

BLACK SLUICE

INTERNAL DRAINAGE BOARD



Southern Works Committee Meeting

Thursday 12th November 2020 at 2pm

Virtual Meeting



Black Sluice Internal Drainage Board

Station Road
Swineshead
Boston
Lincolnshire
PE20 3PW

01205 821440

www.blacksluiceidb.gov.uk

mailbox@blacksluiceidb.gov.uk

Our Ref: IW/DPW/B10_1

Your Ref:

Date: 5th November 2020

To all Southern Works Committee Members

Notice is hereby given that a Meeting of the Southern Works Committee will be held remotely on Thursday 12th 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 Southern Works Committee held on 4th March 2020 (**pages 1 - 11**)
4. Matters arising.
5. To consider Period 06 Management Accounts (**pages 12 - 17**)
6. To receive a report on Engineering Works for 2020 (**pages 18 - 26**)
(a) Capital Scheme Budget (**page 27**)
7. To receive the Quarter 2 Forecast (**pages 28 - 31**)
8. To review the policy on Crop Loss Compensation (**pages 32 - 37**)
9. To receive a report on the South Forty Foot Catchment Updates (**pages 38 - 48**)
10. Rainfall (**pages 49 & 50**)
11. Any Other Business.

BLACK SLUICE INTERNAL DRAINAGE BOARD

MINUTES

of the proceedings of a Meeting of the
Southern Works Committee

held at the offices of the Board on the
4th March 2020 at 15:50pm

Members

Chairman - * Mr M Rollinson

* Mr W Ash	* Mr J F Atkinson
* Mr V A Barker	Cllr C Benn
* Mr K C Casswell	Mr J Caswell
* 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 K Methley (Pump Engineer)
Mr P Holmes (Vice-chair & Chairman Northern Works Committee)

Cllr P Bedford (Executive Committee Member)
Mr J Fowler (Executive Committee Member)

Mr A Branton (Guest)
Mr B Atkinson (Guest)
Mr N Scantlebury (Guest)
Mr M Taylor (Guest)

The Chairman welcomed the guests to the meeting.

1585 **APOLOGIES FOR ABSENCE - Agenda Item 1**

Apologies of absence were received from Cllr C Benn, Mr M Brookes, Mr M Mowbray, Mr A Mair, Mr J Rollinson, Mr G Atkinson and Mr N Morris, Mr C Dring and Mr J Caswell.

1586 **DECLARATIONS OF INTEREST - Agenda Item 2**

Declarations of interest were received from:

(a) **MR V BARKER - DRAINAGE & MAINTENANCE ISSUES – LAND SOUTH OF THE RISEGATE EAU, GOSBERTON FEN**

Mr V Barker declared an interest in minute 1591(a) – drainage and maintenance issues at land south of the Risegate Eau, Gosberton Fen.

(b) MR J ATKINSON - POTENTIAL HANDOVER OF DRAIN 26/2 TO LANDOWNER - PINCHBECK NORTH FEN

Mr J Atkinson declared an interest in 1591(c) – potential handover of drain 26/2 to landowner – Pinchbeck North Fen.

(c) MR J ATKINSON - GENERAL DRAINAGE ISSUES – PINCHBECK NORTH FEN SUB CATCHMENT

Mr J Atkinson declared an interest in 1591(d) – general drainage issues at Pinchbeck North Fen Sub Catchment.

(d) MR J ATKINSON - CULVERT WORKS – LEAVESLAKE DROVE

Mr J Atkinson declared an interest in 1591(g) – culvert works at Leaveslake Drive.

1587 MINUTES OF LAST MEETING - Agenda Item 3

The Minutes of the Joint Works Committee, regarding the Southern Works Committee, which was held on 21st November 2019, copies of which had been circulated, were considered. It was AGREED that the Minutes should be jointly signed as a true record.

1588 MATTERS ARISING - Agenda Item 4

There were no matters arising.

1589 TERMS OF REFERENCE - Agenda Item 5

The Chief Executive explained that the only change / addition to the Terms of Reference is the addition of the 'Reporting' section and 'Reviewed & Approved by' section, shown in red in the agenda item. These sections will be added to every committee's terms of reference in order to standardise them all.

All AGREED that the Southern Works Committee Terms of Reference be RECOMMENDED to the Board for approval.

1590 TO RECEIVE A REPORT ON THE SOUTH FORTY-FOOT UPPER CATCHMENT NATURAL FLOOD MANAGEMENT (NFM) STUDIES - Agenda Item 6

The Chief Executive introduced this agenda item, firstly by pointing out that the priority order that the catchments will be completed is the order shown in the white box on the map included in the agenda. These don't correlate with the numbers shown on the map and so the Chief Executive added that the catchment numbers are as follows; catchment 1 should be 6, catchment 2 should be 5, catchment 3 should be 4, catchment 4 should be 1, catchment 5 should be 3 and catchment 6 should be 2.

The Chief Executive asked that if anybody owns / farms land within these catchments, or knows anybody that does, that has an interest in Natural Flood Management (NFM) to get in contact with Lesley Sharpe, who will be conducting the work, alongside a Farm Engagement Advisor. The contact details for Lesley Sharpe are included in the agenda item.

It was also noted that Lesley Sharpe is an expert in countryside stewardship mid-tier 2020 and is currently at an event promoting 'Championing the farm environment'.

1591 DISCUSS THE OPERATIONS TOUR & INSPECTION - Agenda Item 7

The Operations Manager presented the agenda item as follows;

(a) DRAINAGE & MAINTENANCE ISSUES – LAND SOUTH OF THE RISEGATE EAU, GOSBERTON FEN

There are four options to be considered for the improvement of conveyance of water along this watercourse as follows;

- enhanced maintenance to three times a year
- lift by pumping in the current direction of flow
- lift by pumping by reversing the direction of flow and outfall into the Hammond Beck
- lift by pumping via a possible shortened route to Drain 22/28 to south.

Following conversation with one of the landowners, Mr V Barker, an initial way forward could be to increase the maintenance along the watercourse i.e. improve weed control through the summer months, meaning that the watercourse will have the banks flailed and mechanically roded twice to three times per year dependent upon the growing season. Following a survey, it may also show that the conveyance could be improved by widening or desilting, which can be considered following the survey. Other options were felt to be less cost beneficial.

Mr V Barker confirmed he was content with this plan, noting that he would like to be involved once the report has been completed.

(b) BSIDB SCHEME WORKS – GRAFT DRAIN, NORTHGATE, WEST PINCHBECK – SCHEME 2086, DRAIN 22/31

This improvement work includes the removal and / or replacement of culverts along the watercourse. The proposal for next year is to continue the work to eventually have completed the whole watercourse.

The proposed budget for next year is £60,000. This phase of work consists of ten existing culverts, of which removal or repositioning, whereby two existing culverts could be replaced by one, will be looked into following negotiations with landowners. Therefore, there will be a reduction in the number of culverts.

Proposed by Mr K Casswell, all AGREED that the £60,000 2020/21 budget for the continuation of improvement works along the Graft Drain (22/31), Scheme 2086, be RECOMMENDED to the Board for approval.

