 MPs.
- The Wash Frontage Group believe that it should be considered that the Environment Agency focus on maintaining population centres and give the responsibility of countryside rural areas to IDBs due to the Environment Agency's current attitude that 'it is only agricultural land'.

Following the presentation, discussion took place as follows:

The Chairman felt that things are starting to turn back to prioritising water management as opposed to focusing on factors such as biodiversity because of all the attention and focus it has recently received in the public eye.

Mr S Disley agreed, adding that politicians have to react to these events. He further noted that lack of dredging and lack of practical understanding from the Environment Agency.

The Chairman added that if Black Sluice IDB had not dredged the South Forty Foot Drain (SFFD) it would have overtopped in the October / November 2019 rainfall event.

The Chief Executive stated that the IDB has approximately 8km of frontline sea defences in the catchment and are lucky that all has a secondary bank.

The Chief Executive further referred to the South Lincs Water Partnership's (SLWP) previous meeting where it was noted that there was previously a Lincolnshire County Councillor who was trying to lobby for the approval to build a power station on the sea defence. It has now been recognised that if that had been built we would have the strongest defences in the country.

Mr S Disley explained that in terms of money, the Wrangle works cost approximately £3 million, adding that he feels the whole Wash Frontage could be completed for around £200 - £250 million, which is not a huge sum of money. Mr S Disley further felt that Brexit could bring another opportunity to help build the case for the works; stating that the country would be more reliant on food production and agriculture.

Cllr P Skinner agreed with this point about food security and the importance of farming.

Mr K Casswell added that is it not just about protecting Lincolnshire, it is also about Norfolk and Cambridge.

The Chief Executive referred to some recent figures, in reference to the rain received in the last five weeks, there has been 2.5 tonnes of silt washed off the land per hectare in the catchment.

Mr R Leggott referred to two models from the Environment Agency; 'hold the line' and 'managed retreat', questioning if the hold the line model needs to be updated frequently?

Mr S Disley added that there is a meeting on the 12th December 2019; a shoreline management plan refresher.

Mr C Wray questioned whether the Environment Agency hold any liability? Mr S Disley responded that the Environment Agency have powers to do things, but are not obliged to do anything.

The Chief Executive further noted that the approach and policy taken by the Environment Agency is 'fix following failure'.

The Chairman added that it is a shame they are reactive and not proactive.

The Chairman thanked Mr S Disley for the interesting and informative presentation.

Mr S Disley left the meeting.

The Chairman suggested that a letter of thanks be sent.

1543 MINUTES OF LAST MEETING OF THE NORTHERN WORKS COMMITTEE - Agenda Item 4

The Minutes of the last Meeting of the Northern Works Committee held on 26th February 2019, copies of which had been circulated, were considered by the Northern Works Committee Members and it was AGREED the Minutes should be signed as a true record.

1544 MATTERS ARISING FROM THE NORTHERN WORKS COMMITTEE MINUTES - Agenda Item 5

(a) BOSTON BARRIER TOUR - Minute 1403(c)

The Chief Executive noted that he will try to organise another visit to the barrier at the Northern and Southern Works Committee Inspection Tours.

(b) WASTE ISSUE - ALBAN RETAIL PARK - Minute 1403(f)

Mr M Brookes questioned whether any further progress has been made? The Operations Manager responded that himself and the Planning & Byelaw Officer have held a site meeting with B&M. A fence was discussed and B&M said they would look into it. Whilst there is no fence up, there has also been no more rubbish on the banks since and so the issue has been resolved.

1545 MINUTES OF LAST MEETING OF THE SOUTHERN WORKS COMMITTEE - Agenda Item 6

The Minutes of the last Meeting of the Southern Works Committee held on 3rd April 2019, copies of which had been circulated, were considered by the Southern Works Committee Members and it was AGREED the Minutes should be signed as a true record with the following amendments:

- List of members present – Mr P Holmes is the Chairman of the *Northern* Works Committee as opposed to *Southern* Works Committee.
- Minute 1419(i) – miss-spelling of *opportunity*

1546 MATTERS ARISING FROM THE SOUTHERN WORKS COMMITTEE - Agenda Item 7

(a) TERMS OF REFERENCE - Minute 1418

The Chairman noted that both the Southern Works and Northern Works Committees still has vacancies for co-opted members if anybody has any suggestions, noting that they don't necessarily need to be a farmer. It was suggested that possibly Mr Simeon Disley could be a co-opted member? The Chairman noted that he will approach him.

(b) LAND LOSS CLAIMS DUE TO BOARD WORKS AFTER AWS BURST - Minute 1419(h)

Mr V Barker questioned whether a response has yet been received regarding this? The Operations Manager responded that there has been no response yet.

The Chairman questioned whether a meeting was being held with these utilities following the Irrigation and Abstraction meeting? The Chief Executive noted that he wants to hold a second meeting for the irrigators and abstractors, to confirm new rules that all parties are happy with. Once these have been agreed, they will be communicated to the utilities.

1547 TO RECEIVE THE ENGINEERING WORKS REPORT - Agenda Item 8

The Operations Manager presented the Report on Engineering Works, and referred the Committee to the Capital Scheme Budget mentioned within the report:

2019/20 Defra/EA Funded Grant in Aid (GiA) Schemes

(a) North Forty Foot Drain - Scheme 2113

The letter of approval has been received to claim the funding for this scheme. The figures shown within the agenda report are the full figures that can be claimed; including the contingency that is available. The contingency value is £83,000 which includes the cost of consultancy (£33,000) to get the business to approval stage. This is scheduled to be completed by March 2021.

(b) Sempringham Fen Weedscreen - Scheme 2096

The letter of approval has been received to claim the funding for this scheme. The Grant in Aid figure stated in the agenda report includes the contingency and consultancy fee. A dump area is being considered to be created on the far side of the pumping station, therefore, the Board will need to purchase a strip of land from the landowner.

The Chairman questioned the term 'refurbishment' when really it is an addition? The Operations Manager responded that the terminology has to be specific in order to receive the grant in aid contribution.

This is scheduled to be completed by September / October 2020.

2019/20 BSIDB Funded Capital Schemes

(c) Chain Bridge PS Refurbish Weedscreen Cleaner - Scheme 2207

This is inclusive of replacing all of the moving parts of the weedscreen cleaner which helps to prolong its life and prevent future failure. The order has been placed, with installation estimated in early 2020. The recent issues of failure experienced during the recent rainfall events were noted.

(d) Dyke Fen PS Replacement Control Panel - Scheme 2205

The control panel is currently being built, with completion estimated in late March 2020.

- (e) Pinchbeck Fen PS New Roof - Scheme 2197
The Pinchbeck pumping station new roof was completed in September 2019.
- (f) Dowsby Lode Improvements - Scheme 2206
The survey has been completed and can therefore now be analysed to decide upon the best way forward. All adjacent landowners will be consulted about these works.

Mr V Barker informed the Operations Manager that there are new slips in the drain at the eastern end of the proposed length of drain. The Operations Manager added that he is aware of them.
- (g) Graft Drain Improvements - Scheme 2086
There is quite a large overspend on the Graft Drain improvements.
- (h) Wyberton Towns Drain Re-alignment - Scheme 2181
The land where the drain is proposed to move over to is not yet in the name of Chestnut Homes and so there has consequently not been any further progress.
- (i) Jetting to Major Pipelines
There is an overspend in jetting works in order to complete the full run and still a considerable amount left to complete.
- (j) Sempringham Fen PS Refurbishment - Scheme 2096
The total cost to the Board this year is £17,175.
- (k) NFFD Revetment & Langrick Road Pipeline - Scheme 2113
The total cost to the Board this year is £56,889.
- (l) Swaton Bank Stability (17/18) - Scheme 2073
This is a carry-over from 2017/18. There has been no reports of problems since the work has been carried out, even with the heavy rainfall.
- (m) Scredington Beck Improvement (17/18) - Scheme 2204
This is a carry-over from 2017/18. There has been no reports of problems since the work has been carried out, even with the heavy rainfall.
- (n) Board Emergency Working
Board emergency works have been included for reference.

Proposed Works 2020/21

- (o) Defra/EA Granted Schemes
 - (i) Remote Control H&S Scheme
Improvements to the telemetry system have been considered including having remote control of the pumping stations. Currently, members of the workforce have to physically attend the pumping station to turn the pumps on / off; however, this could be completed at the touch of a computer if it could be controlled remotely. From a health and safety point of view, it would be safer not to send the workforce to the pumping stations where the water levels could be dangerously high.

The works are to start this year, with the budget of £57,000, which will allow some sites to be completed, with the remaining pumping stations to be considered in following years. In addition to this, most of the pumping station gauge boards are imperial and so there has also been consideration towards the installation of metric gauge boards. The Executive Committee have approved that the Officers complete a combination of a number of pumping stations to be made remote controlled and a number of metric gauge boards be installed within the £57,000 budget, based on their opinion of priority.

The Chief Executive added that the South Lincs Water Partnership (SLWP) has applied for funding, which has been approved at the preliminary stage. The SLWP have applied for approval of £350,000 for smart water measurement within the catchment. The data gained from this will then hopefully be used to gain a further grant to transfer water through the catchment. The smart water management will involve the installation of flow measuring equipment, water quality instrumentation, increased coverage of rainfall gauges, soil moisture evaluations, CCTV cameras for monitoring and the such likes. The Chief Executive added that this could be used for Black Sluice IDB also, i.e. the cameras could monitor the weedscreen cleaners at pumping stations, also noting that once redundant from the SLWP, the equipment may continue to be used by the Black Sluice IDB.

The Operations Manager pointed out that the funding is still trying to be achieved through Grant in Aid for this health and safety scheme.

(p) Board Funded Capital Schemes

(i) Graft Drain Improvements - Scheme 2086

It is proposed to continue with the Graft drain improvement works with the intention to remove any non-required access culverts. Within the £60,000 budget, there is also a 60 metre stretch of pipe that requires inspecting and repairing accordingly.

(ii) Jetting to major pipelines

The funding is to complete the outstanding sections in the Kirton and Donington area, followed by going back to Wyberton.

Mr M Brookes questioned if the jetting works in Kirton had any connection to the flooding event there? The Operations Manager responded that investigative work has been carried out there and the information passed on to the relevant people.

(iii) General Culvert contributions

Culvert 635, 2880 and 1795 have been identified as being in poor condition. Culvert 1795 is the only culvert that would be considered for contribution from the Board, as the other two culverts are along sections which have been proposed to give up and so they would not be required for Board access.

(q) Pumping Station Schemes

(i) Wyberton Marsh PS Replacement Weedscreen Cleaner

An estimate has been received at just below the budget. However, the preferred option is the Bosker equipment which is considered the best value for money. It is expected that the Bosker estimate will be slightly more than budget. From the point of order it will be 5 – 7 months before the equipment is received.

Drain Maintenance

(r) Annual Summer Flailmowing/Cutting

A map of the catchment was presented on screen, the blue lines showing the sections that have not yet been cut, this being approximately 150km. The summer cutting programme is currently 5-6 weeks behind schedule. This is due to the high water levels and the Workforce having to complete other more important jobs rather than be cutting i.e. monitoring the pumping stations. The wet weather has also slowed down the progress.

Mr V Barker questioned how many days have been lost due to the Twiga's breaking down and requiring repair?

The Operations Manager explained that one Twiga has been broken down for a continuous five weeks, with a hired flail being brought in after two weeks. The other two Twiga's have had incidental breakdowns but nothing significant.

Cleansing notifications have been distributed. There is c60km to complete this year, which includes the uncompleted sections of last year.

(s) Prior Notice Given for Summer Cutting

A new text message service has started this year, on a fortnightly basis, to inform landowners that BSIDB machinery will be entering their land for summer cutting purposes. This works well, however, mobile numbers are still required from many landowners. Members were encouraged to spread the word about having contact numbers.

The officers are currently investigating whether it would be achievable to purchase a second hand Drott, as when the Board required one this year to hire, there wasn't one available.

Pumping Station Maintenance

(t) There is a change in the actual expenditure which is £297,830.

Health and Safety

(u) A new five-year contract with Cope Safety Management commenced June 2019.

External Partnerships, Strategies & Agreements

(v) Boston Barrier

Photos were displayed on screen of the Boston Barrier being delivered on 3rd November 2019.

(w) Rationalising the Main River Network (RMRN) - De-maining

This is the first year of works since the Board took on the maintenance of these watercourse. There have been no significant issues encountered to date.

Mr V Barker questioned whether this extra work has put extra pressure on machines and the workforce and has contributed to being six weeks behind on the summer cutting programme?

The Operations Manager responded that he feels it is due to the weather and heavy rainfall events that the summer cutting is behind schedule.

Mr V Barker noted that, in previous years, members of the Board have been asked to supply farm workers from their farms who would then be partnered with a skilled member of the workforce – if this had happened this year, so many members of the workforce would not have needed to be taken off their machines.

The Operations Manager responded that in the last recent rainfall event, three of South Hollands workforce were used by the Board. The Chief Executive added that it will need approving by the Board if the committee want the protocol to be that farm workers are sought in emergency situations.

The Finance Manager added that there are issues with using farm labour in regards to health and safety, insurance, the correct PPE etc. He further added that the machines can't be used when the water levels are high in an emergency anyway. Other IDB members were used in this instance as they are already trained, have the correct PPE and so on.

The Chairman added that it makes sense to use staff from other IDBs. It was also noted that not many Board Members have labour on their farms.

Mr K Casswell also noted that it has been too wet for the Twiga's to get on the land.

The Chairman referred back to Mr V Barkers original question about whether this additional Environment Agency work has hindered the Board's progress, noting that these works contribute to the Board and so help to keep the rate down.

Mr M Rollinson commended all the staff of the IDB on the remarkable job they have done in these heavy rainfall events.

