

# **BLACK SLUICE**

## **INTERNAL DRAINAGE BOARD**



## **Joint Works Committee**

**Meeting Wednesday 8<sup>th</sup> November 2017 at 2pm**

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



# Black Sluice Internal Drainage Board

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Our Ref: IW/DPW/B10\_1

Your Ref:

Date: 1<sup>st</sup> November 2017

## To all Northern and Southern Works Committee Members

Dear Member

### Joint Works Committee Meeting – 8<sup>th</sup> November 2017 @ 2pm

Please find enclosed the papers for the Joint Works Committee Meeting to be held on Wednesday 8<sup>th</sup> November 2017 at 2pm.

Yours sincerely

Chief Executive

### A G E N D A

1. Apologies for absence
2. Declarations of Interest
3. To receive and if correct sign the Minutes of the last Meeting of the Northern Works Committee held on 1<sup>st</sup> March 2017 (**pages 1 - 10**)
4. Matters Arising from the Northern Works Committee Minutes
5. To receive and if correct sign the Minutes of the last Meeting of the Southern Works Committee held on 22<sup>nd</sup> March 2017 (**pages 11 - 22**)
6. Matters Arising from the Southern Works Committee Minutes
7. To receive a report on Engineering Works Report for 2017 (**pages 23 - 29**)
  - (i) Capital Scheme Budget (**page 30**)
  - (ii) RMRN Fact Sheet and Maps (**pages 31- 40**)
8. To consider the Period 6 Management Accounts (**pages 41 - 44**)
9. To consider the Period 6 2017-18 Forecast (**pages 45 & 46**)
10. To consider Compensation Rates (**pages 47 & 48**)
11. Rainfall (**pages 49 & 50**)
12. Any other business

# BLACK SLUICE INTERNAL DRAINAGE BOARD

## MINUTES

of the proceedings of a Meeting of the  
Northern Works Committee

held at the Offices of the Board on the  
1<sup>st</sup> March 2017 at 15:55pm

### Members

Chairman - \* Mr P Holmes

* Cllr R Austin	* Cllr P Bedford
Cllr C Brotherton	* Cllr M Brookes
* Mr K C Casswell	* Mr D Casswell
* Cllr M Cooper	* Mr J Fowler
Cllr Mrs J Harrison	* Mr R Leggott
* Mr J E Pocklington	* Mr R Needham
* Mr P Robinson	* Cllr C Rylott
* Mr N Scott	Cllr P Skinner
* Mr R Welberry	

(\* Member Present)

In attendance: Mr I M Warsap (Chief Executive)  
Mr D Withnall (Finance Manager)  
Mr P Nicholson (Operations Manager)  
Mr C Richards (Pump Engineer)  
Mr K C Casswell (Chairman of the Board)  
Mr M Rollinson (Chairman Southern Works Committee)

Additional attendees on Inspection: Mr G Hutson (Guest)  
Mr M Mountain (Guest)  
Mr O Nicoll (HBP Systems)

The Chairman welcome Mr D Casswell and Cllr R Austin to the meeting who unfortunately were unable to attend the tour. The Chairman also thanked the Operations Manager for organising the Inspection.

### 1087 APOLOGIES FOR ABSENCE - Agenda Item 1

Apologies for absence were received from Cllr C Brotherton, Cllr Mrs J Harrison and Cllr P Skinner.

### 1088 DECLARATIONS OF INTEREST

#### (a) Drain 8/3 Ewerby Catchwater

A declaration of interest was received from Mr N Scott with regard to Minute 1091(e).

(b) Drain 14/2 South Kyme Old Pump

A declaration of interest was received from Mr D Casswell with regard to Minute 1091(g).

1089 MINUTES OF LAST MEETING - Agenda Item 2

The Minutes of the Joint Works Committee regarding the Northern Works Committee which was held on 12<sup>th</sup> October 2016 copies of which had been circulated were considered and it was agreed the Minutes should be jointly signed as a true record.

1090 MATTERS ARISING - Agenda Item 3

(a) 2016/17 Defra/EA Funded Grant in Aid Schemes - Minute 1022

The Operations Manager explained for Members information, all of the schemes from (a) through to (g) on pages 3 & 4, with the exception of the following have not received funding from the EA. The North Forty Drain and Langrick Road are now a combined scheme, Sempringham Fen & Damford Ground Pumping Stations, along with Helpringham Fen weedscreen cleaner were all part of a packaged scheme put together for the EA Consultants to progress and ultimately there has been no progress. The EA Consultants have delivered an outline business case and some of the consultants costs are more than the value of the schemes.

The Operations Manager confirmed that funding has been received for the Kirton Meeres Drain 7/11 Scheme to reline the pipeline and this work will be progressing in the next financial year.

(b) Watercourses to Abandon or Commence Future Board Maintenance - Minute 1025

The Operations Manager explained that a desktop exercise has been completed to indicate potential sections of watercourses which either serves only one landowner or where it is not in the interest of the Board to carry on maintaining including end runs and short lengths.

Mr Rollinson explained at the Joint Works Committee meeting it was discussed and felt the first approach could be the "easy wins".

The Chairman suggested that the watercourse sections/runs could be looked at on a "traffic light" basis ie

RED – would not be progressed any further  
AMBER – potential for further investigation  
GREEN – first ones to be progressed

The Operations Manager asked Members to discuss the sections/runs identified regarding their viability to be "given up" to riparian ownership. He explained that once Members have discussed this at the meeting today then Officers can gather more information on each of these particular sites and get some directive resolution around a way forward for the Officers to then progress to the next level.

Mr K Casswell pointed out that once you consult with the landowners you will find out the historical reason why they have been taken over in the first instance. Many of the questions we cannot answer will be answered whether it's from field amalgamations or whatever why they have been taken over in the first place.

The Chief Executive stated the Officers are trying to formulate but each one is bespoke, if the Board uses the traffic light scenario simplistically three green lights;

- GREEN light - if the Officers believe said drain should be "given up"
- GREEN light - that the landowner says yes "I would like it handed back as a riparian drain"
- GREEN light - there is no objection from the Works Committee and thence the Board

The Chief Executive asked Members for direction on what condition should said drain be "given up" in and what delegated powers to the Officers or Operations Manager - will he have to agree with said landowner onsite. He invited opinions on "How do we pass it back" - is it just a summer cut, is it assessed for de-silting, bushing what element of money/budget.