(c) POTENTIAL HANDOVER OF DRAIN 26/2 TO LANDOWNER – PINCHBECK NORTH FEN

Mr J Atkinson noted that he would like the handover of drain 26/2 delayed until a satisfactory solution is made concerning the general drainage issues in the Pinchbeck North Fen Sub Catchment, as explored below in minute 1591(d).

(d) GENERAL DRAINAGE ISSUES – PINCHBECK NORTH FEN SUB CATCHMENT

Options to be considered to improve conveyance along drain 26/2 are as follows;

- lower the pump drain level
- check the condition of the outfall pipe from the watercourse that runs adjacent to the South Forty Foot Drain (SFFD) to ensure it is fit for purpose
- installation of a non-return flap valve on the end of the outfall pipe so the level in that watercourse can be maintained
- the installation of a siphon under the SFFD to take the existing flows into the Dunsby catchment.

The BSIDB operations team will discuss with the landowner to decide upon the most appropriate way forward.

Mr V Barker noted than another option, also relevant to Twenty, may be the use of a small pump.

Mr J Atkinson noted that he wonders if the very small section between the pump and the first bridge could be deepened and a small weir made so that the roadside drain maintains the same depth in addition to the pump pumping to a lower level. Mr J Atkinson noted he is happy for the officers to explore the various options.

(e) REPLACEMENT OF CONTROL PANELS AT DUNSBY FEN PUMPING STATION

The current control panel at Dunsby Pumping Station is at the end of its life, it is 26 years old, some of the parts that may fail no longer have replacement parts available because of its age. It is therefore more cost effective to replace these panels before they begin to fail. The proposed budget for replacement is £30,000.

Mr P Holmes questioned which parts are actually not replaceable, feeling that it is possibly a bit extreme to spend £30,000 on a new control panel that hasn't actually failed yet.

The Operations Manager responded that it is easier and cheaper to replace the whole control panel rather than modify / update the existing one.

The Chief Executive acknowledged Mr P Holmes point, but noted the Environment Agency's (EA) outlook of 'fix following failure'. The Chief Executive added that he doesn't want this Board to have the same outlook, which is why the ten-year plan is in place, of which this is part of. He added that the Board is seen as proactive and how long do you leave the existing control panel before it starts failing?

It was noted that the only value the existing control panel will have is for scrap metal. The Finance Manager also added the risk of it failing during an emergency event. The Pump Engineer also confirmed that the supplier of the control panel provides the best financial option.

Mr V Barker questioned whether the new control panel will have the correct controls to be able to be controlled from the office rather than having to physically attend site? The Chief Executive noted that it is not the control panels that determine this, but the control software system, which is currently being reviewed and upgraded. The Pump Engineer confirmed that the new control panel will have the relevant connections within it for this, where as the older control panels will have to be adapted.

The Chairman felt it is a worthwhile investment.

Proposed by Mr V Barker, all AGREED that the £30,000 2021/22 budget for the replacement of the control panel at Dunsby Fen Pumping Station be RECOMMENDED to the Board for approval.

(f) CULVERT WORKS – LANE DIKE, MORTON FEN

The Board would like to replace this culvert through Grant in Aid as it has been identified that during high water flows, the outfall isn't big enough to allow for the flows through the watercourse and so will be replaced with a larger diameter. It will cost £102,000 to replace the culvert.

There is the potential to put the new culvert in at a lower level, which will be investigated before completion.

Mr J Atkinson referred to the map within the agenda, questioning whether it is possible to shorten the route and have more open watercourse rather than tunnel?

Mr V Barker added that, he felt, what Mr J Atkinson was saying is that if the new culvert is located slightly north of the existing culvert it would be much shorter and therefore cheaper.

The Operations Manager acknowledged that the possibility of this can be looked into, however, it can't come too much straighter as it would interfere with the substructure of the station.

(g) CULVERT WORKS – LEAVESLAKE DROVE

The potential for Grant in Aid funding is currently being investigated for the replacement of the Leaveslake Drove outfall culvert. Attention was drawn to the proposed size of the new culvert, 36m x 1500mm diameter, placing it at a lower level will also be investigated.

Mr V Barker questioned that unless the South Forty Foot Drain (SFFD) was pumping at a lower level there won't be a great amount of improvement?

The Operations Manager noted how very saturated and wet the land is in that particular area and so whilst replacing the culvert consideration needs to be given to increasing the conveyance of the water. The installation of a non-return valve will also be considered so that the level within the watercourse can be controlled.

Mr V Barker raised his point again, suggesting that for increased conveyance the level of the SFFD may also need to be lowered.

Mr J Atkinson noted that there is more land under water in this area than elsewhere due to the drain at the roadside not being deep enough.

The Operations Manager noted that improvement works were carried out, however, the restriction is always the outfall. If it was to be dug any deeper then it will only act as a reservoir, so it can't be made any deeper if the capacity is not available.

The Operations Manager concluded that the officers will explore further to see if there is further improvement that can be made, this potentially being the replacement of the outfall culvert and considering what lower level can be achieved.

(h) SMART WATER MONITORING – BSIDB DISTRICT & UPPER CATCHMENT

A large-scale map of the map included within the agenda was provided for members and guests to look at should they wish to.

Landowners within the upper catchment areas will be contacted regarding the installation of gauging sites on their land.

(i) WEEDSCREEN CLEANER – SEMPRINGHAM FEN PUMPING STATION

Grant in Aid funding has been achieved for the weedscreen cleaner at Sempringham Pumping Station.

The weedscreen cleaner will be similar to the one at Horbling Fen Pumping Station and will also require a dump area. This is expected to be completed within the next financial year.

Cllr P Bedford left the meeting.

(j) LEAKAGE INTO DRAIN 20/5 – FROM EA BILLINGBOROUGH LODGE, NESLAM FEN

There is an existing pipe under the road into the Billingborough Lode and when the Billingborough Lode is at high levels, it has now started to push water under the road and into the BSIDB watercourse, therefore filling up the BSIDB system every time water levels are high.

The Operations Manager has been in contact with the Environment Agency (EA) about this and they are aware of it. We are currently waiting for them to decide upon the next course of action. Although it is effecting the BSIDB system, the water is coming from the EA and so ultimately it is their problem. The simplest option may be to cap it off with concrete.

Mr V Barker felt that rather than coming under the pipe, he felt it is coming through the pipe to a point in the bank and it is now coming through the rusted pipe. He felt using cement to block it would be the best option.

(k) NEW ROOF – HORBLING PUMPING STATION

As part of the programme to replace all pumping station roofs, it is proposed to complete the new roof at Horbling Pumping Station in 2021/22 at an estimated cost of £9,000. For reference, the roof will be the same type fitted to Donington Mallard Hurn in 2018.

Proposed by Mr W Ash, all AGREED that the installation of a new roof at Horbling Pumping Station in 2021/22 at an estimated cost of £9,000 be RECOMMENDED to the Board for approval.

(l) NATURAL FLOOD MANAGEMENT (NFM) SCHEME – SWATON SUB-CATCHMENT

The Environment Agency (EA) have asked the IDB to promote their pilot project of natural flood management.

The EA are looking to introduce swales to capture the water and stop it entering watercourses so quickly, to capture over land flow water, to enable the watercourse to be better managed and a reduction in flows.

The Chief Executive added that the swales are not connected to the watercourse and through evaporation and natural seepage the water will dissipate.