(x) Black Sluice Pumping Station (Boston) (BSPS) Effectiveness Initiative Project

Mr R Leggott questioned whether any consideration has been given to another gravity outfall? The Chief Executive responded that it has been introduced and is currently being looked into further.

The Chief Executive noted that the current navigation channel at the BSPS is in full floating mode; the mechanical arms have been disengaged, the navigation doors are continuously open and so the pointed doors are operating on the force of water pressure and gravitating on every tide. It will be left like this until Easter 2020 when the SFFD levels are lifted for summer navigation.

Mr M Mowbray questioned how effective the emptying of the SFFD has been over the recent rainfall events? He noted that the water levels seemed to remain high for a long period following. The Chief Executive responded that he feels because of the works completed, such as the desilting and bushing, it prevented the SFFD from overtopping.

Mr V Barker further noted another factor that slows the water down in the SFFD, he explained, he believed, that a north wind holds back the movement of water.

The Chief Executive displayed on screen the telemetry trace, explaining to members that these traces show the recovery period for the SFFD following a typical rainfall event. It has been noted that the navigation lock has dramatically reduced the recovery time in comparison to when the pumps were running.

Mr V Barker noted that the water has not been arriving at the pumps from the land to get to the SFFD.

(y) SFFD Embankment Armouring to 'Low Spots'

It was noted that there were very high water levels at a low spot on the bank at Dunsby Fen during the recent rainfall events. The SFFD / Swaton Eau armoured 'low spot' did not overtop.

(z) SFFD De-silting

Bushing works are currently being completed from the A52 for C3km. Negotiations with the Environment Agency (EA) are continuing regarding the continuation of desilting the SFFD, with the EA potentially wanting to conduct another survey of the silt levels. The aim is to desilt until the A17.

(aa) Swaton Natural Flood Management

There has been a lot of landowner interaction with favourable responses. Funding has been achieved for natural flood management and the Board has indicated they would like to be involved.

(bb) Upper Catchment Natural Flood Management & Control Analysis

There will be two people employed to walk the upper catchment and liaise with landowners, looking at potential business cases for the 25 individual valleys for funding to implement natural flood management.

Planning Matters

(cc) Planning matters, as listed below, were presented for information purposes only.

- Ashwood Homes Developments – Phases 1 – 3, London Road, Kirton
- Ashwood Homes Development – Phase 2, Town Dam Lane, Donington
- Waterloo Homes Development – A52, Swineshead Road, Wyberton

EA PSCA Works 2020

(dd) It was noted that the Board has just entered into a new five year Public Sector Cooperation Agreement with the Environment Agency.

Emergency Events

(ee) The Finance Manager noted to the committee that the October 2019 budget is overspent by an estimate of £192,000 as a result of the emergency event. This is expected to be similar in November 2019. Therefore, that is £384,000 that hadn't been planned to be spent from the reserves. It is estimated that £80,570 of the £192,000 will be electricity costs. A graph showing the cumulative pump hours for 2018 vs 2019 was displayed.

Mr C Wray questioned whether the Environment Agency contribute any money based on the Board having to pump the water twice due to it coming back over? The Finance Manager responded that the EA will be charged for the water that is taken into the Board's system on their behalf, however it is not a significant amount of money. The Finance Manager further added that if the emergency reaches a certain expenditure level then the Belwin Scheme is enacted and money can be claimed from central government for additional costs. Belwin has not been enacted in this area for any of the events in October or November 2019.

Traces of the SFFD levels during the October 2019 rainfall event were displayed on screen. It was noted that some of the pumps were failing and so it was crucial that the telemetry is constantly monitored to identify them and therefore respond quickly.

Mr M Mowbray questioned how it is decided which pumps to turn off? The capacity is initially reduced at Black Hole Drove and then downstream following that, whilst also managing catchment area levels. The remote control system of the pumps will aid with this as it will be quicker and easier to turn pumps off and on.

Videos were shown at South Kyme Pumping Station, showing how the water was running back around the pumping station. It is believed that it is coming through the retaining wall, the EA have been informed. It was noted the amount of damage this could be doing. Ewerby Pumping Station has also experienced similar problems with water running back around the pumping station.

1548 REPORT ON RAINFALL - Agenda Item 09

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

The Operations Manager made reference to the point raised at the Board meeting about the accuracy of Black Hole Drove and whether it is correct. The gauge will be tested and calibrated to ensure that it is working correctly.

1549 ANY OTHER BUSINESS - Agenda Item 10

(a) PROBLEM WITH DRAIN 22/20 - BEACH BANK TO GOSBERTON RISEGATE

Mr V Barker made reference to a drain that is causing problems, suggesting that it might be considered to take the water out at the lowest point of the drain. The Operations Manager suggested it may be worthwhile to have a look at it on the Southern Works Inspection Tour. The Operations Manager also suggested that a higher maintenance programme may help it, i.e. cut it at least twice a year in order to allow good flows.

(b) BANK SLIP AT KIRTON MEERES - FX1339

Photographs of a bank slip at Kirton Meeres were displayed on screen, it being noted that there is a property adjacent to it. The property owner was advised, in 2002, not to cut down the hedge, which he proceeded to do. He then continued to place a fence on the bank top without consent. The bank is now starting to slip in, he has tried to stop the slip himself, with little success. The property owner is aware of a similar problem that the Board contributed towards and questioned whether the Board will contribute or carry out any works on his slip? The estimated cost for piling works to reinforce the stability of the bank is £7,500. The proposal would be to consider a 50% contribution? It was noted that the property owner has actually caused this and so should the Board actually be contributing? All AGREED that it is to be included on the Northern Works Inspection Tour where it will be further discussed.

There being no other business the meeting closed at 16:38.

BLACK SLUICE INTERNAL DRAINAGE BOARD

NORTHERN WORKS COMMITTEE - 4th NOVEMBER 2020

AGENDA ITEM 05

TERMS OF REFERENCE: NORTHERN WORKS COMMITTEE

1. GENERAL

The Committee shall have THIRTEEN 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 SEVEN Boston Borough Council Board members and the ONE North Kesteven District Council Board member.

The Chairman 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 seven members.

There should be at least one inspection of each Works district each year to which all members of the Board 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: 04 November 2020

APPROVED BY THE BOARD:

BLACK SLUICE INTERNAL DRAINAGE BOARD
NORTHERN WORKS COMMITTEE - 4th NOVEMBER 2020

AGENDA ITEM 06

PERIOD 06 MANAGEMENT ACCOUNTS

Income

- 97.21% of drainage rates have been collected
 - £29,858 outstanding
 - 71 accounts
 - 6 x > £1000
 - 20 > £100 < £1000
 - 45 < £100
 - We have tried to book a date for court but have not been able to due to COVID procedures, we will continue to try and get a date in early 2021
- Recovery Income is £36k behind budget due to the late start on the EA PSCA works
- Solar Income is down across the board except Swineshead PS & Gosberton/Dowsby PS

Expenditure

- Items of note for Schemes are as previous months
 - The entire budget for Wyberton weedscreen cleaner is in Period 7 so £22k overspend is just a timing issue.
- PS Maintenance is £7,732 overspent
- Drain Maintenance is an additional £7,522 overspent
 - £11,724 Summer Cutting
 - (£4,202) Desilting
 - £104,734 overspent YTD
- Although admin salary shows £7339 overspent this is a timing issue and it is actually only £901 overspent.

	P1-P6 Actual	Budget Estimate for Year	6 Months	Difference
Mileage	£ 2,265.67	£ 5,229.00	£ 2,615	£349
Salaries	£ 140,457.60	£ 280,858	£ 140,429	(£29)
Er's NI	£ 15,149.00	£ 29,026.00	£ 14,513	(£636)
Er's Superannuation	£ 36,778.86	£ 72,392.00	£ 36,196	(£583)
Ess User	£ 6,246.00	£ 12,488.00	£ 6,244	(£2)
Telephone	£ 200.00	£ 200.00	£ 200	£0
H&S	£ 102.00	£ 102.00	£ 102	£0
	£ 201,199	£ 400,295	£ 200,299	(£901)

- Establishment costs are £8,075 overspent
 - Depot Costs £11,310 overspent
 - £5,140 for gate upgrade
 - Labour £2692 more than last year
 - Plant £1,000 more than last year
 - £4002 additional costs to support Home working & making the office COVID secure
- The first payment of the EA Precept, due end of May 2020, still has not been paid.

Balance Sheet

- Plant Account £85k up on last year
- £14.5k of adjustments to rechargeable for invoicing
- Wages Oncost account remains positive at £10,653

Overall

- The Q2 Forecast will give a better indication of where we are likely to be at yearend.

Black Sluice Internal Drainage Board

Project Summary

2020/21

Period 06 - September 2020

Description	Period Current Year			Year To Date					Last Year	
	Actual	Budget	Variance	Actual	Budget	Variance	Forecast	Variance	Actual YTD	Variance to Current Year
Rates & Levies	63,455	53,925	9,530	1,577,422	1,588,166	(10,744)	1,572,727	4,695	1,550,415	27,007
Interest & Grants	3,038	2,358	680	127,208	9,477	117,731	149,771	(22,563)	23,759	103,449
Development Fund	0	0	0	15,773	0	15,773	0	15,773	0	15,773
Other Income	4,000	950	3,050	26,411	10,466	15,945	12,340	14,071	10,402	16,009
Rechargeable Income	58,331	52,788	5,543	199,626	235,618	(35,992)	213,728	(14,102)	206,723	(7,097)
Solar Panel Income	1,637	1,876	(239)	12,600	13,508	(908)	13,697	(1,097)	13,089	(489)
Total Income	130,461	111,897	18,564	1,959,040	1,857,235	101,805	1,962,263	(3,223)	1,804,388	154,652
Schemes	572	23,000	22,428	63,021	359,000	295,979	129,418	66,397	149,590	86,569
Pumping Station Schemes	3,693	0	(3,693)	43,716	35,000	(8,716)	48,013	4,297	8,321	(35,395)
Pumping Station Maintenance	22,270	28,477	2,353	121,731	174,172	7,629	167,623	1,080	119,076	25,771
Electricity	3,854			44,812					73,238	0
Drain Maintenance	102,378	94,856	(7,522)	435,203	330,829	(104,374)	392,467	(42,736)	361,224	(73,979)
Environmental Schemes	837	353	(484)	5,452	3,637	(1,815)	6,476	1,024	3,927	(1,525)
Administration & Establishment	41,051	35,504	(5,547)	277,360	261,946	(15,414)	264,338	(13,022)	264,930	(12,430)
EA Precept	0	0	0	0	138,276	138,276	138,276	138,276	138,276	138,276
Rechargeable Expenditure	35,371	0	22,961	169,985	0	(169,985)	0	(169,985)	204,212	27,130
Solar Panel Expenses	250	0	(250)	2,327	0	(2,327)	2,073	(254)	2,538	211
Total Expenditure	210,275	182,190	30,246	1,163,609	1,302,860	139,251	1,148,684	(14,925)	1,325,332	154,627
Surplus / (Deficit)	(79,814)	(70,293)	(9,521)	795,431	554,375	241,056	813,579	(18,148)	479,056	316,376
Movement on reserves										
Plant Reserve	(45,534)	0	45,534	(211,513)	0	211,513	(211,513)	0	(128,064)	83,449
Pump Engineer Oncost	565	0	(565)	15,361	0	(15,361)	11,699	(3,662)	(2,045)	(17,406)
Wages oncost Reserve	(3,587)	0	3,587	(37,554)	0	37,554	(37,554)	0	(36,596)	959
Grants Manager	0	0	0	0	0	0	0	0	6,658	6,658
Surplus / (Deficit)	(31,258)	(70,293)	(58,078)	1,029,137	554,375	7,350	1,050,947	(14,485)	639,102	242,716

Black Sluice Internal Drainage Board Drainage Rates & Special Levies

2020/21

Period 06 - September 2020

Drainage Rates & Special Levies Due

Drainage Rates

Annual Drainage Rates - Land and/or buildings	1,073,939.99	
Land/Property - Value Decreased	(6,755.79)	
Land/Property - Value Increased	2,362.82	
New Assessment	1,299.16	
Write Offs & Irrecoverables	(21.30)	
Adjustments required for Special Levy		
Summons Collection Costs		

Balance	1,070,824.88	49.95%
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Special Levies

Boston Borough Council	813,156.42	
South Holland District Council	131,037.08	
North Kesteven District Council	69,496.10	
South Kesteven District Council	59,220.12	
	1.69	
	1,072,911.41	50.05%

Total Due	2,143,736.29	100.00%
------------------	--------------	---------

Drainage Rates & Special Levies Collected

B/F Arrears/(Allowances)	149.37	
Payments Posted	1,031,600.56	
Returned Amount		97.21%
Paid Refund	(27.50)	
Bourne North Fen Trust Contribution	9,244.68	
Special Levies Received	536,454.86	50.00%

Total Received	1,577,421.97	
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Drainage Rates & Special Levies Debtors

Special Levy Outstanding	536,454.86	50.00%
Drainage Rates Outstanding	29,857.77	2.79%
	566,312.63	

	2,143,734.60	
--	--------------	--

Black Sluice Internal Drainage Board Income & Expenditure Summary 2020/21

Period 06 - September 2020

	This Year	Last Year	Variance
Drainage Rates	1,040,967	1,030,119	10,849
Special Levies	536,455	520,296	16,159
Recoverable	199,626	206,723	(7,097)
Misc Income	169,903	35,098	134,805
Solar Panel Income	12,600	13,089	(489)
	1,959,551	1,805,325	154,226
Employment Costs	568,263	556,693	(11,570)
Property	78,046	95,425	17,379
General Expenses	103,301	95,636	(7,664)
Materials / Stock	19,589	12,828	(6,761)
Motor & Plant	113,832	120,837	7,005
Miscellaneous	47,383	284,804	237,421
Recharges	(363,347)	(321,438)	41,909
Plant	363,347	321,438	(41,909)
Total Expenditure	930,414	1,166,223	235,809
Net Surplus / (Deficit)	1,029,137	639,102	390,035