The Chairman enquired if in that situation we could say if the Officers give it a GREEN light and Works Committee Members and therefore the Board give it a GREEN light then we approach the landowner that it is to be handed back to said landowner. If there is any doubt ie there is an AMBER light on any then we don't progress any further.

The Chief Executive acknowledged if this is the case to be delegated to the Officers and the Operations Manager. The Officers have reported to the Works Committee and in turn to the Board that we believe this stretch is to be "given up". What powers should Members agree with the Operations Manager on how it is handled and what condition it should be handed over. He then asked the Committee what if the landowner wants it desilting and cleansing.

Mr Rollinson clarified that if the Board is handing it back, then it should be done in A1 condition.

The Chief Executive asked are the Members agreeing for this to be left to the Operations Manager? If he then has a problem with said landowner it can then be brought back to the relevant Works Committee. Members AGREED.

Mr Rollinson added that it should be handed back in a condition we would be prepared to adopt it in.

The Finance Manager interjected to say that budgets have been set and agreed until March 2018 so if there is over and above scheduled works we will have to find the funding for it otherwise it will have to be included in future years' budgets.

The Chairman responded that this does not have to be done, if we highlight a drain to be handed back it does not necessarily have to be handed back in this financial year it is something to be phased in the future.

The Chief Executive stated that the majority of the watercourses the Board maintain are in a fair to good condition. He believed it is unlikely there is going to be a lot of expenditure involved because the condition it is in after a summer cut, which is within normal duties, is suitable to hand over.

Mr Leggott asked whoever it is who negotiates with these ratepayers' /landowners and they could ask for different things to be done before they are willing to take riparian ownership of them; where do we stand do we have a set formula. The Chairman responded if it is part of the normal cutting maintenance programme on that drain and if it was desilted two years ago it cannot be desilted again. If it was desilted 15 years ago then the landowner may have the right to say could it be de-silted before its handed back.

Mr Leggott asked does the Operations Manager have delegated powers to move in that direction as saying ok we accept this needs a bit more than dyke (a) or (b) there will be different agreement for taking it back. The Chairman responded that there can be no one set formula for agreement. Adding that if the Operations Manager comes up against a problem, then he will have to report it back to the relevant Works Committee. Mr Leggott concluded there are different scenarios of transfers back as long as they can be accommodated within our budgets then he would be willing to recommend.

The Operations Manager replied by saying that if he visits site and throughout the conversation he cannot agree the terms that are offered then he will have to bring it back to the Works Committee.

The Chief Executive stated that this Committee would permit within those terms of agreement that if it is the de-silting and bushing issues, arguably that is the only issue that there could be. The Board will implement this drain within the next three years within our normal desilting programme and then once it had been desilted to hand it back to riparian ownership.

The Chairman stated that as a Committee we can give the Operations Manager the powers to use his own discretion on each individual drain with those guidelines.

The Operations Manager suggested that the decision can be agreed in year, if it is within budget likewise if outside the budget it would have to be agreed and that may be one or two years in the future.

The Chairman explained that when this was proposed there were no fixed timescales and being realistic it was always going to be a ten-year programme because there will be a first stage of green lights and then we will address the amber lights and so on.

The Chairman asked Members for any local knowledge of any other dykes that might be in the same situation this can be passed to the Chief Executive.

The Operations Manager presented the Inspection of Works:

(a) Drain 10/4 Labour In Vain Drain, East Heckington

The Operations Manager stated that during the tour today, he was looking for directive from this Committee regarding the identified drains/dykes and which of these specific sites warrant further investigation for the Board to, in the future, not continue to maintain and relinquish responsibility to the landowner.

The Operations Manager added from an overview of the whole catchment the Officers have identified 75km therefore these presented today are only a small percentage of what has been identified.

The Operations Manager started on page 5 and asked Members for their directive on Drain 10/4 Labour In Vain Drain towards East Heckington. Members agreed GREEN.

(b) Drain 10/15 Northland Dike

The Operations Manager asked Members their directive on Drain 10/15 Northland Dike. Members agreed GREEN.

(c) Drain 10/17 & 10/10 Old Forty Foot, near Willow Farm

Mr R Needham commented on Drain 10/17 Old Forty Foot towards Willow Farm. He was concerned about the fact that there is about 90 acres of land which is drained through Drain 10/17 and if that was to be "given up" then there would be an issue regarding the neighbours cleansing that drain.

The Chairman clarified that this would be a RED.

Mr Needham then commented on Drain 10/10 Old Forty Foot and talking to Mr M Mountain during the tour that is actually quite a deep drain and Mr Mountain made the point and he believes it is a valid point, that in the future he has not got the machinery to actually clean that drain.

The Chief Executive extended on the conversation with Mr M Mountain stating that Mr Mountain had invited suitable contractors to look at the drain and they did not have large enough equipment either so that would be a concern if it was given up and there is a significant relevance about that watercourse because of its profile size.

Mr Needham asked could it be considered that from a cutting point of view it is maintained by the landowner with a view in 5 or 10 years' time then if the bottom needed doing out the Board carried out the works giving the Board an indirect cost saving.

The Chief Executive felt that this watercourse should be left for a future discussion in 2/3 years' time. Members agreed an AMBER.



(d) Drain 8/8 Manor Farm

The Operations Manager asked Members for their directive on Drain 8/8 branch north towards Manor Farm approximately 805m. A question was raised about ownership of the footbridge, the Operations Manager responded the Board do not have and would not use a footbridge. The Chief Executive clarified that it is unconsented and if it were to cause a problem it would be removed. Members agreed GREEN.

(e) Drain 8/3 Ewerby Catchwater Drain

Mr N Scott declared an interest.

The Operations Manager asked Members for their directive on Drain 8/3 Ewerby Catchwater drain approximately 391m. Members agreed GREEN.