The EA have created three options of swale plans, which were displayed on screen. The Operations Manager added that the Board's machinery will still require access and so a minimum of six metres is required, which the EA are aware of, the plan shows 5 metres.

The EA's ideal is that whatever they create is within the existing margins as you can apply for derogation on the existing licence to change what the licence includes – this will work for riparian watercourses but not board maintained, the EA will have to either consider paying a short term crop loss compensation or increase the margin that encompasses the swale.

The scheme is still in its early stages, with the aim being to have completed the majority of the scheme by 2021. This work will be offered to the IDB through the Public Sector Cooperation Agreement (PSCA).

The majority of the relevant land is owned by the Crown, whom the Farm Engagement Officer will have / will be negotiating with. Mr V Barker noted the length of time taken to negotiate with the Crown Estate regarding the IDB lagoons.

Mr K Casswell raised his concern about the swales and that once full they will surely overflow? It may work in a flash amount of rain, but will it work with prolonged amounts of rain? The Operations Manager agreed that it is not as far reaching as was expected.

Mr V Barker questioned the cubic capacity of the swales in comparison to the drain running along side it; he felt it would be minimal.

(m) REPLACEMENT OF CULVERT 2422 – DRAIN 36/3, NORTH BECK, ASWARBY

Culvert 2422 has partially collapsed which, alongside high water flows, has caused a slippage on the bank. The site is being monitored.

Some of the Board's officers have spoken with the landowner regarding the replacement of the culvert, with an estimated cost for replacement being C£15,000.

The Chief Executive noted that he is under the impression that the landowner is pursuing an insurance claim. It was noted that they are still using the culvert to get to and from the house and farm. The Chairman felt the landowner will ask the Board to replace it.

(n) WEEDSCREEN CLEANER – HELPRINGHAM FEN PUMPING STATION

Once the pumps start running they naturally start to drag the weed that is in the system, this can create a problem, which has been especially so this year at Helpringham.

The weed stops at the weedscreen and prevents the water getting to the pump and therefore the pump stops running. The pump will only come back on once the water level builds up again. The stopping and starting of pumps like this is not good for the motor within the pump and so should be avoided as much as possible.

The existing dump area was built a number of years ago with the hope of being able to attract funding for an automated weedscreen cleaner. Unfortunately, gaining funding has been unsuccessful and following the problems encountered, it is felt it needs replacing.

Another problem faced is that the electrical contractors have stated that the pumps are not designed to run for prolonged periods of time, however, this is what we need them to be able to do in order to manage water levels. Therefore, this is going to be brought in as a possible grant in aid scheme or capital scheme for the future to install an automated weedscreen cleaner and improvements to the station. This has an estimated cost of £120,000 to include extension works to the dump area and the new weedscreen cleaner. The Chief Executive also made reference to the possibility of extending with a box unit which will be explored further by the officers.

(o) SOUTH FORTY-FOOT DRAIN BUSHING WORKS

Bushing has almost been completed for the 3km stretch from the A52 to almost Bicker Fen.

The aim is to get a 3km section desilted this year, another 3km desilted the following year and the same again the year after. However, there are some restrictions around when the works can actually take place, for example, the bushing can only take place out of bird nesting season. This will all be determined by funding from the Environment Agency (EA), which is currently not available. However, there is a high level of confidence that the funding will become available.

(p) FLOODING – EA HELPRINGHAM EAU – RED BRIDGE, HELPRINGHAM

There have been high water levels in the Helpringham Eau, videos displaying this were shown on screen.

This watercourse is maintained by the Board on behalf of the Environment Agency (EA), however, this year the Board were stopped by the EA from traveling along the banks of the drain to maintain it due to how saturated the banks were as a health and safety risk. Therefore, the watercourse was not able to be cut prior to these high levels and flooding, however, the Operations Manager felt it would not have made much difference based on the amount of water received.

(q) TWENTY PUMPING STATION & DRAINAGE ISSUES

An additional slide was presented on screen, not included within the agenda inspection booklet.

There are currently issues with standing water on land and water above land draining outfalls in both Board-maintained and riparian watercourses. The relevant Farm Manager, Mr M Taylor, has conversed on several occasions about this with the Operations team and the short-term fix currently used is to run the pumps at Twenty to try and lower the levels. This is only a short-term solution and so other options need to be considered as follows; to collate all existing survey information and decide whether a new survey needs to be conducted, a walk over survey has been completed last week with no obvious problems observed such as blockages, siltation, etc. Mr M Taylor also added that he also has not identified any blockages etc.

Mr M Taylor questioned whether the problem with Dyke Fen Pumping Station could be having an effect? The Pump Engineer responded that this wouldn't have an impact as it is pumping at its usual level. It was added that Dyke Fen level is a metre lower than Twenty.

The Operations Manager added that it is a question of even if the water could get off the land and into the watercourse, is that the problem? Alternatively, is the problem that the water is not getting away and why not?

Mr M Taylor added that north of Twenty pump, where it flows through the farm, the levels have been considerably higher therefore meaning there seems to be no natural drainage off that land. Mr W Ash added that rather than going down BSIDB drains, it is going down the landowners drains through the farm, the water is taking the easiest course. Mr W Ash felt the water level being pumped to is too high. He further suggested a sluice to allow the water to travel straight through, that way, the water could also be held back during the summer for irrigation purposes.

The Chief Executive responded that there is a gravity flow pipe through Twenty Pumping Station but it sounds like it is too high a gravity flow pipe. Therefore, the officers will investigate what a new 'bypass channel' should be at in relation to the existing.

The Operations Manager noted that the ideal situation is to be able to achieve the same results from pumping at Twenty as through gravitation.

The Chairman questioned whether valves could be placed on the drains to stop it backing up? It was confirmed this isn't possible.

The Operations Manager concluded that the existing survey data will be analysed, possibly another survey completed and look at possible options.

Mr M Taylor noted his appreciation for the effort in trying to resolve the issue.

1592 REPORT ON RAINFALL - Agenda Item 7

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

Mr P Holmes questioned whether the Black Hole Drove rain gauge has been checked as it was showing consistently lower results than Swineshead?

The Pump Engineer responded that he has been and tested it and it all seemed to be working correctly.

The three rainfall gauges at Black Hole Drove, Cooks Lock and Swineshead will all be being replaced through another scheme.

Mr V Barker added that Welland & Deepings IDB have a gauge close by which could be used to compare to.

The Chief Executive noted as a point of interest that recently over the same period of time, the Black Sluice IDB catchment had recorded 32mm of rain where as Welland & Deepings had only recorded 3mm.

The Chief Executive made reference to the Rainfall Actual Value Maps within the agenda and displayed the February 2020 map on screen, highlighting that the scaling has had to be changed due to the highest ever recorded levels of rainfall.

The Operations Manager noted that a few years ago an app was discussed and shared regarding weather stations and recording rainfall, questioning if anybody knows the name of this app as it has been lost in the system? It was established that it was called Weather link.

1593 ANY OTHER BUSINESS - Agenda Item 8

(a) LEVEL OF STAFFING

Mr V Barker questioned whether, due to the recent prolonged rainfall events, management are happy with the level of machinery and workforce? He noted the length of time it will take to complete the extra work created as consequences of the rainfall events i.e. bank slips etc. He acknowledged the financial impact of taking on more members for the workforce but felt that if there are jobs that need doing then they need to be done.