Black Sluice Internal Drainage Board
Balance Sheet at Period End
2020/21
Period 06 - September 2020

	<u>This Year</u>		<u>Last Year</u>	
	£	£	£	£
Operational Land & Buildings Cost	739,350		739,350	
Pumping Stations Cost	3,861,354		3,861,354	
Non-operational Property Cost	130,000		130,000	
Vehicles, Plant & Machinery Cost	1,011,648		994,807	
Fixed Assets		5,742,352		5,725,511
Stock	19,276		32,577	
Debtors Control	155,536		55,575	
VAT	(50,530)		14,250	
Car Loans	11,963		17,640	
Prepayments	29,829		26,279	
Drawings Bank Account	(18,837)		(19,147)	
Call Bank Account	310,000		310,321	
Petty Cash	408		298	
Highland Water	0		2,059	
Work in Progress	(436,881)		(174,833)	
Nat West Government Procurement C	(2,327)		(1,632)	
Brewin Dolphin Investment	467,538		502,975	
Natwest Reserve Account	1,802,576		1,250,563	
Total Current Assets		2,288,551		2,016,926
Trade Creditors	(1,353)		(11,200)	
PAYE & NI Control Account	(23,716)		(21,233)	
Superannuation Contrl Account	(16,856)		(14,363)	
Accruals	(34,497)		(37,439)	
Total Liabilities		(76,422)		(84,235)
Pension Liability		(2,744,000)		(3,655,000)
		5,210,481		4,003,202
Capital Reserve	5,561,654		5,454,315	
Pension Reserve	(2,744,000)		(3,655,000)	
Brewin Dolphin Revaluation	(32,462)		2,975	
Total Capital		2,785,192		1,802,290
Revenue Reserve	1,220,944		1,242,026	
Development Reserve	182,703		200,907	
Plant Reserve	19,408		148,755	
Wages Oncost Reserve	(26,902)		(29,878)	
General Resere	1,029,137		639,102	
Total Reserves		2,425,289		2,200,912
		5,210,481	0	4,003,202
<u>Cash & Bank Balances</u>				
Drawings Account		(18,837)		
Call Account		8,485	310,000	
Natwest Reserve Account @ 0.01%		1,802,576		
Petty Cash		408		
Chargecard		(2,327)		
Monmouthshire BS @ 0.40%		301,515	30 Day Notice	
		2,091,820		

Black Sluice Internal Drainage Board

Investment Summary

2020/21

Period 06 - September 2020

OWNER NAME Black Sluice Internal Drainage Board - New Account PORTFOLIO P1684056 VALUATION DATE 06 Oct 2020

27/09/2019 - 27/09/2020

Portfolio Overview

PERFORMANCE FROM 27/09/2019 - 27/09/2020
-1.96%

TOTAL VALUE
467,537.71 GBP

ESTIMATED ANNUAL INCOME
14,682.20 GBP

Performance

CHART
 Portfolio Value

PORTFOLIO VALUE

DATE: 27 Sep 2020 PORTFOLIO VALUE: 467,537.71 GBP PERIODIC PERFORMANCE: -0.41%
 CUMULATIVE PERFORMANCE: -1.96%



Portfolio Summary

BOOK COST
473,430.08 GBP

OVERALL GAIN OR LOSS
-1.24%

ESTIMATED ANNUAL INCOME
14,682.20 GBP

ESTIMATED YIELD %
3.14%

BLACK SLUICE INTERNAL DRAINAGE BOARD

NORTHERN WORKS COMMITTEE MEETING - 4th NOVEMBER 2020

AGENDA ITEM No 07

ENGINEER'S REPORT

1. CAPITAL ASSET IMPROVEMENTS

1.1 2020/21 Defra/EA Funded Grant In Aid (GiA) Schemes

GiA Scheme works commenced this financial year:

- (a) North Forty Foot cleansing/revetment & Langrick Road pipeline, lining/replacement works, total scheme value is £472,000. The approved sum is calculated as follows: -

£394,000 GiA

£70,000 Board contribution

£8,000 Development contribution

Local Levy support is no longer required for this scheme.

Works have now commenced bushing and cleansing on site.

Plans are being finalised for desilting works and should commence in January 2021, preceded by vegetation removal from the banks of the watercourse and the watercourse channel.

This scheme is now estimated to be completed by March 2021.

1.2 2020/21 Board Funded Capital Schemes

Remaining Capital Scheme works to be completed this financial year:

- (a) Wyberton Marsh P/S weedscreen cleaner replacement - £110,000 (estimate)
Works commenced on site 19th October 2020 to remove existing equipment.
At the time of writing, works expected to be complete w/e 31.10.2020.
- (b) Chain Bridge P/S refurbish weedscreen cleaner (19/20)
Completed Sept 2020 - £45,000(estimate)
- (c) Jetting to Major pipelines - £50,000(estimate)
- (d) Remote Monitoring & Control(H&S Scheme) - £57,000(estimate)

GiA	£55,000
Local levy	£55,000
Board contribution	£57,000

Original proposals were to secure additional funding with a request for Grant in Aid and also Local Levy. Following recent correspondence with the Environment Agency, all of the remaining funding is now being sought through Local Levy.

Improvements to the telemetry system have now commenced as proposed at the Joint Works Committee meeting in November 2019.

Gauge boards are all now built up and ready for install and programmed to commence at the beginning of November.

Holland Fen and Dyke Fen pumping stations now successfully running the pump control. Great Hale Fen has new operating system but setup is still required. There are five more, Mallard Hurn, Wyberton Chain Bridge, Cooks Lock, Blackhole Drove and Quadring pumping stations operating systems to install which the Pump Engineer can complete when other works, (Wyberton Chain Bridge pumping station weedscreen cleaner refurbishment and Wyberton Marsh pumping station weedscreen cleaner replacement) have been completed.

(e) General Culvert contributions - £5,000(estimate)

Culverts 635, 2880 and 1795 have been identified as being in poor condition. Culvert 1795 is the only culvert that would be considered for contribution from the Board, as the other two culverts are along sections which have been proposed to give up and so they would not be required for Board access.

1.3 Proposed Works 2021/22

Please refer to the Capital Scheme Budget on page 30.

(a) Board Funded Capital Schemes

- (i) Jetting to major pipelines - £50,000 (estimate)
- (ii) General culvert contributions - £5,000 (estimate)

(b) Pumping Station Schemes

- (i) Great Hale p/s weedscreen refurbishment - £46,000(estimate)
The weedscreen was originally installed in 1999 and this refurbishment is inclusive of replacing all of the moving parts of the weedscreen cleaner which helps to prolong its life and prevent future failure.
- (ii) Kirton Marsh Pumping station new roof - £10,000(Estimate)

2. DRAIN MAINTENANCE

(a) Annual Summer Flail-mowing/Cutting

The summer flail mowing and cutting commenced with the flail mowers on 6th July, and the cutting on 20nd July. A sixth 13-ton excavator operating one of the Boards 4m cutting baskets has been hired in for twelve weeks. Therefore, the Boards maximum production has three flails (Spearhead Twiga No 1 SPV 2 with side flail and cutting basket, Twiga No 2 SPV2 with side flail and front flail, and Twiga No 3 SPV2 with side flail and front flail) flailing in front of the six cutters (Hitachi ZX 210, JCB JS 160, JCB JS 145, 2 x JCB JS 130 and hired in JCB131) albeit the Twiga No 1 does change cutting heads and cuts some watercourses.

The 67km (Northern & Southern Works areas) of high-profile watercourse assets are constantly being monitored to determine whether a second flail and/or cut is required, these will most probably require a second cut.

The SKDC (c£22k) & Mayflower (c£12.5k) Hand Roding contract works have been completed. All the Board hand-roding watercourses have been completed. Additional hand roding works are also being completed for the Environment Agency through PSCA.

A bulldozer has been hired in to grade out the previous year's winter cleansing arisings, these works are completed within a small window of opportunity (between harvest and drilling) and will continue as budgets dictate.

EA Waste Management exemptions have been applied for over the next year for burning wood on site, dredging inland watercourses and spreading watercourse arisings over adjacent land.

(b) Prior Notice Given for Summer Cutting

Notice was issued within the 2020/21 Drainage Rates brochure, along with a provisional works programme, stating that all landowners/farmers can view weekly updated accurate summer cutting works programmes on the Boards web site.

Landowners/farmers were requested, to contact the Board with any summer cropping issues throughout the summer cutting season.

A new text messaging service informing landowners/tenants that Boards machinery is working in the area began last year. This has proved successful and all landowners/tenants are encouraged to provide mobile phone contact details to enable ongoing success.

This has been a success, and we recommend that the Board continue with this approach.

(c) Summer Crop Loss/Damage Compensation

In line with the summer cutting landowners/farmers are encouraged to agree to the Boards equipment travelling through their crops whereby the Board offer crop loss compensation, where crop damage/loss has occurred, instead of the higher costs associated with removing the machine and subsequently returning once the crop has been harvested, albeit in some cases a new crop may have already been planted.

The cutting programme in the drainage rates brochure along with the updated programme on the website will remind all landowners adjacent to all the Board maintained watercourses of the Boards intension to carry out summer vegetation flailing/cutting to the programmes identified on the Boards web site and therefore try to manage fields accordingly. At the same time the programme should be used to assist timely removal of any obstructions (electric fencing, bird scarers, irrigation pumps & pipes etc).

(d) Winter Crop and Land Loss Compensation

The Boards written intention of improvement cleansing works have been issued to landowners in October 2020 for the works to be undertaken throughout December to April 2020. The notice being given, the farmer can decide whether to plant the affected area or not, the arisings are spread and levelled by the landowner or by the Board generally the following year.

(e) Proposed Desilting, Bushing and Cleansing Works

The total length of proposed watercourse for 2020/21 is 77 km, which includes the uncompleted sections of last year

The total length of watercourses cleansed over the 2019/20 season was 24,618 metres, this will maintain a 1 in 10-year cleansing programme over the entire catchments.

Letters have been sent to landowners/occupiers adjacent to the drains above giving notice that the Board intend to bush where required and de-silt during the winter months.

Letters will also be sent to occupiers where the Board proposes to carry out other bushing works in preparation for next year's de-silting. We are currently employing Scarborough Nixon Associates as an external Environmental Consultant to carry out surveys of any relevant drains on our desilting programme.

3. PUMPING STATION MAINTENANCE

Effects of Main River high water levels 2019:

South Kyme Fen Pumping Station - excessive water flowing through/under raised riverbanks and retaining/flood wall at both sides and under Station building from the EA main river Head Dyke outfall.

Damford Pumping Station - bank seepage through raised embankment of EA main river Kyme Eau outfall.

Ewerby Fen Pumping Station - excessive water flowing through/under raised riverbanks and retaining/flood wall at both sides and under the Station building from EA main river Midfodder Dyke outfall.

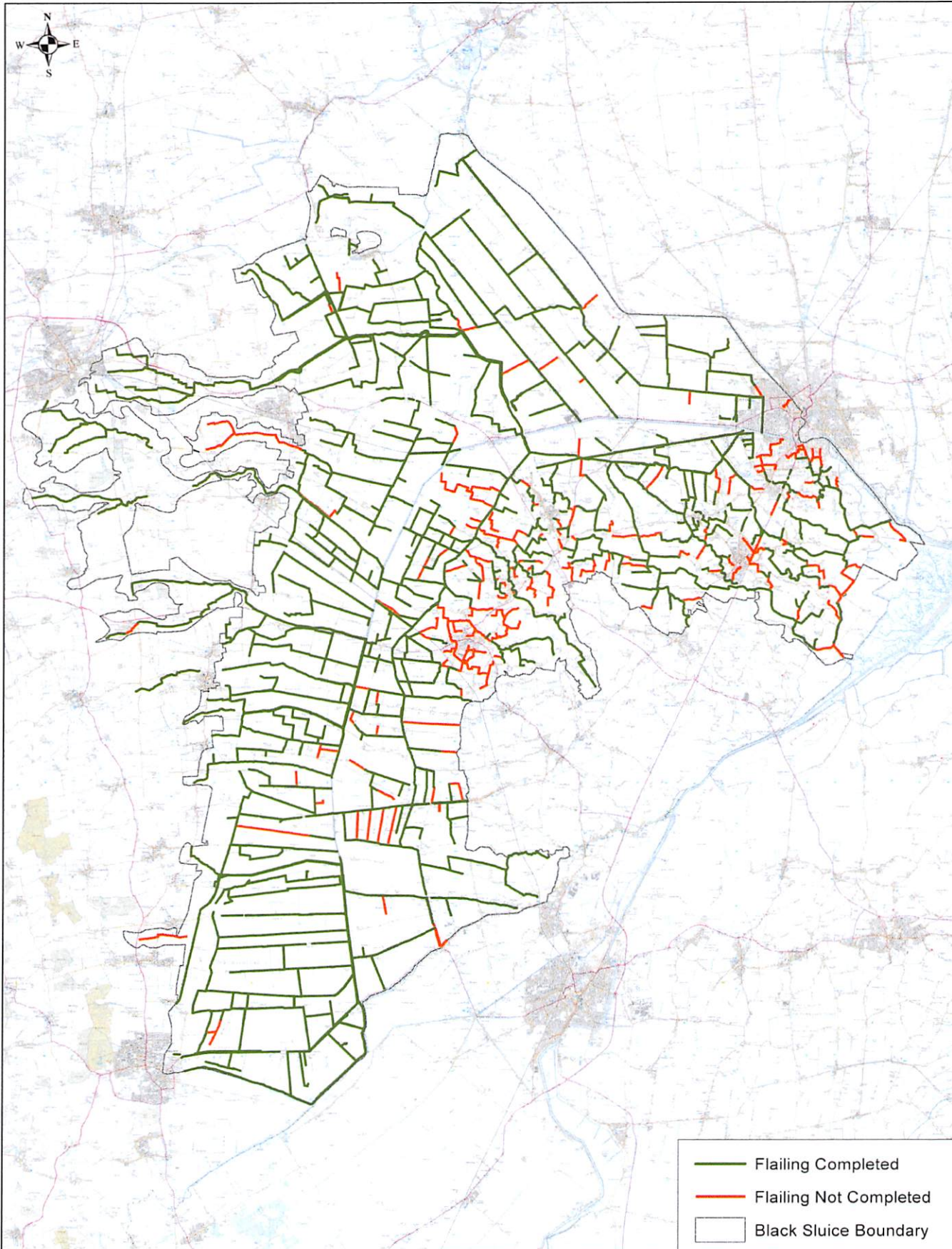
The Environment Agency were made aware of the issues at all 3 sites at the time and were to visit the sites. Nothing further from the EA has yet been realised. Black Sluice officers have since employed Stantec Engineering Consultants who have completed initial inspections of the sites £1,150.00 and have now provided quotations for further investigation works at each site £22,050. These costs exclude support works required from the Board which are estimated at £6,000




5. 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 which commenced June 2019.