Mr K Casswell concluded that Mr N Scott made a point on the tour about another dyke in that vicinity where water does not get away from and which was given up quite a few years ago. He further explained that the neighbours have a riparian duty.

The Chairman clarified that within the Land Drainage Act the IDBs have powers to approach landowners who do not maintained riparian drains if it is causing a nuisance. The Chief Executive added that if there is a specific nuisance, landowners can approach the Board and the Board can enforce said landowner to carry out his riparian duties.

(f) Drain 8/10 Branch North to South Kyme

The Operations Manager stated this is for information for this Committee around future jetting and camera survey works there were points of interest on the tour. The Board have a budget set aside for 2018/19 when some of these will be included on a programme for the Northern Works area.

(g) Drain 14/2 South Kyme Old Pump Drain

Mr D Casswell declared an interest.

The Operations Manager asked Members for their directive on Drain 8/8 branch north towards Manor Farm approximately 400m.

Mr D Casswell pointed out that he has similar issues regarding the depth of this drain for maintaining which would cause problems for agricultural machinery.

Mr Rollinson added that when viewed on the tour this section looked like it required de-silting.

The Chairman acknowledged that we will come up against this more and more that the landowner although willing do not have the machinery to maintain these types of dykes. The Finance Manager pointed out that this could be why the Board took them over in the first place.



Mr Fowler believed this could have been taken on due to the site of the Old South Kyme pump. The Operations Manager then added that with the reconfiguration of the flow it remains as it was until discussed in detail today.

Members agreed AMBER.

(h) Drain 9/7 Sidebar Lane Drain

The Operations Manager stated this outlines future works around CCTV.

(i) Drain 10/9 Branch North to A17 and Garwick

The Chief Executive stated during the tour he saw some alarming views of what was thought to be a maintained watercourse on the opposite side of the road and it was not.

The Operations Manager reiterated that this branch North to A17 and Garwick will be programmed for CCTV works in the future.

(j) Pipelines around Bicker

The Operations Manager stated on page 23, this is for Members information, future programmed works for CCTV and camera investigations.

The Chairman believes that Fen Dyke Lane was proposed to be given up but he thinks it supports three landowners and LCC Highways would have an involvement in the roadside drain along Fen Dyke Lane. Members felt RED.

The Operations Manager explained that future programmed pipe surveying works were discussed at the last Board meeting and the Members were asked for a way forward. He stated that the cost of the CCTV works is around £1,500 to £1,700 per day there are approximately 90km of pipe to be surveyed therefore he proposes to look at a programme of either 10 or 5 yearly depending on how much can be completed over that period.

(k) Clay Dike Cleansing & Holland Fen Pumping Station

The Operations Manager stated that during the tour we looked at the desilting works currently being undertaken which is a project to desilt the Clay Dike from Holland Fen Pumping Station back up to the Gill Syke approximately 5km this is programmed every 9/10 years, the last time the Clay Dike was desilted was 2008. He confirmed that so far between 400/600mm of silt has been removed which is a worthwhile process.

(l) Drain 5/46 East branch along South side of Beck Bank

The Operations Manager asked Members for their directive on three sections of drain, which are very close together off Frampton Bank.

The Chairman asked how would it affect the Board to give up roadside drains, does the Board have an obligation to offer conveyance to LCC Highways water;

The Chief Executive responded that the Officers would contact Lincolnshire County Council Highways and go through a process, yet to be defined, and the Officers would certainly inform them.

Members agreed GREEN for the Central Section on Drain 5/46.

Mr Rollinson asked could this create problems for the Board if the landowner could argue it is not his water and there are two interested parties involved ie Highways. Mr Welberry informed Members that there is no water coming from the road into those dykes. The Operations Manager stated that if the other interest party was LCC Highways then they will be informed.

Cllr Brookes stated LCC Highways have the right to connect into any roadside watercourse whoever owns it.

(m) Drain 5/45 East connecting drain from Old Hammond Beck to Kirton Drain

The Operations Manager asked Members for their directive on Drain 5/45 East connecting drain from Old Hammond Beck to Kirton Drain approximately 1,055m. Members agreed GREEN.

(n) Drain 5/43 Branch South from Old Hammond Beck along Holmes Lane

The Operations Manager asked Members for their directive on Drain 5/43 South from Old Hammond Beck along Homes Lane approximately 440m. Members agreed GREEN.

(o) Pipelines around Swineshead

The Operations Manager stated that pages 30 & 31 are for Members information as points of interest on the tour today. Some of the piped watercourse sections which the Board maintain and are responsible for, this shows the data the Board holds on each of these particular sections. These will be on a priority based programme for future inspections.

(p) Mackey's Pit, Swineshead – Cleansing Works

The Operations Manager showed Members some public relation work completed on Mackey's Pit, Swineshead. The Board assisted on the cleansing works and he showed a number of photographs.

Cllr Brookes added that there are some additional works required ie the rock armour and fishing platforms.

(q) Proposed diversion of Drain 7/8

The Operations Manager stated this proposed development on pages 34 & 35 had been viewed during a previous Inspection tour. Both the Chairman and the Operations Manager had met with the previous developers to discuss the Boards requirement to gain access to maintain the drain along the Southern edge of this site.

Boston Borough Council as part of the planning application will not allow access for machinery from Horseshoe Lane therefore there is a proposal that the Board could possibly create a new piped section as detailed on the map. An estimated cost will be in excess of c£15,000 as part of any agreement the Board would like a contribution towards the cost of diverting this existing watercourse from the developer.

The Operations Manager added that the existing pipeline which goes under the road is not in great condition and where it outfalls into the open drain from the piped section it is visibly in poor condition and is deteriorating quite badly. He explained that this could be the condition of the entire piped section which would mean either lining it, if it is suitable to be lined or replaced. If this were to be investigated for the possibility of redirecting this watercourse it would take away a future problem.

Mr K Casswell asked if the existing pipeline was up to taking the quantity of water from this site. The Operations Manager responded this is a very low lying wetland and it is continually wet and this pipeline is 2/3rds full for the majority of its life so we know there is going to be a cost to the Board but this will potentially be a solution to take away a problem and redirect the flows.

The Finance Manager asked if the site had SUDS, or was there additional water to come off the site. The Chief Executive did not believe there would be additional water.