The Chief Executive questioned whether Mr V Barker was unsatisfied with the Board's operations? Mr V Barker confirmed he was not dissatisfied but has observed the increasing work load within the catchment. Mr P Nicholson added that if there any areas that the members are aware of that require the attention of the workforce then please inform the officers as they are not always aware.

The Chairman added that he felt the Board are very lucky for the incredible job and work the workforce have put in.

The Chief Executive acknowledged that there is an increased amount of work, i.e. bank slips. However, they are being monitored and prioritised. If the officers feel that work is not getting done and are falling behind then consideration will be given to employ additional workforce and hire in additional equipment. However, the Chief Executive believed the operations team are currently on top of the workload.

Mr P Holmes also noted that, as landowners, it has to be realised that the Board will have priorities within the catchment and so the work will get done but maybe not immediately.

Mr K Casswell referred to the financial implication of more staff and how typically the Board would usually have concern about the council paying the special levy, but actually it may be agricultural ratepayers that struggle to pay after the wet year encountered.

(b) THANK-YOU

Mr A Branton, of Welland and Deepings IDB, expressed his thanks for the invitation to attend the inspection tour and meeting, noting he found it very interesting. He added there are some striking similarities, but also differences due to the different catchment areas covered.

Mr A Branton voiced his one suggestion of using a drone to fly along drains, as it is very time saving and not particularly expensive. The Chairman noted that this technique has been used by the Board before.

There being no further business the meeting closed at 17:09.

BLACK SLUICE INTERNAL DRAINAGE BOARD
SOUTHERN WORKS COMMITTEE - 12th NOVEMBER 2020

AGENDA ITEM 05

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%

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	

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		<u>5,742,352</u>		<u>5,725,511</u>
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		<u>2,288,551</u>		<u>2,016,926</u>
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		<u>(76,422)</u>		<u>(84,235)</u>
Pension Liability		(2,744,000)		(3,655,000)
		<u><u>5,210,481</u></u>		<u><u>4,003,202</u></u>
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		<u>2,785,192</u>		<u>1,802,290</u>
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		<u>2,425,289</u>		<u>2,200,912</u>
		<u><u>5,210,481</u></u> 0		<u><u>4,003,202</u></u>
<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	
		<u><u>2,091,820</u></u>		

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

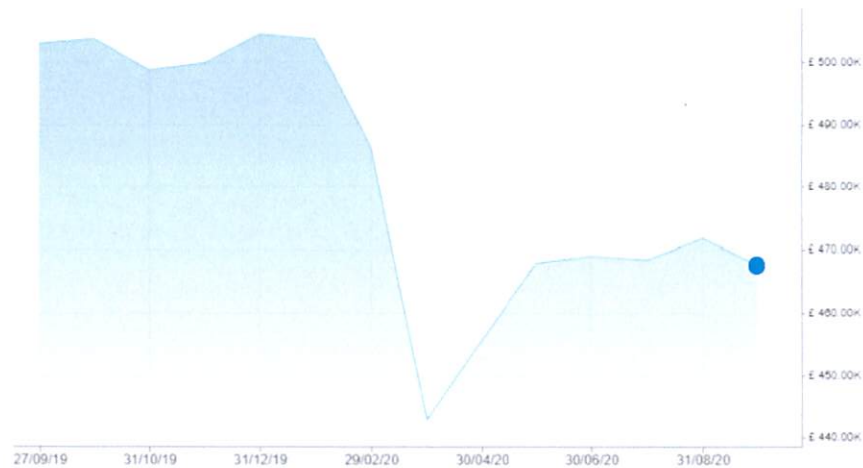
ESTIMATED ANNUAL INCOME
14,682.20 GBP

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

SOUTHERN WORKS COMMITTEE MEETING - 12th NOVEMBER 2020

AGENDA ITEM No 06

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) Sempringham Fen Pumping Station Refurbishment

£153,500 GiA
£70,000 Board contribution
£27,000 Local Levy

Progress on this site has been affected by COVID-19. A further meeting with the equipment suppliers and contractors being required. Problems with access to the site have also been discussed with the EA and are ongoing.

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

1.2 2020/21 Board Funded Capital Schemes

Remaining Capital Scheme works to be completed this financial year:

(a) Graft Drain Improvements - Scheme 2086 - £60,000(Estimate)

Following ongoing delays due to COVID-19, the Graft drain improvement works will continue 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 surveying. Works to be completed by March 2021.

(b) Dowsby Lode Improvements - £24,000

Improvements to the watercourse, extensive bank slip repairs and reprofiling of the South bank of this watercourse are now complete. Further works will be required to the North bank following relocation of an existing badger sett.

(c) Jetting to Major pipelines - £50,000(estimate)

(d) Remote Monitoring & Control(H&S Scheme) - £57,000(estimate)

£55,000 – GiA
£55,000 – Local Levy
£57,000 – Board contribution

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 27.

(a) Board Funded Capital Schemes

- (i) Jetting to major pipelines - £50,000 (estimate)
- (ii) Graft Drain Improvements - Scheme 2086 - £60,000(estimate)
- (iii) Horbling p/s new roof - £9,000(estimate)
- (iv) General culvert contributions - £5,000 (estimate)
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.

(b) Pumping Station Schemes

- (i) Dunsby Fen p/s replace control panel - £30,000(estimate)
- (ii) Horbling p/s new roof - £9,000(estimate)

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

- (i) Lane Dyke Culvert replacement

£102,000 - GiA

£1,000 - Board contribution

Funding has not yet been approved for this scheme.

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-rodng 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.