All employees and contractors to the Board required to work alone, are now using the automated Peoplesafe system using mobile phone technology.

P Nicholson
Operations Manager



-  Flailing Completed
-  Flailing Not Completed
-  Black Sluice Boundary

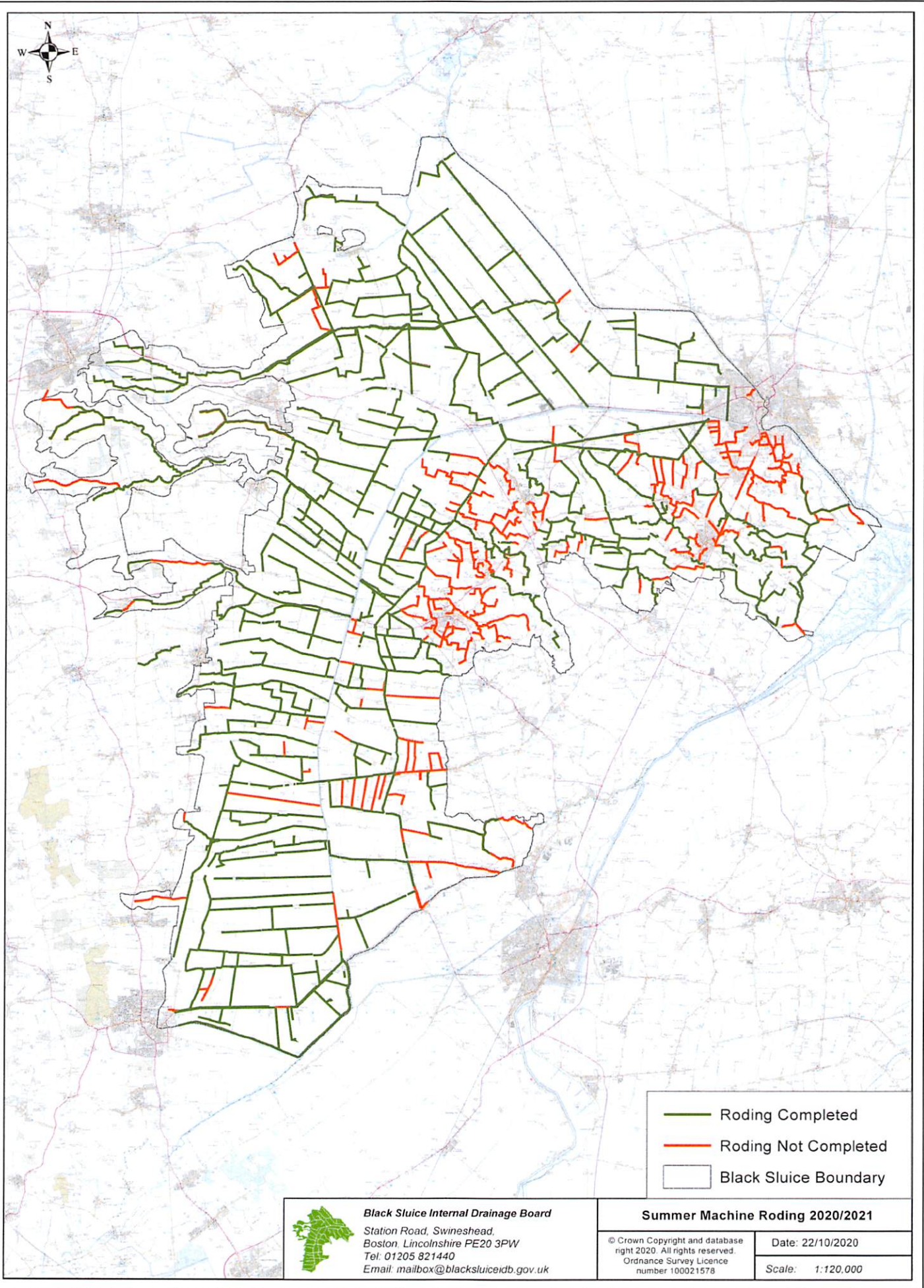


Black Sluice Internal Drainage Board
Station Road, Swineshead,
Boston, Lincolnshire PE20 3PW
Tef: 01205 821440
Email: mailbox@blacksluiceidb.gov.uk

Summer Machine Flailing 2020/2021

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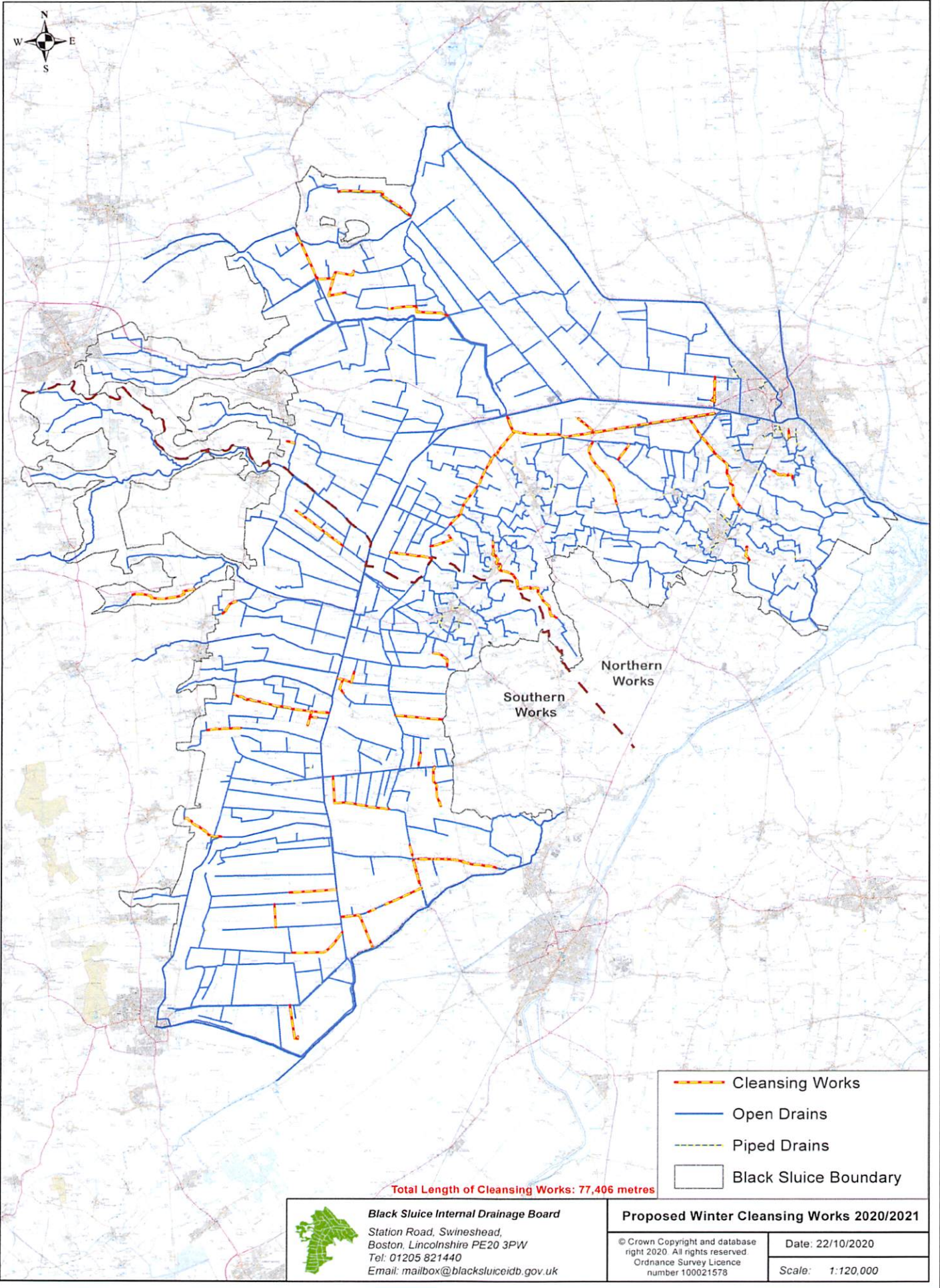
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Summer Machine Roding 2020/2021

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Total Length of Cleansing Works: 77,406 metres



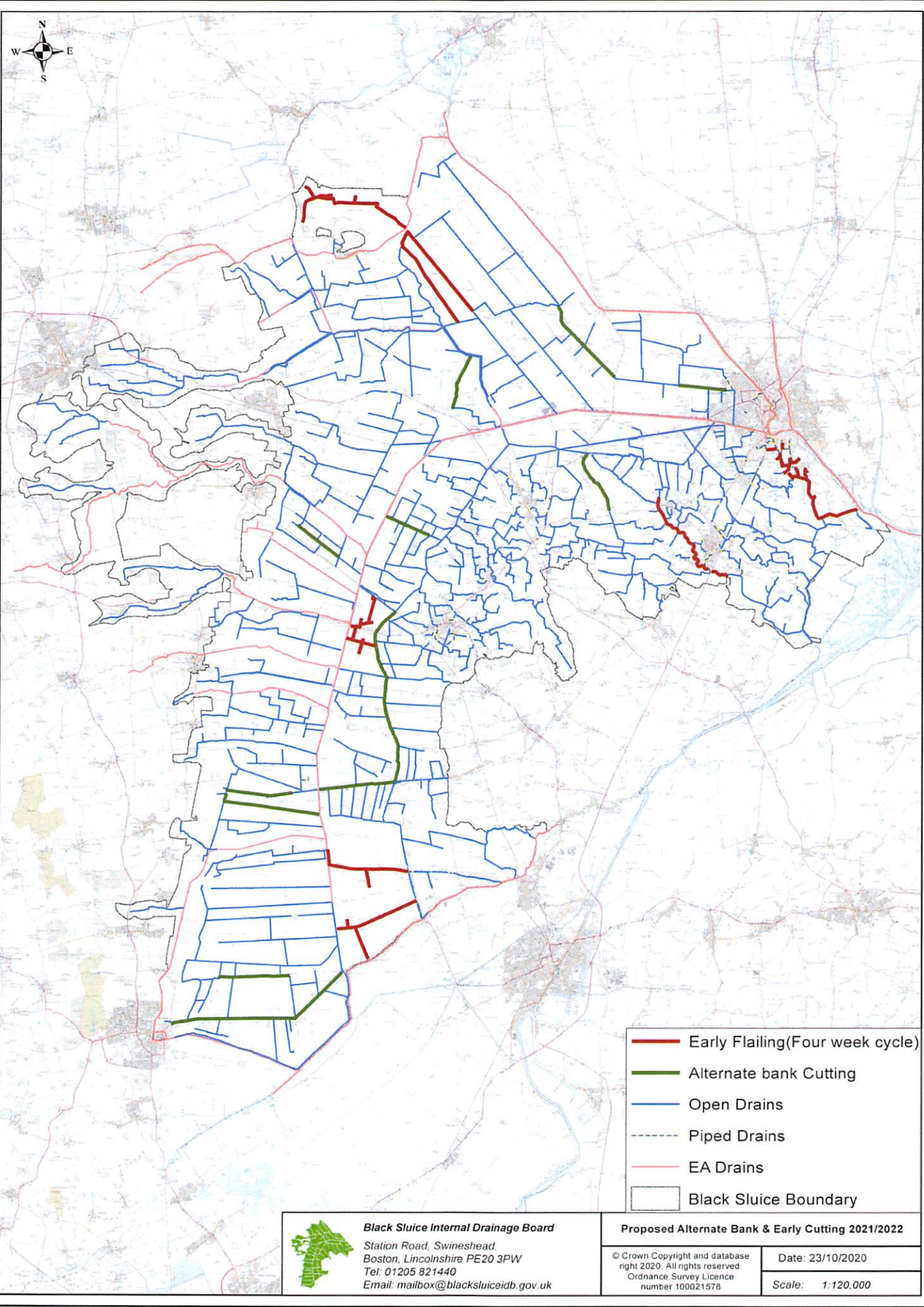
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Proposed Winter Cleansing Works 2020/2021

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-  Early Flailing(Four week cycle)
-  Alternate bank Cutting
-  Open Drains
-  Piped Drains
-  EA Drains
-  Black Sluice Boundary

**Black Sluice Internal Drainage Board**
Station Road, Swineshead
Boston, Lincolnshire PE20 3PW
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Proposed Alternate Bank & Early Cutting 2021/2022

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Black Sluice Internal Drainage Board 10 Year Capital Schemes Budget