Mr Welberry asked how many houses were planned on this site; the Chairman responded they started with eight and now he thought more, this site has been up for a proposal on more than one occasion and always seems to have fallen by the wayside as it is very low lying land.

The Chief Executive proposed the Officers develop the red & purple dotted line as a scheme (map on page 34) and check the levels, develop the costings with a view to putting this in a scheme budget for 2018/19. He added the Operations Manager should approach the developer for said contribution at the same time informing landowners the Board will be giving up the culvert between Lowlands and Kelsey and the stretch of watercourse which is hand roded inside this property boundary.

The Chairman believed that the Board could not give up the culvert between Lowlands and Kelsey; the Chief Executive stated the water will be taken from the south side of Skeldyke Road therefore not going through Kelsey.

Mr Rollinson asked what contribution would this scheme be looking for, the Chief Executive responded that he had initially asked for £10,000 which stopped the previous developer from moving forward, now there is another developer taken over the site and they are not aware yet of this contribution. Members AGREED.

(r) Ewerby Pumping Station access road plus other roadways accessing Pumping Stations

The Chairman stated that one of the proposals was to meet with the landowner to offer a load of crushed limestone or whatever he would want to top the road and spread at will. At Ewerby Pumping Station we are dealing with a single landowner but other Pumping Station roadways are used by more than one landowner. The Officers are seeking guidance and direction regarding other roadways accessing Boards Pumping Stations, as every road is different and looked upon on its own merit.

The Chief Executive acknowledged that it could be a simplistic approach to offer the landowner an amount of stone ie 50mm down, or whatever material, as a contribution by the Board to maintain these access roadways in a shared maintenance approach. He explained that all of these access roadways are bespoke and everyone is used by different equipment at different frequencies.

Mr J Pocklington believes that any landowner would want to help the Board as you are taking the water away and if you cannot get to the pumping station then it's going to affect them.

Cllr M Cooper queried what would be an acceptable standard for the road which is a starting point, then work from there; The Chairman responded he accepts what Cllr Cooper is saying. What is acceptable standard for a farmer taking a tractor up and down it is completely different from one of the pump operatives who is taking his car in the dark and probably on a winters night, that is the standard which is required.

The Chief Executive stated we looked at general pumping station maintenance budgets ie 20 ton of aggregate at approximately £25 per ton is £500 and take a load and explain to said landowner that the Board would expect to get 12 months use out of it and report back on how it is working and at what cost.

Mr Leggott agreed that this is an excellent idea with one problem we don't know what the landowner wants on that roadway, the Chairman responded we can negotiate with the landowner to have aggregate in whatever form ie crushed limestone, 50mm down or hardcore. Members AGREED.

1092 REPORT ON RAINFALL - Agenda Item 5

The rainfall figures at Swineshead were presented, copies of which had been circulated.

There being no other business the meeting closed at 16:55pm.

## BLACK SLUICE INTERNAL DRAINAGE BOARD

### MINUTES

of the proceedings of a Meeting of the  
Southern Works Committee

held at the offices of the Board  
22<sup>nd</sup> March 2017 at 15:30

#### Members

Chairman - \* Mr M Rollinson

* Mr W Ash	* Mr J F Atkinson
* Mr V A Barker	* Mr K C Casswell
* Mr J Casswell	Cllr R Clark
* Mr R Dorrington	Mr C Dring
Mr A Mair	* Mr M Mowbray
* Mr M E Richardson	Cllr B Russell
* Mr C Wray	Mr J R Wray
	(* Member Present)

In attendance at the meeting:

Mr I M Warsap (Chief Executive)  
Mr P Nicholson (Operations Manager)  
Mr D Withnall (Finance Manager)  
Mr P Holmes (Chairman Northern Works Committee)  
Cllr P Bedford (Board Member)  
Cllr M Brookes (Board Member)

Additional attendees on Inspection:

Mr P Craven (Guest)  
Mr N Morris (Guest - Welland & Deepings IDB)

#### 1093 APOLOGIES FOR ABSENCE - Agenda Item 1

Apologies were received from Cllr R Clark, Mr C Dring, Mr J Fowler, Mr A Mair, Cllr B Russell and Mr J R Wray.

#### 1094 DECLARATIONS OF INTEREST - Agenda Item 2

##### (a) Drain 2/17 Northwest from Eaudike Road to Long Oliver's Road

A declaration of interest was received from Mr J Casswell with regard to Minute 1097(a).

##### (b) Drain 2/4 Southside of North Ing Drove

A declaration of interest was received from Mr C Wray with regard to Minute 1097(c).

(c) Drain 2/22 Southeast from Wykes Drain to Washdike Farm

A declaration of interest was received from Mr J Casswell with regard to Minute 1097(p).

1095 MINUTES OF LAST MEETING - Agenda Item 3

The Minutes of the last meeting regarding the Southern Works Committee at the Joint Works Committee held on 12<sup>th</sup> October 2016 copies of which had been circulated were considered and it was agreed the Minutes should be jointly signed as a true record.

1096 MATTERS ARISING - Agenda Item 4

(a) Apologies for Absence - Minute 1018

Mr J Atkinson remarked on the attendance which could be due to the timing on a very busy farming calendar and guessing that other Members probably have the same problem, he asked would it be advisable to move the meeting date.

The Chief Executive responded that Mr Atkinson is referring to the Joint Works Committee October meeting; it was also discussed about the timing of today's meeting and obviously the Northern Works. He asked when is a good time and obviously now is the time to discuss this – Mr Atkinson suggested a late February meeting and pushing the joint meeting in to November. The Chief Executive presented on the screens the programme for 2018 stating that the meeting is programmed for the 28<sup>th</sup> February and Joint Works on the 3<sup>rd</sup> October 2018.

The Finance Manager reminded Members that last year it was agreed that they would have Northern Works then Southern Works one year and then swap them around the following year.

Members agreed to leave the Southern Works on the 28<sup>th</sup> February 2018 and the Northern Works to swap with the Structures Committee on the 11<sup>th</sup> April 2018. The Joint Works meeting to be on the 8<sup>th</sup> November 2017 and move the Board meeting to 29<sup>th</sup> November 2017.