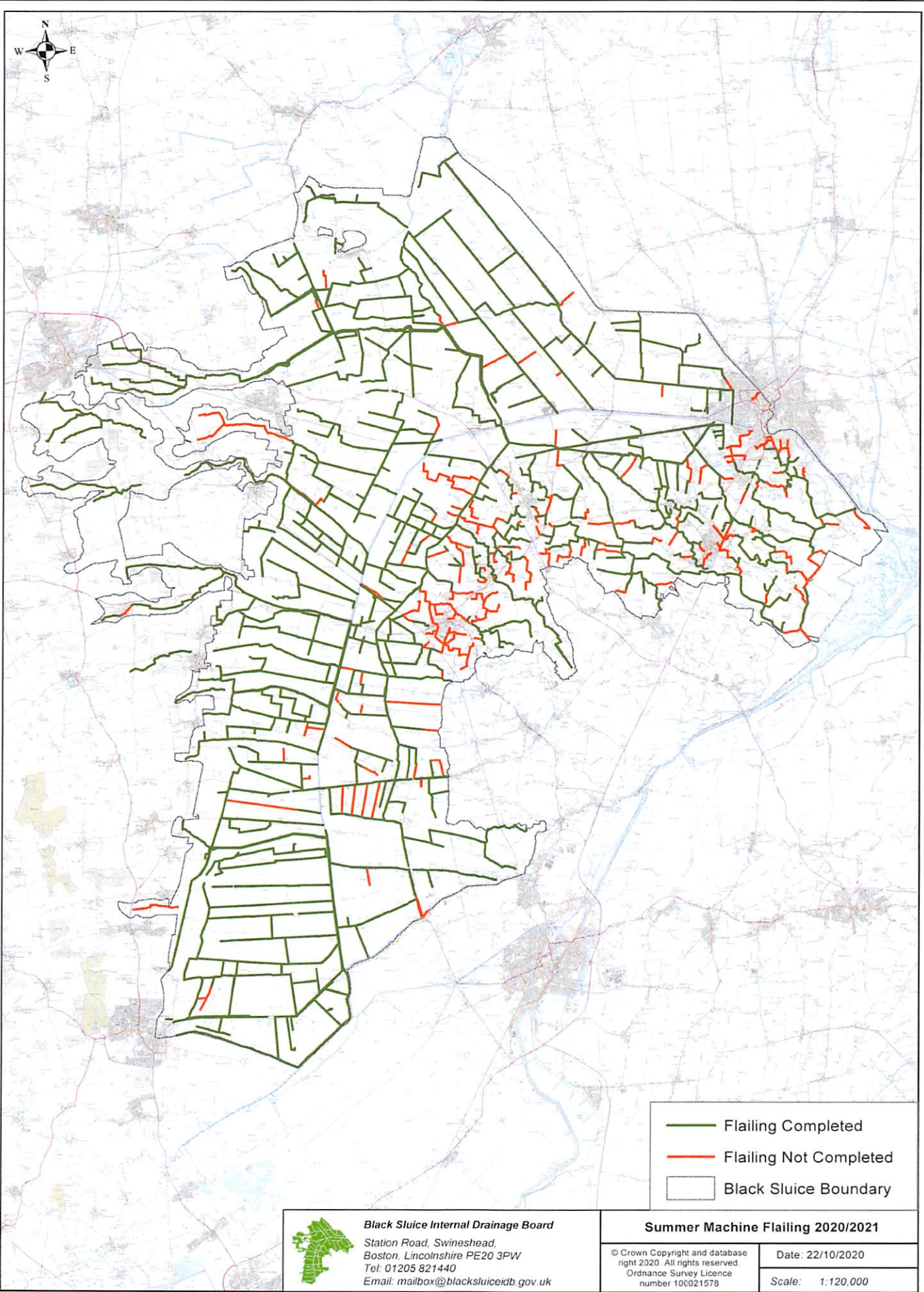
The Environment Agency were made aware of the issues at all 3 sites at the time and were to visit the sites. Nothing further from the EA has yet been realised. Black Sluice officers have since employed Stantec Engineering Consultants who have completed initial inspections of the sites £1,150.00 and have 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.