Year	Type	Scheme	Total	Grant	Local Levy	Drain	PS	Dev Fund
2020/21	Pump	Wyberton Marsh PS, replace weedscreen cleaner	£ 110,000				£ 110,000	
	Drain	Graft Drain improvements	£ 60,000			£ 60,000		
	Drain	NFF Revetment (Grant received in 2019/20)	£ 350,000	£ 350,000				
	Drain	Jetting to major pipelines	£ 50,000			£ 50,000		
	Pump	Sempringham Fen PS refurbishment	£ 191,671	£ 153,500	£ 27,000	£ 11,171		
	Drain	Dowsby Lode Improvements	£ 24,000			£ 24,000		
	Pump	Remote monitoring and control H&S scheme	£ 145,000		£ 110,000		£ 35,000	
	Drain	General culvert replacement contributions	£ 5,000			£ 5,000		
			£ 935,671	£ 503,500	£ 137,000	£ 150,171	£ 145,000	£ -
2021/22	Pump	Great Hale PS refurbish weedscreen cleaner	£ 46,000				£ 46,000	
	Pump	Dunsby Fen PS, replace control panel	£ 30,000				£ 30,000	
	Drain	Jetting to major pipelines	£ 54,000			£ 54,000		
	Drain	Graft Drain improvements	£ 60,000			£ 60,000		
	Pump	Kirton Marsh PS new roof	£ 10,000				£ 10,000	
	Pump	Telemetry & Webwax Upgrade	£ 10,000				£ 10,000	
	Pump	Horbling ps new roof	£ 9,000				£ 9,000	
	Drain	Lane Dyke culvert replacement	£ 103,000	£ 102,000		£ 1,000		
Drain	General culvert replacement contributions	£ 5,000			£ 5,000			
			£ 327,000	£ 102,000	£ -	£ 120,000	£ 105,000	£ -
2022/23	Pump	Dunsby PS, replacement weedscreen cleaner	£ 90,000				£ 90,000	
	Pump	Helpringham Fen PS, new roof	£ 10,000				£ 10,000	
	Drain	Graft Drain improvements	£ 60,000			£ 60,000		
	Drain	SFFD Desilting Guthrum to Blackhole Drove PS	£ 65,000			£ 65,000		
	Drain	General culvert replacement contributions	£ 5,000			£ 5,000		
			£ 230,000	£ -	£ -	£ 130,000	£ 100,000	£ -
2023/24	Pump	Gosberton PS, replace control panel	£ 65,000				£ 65,000	
	Drain	Quadring North Fen roadside revetment	£ 24,000			£ 24,000		
	Pump	Dunsby Fen PS Refurbish axial flow pump	£ 13,000				£ 13,000	
	Pump	Dowsby Fen PS, refurbish axial flow pumps	£ 25,000				£ 25,000	
	Drain	SFFD Desilting Guthrum to Blackhole Drove PS	£ 65,000			£ 65,000		
	Drain	Jetting to major pipelines	£ 40,000			£ 40,000		
	Drain	General culvert replacement contributions	£ 5,000			£ 5,000		
			£ 237,000	£ -	£ -	£ 134,000	£ 103,000	£ -
2024/25	Pump	Ewerby Fen PS Replace control panel	£ 45,000				£ 45,000	
	Pump	Dyke Fen PS Refurbish 2x axial flow pumps	£ 26,000				£ 26,000	
	Pump	Dyke Fen PS new roof	£ 15,000				£ 15,000	
	Drain	Jetting to major pipelines	£ 60,000			£ 60,000		
	Drain	Dyke Fen (New Dyke) revetments	£ 25,000			£ 25,000		
	Drain	NFF Desilting	£ 65,000			£ 65,000		
	Drain	General culvert replacement contributions	£ 5,000			£ 5,000		
			£ 241,000	£ -	£ -	£ 155,000	£ 86,000	£ -
2025/26	Drain	Claydyke desilting	£ 65,000			£ 65,000		
	Drain	NFF Desilting	£ 20,000			£ 20,000		
	Drain	Jetting to major pipelines	£ 50,000			£ 50,000		
	Pump	Kirton Marsh PS refurbish axial flow pump	£ 14,000				£ 14,000	
	Pump	Donington NI Replace control panel	£ 65,000				£ 65,000	
	Drain	Dyke Fen (New Dyke) revetments	£ 35,000			£ 35,000		
	Drain	General culvert replacement contributions	£ 5,000			£ 5,000		
			£ 254,000	£ -	£ -	£ 175,000	£ 79,000	£ -
2026/27	Drain	Jetting to major pipelines	£ 50,000			£ 50,000		
	Drain	Cleansing Wyberton Marsh PS Suction Bay	£ 60,000			£ 60,000		
	Pump	Gosberton Fen PS Refurbish 3 x axial flow pumps	£ 40,000				£ 40,000	
	Pump	Haccorby Fen PS Replace control panel	£ 35,000				£ 35,000	
	Drain	Claydyke desilting	£ 65,000			£ 65,000		
	Drain	General culvert replacement contributions	£ 5,000			£ 5,000		
			£ 255,000	£ -	£ -	£ 180,000	£ 75,000	£ -
2027/28	Drain	Old Hammond Beck Desilting	£ 80,000			£ 80,000		
	Drain	New Hammond Beck Desilting	£ 40,000			£ 40,000		
	Drain	Jetting to major pipelines	£ 50,000			£ 50,000		
	Pump	Bicker Fen 1 x axial flow pump refurb	£ 15,000				£ 15,000	
	Pump	Bicker Fen replacement control panel	£ 33,000				£ 33,000	
	Pump	Cooks Lock p/s refurbish weedscreen cleaner	£ 50,000				£ 50,000	
	Drain	General culvert replacement contributions	£ 5,000			£ 5,000		
			£ 273,000	£ -	£ -	£ 175,000	£ 98,000	£ -
2028/29	Drain	Old Hammond Beck Desilting	£ 80,000			£ 80,000		
	Drain	Jetting to major pipelines	£ 60,000			£ 60,000		
	Pump	Donington NI refurbish 3 x axial flow pumps	£ 43,000				£ 43,000	
	Pump	Kirton Marsh p/s replace control panel	£ 37,000				£ 37,000	
	Pump	Helpringham p/s new roof	£ 11,000				£ 11,000	
	Drain	Bourne Fen 28/10 Revetment	£ 30,000			£ 30,000		
	Drain	To be allocated	£ 15,000			£ 15,000		
Drain	General culvert replacement contributions	£ 5,000			£ 5,000			
			£ 281,000	£ -	£ -	£ 190,000	£ 91,000	£ -
2029/30	Drain	Gosberton pump drain desilting/pump inspection	£ 40,000			£ 40,000		
	Drain	Dowsby Fen pump drain desilting/pump inspection	£ 40,000			£ 40,000		
	Drain	Chain Bridge pump drain desilting/pump inspection	£ 20,000			£ 20,000		
	Drain	Jetting to major pipelines	£ 60,000			£ 60,000		
	Pump	Chain Bridge p/s refurbish 3 x axial flow pumps	£ 45,000				£ 45,000	
	Pump	Quadring Fen p/s replace control panel	£ 40,000				£ 40,000	
	Pump	Allen House p/s replace control panel	£ 32,000				£ 32,000	
	Drain	To be allocated	£ 8,000			£ 8,000		
Drain	General culvert replacement contributions	£ 5,000			£ 5,000			
			£ 290,000			£ 173,000	£ 117,000	

BLACK SLUICE INTERNAL DRAINAGE BOARD
NORTHERN WORKS COMMITTEE - 4th NOVEMBER 2020

AGENDA ITEM 08
QUARTER 2 FORECAST

Introduction

The Board's Officers have reviewed the 2020/21 Budget compared to the actuals to the end of period 6 and forecasted what income and expenditure we think the Board will be subject to in the second half of the year.

Income

- Investment Income is expected to come in £3,795 less than budget for the year using the estimate income figures provided by Brewin Dolphin.
- Whilst we have received the contingency money for the NFF scheme and Sempringham PS over and above what we were expecting in the budget for this year we have removed the £110,000 for the PS Automation, Gauge Boards and CCTV grant as it is not now expected to be received in this financial year.

Expenditure

- Phasing on Schemes has been adjusted to match the revised Operations Programme following the delays at the beginning of the year with recovery works.
 - £146k of the Sempringham PS Scheme will not be spent until next year due to COVID related delays
 - The £110k for the PS Automation, Gauge Boards and CCTV Scheme has been delayed until funding is sought. The £57k Board contribution will be spent as previously agreed.
 - The true position for Schemes at year end is £26,795 overspent
- Drain Maintenance has been re-phased to;
 - Account for the later than expected start on the EA PSCA works
 - Being ahead of programme with Summer Cutting and expecting to be complete 1 month early (End November)
 - Changes to the Operations Programme impacting on Desilting, Bushing and Routine Maintenance Jetting (Not Schemes Jetting)
- The May Precept payment to the EA has been moved to Period 8 as a worst-case scenario that our appeal will be unsuccessful.
- All Works Committee and Board inspection costs have been removed on the assumption that they will not happen in this financial year.

Summary

With the changes highlighted above, in addition to the changes previously made in Period 1, we are expecting the overall position at yearend to show as being in the region of £276,484. With the additional Grants received, and the deferred Grant funded schemes taken into account, as detailed above the actual position on the Board's General Reserve will be an additional surplus of £20,484 compared to the original budget.

Black Sluice Internal Drainage Board

2020/21 Forecast

Quarter 1 - Period 6 - September 2020

Description	2019/20 Budget	2019/20 Forecast	Difference	Q1	Q2	Q3	Q4
				Actual	Actual	Actual	Forecast
Rates & Levies	2,146,823	2,154,480	7,657	1,393,099	184,323	575,090	1,968
Interest & Grants	128,501	132,634	4,133	146,765	(19,557)	1,612	3,814
Development Fund	5,000	5,000	0	0	0	0	5,000
Other Income	22,866	33,611	10,745	9,490	16,921	2,850	4,350
Rechargeable Income	702,101	685,986	(16,115)	56,525	143,101	101,104	385,256
Solar Income	18,384	17,476	(908)	7,697	4,903	2,002	2,874
Total Income	3,023,675	3,029,187	5,512	1,613,576	329,691	682,658	403,262
Capital Schemes	935,671	706,290	229,381	48,430	58,307	186,500	413,053
Pumping Station Maintenance	377,406	385,138	(7,732)	93,793	88,112	87,494	115,740
Drain Maintenance	843,555	820,873	22,682	99,498	335,705	248,060	137,610
Environmental Schemes	20,401	18,046	2,355	4,329	1,124	729	11,865
Administration & Establishment	532,753	534,523	(1,770)	132,363	144,997	117,080	140,083
EA Precept	276,552	276,552	0	0	0	276,552	0
Solar Expenses	2,483	2,568	(85)	2,077	250	0	241
Rechargeable Expenditure	638,274	612,130	26,144	56,525	113,459	91,913	350,233
Total Expenditure	3,627,095	3,356,122	270,972	437,015	741,955	1,008,328	1,168,825
Surplus / Deficit	(603,420)	(326,936)	276,484	1,176,561	(412,264)	(325,670)	(765,563)

**Black Sluice Internal Drainage Board
2020/21
Quarter 1 - Period 6 - September 2020**

Account	Description	2020/21 Budget	2020/21 Estimate	Variance	April Actual 01	May Actual 02	June Actual 03	July Actual 04	August Actual 05	September Actual 06	October Forecast 07	November Forecast 08	December Forecast 09	January Forecast 10	February Forecast 11	March Forecast 12
8001	Drainage Rates	1,073,913	1,073,913	0	368,495	260,091	228,058	102,325	18,542	63,455	19,496	10,139	1,343	558	785	625
8002	Special Levies	1,072,910	1,080,567	7,657								64,358	479,754			
	Rates & Levies	2,146,823	2,154,480	7,657	368,495	796,546	228,058	102,325	18,542	63,455	19,496	74,497	481,097	558	785	625
8007	Interest	1,001	1,943	942	206	237	93	133	119	672	35	50	82	59	125	133
8014	Brewin Dolphin Income	17,500	13,705	(3,795)	1,475	202	2,567	1,120	1,033	2,367	170	100	1,175	755	1,872	870
8008	Grants	110,000	116,986	6,986		58,156	83,830	(25,000)								
	Interest & Grants	128,501	132,634	4,133	1,681	58,594	86,489	(23,747)	1,152	3,038	205	150	1,257	814	1,997	1,003
8013	Use of Dev Fund	5,000	5,000													
	Development Fund	5,000	5,000													
8003	Rents	7,366	7,366	0	3,365	300	1,001	300	300	300	300	300	300	300	300	300
8004	Consents	4,000	7,600	3,600	1,700	300	1,300	250	350	2,200	250	250	250	250	250	250
8010	Highland Water	6,500	13,021	6,521					11,721							1,300
8012	Misc Inc	5,000	5,624	624		1,482	42			1,500	400	400	400	400	400	600
	Other Income	22,866	33,611	10,745	5,065	2,082	2,343	550	12,371	4,000	950	950	950	950	950	2,450
8005	Rechargeable Income	702,101	685,986	(16,115)	5,498	13,296	37,732	31,573	53,196	58,331	50,160	30,119	20,825	20,052	20,007	345,197
	Rechargeable Profit	702,101	685,986	(16,115)	5,498	13,296	37,732	31,573	53,196	58,331	50,160	30,119	20,825	20,052	20,007	345,197
8020	Solar Income - Swineshead PS	2,007	2,043	36	282	312	290	223	219	184	119	57	43	52	88	174
8021	Solar Income - Swineshead HQ	5,585	5,096	(489)	637	689	571	566	573	580	331	157	120	144	245	484
8022	Solar Income - Donington NI PS	1,323	1,258	(65)	170	193	208	102	131	105	78	37	28	34	58	115
8023	Solar Income - Chainbridge PS	1,295	1,235	(60)	163	189	207	102	127	104	77	37	28	33	57	112
8024	Solar Income - Wyberton PS	1,301	1,240	(61)	165	188	207	102	129	104	77	37	28	33	57	113
8025	Solar Income - Great Hale PS	961	603	(358)	64	74	181	(60)	50	40	57	27	21	25	42	83
8026	Solar Income Holland Fen PS	1,190	1,163	(27)	160	177	196	93	121	100	70	34	26	31	52	103
8027	Solar Income - Cocks Lock PS	1,017	1,004	(13)	135	153	170	79	106	91	60	29	22	26	45	88
8028	Solar Income - Gosberton PS	867	721	(146)	91	104	553	(384)	72	57	51	24	19	22	38	75
8029	Solar Income - Black Hole Drove PS	971	942	(29)	130	143	155	73	100	84	57	27	21	25	43	84
8030	Solar Income - Heckington PS	687	637	(50)	81	97	101	59	68	48	41	19	15	18	30	60
8031	Solar Income - Damford PS	562	478	(84)	59	69	93	24	48	36	33	16	12	14	25	49
8032	Solar Income - Dowsby Fen PS		501	501	93	106	(200)	370	73	58						
8033	Solar Income - Dyke Fen PS	618	554	(64)	73	81	88	48	52	47	37	17	13	16	27	54
	Solar Panel Income	18,384	17,476	(908)	2,301	2,574	2,822	1,397	1,869	1,637	1,088	518	396	473	807	1,594
Total Income		3,023,675	3,029,187	5,512	383,041	873,091	357,444	112,099	87,131	130,461	71,899	106,234	504,525	22,847	24,546	355,869