(b) Drain Maintenance Alternate Banks - Minute 1022(r)

Mr Barker asked was there a programme for alternate banks cuts, some of these drain bank sides could be done now before these bushes get bigger. He believes that not enough of the alternate banks works are being done.

The Chief Executive responded that he understands what Mr Barker is saying and added that the Officers have increased works over the last two years with regard to alternate bank cut works which have been identified. He explained that it is often easier for the Operators to cut off one bank, the Officers have challenged them and it can happen using machinery with extension arms which can reach and cut the other side of the bank.

The Chief Executive then clarified that Mr Barker is clearly suggesting for further debate that the Operations Manager actively pursue alternate bank cuts as much as we can for reasons stated. Mr Barker – yes.

Mr Barker then added it would be beneficial for the alternate bank to be done one in four years especially whilst the machines are not busy before nesting.

Mr C Wray added he would agree with Mr Barker that the trees are growing in some of the banks which could easily be accessed on the other side just as feasibly the hedges.

The Chief Executive reminded Members from the Boards account management process the Officers review the remaining budget expenditure at this time of year. It is feasible if not cutting that some of these alternate banks could be done but currently within the works programme other works are being carried out. The Officers, in the future, are looking at completing some culverting works in the Summer which have historically been done at this time of the year because of land access and dryer drains, all these options can be explored by the Operations Manager for future programme works.

The Chairman added that ratepayers are concerned about the growth of hedges which has been pointed out to the Officers.

Mr Barker stated bushing should be kept under control on the opposite bank out of season.

Mr Ash suggested that the workmen drivers report lots of things and this could be another item by informing Officers of overgrowth on the opposite banks.

Mr C Wray stated some trees are getting to the size of a wrist and they were not there 6 years ago which will ultimately cost to remove; the Chief Executive asked at some point in the past that bank has been flailed. Mr C Wray responded that historically at some point that bank would have been flailed but now it is over grown and concluded that it can be easily accessed.

The Chief Executive stated that we have 1,000 miles of banks and there are still some banks the machines cannot access because of open drains with no culvert access crossing routes. Some drains the Board physically cannot gain entry or there is an obstruction ie there are woods which the Board own at Bourne that block passage to maintain watercourses. He concluded that these comments will be taken on board and the Officers will review.

Mr Barker pointed out that over many years there were hand gangs who worked both sides of the bank. When the Board moved on but too quickly, and left these alternate banks behind and this is what we need to review.



The Operations Manager stated that there needs to be an acceptance from the Members of what's been done in the past and now. There are designated routes to cut trees and where we have a route that is not the easiest ie we need to go on the other side it is because it is generally cropped at that time of year; yes we could change our programmes and look to go at a different time of year. Obviously, the ideal time of year is when we need to be everywhere. It is about looking at the biggest problem areas first and trying to tick these off and then develop and look at future budgets. Ultimately, it is going to cost more money to do that.

Mr Barker responded there has been a savings in the budget whilst not using gangs in the past and these savings should be put towards doing some of the banks where there are bushes.

The Finance Manager pointed out that those savings are not realised savings, had the Board been putting up the drainage rate at the rate of inflation then we may have had surplus cash but the Board have not. The Board has quite a balanced budget, and there may be a surplus this year but there is no extra cash in the budget to be able to do these works, it would have to be at the compromise of something else.

(c) Dowsby Lode - Minute 1022

Mr Barker asked about the maintenance works at Dowsby Lode as nothing seems to have happened, when was work due to be done. The Operations Manager responded it is still on the list for future works, the query is how to progress on the survey results.

Mr J Atkinson asked if it had been decided which bank to work from. The Operations Manager responded that following the discussions with Mr Atkinson, Officers have looked onsite regarding the query of what is the bank there for and what purpose does it serve. Mr Atkinson concluded that the bank is in a very bad condition in places.

1097 TO RECEIVE THE INSPECTION WORKS BROCHURE - Agenda Item 5

The Operations Manager presented his Inspection of Works:

(a) Drain 2/17 branch Northwest from Eaudike Road to Long Oliver's Road

Mr J Casswell declared an interest in this item.

The Chairman explained that a desktop exercise has been completed to indicate potential sections of watercourses either which serves only one landowner or where it is not in the interest of the Board to carry on maintaining including end runs and short lengths. This was discussed at the Northern Works Committee meeting, it was suggested that if there were 'easy wins' and it is viable for the landowner to maintain it and the landowner has no objection the Board would like to give it up.

The Finance Manager placed on the screen the draft minutes from the Northern Works Committee.

The Operations Manager outlined we have highlighted along all of the catchments some of the drains that the Officers believe no longer require Board maintenance. Going forward we have found at the Northern Works Committee meeting some watercourses found to be potentially given up but for various reasons did not get a green light.

RED – would not be progressed any further  
AMBER – potential for further investigation  
GREEN – first ones to be progressed

The Chairman informed Members that if we all agree that the reasons given, then the Operations Manager will arrange further discussions with the landowners to hand them over.

The Chairman added that the Board spends £700,000 on maintaining 755 km of watercourses.

The Operations Manager stated that the Board is potentially taking on 18 km of main rivers that the EA are looking to de-main, this is not an exercise we are looking to do specifically for this reason but something we are doing all the time. The Officers are looking at sections the Board does not need to maintain in the future but obviously this has focused this exercise more in order to recover some of the budget spend that the Board will require to maintain these de-mained EA main rivers approximately 18km.

Mr J Casswell asked if a field is sold and then comes back to two ratepayers where there was only one previously what is the situation with that.

The Chief Executive responded the one landowner or serving one landowner is from the 1991 Drainage Act and really don't want to get hung up about that we can have some drains serving one landowner that are vitally important to the catchment but it's a terminology we want to put to one side. We are looking for three green lights;

GREEN light - if the Officers believe that there is no real merit to this drainage board to maintain this watercourse

GREEN light - for the Operations Manager to approach that landowner or landowners to say "there is no real merit what is your thoughts in being given up in decent condition handed back to you and if the landowner / landowners are in agreement

GREEN light - there is no objection from the Works Committee and thence the Board

The Chief Executive added that once we commence this it will be a roll on programme year on year and initially approach the 'easy wins'.