4. 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

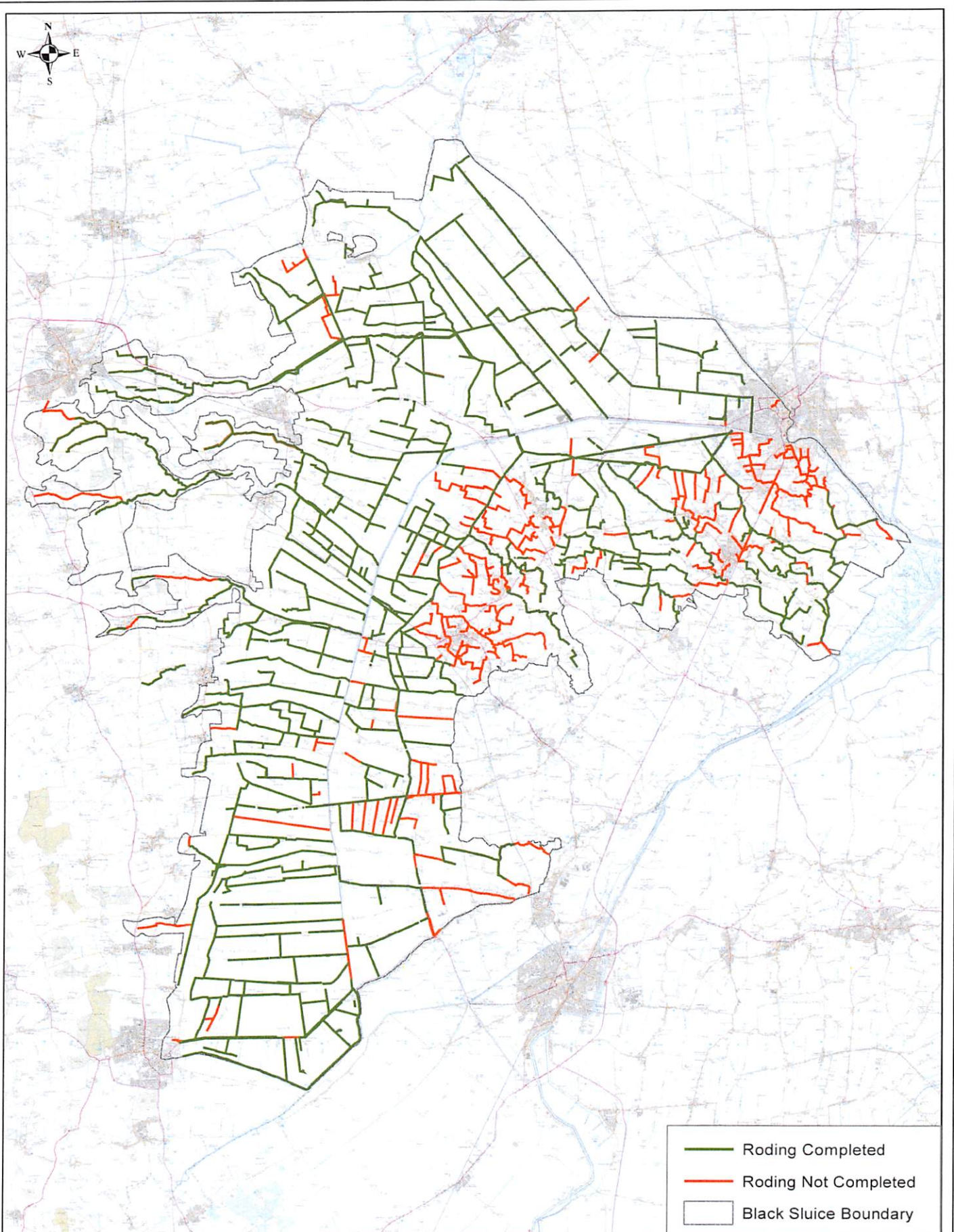





-  Flailing Completed
-  Flailing Not Completed
-  Black Sluice Boundary

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

Summer Machine Flailing 2020/2021

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	Scale: 1:120,000



-  Roding Completed
-  Roding Not Completed
-  Black Sluice Boundary



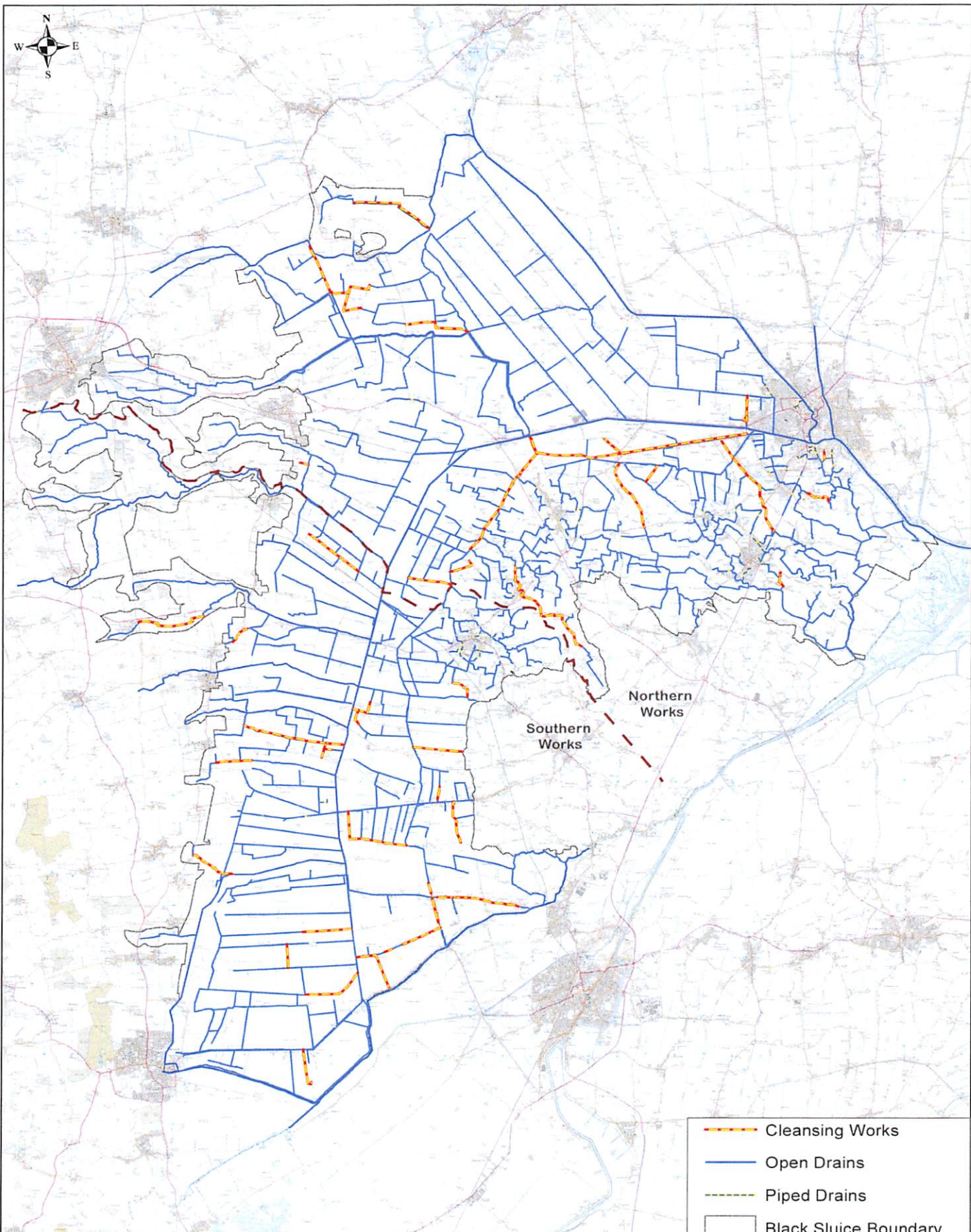
Black Sluice Internal Drainage Board
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Summer Machine Roding 2020/2021





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Date: 22/10/2020

Scale: 1:120,000



Total Length of Cleansing Works: 77,406 metres

-  Cleansing Works
-  Open Drains
-  Piped Drains
-  Black Sluice Boundary

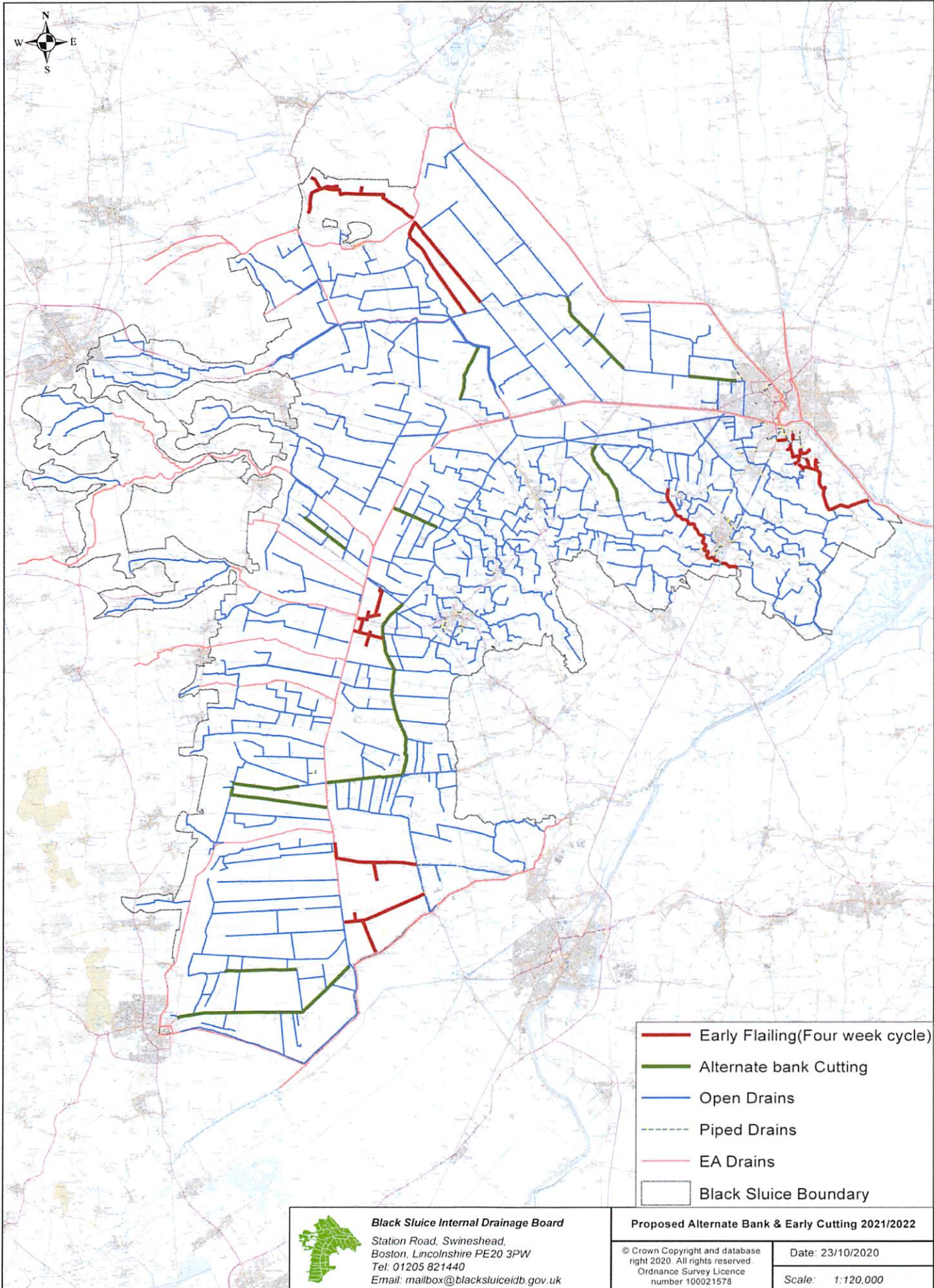


Black Sluice Internal Drainage Board
Station Road, Swineshead,
Boston, Lincolnshire PE20 3PW
Tel: 01205 821440
Email: mailbox@blacksluiceidb.gov.uk