1001	Emergency Large Slip Repairs		22,961	(22,961)	673		10,610	11,314		10	354					
1037	Graft Drain Improvements	60,000	60,000											30,000	30,000	
1096	Pinchbeck PS		501	(501)					501							
1228	Jetting Major Pipelines 18/19	50,000	48,450	1,550			450					12,000	12,000	12,000	12,000	
1229	NFF Revetments/Pipeline 18/19	350,000	350,000	(0)	5,285	268	83			10		30,000	37,000	16,000	16,000	245,354
1230	Dowsby Lode Improvements	24,000	24,069	(69)	7,457	7,077	7,069	2,258		208						
1300	General Culvert Replacement	5,000	9,395	(4,395)		5,926	3,470									
1138	Sempringham PS Refurbishment	191,671	45,495	146,176				495						25,000		20,000
1162	Chain Bridge PS - Refurb Weeds		289	(289)						289						
1163	Dyke Fen PS - Control Panel		131	(131)				131								
1165	PS Automation & Gauge Boards	145,000	35,000	110,000			513	18	16,866	3,404	7,500					6,699
1166	Wyberton Marsh PS Weedscreen c	110,000	110,000						22,000			88,000				
	Schemes	935,671	706,290	229,381	13,416	13,270	21,744	14,666	39,376	4,265	7,500	130,000	49,000	83,000	58,000	272,053
2001	Allen House	1,061	773	288	(35)			207			82	99	103	100	107	110
2002	Bicker Eau	2,508	2,504	4	40	161	142	417	151	180	151	203	223	264	273	289
2003	Bicker Fen	6,786	5,094	1,692	(189)	476	446	226	388	167	538	516	571	542	603	730
2004	Swineshead	9,484	7,307	2,177	(2,102)	825	636	183	914	1,655	763	710	730	860	1,008	1,125
2005	Chain Bridge	11,274	10,941	333	(906)	1,218	446	143	1,776	2,234	832	820	838	1,034	1,213	1,293
2006	Wyberton Marsh	13,314	10,265	3,049	(368)	925	587	291	1,624	134	1,007	925	1,000	1,114	1,332	1,693
2007	Kirton Marsh	12,777	9,949	2,828	(125)	813	569	473	1,043	227	940	924	1,043	1,238	1,373	1,431
2008	Ewerby	6,506	5,653	853	(88)	279	298	895	363	482	488	515	521	547	594	758
2009	Heckington	7,531	5,539	1,992	(660)	592	421	248	508	210	579	536	527	584	939	1,055
2010	Great / Little Hale	6,722	5,411	1,311	(294)	837	413	102	552	102	472	470	496	521	755	985
2011	Holland Fen	11,191	9,279	1,912	(1,225)	1,508	858	611	1,356	229	883	924	928	959	997	1,251
2012	Cocks Lock	11,119	8,449	2,670	218	495	425	349	602	445	848	843	825	958	1,057	1,383
2013	Damford	6,325	7,025	(700)	1,599	604	381	198	429	149	452	479	483	565	718	967
2014	South Kyme	3,477	4,299	(822)	95	126	110	626	338	954	269	278	273	262	343	625
2015	Amber Hill / Trinity College	5,121	4,460	661	(379)	162	154	1,328	246	164	361	376	400	425	498	724
2016	Helpingham	5,799	6,560	(761)	58	415	480	1,856	482	208	483	483	454	490	540	611
2017	Swaton	5,534	4,776	758	32	769	212	281	313	147	387	399	404	521	603	708
2018	Horbling	8,275	6,092	2,183	(518)	912	433	318	378	167	677	649	656	651	728	1,041
2019	Billingborough	3,710	4,042	(332)	387	198	110	777	106	283	285	267	304	331	355	639
2020	Sempringham	6,675	5,600	1,075	(33)	514	439	491	407	262	471	465	486	518	624	956
2021	Dowsby Fen	5,058	10,155	(5,097)	4,443	640	393	249	528	750	293	342	348	500	644	1,026
2022	Gosberton	7,836	3,259	4,577	(4,232)	748	483	369	515	780	649	592	539	568	800	1,447
2023	Dowsby Lode	2,084	6,862	(4,778)	2,431	124	113	2,534	267	123	138	185	141	190	250	367
2024	Rippingdale	3,324	3,447	(123)	(24)	189	214	792	102	200	232	231	250	347	428	486
2025	Dunsby	3,994	3,769	225	(334)	151	158	1,107	165	126	305	327	298	356	450	560
2026	Pinchbeck	5,280	9,068	(3,788)	3,868	1,120	205	585	194	195	374	401	437	429	543	718
2027	Hacomby	5,033	4,362	671	(168)	253	247	917	264	264	380	405	391	414	443	553
2028	Black Hole	13,422	11,464	1,958	(1,510)	2,073	1,119	401	1,386	559	992	1,008	994	1,027	1,198	1,248
2029	Twenty	2,466	2,098	368	(116)	87	144	337	191	157	150					

Pumping Stations	377,406	385,138	(7,732)	36,554	26,933	30,306	31,461	29,963	26,688	28,989	29,040	29,465	31,006	37,897	46,837
3002 Summer Cutting	503,928	510,019	(6,091)	4,667	5,603	7,979	120,516	98,413	101,380	107,316	64,144				
3006 Drain Maintenance	244,904	216,730	28,174	42,261	25,197	13,699	7,520	1,456	998	5,600		26,000	26,000	26,000	42,000
3008 Bushing	74,724	74,724	(0)		92		22				24,000	18,000	18,000		14,610
3010 Jetting	19,999	19,400	599					5,400				3,000	3,000	3,000	5,000
Drain Maintenance	843,555	820,873	22,682	46,928	30,892	21,678	128,059	105,269	102,378	112,916	88,144	47,000	47,000	29,000	61,610
3011 Environmental	10,401	8,046	2,355	161	32	847	81	81	81	114	75	331	393	2,319	3,532
3012 Rubbish Collection	5,000	5,000	(0)			3,288		126			209				1,377
3013 Environmental Surveying	5,000	5,000	(0)						756						4,244
Environmental Schemes	20,401	18,046	2,355	161	32	4,136	81	206	837	114	284	331	393	2,319	9,153
4001 Admin Salary	400,999	401,838	(839)	32,365	33,810	34,384	33,598	33,551	33,491	33,679	33,304	33,163	33,340	33,730	33,422
Administration Staff Costs	400,999	401,838	(839)	32,365	33,810	34,384	33,598	33,551	33,491	33,679	33,304	33,163	33,340	33,730	33,422
4002 New Office	11,484	10,086	1,398	2,707		636	523	1,023	40	669	767	798	823	1,905	195
4003 Administration	51,300	50,918	382	4,009	8,364	3,693	3,095	9,011	(5,024)	6,018	2,343	5,717	4,822	2,248	6,622
Establishment Costs	62,784	61,004	1,780	6,716	8,364	4,329	3,618	10,035	(4,984)	6,687	3,110	6,515	5,645	4,153	6,817
4005 Environment Agency Precept	276,552	276,552									138,276	138,276			
EA Precept	276,552	276,552									138,276	138,276			
4004 Miscellaneous	6,719	1,103	5,616	495			7			(10,611)	2,602	2,085	1,088	190	5,247
4006 Inspection	3,000		3,000												
4010 Equipment / Building Maint	15,000	14,978	22				118	8,039	8,661	(2,709)					869
Miscellaneous Charges	24,719	16,081	8,638	495			125	8,039	8,661	(13,320)	2,602	2,085	1,088	190	6,116
5001 Depot	44,051	55,361	(11,310)	2,236	4,503	5,160	6,829	8,112	3,884	4,737	1,222	3,293	4,816	2,809	7,760
5002 Dump Area (Charge to 2050)		39	(39)					39							
5003 Hesse Drive	200	200										3		197	
Depot Costs	44,251	55,600	(11,349)	2,236	4,503	5,160	6,829	8,151	3,884	4,737	1,222	3,296	4,816	3,006	7,760
5020 Solar Expenses - Swineshead PS	241	241													241
5021 Solar Expenses - Swineshead HQ	261	355	(94)	105					250						
5022 Solar Expenses - Donington NI	165	164	1	164											
5023 Solar Expenses - Chainbridge	165	164	1	164											
5024 Solar Expenses - Wyberton	165	164	1	164											
5025 Solar Expenses - Great Hale	165	164	1	164											
5026 Solar Expenses - Holland Fen	165	164	1	164											
5027 Solar Expenses - Cooks Lock PS	165	164	1	164											
5028 Solar Expenses - Gosberton PS	331	164	167	164											
5029 Solar Expenses - Black Hole PS	165	164	1	164											
5030 Solar Expenses - Heckington PS	165	164	1	164											
5031 Solar Expenses - Damford PS	165	164	1	164											
5032 Solar Expenses - Dowsby Fen PS	165	164	(164)	164											
5033 Solar Expenses - Dyke Fen PS	165	164	1	164											
Solar Expenses	2,483	2,568	(85)	2,077					250						241
<<7001..7999 Rechargeable Expenditure	638,274	612,130	26,144	5,498	13,296	37,732	26,956	51,132	35,371	45,600	27,381	18,932	18,229	18,188	313,815
	638,274	612,130	26,144	5,498	13,296	37,732	26,956	51,132	35,371	45,600	27,381	18,932	18,229	18,188	313,815
Total Expenditure	3,627,095	3,356,122	244,829	146,446	131,099	159,469	245,392	285,722	210,840	226,902	453,363	328,063	224,758	186,483	757,583
Surplus / Deficit	(603,420)	(326,936)	276,484	236,595	741,992	197,974	(133,294)	(198,592)	(80,379)	(155,003)	(347,129)	176,462	(201,911)	(161,937)	(401,714)

Black Sluice Internal Drainage Board

Policy No: 46

Crop Loss Compensation

Review	Audit & Risk Committee 14 October 2020
Board Approved	

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 cutoff 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 cutoff date for claiming compensation following any such land loss.

Land Loss Calculator			
Multiplier	Annual rentable value £/acre	Comp £/acre	Comp £/ha
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

BLACK SLUICE INTERNAL DRAINAGE BOARD

NORTHERN WORKS COMMITTEE - 4th NOVEMBER 2020

AGENDA ITEM 09

POLICY No. 46: CROP LOSS COMPENSATION

The new policy was presented to the Audit & Risk Committee on 14th October 2020, the policy and figures within it outlines what is already implemented and in place, it has just been formalised into policy format.

At the meeting of the Audit & Risk, it was suggested by a committee member to include a section explaining how the farmer should go about claiming their compensation.

The Boards Officers have discussed the process of claiming compensation, with the following points for review and discussion:

1. The current procedure involves the Works Supervisor identifying if there is a crop on the land. If there is a crop, then the Works Supervisor will endeavour to contact the farmer via phone, providing he has contact details. Discussion takes place to notify of intent to travel through a crop. If the crop is due to be harvested imminently, then, if possible, the programme will be adjusted so that the Board's machinery waits and travels through the bare land once harvested. If it is not due to be harvested in the near future, or if the programme is unable to be changed, then the Works Supervisor notifies the farmer that the Board offer to pay compensation for the injury (loss). If the farmer does not then follow this up and contact the Board to claim this compensation, it is not paid. The crop loss compensation is paid to the occupier (whoever paid the drainage rates for that year), unless otherwise stated, land loss compensation is paid to the landowner.
2. Difficulty can arise if a landowner is letting their land to a farmer, but they are still paying the drainage rates. The compensation needs to be paid to whoever has sustained the injury.
3. The Summer Cutting programme is planned to try to avoid travelling through high value crops such as potatoes and sugar beet. If it is possible to work around them.
4. If crop loss is required for an 'out of the ordinary' crop, or a crop that is not specified in the policy, then the John Nix rates are referenced and negotiated. It may be worth considering a formula to standardise crop loss for all crops e.g. 1.2 x John Nix rate for that crop.
5. Adjacent IDB's do not pay any compensation for Summer Cutting injury, however, it states within the Land Drainage Act that IDBs are liable to pay for any injury sustained.
6. The cost of the Work Supervisor's and Works Manager's time in relation to this process needs considering.
7. There needs to be a clear understanding that the onus is on the occupier to contact the Board to claim their compensation. It may be that a letter or notification within the Drainage Rate Brochure is circulated with the new policy to inform landowners that the responsibility relies with them. It may also be an option to consider a standard letter / email / text is sent to any occupier that the Works Supervisor has spoken to regarding travelling through their crop and claiming compensation.