In some cases, the Officers have been approached by landowners asking the Board to stop maintaining drains for various reasons so that's the reverse scenario. It was highlighted at the Northern Works Committee meeting there may be some explanation as to why this drain should not be given up and it is given an AMBER which is to further investigate and put back a couple of years.

The Chief Executive clarified that there is no quick fix. These various drains are top ends, small drains, insignificant drains, drains that arguably should never have been maintained or adopted by the drainage board for numerous reasons because of the low priority but what we have realised is every single one is different and we cannot have a simplistic approach to them. He pointed out that some of these drains are deep and large and the landowners or contractors contacted did not have equipment large enough to maintain them therefore at the Northern Works Committee meeting were given a RED and we will continue to maintain them because the Board has the specialist machinery.

The Chief Executive outlined the discussion at the Northern Works Committee meeting of how best do Officers move forward and they agreed this was the best way using the traffic light system. It does not move forward until it receives three green lights once again the Officers, the landowner and the Committees, any form of AMBER or RED it is immediately put back for a year or two or not progressed at all.

The Chief Executive stated that the Officers are trying to recover or within the Boards own budgets as much expenditure as possible on drains we do not want to be maintaining because we are going to be handed the drains de-mained from the EA. The EA class these drains as low consequence main rivers but to the Board they are quite important so the Officers are having to find our lowest consequence watercourses to give those up.

The Chief Executive concluded by saying that if there were unlimited funds the Officers would not have to review this but we are not in that position. He also mentioned that he had been asked "if handing back a length of watercourse would this mean a reduction in their drainage rates", unfortunately it does not work like that.

The Chairman asked Members if they have any comments about these drains as we progress through the brochure please raise any points to consider.

The Operations Manager asked Members for their directive on Drain 2/17 branch northwest from Eaudike Road to Long Oliver's Road approximately 377m.

Mr Rollinson responded by confirming that it is a neighbour's drain and falls into the category that he does not have the equipment to be able to maintain this drain as it is a big drain.

The Members agreed AMBER for review in a few years' time.

Mr Ash asked about the Armco pipe in this drain and if you were to give it up would you repair it before and would there be an agreement in place.

Mr Holmes responded we would not repair in normal everyday usage anyway if we were not using it why would we repair it. Mr Ash concluded that yes the usage point.

The Chief Executive pointed out that the ownership of drains is often the difficultly and if it is used as an access to gain entry to land we would not be looking to renew it ourselves unless it was within our Structures Replacement policy.

(b) Drain 16/2 branch to North from Engine Drove

The Chairman asked Members for their directive on Drain 16/2 branch to the north from Engine Drove approximately 423m.

Mr D Casswell asked when the board is giving up does that mean the maintenance of the culvert particularly one under a highway.

The Chief Executive responded that any culverts under highways are under the responsibility of Lincolnshire Highways. If there is a culvert on the stretch of drain being given up then it does mean that the culvert will be given up also.

The Chairman felt that without any pictures or inspecting these drains outlined in the brochure nothing further could be done.

The Chief Executive acknowledged that in future photographs could be taken to present to the relevant Committee.

(c) Drain 2/4 Southside of North Ing Drove

Mr C Wray declared an interest in this item.

The Chairman asked Members for their directive on Drain 2/4 Southside of North Ing Drove approximately 325m.

Mr C Wray stated that he could not see any way this would be beneficial for him to take back this drain, he does not have a flail and therefore cannot maintain it.

The Chairman asked do other landowners drain into that dyke; Mr Wray responded that the Board would have better ideas regarding flows. The dyke on the top 3/14 is a main drain which runs back to the forty foot, the bottom one drain 2/3 runs into the forty foot as well, the middle drain 2/4 not sure which way the flows go, it can depend on the levels.

Mr K C Casswell suggested that the Operations Manager visit site and identify where the water does flow from and to.

Mr Wray stated that other interested parties would include National Grid who are building a substation near to this drain.

Members agreed AMBER for this drain.

Mr Holmes explained that when this was discussed at the Northern Works Committee meeting that a green light from the landowner was the last green light so really do we need to look at these now or do we want to be bringing them to Works Committees having had the Operations team gone out to the landowners and if we get an AMBER or RED we don't need to bring it to the Works Committees.

The Chairman confirmed these should be put to the landowners before the Works Committees.

The Chief Executive confirmed this document is a green light from the Officers, the Operations Manager now needs to talk to the landowners and only come back to the relevant Committee if we have two green lights.

(d) Drain 1/5 main outfall drain

The Chairman asked Members for their directive on Drain 1/5 main outfall drain approximately 145m. There was no comment so it was left for further investigation.

(e) Drain 1/7 Mallard Drove South

The Chairman asked Members for their directive on Drain 1/7 Mallard Drove South approximately 81m. There was no comment so it was left for further investigation.

(f) Donington North Ings Pumping Station

The Chairman then presented the weed screen cleaner at Donington North Ings Pumping Station.

The Operation Manager reported that the weed screen cleaner is at the end of its life and needs replacing. There is a budget in 2018/19 for £90,000 with an estimated replacement cost of £85,000. He requested agreement from this Committee that they proceed with this.

It was proposed by Mr J Atkinson and seconded by Mr V Barker and all AGREED.

(g) Drain 19/4 branch to North from Billingborough Pump Drain

The Chairman asked Members for their directive on Drain 19/4 branch to North from Billingborough Pump Drain approximately 628m. There was no comment so it was left for further investigation.

(h) Drain 31/4 Old Ouse Mere Lode – East from Hammond Beck

The Chairman asked Members for their directive on Drain 31/4 Old Ouse Mere Lode East from Hammond Beck approximately 529m. There was no comment so it was left for further investigation.

(i) Drain 31/5 North branch South from Old Ouse Mere Lode

The Chairman asked Members for their directive on Drain 31/5 North branch South from Old Ouse Mere Lode approximately 479m.

Mr K C Casswell stated he is unsure of the flows and direction of the flow and stated there is a tunnel under the road. The Operations Manager does not believe there is a connection under the road and hence why there seems to be two sections of drain.