Proposed Winter Cleansing Works 2020/2021

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Date: 22/10/2020
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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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Date: 23/10/2020
Scale: 1:120,000

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	Quadrang 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	Haconby 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		
		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	Quadrang Fen p/s replace control panel	£ 40,000				£ 40,000	
	Pump	Allen House p/s replace control panel	£ 32,000				£ 32,000	
		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
SOUTHERN WORKS COMMITTEE - 12th NOVEMBER 2020

AGENDA ITEM 07
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		536,455						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													5,000
	Development Fund	5,000	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 - Cooks 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	618	501	(117)	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	161	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	683	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	Cooks 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	379	400	425	498	724
2016	Helpringham	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	Rippingale	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	226	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	Hacconby	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	2,216
2029	Twenty															

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	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 rateable 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
SOUTHERN WORKS COMMITTEE - 12th NOVEMBER 2020

AGENDA ITEM 08

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
SOUTHERN WORKS COMMITTEE - 12th NOVEMBER 2020
AGENDA ITEM 09
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: -

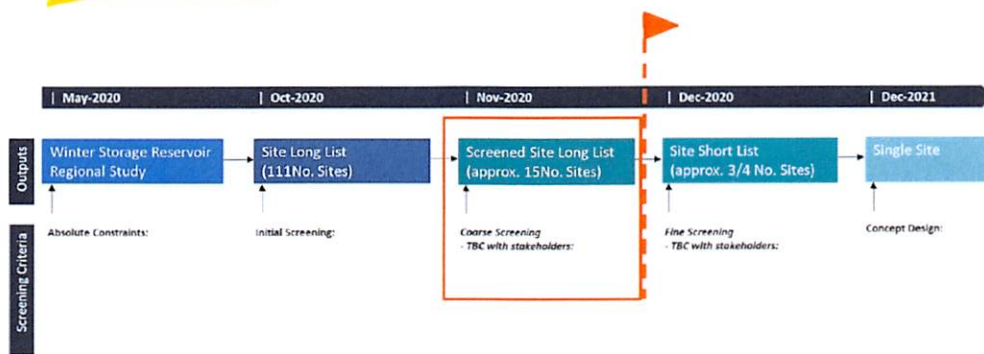
- high volume open water transfer through our catchment from the North
- increased capacity flows and flood resilience works to the SFFD
- increased agricultural access to water (possibly by means of agricultural irrigation reservoirs)
- increased fen land/wet land availability which will also store 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.

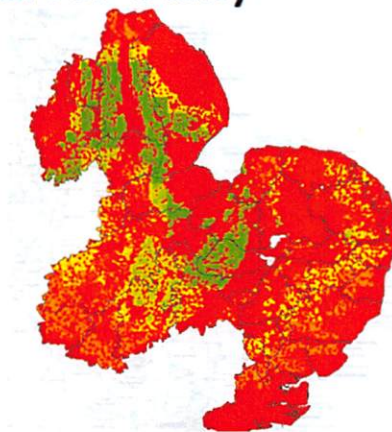
The diagrams indicate the current Screening Process programme deadlines, the Winter Storage Reservoir Study and the current Long List of Suitable Sites.

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.

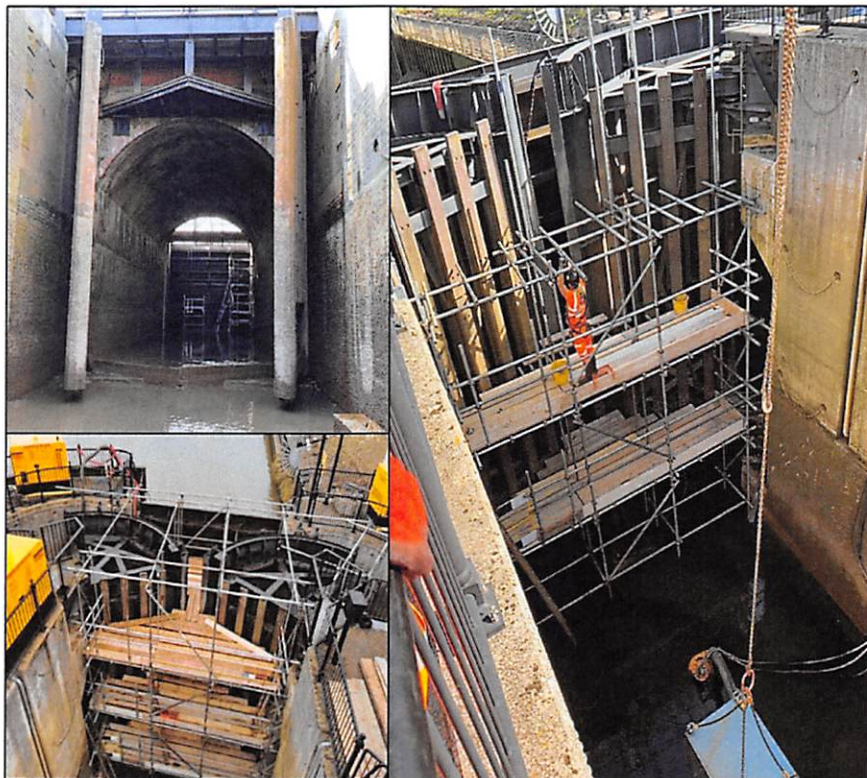
The new way of fully implementing the operation of the navigation lock alongside of the gravity sluice was tried and tested between September 2019 to February 2020 during the prolonged and heavy rainfall events. We saw some of the highest water levels recorded in the area, but over-topping of the embankments 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**