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
Drain 22 / 28 Gosberton						
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

CLAIM FORM FOR LAND LOSS (OWNERS)

LAND LOSS

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

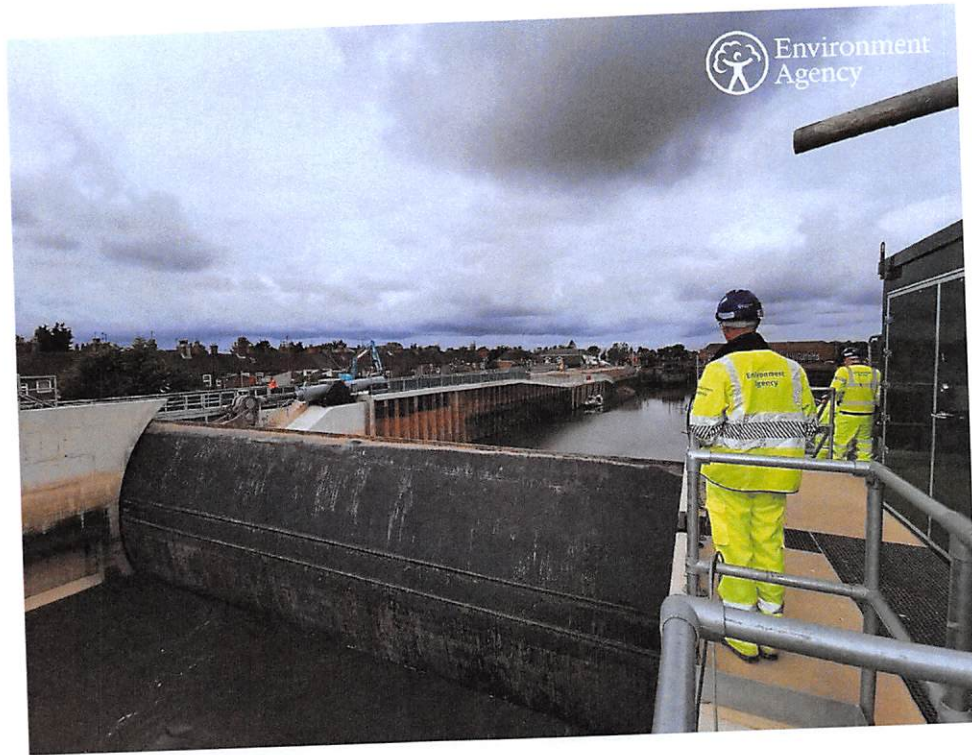
BLACK SLUICE INTERNAL DRAINAGE BOARD
NORTHERN WORKS COMMITTEE - 4th NOVEMBER 2020
AGENDA ITEM 10
SOUTH FORTY FOOT CATCHMENT UPDATES

(a) **Boston Tidal Surge Barrier**

The Barrier is now in position and operational with the channel being used by shipping, auxiliary works are now well under way with a view to final completion.

Photographs show shipping passing over the Barrier, one of the Barrier's hydraulic rams, and over the page the Barrier in the raised position.





(b) **Boston Haven Bank Improvements**

The Haven Bank Scheme includes both banks, extending from the port of Boston, continuing downstream to the Wash. The southern bank (BSIDB side) covers 6.2km of embankment, the overall intent is to increase the height of the embankment to a minimum height of +6.50 meters AOD (Above Ordnance Datum).

Photographs showing bank security works alongside of Wyberton Marsh Pumping Station and new bank construction to the east (October 2020).





(c) **EA/BSIDB Public Sector Cooperation Agreement (PSCA)**

We have, as in other years, continued to flail and cut the highland carrier Main Rivers along with the health and safety bank top cut. We have also been approached to provide estimates for additional works (bank slips, bushing, revetment works etc.) on some of the EA main river systems. All works completed with our own machinery and recharged back to the EA (year to date works completed c£175k). We have recently signed a new PSCA that expires in 2024.

(d) **South Lincolnshire Water Partnership (SLWP)**

The Chairman and Chief Executive are members of the Technical Steering Group (TSG) working towards developing an Integrated Water Resource Management Plan (IWRM) for the Black Sluice Catchment, the Chief Executive is the Chair of the SLWP.

The SLWP consists of several key organisations such as the Environment Agency, Anglian Water Services, Affinity Water, Water Resources East, Natural England, Lincolnshire Wildlife Trust, Lincolnshire County Council, Greater Lincolnshire LEP, Fens Agricultural Water Group, Inland Waterways Association, NFU, Mott MacDonald, WDIDB and BSIDB.

The TSG's next steps are to produce a business plan with more focus towards water resources with good governance within a strong business case.

This will include: -

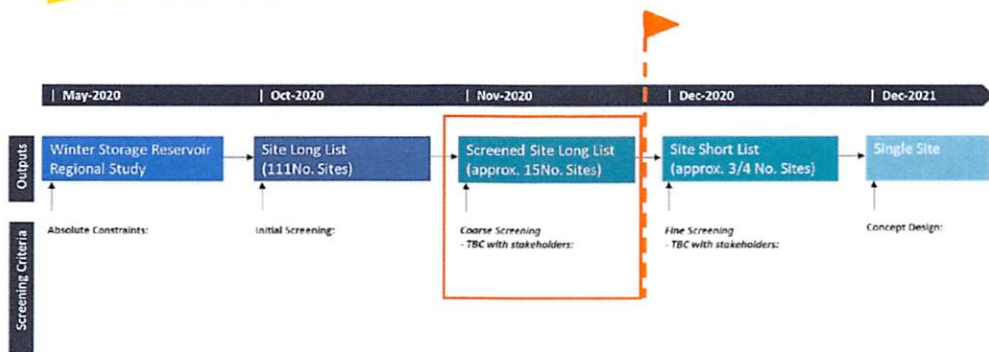
- high volume open water transfer through our catchment from the North
- increased capacity flows and flood resilience works to the SFFD
- increased agricultural access to water (possibly by means of agricultural irrigation reservoirs)
- increased fen land/wet land availability which will also store and 'polish' raw water
- a c600+ hectare (1,500 acre) reservoir capable of holding c50-80 million cubic metres of water, that equates to a similar size to Grafham Water Reservoir, identified as the SLR (South Lincs Reservoir)

- the availability of navigation through our catchment (Boston to Peterborough Wetland Corridor (B2PWC)), which in turn will require further locks along the system
- increased benefits to tourism and leisure

This project is linked to the Priority Catchment Abstraction Reform project that we are currently working with.

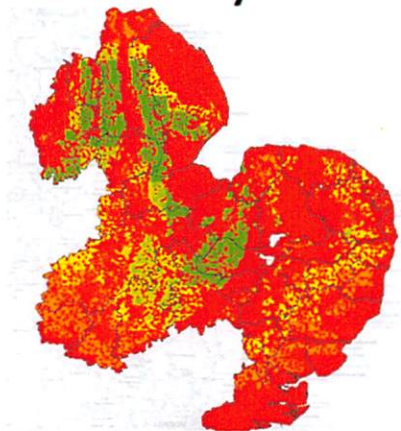
The diagrams indicate the current Screening Process programme deadlines, the Winter Storage Reservoir Study and the current Long List of Suitable Sites.

Screening Process



Re-Cap of Winter Storage Reservoir Study

- Absolute/ Technical constraints assessed to date:
 - ✓ Bedrock Geology type
 - ✓ Superficial Geology type
 - ✓ Superficial thickness
 - ✓ Water availability in surface water
 - ✓ Existing development areas
 - ✓ Existing major infrastructure
 - ✓ Environmentally designated sites
 - ✓ Heritage sites
 - ✓ Low lying areas (<1.2mASL)
 - ✓ Carbon



Longlist of Sites

Further technical criteria applied to study area to identify site areas:

- Minimum reservoir footprint areas
 - for 50Mm³ & 80Mm³ capacities
- Optimum aspect ratio - 1:1.5
- Excluded main rivers



The next steps are to undertake a Systematic Conservation Plan (SCP), the main aim of the plan is to develop a shared vision for the restoration of nature across the WRE region. This plan will identify priority areas for different types of natural capital actions across the region. These are not intended to dictate anything or force anyone to do anything they do not want to, instead they just indicate where actions should take place in order to deliver natural capital outcomes as effectively as possible. This is partially about being as effective as possible but also about coordinating action across the area so that everyone is pushing in the same direction.

We want this plan to be owned by the stakeholders of Eastern England. A plan like this will only be valuable if the people and organisations who live and work across this landscape feel that this reflects their wishes. We believe that the only way to achieve this is for stakeholders to play a leading role in the development and creation of the plan. To achieve this we will be facilitating a transparent process designed to put stakeholders in the driving seat and give them the power to collectively develop a shared vision for Eastern England.

For more information on how to become involved with the SCP please visit the WRE website on www.wre.org.uk

Current successes the SLWP have already attained are: -

- A successful European Structural and Investment Fund (ESIF) bid (led by LCC) for c£800k to implement a three year data collecting process on rainfall, soil moisture, gravity flows and environmental surveys throughout the catchment.
- Through to the final allocation round of the Green Recovery Challenge Fund bid (led by Lincolnshire Wildlife Trust) to purchase an area of land (c50 hectares) in Bourne North Fen to develop a new wetland area as a nature reserve with the benefit of cleaning (polishing) large volumes of water taken from the Bourne Eau and reintroduced into the River Glen and/or South Forty Foot Drain, c£1m+.

The Bourne North Fen project offers a unique opportunity to test the concept of habitat creation alongside water quality improvements and carbon sequestration. As well as delivering direct and immediate benefits to biodiversity, the project will inform the way in which we can potentially scale up to deliver substantial benefits as part of the South Lincolnshire Reservoir.

(e) **The Black Sluice Pumping Station (Boston) (BSPS) Effectiveness Initiative Project**

The Black Sluice Pumping Station has now been decommissioned with a working group set up to investigate future uses for this important part of local history with partners working to understand options for the future use of the building as a local amenity.

Due to early COVID-19 navigation travelling restrictions along with works on the navigation lock we have negotiated lower than normal water levels in the SFFD throughout the summer months, this in turn has offered us the opportunity to gravitate at our pumping station for longer periods than normal.

(f) **The Black Sluice Gravity Sluice and Navigation Lock**

These are both identified as critical assets to manage water in the South Forty Foot Catchment, allowing the EA to regulate water levels for a variety of reasons including flood risk management, navigation and water abstraction.

The new way of fully implementing the operation of the navigation lock alongside of the gravity sluice was tried and tested between September 2019 to February 2020 during the prolonged and heavy rainfall events. We saw some of the highest water levels recorded in the area, but over-topping of the embankments was minimal and only in the upper part of the catchments with no homes flooded. This underlines not only the successful management of water levels using gravity alone, but also the importance of these two structures as critical assets.

Following the winter flooding the EA have implemented a two-part recovery programme to mitigate the expected wear and tear and in addition the navigation lock is due its ten-year detailed inspection service.

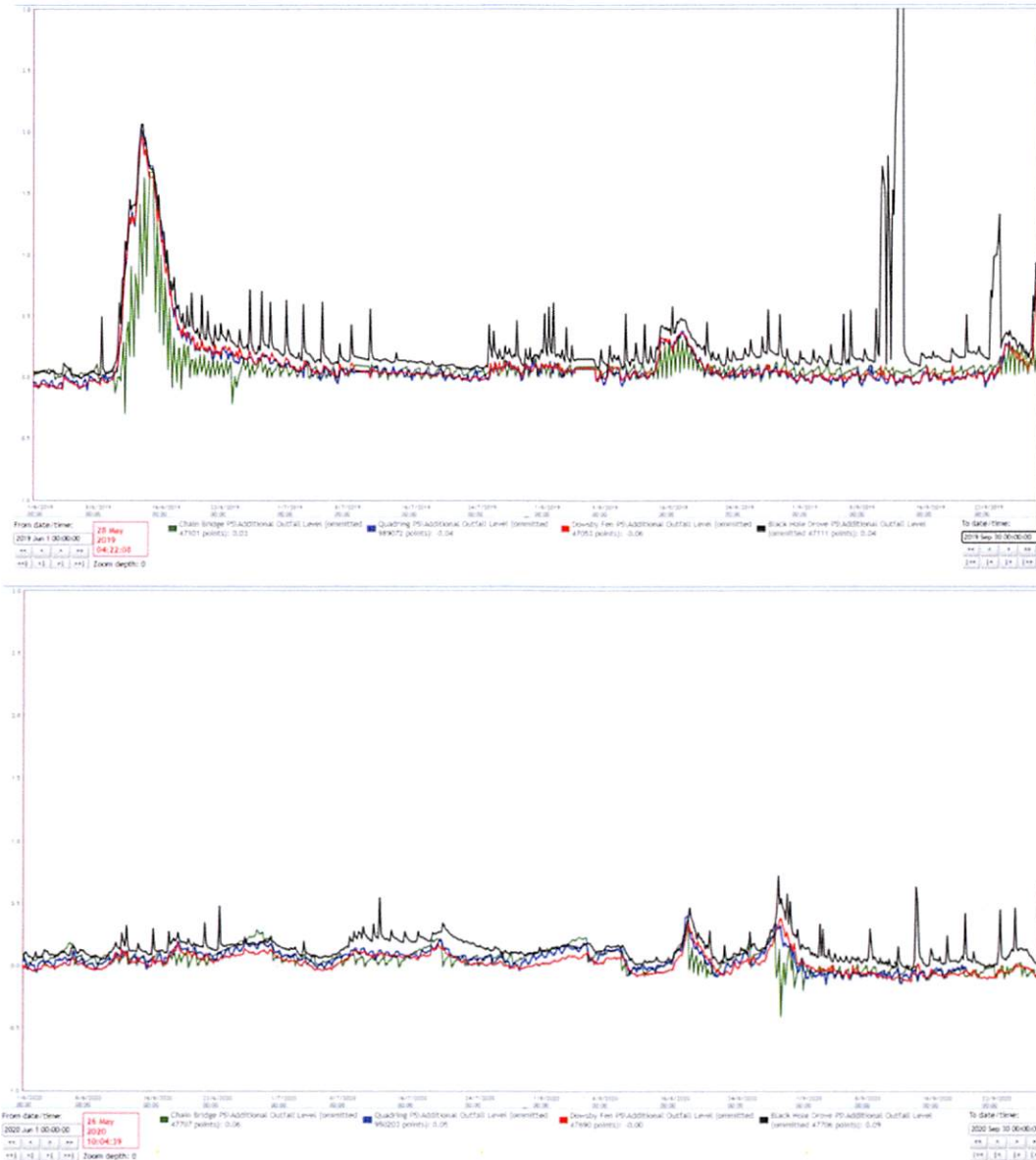
The first phase is complete, which included replacing the hinges to the guillotine gate and fitting new straps to the tidal pointing doors on the gravity sluice.