Mr Casswell confirmed it belongs to two landowners and the dyke is very small. The Members agreed AMBER.

(j) Drain 31/5 South branch North from Ten Foot Drain

The Chairman asked Members for their directive on Drain 31/5 branch North from Ten Foot Drain approximately 474m. There was no comment so it was left for further investigation.

(k) Drain 31/1 Ten Foot Drain - Quadring Pump Drain

The Chairman stated that this was viewed on the tour and it can be maintained due to its small size.

Mr Barker pointed out that this dyke goes into a tunnel and suggested there should be a weed screen in front to protect the culvert drain as it does not want to get blocked in front of the properties which would cause additional works.

The Chairman asked does the Board usually put a weed screen up, does that not increase the risk of it daming up. Should the landowner keep the pipe end clear to drain his water.

Members agreed GREEN.

(l) Billingborough Pumping Station

The Operations Manager stated we had a budget outlined for a replacement roof for Mallard Hurn Pumping Station. Billingborough has

become more of a priority to be replaced. He requested an agreement from this Committee that £10,000 be put towards Billingborough roof replacement in 2018/19 budget. The Chief Executive asked if the budget was correctly stated, was it 2017/18.

Proposed by Mr Ash and seconded Mr P Holmes all AGREED.

(m) South Forty Foot Drain De-silting Scheme

The Operations Manager presented a map and location sites for the proposed lagoon sites and explained to Members that the Officers were required to find 30 acres of lagoon sites equally placed in three sites to use for the silt deposits.

(n) Drain 22/9 Ten Foot Drain West from fifth connecting drain to Fifth Drive

The Chairman asked Members for their directive on Drain 22/9 entire length west from fifth connecting drain to Fifth Drive approximately 222m.

Mr Barker stated that the discharge flow is from the west side of the road from the property into the drain beside the property, many years ago all the drains along that side belonged to Black Sluice and all were given up except that one on the request of a landowner. Two of those piped culverts carry Anglian Water pipes.

The Operations Manager responded that they were only aware of one pipe. He clarified that it is a difficult section to maintain and the Officers believe it is a GREEN light. The Chief Executive concluded it be taken back to the landowners for discussion.

(o) Slip in Drain 28/6 Twenty Pumping Station

The Operations Manager showed pictures of the large slip caused by an Anglian Water burst main.

The Operations Manager stated the burst was on the opposite side of the road and the force of water coming across the road found a weak point in the bank and caused a slip. The workmen have been to repair and the costs will be recovered from Anglian Water.

Mr M Richardson confirmed the burst was in the road, the road is higher than the field of which 2 acres were flooded.

(p) Drain 2/22 branch Southeast from Wykes Drain to Washdike Farm

The Chairman asked Members for their directive on Drain 2/22 upstream end of branch Southeast from Wykes Drain to Washdike Farm approximately 554m.

Mr J Casswell declared an interest.



Mr J Casswell reiterated that he could not see a benefit on taking back this drain. Members AGREED - AMBER.

1098 REPORT ON RAINFALL - Agenda Item 6

The rainfall figures at Black Hole Drove were presented, copies of which had been circulated.

1099 ANY OTHER BUSINESS - Agenda Item 7

(a) ADA Floodex

The Chief Executive reported to Members that he had attended the first ADA Floodex last year which was a very successful two day event. This year Floodex 2017 will be held on the 17<sup>th</sup> & 18<sup>th</sup> May 2017 at Peterborough showground.

The Chief Executive stated he found the company Royal Smals at last year's event and Mud Pump Dredging the company that offered to de-silt Mackeys Pit, Swineshead free of charge on behalf of Swineshead Parish Council. It was a very successful event and the IDBs were very well represented.

He recommended attendance by members would be very beneficial, it is free to park and enter and Members can complete an online pre application.

The Operations Manager added that the large walking digger machine being used in the South Forty Foot drain was also found by a contact made at last years Floodex it is a worthwhile event.

Mr Barker asked if the visit to view the Royal Smals pumping could coincide with the Board meeting. The Chief Executive responded it would be too much to complete in one day.

Mr Barker suggested full utilisation of the publicity, maybe Look North. The Chief Executive responded the events will probably be in May and July. The Officers will invite press and advertise to encourage attendance plus anybody else that is interested in the industry. It will be promoted as much as we can from the Boards point of view, the vision the Board has and the success because of the dramatically reduced costs to what it would have cost we know it is going to be successful.

He stated that this will be the first time Royal Smals dredger machine has cut open silt in British waters so Royal Smals are extremely enthusiastic to promote this for their company. A month ago there were 22 of their machines frozen in water in Germany. It is the way silt removal on the continent is done not many dragline hydraulic digging operations anymore this is the way they go forward. On "you tube" under Royal Smals there are some very interesting videos for all to view.

The Chief Executive stated that Royal Smals want to keep this machine in the UK, they have been visiting Scotland to try and negotiate a contract to keep the machine in the UK. The Board is paying £45,000 mobilisation charge to bring the kit from Holland to here and this will benefit the next contractor who uses it as the mobilisation fee will be between £5,000 to £10,000.

There being no further business the meeting closed at 16:25.

**BLACK SLUICE INTERNAL DRAINAGE BOARD**

**JOINT WORKS COMMITTEE MEETING - 8<sup>th</sup> NOVEMBER 2017**

**AGENDA ITEM No 7**

**ENGINEER'S REPORT**

**1. CAPITAL ASSET IMPROVEMENTS**

**1.1 2017/18 Defra/EA Funded Grant In Aid (GiA) Schemes**

Remaining GiA Scheme works to be completed this financial year:

- (a) Donington Malting Lane pipeline replacement £60,500 (2016/17 GiA received, work planned to be completed this financial year).
- (b) Kirton Meeres culvert replacement/relining £39,500 (2016/17 GiA received, work planned to be completed this financial year).
- (c) Damford Grounds PS Resilience, insufficient benefits realised for GiA funding, initial assessment completed by EA framework consultants, scheme removed from programme.
- (d) Helpringham Fen PS weedscreen cleaner, insufficient benefits realised for GiA funding, initial assessment completed by EA framework consultants, scheme removed from programme.