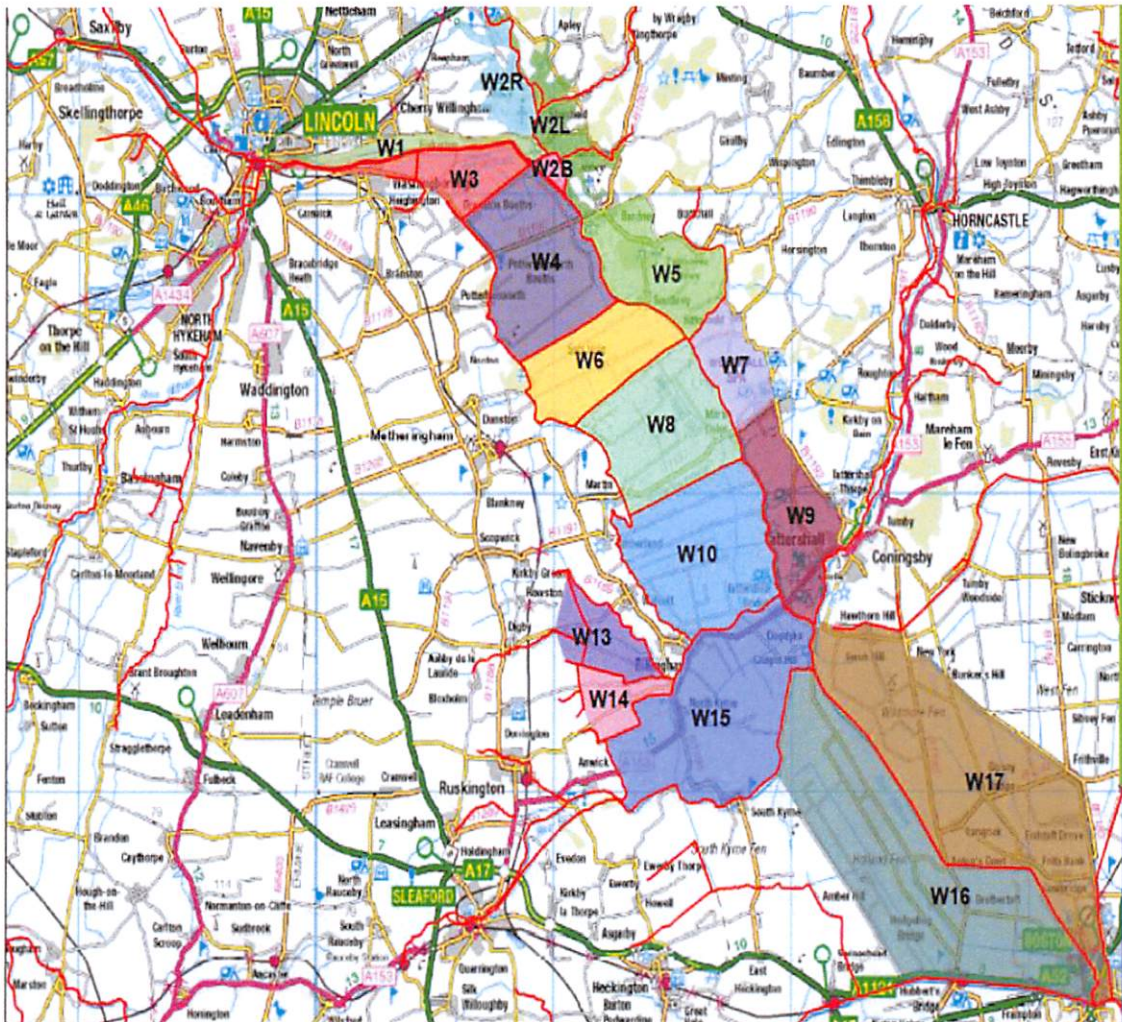
Some of the Witham embankment channels are now of a significant age (in excess of 200 years in places) with increasing flood risk putting these bank at a higher risk of failure which in turn places the local communities and economy at risk.

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.

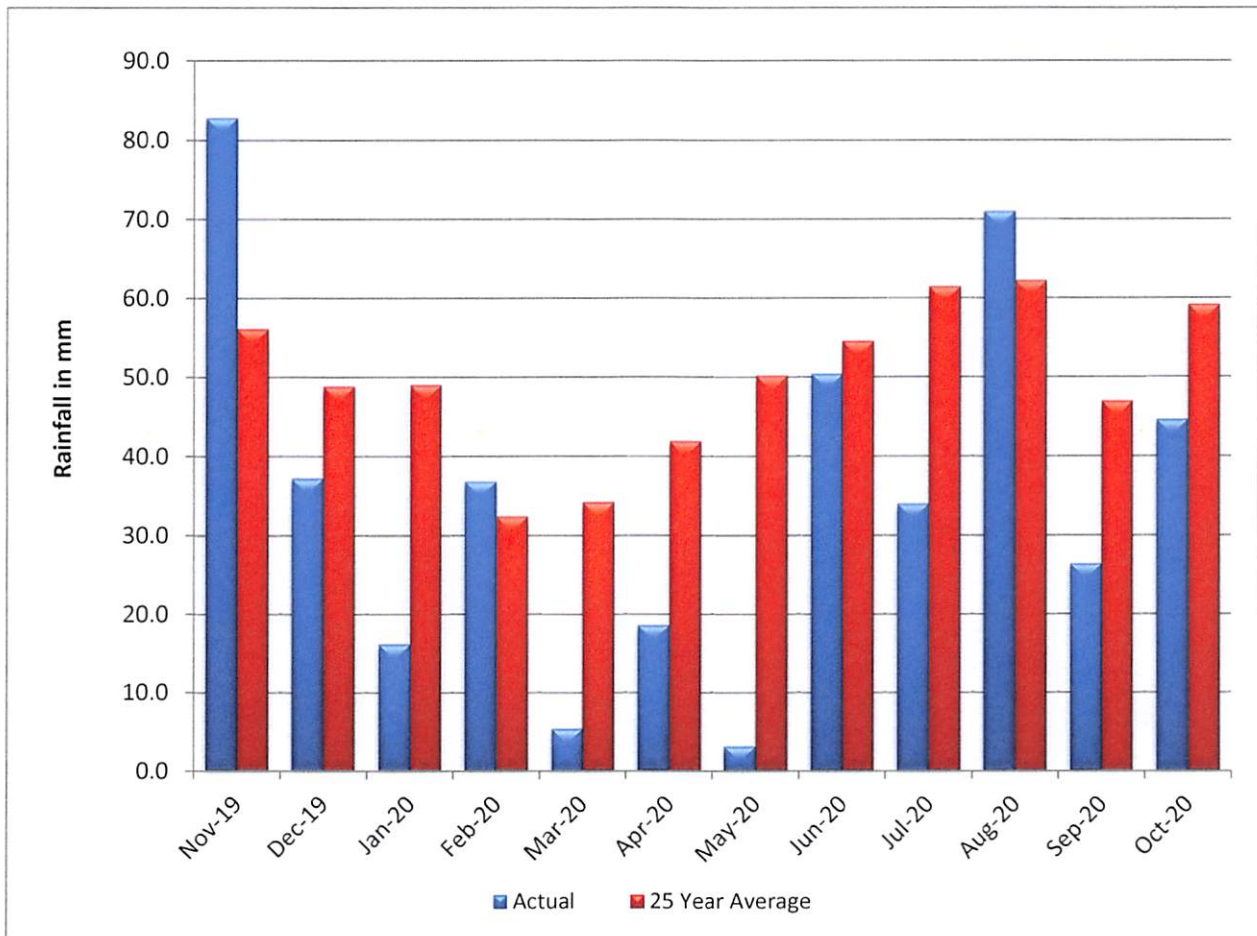


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Ian Warsap
 Chief Executive

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

MONTH	Rainfall		Actual / Average
	Actual	25 Year Average	
	mm	mm	%
Nov-19	82.8	56.1	147.59%
Dec-19	37.2	48.8	76.23%
Jan-20	16.2	49.0	33.06%
Feb-20	36.8	32.4	113.58%
Mar-20	5.4	34.2	15.79%
Apr-20	18.6	41.9	44.39%
May-20	3.2	50.2	6.37%
Jun-20	50.4	54.5	92.48%
Jul-20	34.0	61.4	55.37%
Aug-20	71.0	62.2	114.15%
Sep-20	26.4	46.9	56.29%
Oct-20	44.6	59.1	75.47%
Totals	426.6	596.7	71.49%



BLACK SLUICE INTERNAL DRAINAGE BOARD

SOUTHERN WORKS COMMITTEE - 12th NOVEMBER 2020

AGENDA ITEM 10

RAINFALL