The second phase is a larger piece of work focusing on the navigation lock which involves a full drain down of the structure for detailed inspection purposes and 3D surveys for further detailed modelling. A crane has remained on site in case the stop logs have to be removed quickly for an emergency fluvial event.

Photographs looking through the drained down Black Sluice Navigation Lock (Boston) and works on the navigation sea doors (October 2020).



The two telemetry traces show a four-month period (June – September) for both 2019 & 2020. Clearly indicating the differences in SFFD flows which in turn indicate the difference in the amount of rainfall the catchment received.



(g) **SFFD De-Silting Works**

All three (Sempringham, Rippingale and Billingborough) silt lagoons have now been pushed out and the land has/is going back into more favourable arable land.

Due to the current de-silting works on the River Steeping (Wainfleet) it is uncertain whether there will be any funds available to complete any further bushing or de-silting this financial year, in which case the intention is to continue with the works in 2021/22.

(h) **Upper Catchment Natural Flood Management (NFM) and Control Analysis**

We have subdivided our c 20,000 hectare Upper Catchment into seven sub-catchments, the current status is as follows: -

Aslackby (Sub-Catchment No.1)

The walkovers are complete, good landownership knowledge and positive engagement. There are some good NFM opportunities particularly involving the southern flows. Business plans for future grant funding are being prepared.

Morton (Sub-Catchment No.2)

Two small areas outstanding to complete on the walkovers, no real landowner engagement to date. There are some good NFM opportunities west of the A15 but we need more landowner input to gauge any likely uptake.

Rippingale (Sub-Catchment No.3)

Four areas outstanding to complete on the walkovers, no real landowner engagement to date. There are some good NFM opportunities west of the A15 but we need more landowner input to gauge any likely uptake.

Billingborough (Sub-Catchment No. 4)

The walkovers are complete, some very good landownership knowledge and positive engagement. There are some very good NFM opportunities, business plans for future grant funding are being prepared.

Helpringham (Sub-Catchment No.5)

The walkovers are complete, relatively good landownership knowledge given the size of this sub-catchment and positive engagement when arranging the walkovers. There are some good NFM opportunities in the north-west area north of the A52 and west of the A15, further landowner contact and reviews required.

Heckington (Sub-Catchment No.6)

The walkovers are complete, good but limited landownership knowledge, restricted NFM opportunities around the Heckington Eau (Sleaford to Wash Bridge either side of the A15), further landowner visits required.

Swaton (Sub-Catchment No.7)

NFM opportunities have been identified and grants obtained within this catchment with landowners and BSIDB working on three sites developing swales and attenuation ponds.

A PhD will be employed by the EA over the next four years to assess the impacts of the NFM works within the Swaton catchment to be able to transfer similar works to other catchments around the Country.

The photograph shows the impenetrable deep clay layer at a test trench in Threekingham (September 2020).



We are applying for funds to complete the identified works within the Business Plan submissions over future years at the same time The Lincolnshire Rivers Trust have indicated an interest in becoming involved with these schemes.

(i) **The Lower Witham Flood Resilience Project 2020**

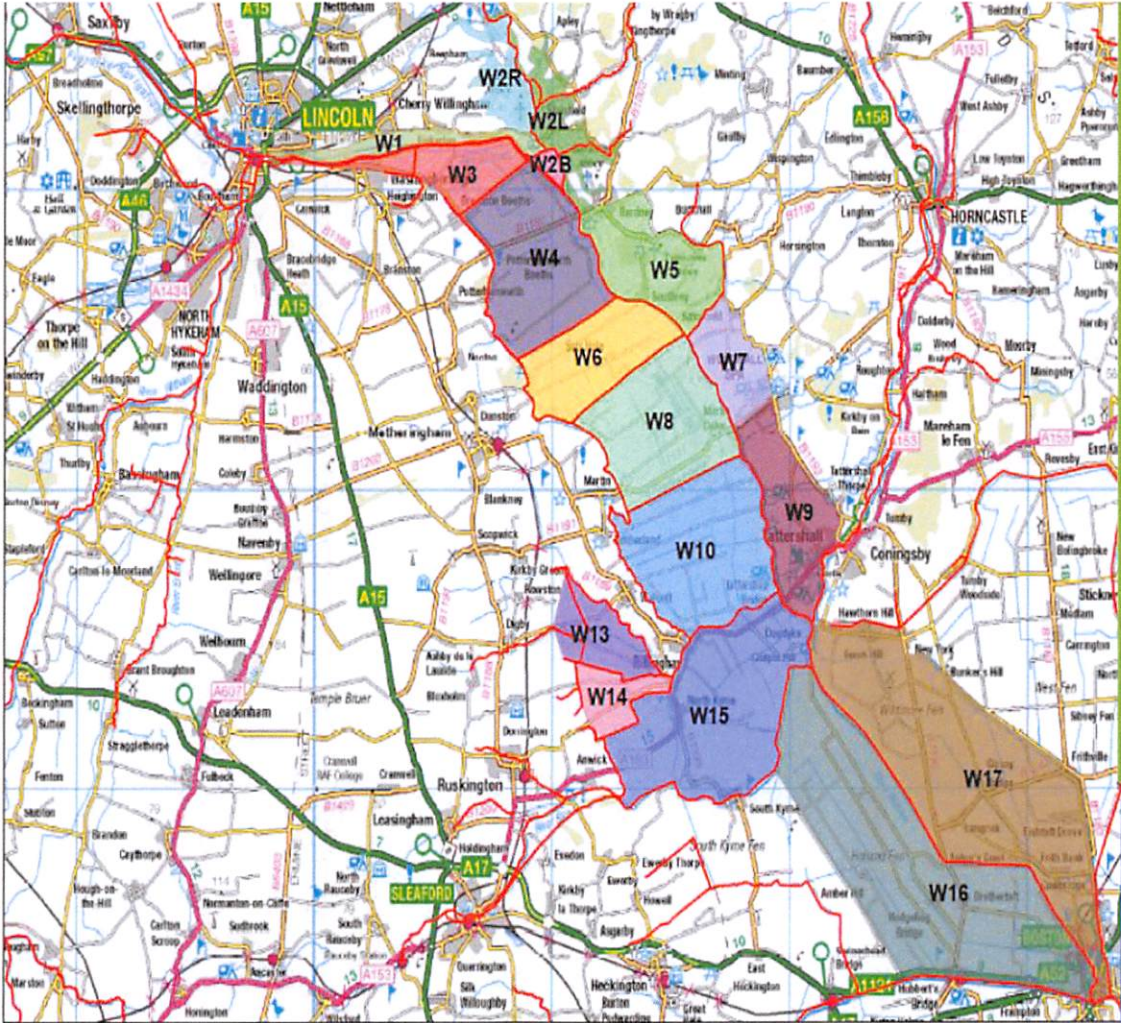
Some of the Witham embankment channels are now of a significant age (in excess of 200 years in places) with increasing flood risk putting these bank at a higher risk of failure which in turn places the local communities and economy at risk.

Following recent events along the Witham this project has been granted accelerated funding to undertake surveys and project appraisals over the next three years.

As the EA led £100m project develops key stakeholders will be invited to be part of the project board with a view to helping to develop the planned programme along the following lines:-

- Baseline surveys, modelling, engagement and appraisal – 2020 - 2022
- Phase 1 design and construction – 2023 - 2024
- Phase 2 design and construction 2025 - 2026
- Phase 3 design and construction 2026 – 2027

The diagram indicated the catchment cells either side of the Lower Witham (Lincoln to Boston), cell W16 within the Black Sluice Catchment being one of the largest cells.

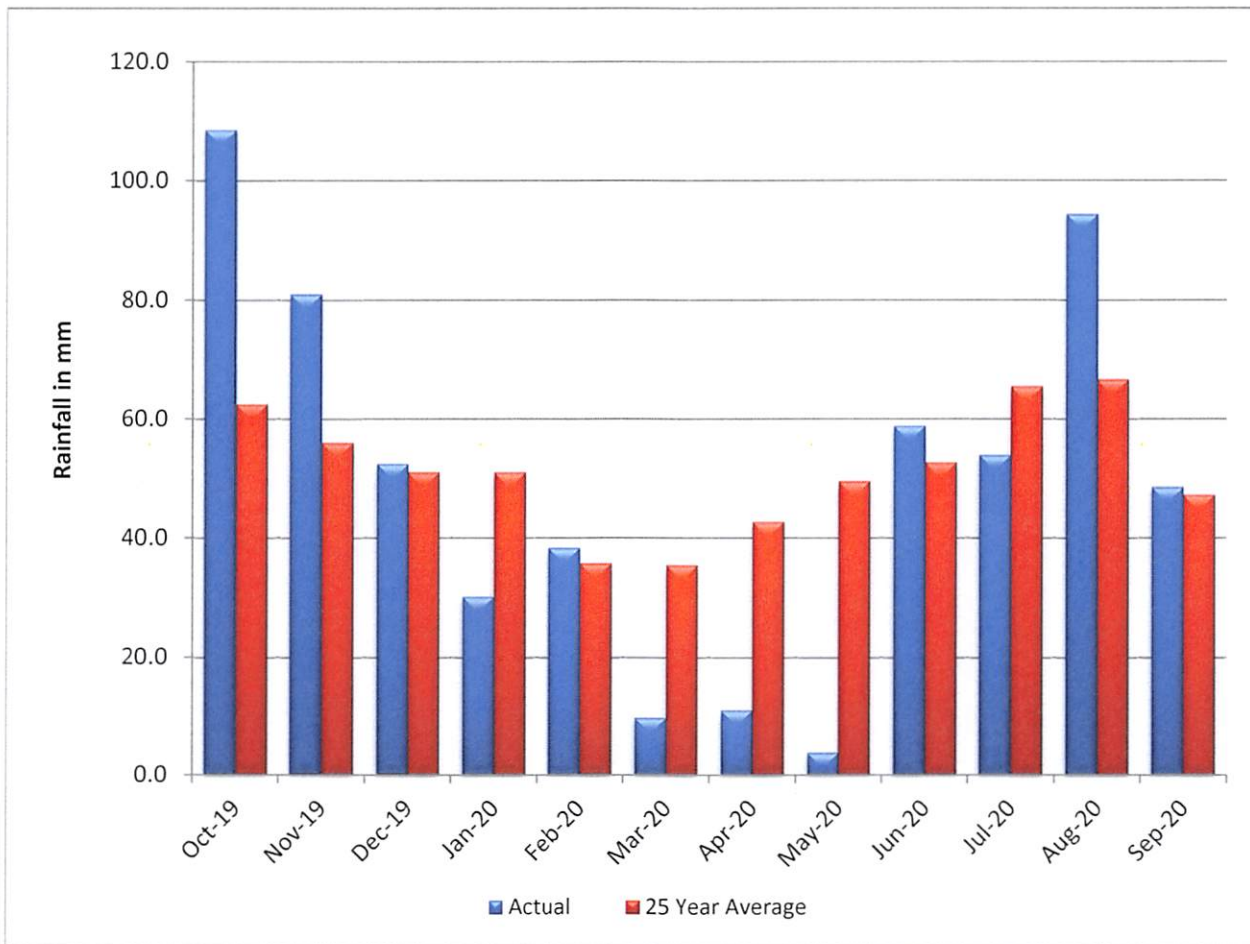


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Contact Us: National Customer Contact Centre, PO Box 544, Rotherham, S60 1BY. Tel: 03706 506 506 (Mon-Fri 8-6) Email: enquiries@environment-agency.gov.uk

Ian Warsap
Chief Executive

BLACK SLUICE INTERNAL DRAINAGE BOARD Rainfall at Swineshead Depot

MONTH	Rainfall		Actual / Average
	Actual	25 Year Average	
	mm	mm	%
Oct-19	108.5	62.5	173.60%
Nov-19	81.0	56.0	144.64%
Dec-19	52.4	51.0	102.75%
Jan-20	30.2	51.0	59.22%
Feb-20	38.4	35.8	107.26%
Mar-20	9.8	35.5	27.61%
Apr-20	11.1	42.7	26.00%
May-20	3.9	49.5	7.88%
Jun-20	58.8	52.7	111.57%
Jul-20	53.9	65.5	82.29%
Aug-20	94.4	66.7	141.53%
Sep-20	48.5	47.2	102.75%
Totals	590.9	616.1	95.91%



BLACK SLUICE INTERNAL DRAINAGE BOARD
NORTHERN WORKS COMMITTEE - 4th NOVEMBER 2020

AGENDA ITEM 11

RAINFALL