**1.2 2017/18 Board Funded Capital Schemes**

Remaining Capital Scheme works to be completed this financial year:

- (a) Swaton Bank Stability £8,000. (Original budget £18,000. £10,000 proposed to facilitate local levy funding for NFF and Sempringham GiA scheme approval).
- (b) Scredington Beck improvements £10,000. (Original budget £50,000. £40,000 proposed to facilitate local levy funding for NFF and Sempringham GiA scheme approval).
- (c) Gosberton PS refurbish weedscreen cleaner £40,000 (estimate).
- (d) Billingborough PS new roof £11,000 (estimate)
- (e) South Kyme PS replacement control panel £32,000 (estimate)
- (f) Graft Drain improvements £5,000 (original budget £25,000) (£20,000 proposed to move into 2018/19)

### 1.3 Proposed Works 2018/19

Please refer to the Capital Scheme Budget on page 30.

#### (a) Defra/EA Granted Schemes

- (i) North Forty Foot cleansing/revetment & Langrick Road pipeline, lining/replacement works, total scheme value is £450,000 being built up as follows: -

£81,000 GiA  
£70,000 Board contribution  
£299,000 Local Levy support

A full Business Case is now being completed for final approval.

- (ii) Sempringham Fen weedscreen cleaner/pumping station refurbishment, total scheme value is £180,500 being built up as follows: -

£43,000 GiA  
£27,500 Board contribution  
£110,000 Local Levy support

A full Business Case is now being completed for final approval, this scheme has been re-profiled from 2015/16.

#### (b) Board Funded Capital Schemes

- (i) Jetting to Major pipelines £55,000 (programme for works to be agreed).
- (ii) General culvert replacement £68,200, all based on current survey information:

- No 1684 Donington Northing - 12m x 1.5m £16,000 (estimate) full contribution
- No 1253 Horbling Fen - 40m x 0.6m - £8,000 (estimate)C
- No 1283 Aslackby Fen - 12m x 0.6m - £5,000 (estimate)C
- No 755 South Kyme - 12m x 0.9m - £7,000 (estimate)C
- No 1959 Gosberton - 15m x 1.2m - £14,000 (estimate) full contribution
- No 604 Hacconby Fen - 12m x 1.5m - £18,200 (estimate) full contribution

- (iii) Culvert No 604 Hacconby Fen:

I have met with the landowner onsite and discussed the condition of this culvert. It is a brick arch structure c1.8m diameter, providing access across a Board maintained Drain No 27/1 to Bakers Farm.

A record from the Board's minutes (Division No 3 Works Committee, 14<sup>th</sup> August 1941) stating that when the Board took over the jurisdiction of the Hacconby Fen Drain it inherited responsibility for the access bridges due to an agreement by the Board's predecessors with Lord Aveland in 1887.

Two, possibly original, brick bridges remain the others have either been rebuilt (and widened), removed or relocated by the Board following grant aided improvements to the drain.

The structure has had repairs completed to the headwall and also at some stage the concrete extended to provide improved access from the Fen Road for large articulated agricultural and HGV access, which appears to have an insufficient base. This has only contributed to the poor condition which the culvert is currently in. The actual brick arch appears to be in fairly good condition, but as suggested to the landowner the costs to repair the headwalls and replace with new concrete access road would only provide a fairly short term solution and not provide a suitable access for large vehicles to cross.

From the records held it would appear that this culvert is the responsibility of the Board.

The estimated cost to the Board to replace this structure with 12m x 1.5m diameter twin wall plastic pipe to Board's current specification is £18,200 (estimated).

- (iv) Graft Drain improvements £20,000 (rolled over from 2017/18), continuation of previous works.

(b) Pumping Station Schemes

- (i) Donington Northings PS replace weedscreen cleaner £90,000 (estimate)
- (ii) Mallard Hurn PS replacement roof £10,000 (estimate)

**2. DRAIN MAINTENANCE**

(a) Annual Summer Flailmowing/Cutting

The summer flail mowing and cutting commenced with the flail mowers on 17<sup>th</sup> July, and the cutting on 24<sup>th</sup> July. A sixth 13 ton excavator operating one of the Boards 4m cutting baskets has been hired in for thirteen 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 CAT130) 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£33k) & Mayflower (c£11.5k) Hand Roding contract works have been completed. All the Board hand roding watercourses are currently being 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 2017/18 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.

This has been a success, (although this year the updates haven't been made due to the vacant GiS position), 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 encourage to agree to the Boards equipment travelling through their crops whereby the Board agree crop loss compensation 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 September 2017 for the works to be undertaken throughout November to April 2018. With this amount of 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 being 52 km.

The total length of watercourses cleansed over the 2017/18 season was c63km, 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.

(f) Proposed Alternative Works Program

It is proposed that the following program for future programmed works be used, commencing 2018/19.

- July – December                      Summer Cutting  
    To include Environment Agency PSCA works
- December – April                      Maintenance/Desilting  
    To include GiA schemes
- April – July                              General Construction Works

(g) Proposed Revised Summer Cutting Maintenance Program

To be presented at the meeting.

**3. PUMPING STATION MAINTENANCE**

At the end of September (Period 6) the budget for maintenance works is £151,555 with the actual expenditure being £128,548 resulting in a current under spend of £20,739. However, we have not received any electricity bills since April 2017.

**4. EXTERNAL RECOVERABLE WORKS**

Current external recoverable income is £565,968 for rechargeable works compared to £47,572 last year.

**5. HEALTH & SAFETY**

The Board appointed Cope Safety Management as their Health & Safety consultants for a 5-year period ending May 2019.

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

**6. PROPOSED LARGE DEVELOPMENTS & BYELAW MATTERS**

To be presented at the meeting.



## 7. EXTERNAL STUDIES, STRATEGIES & AGREEMENTS

### (a) Boston Barrier

The Transport and Works Act Boston Barrier Public Local Inquiry has concluded with a view to release the report in November 2017.

### (b) Black Sluice Catchment Steering Group

The Steering Group has continued to meet throughout the year to explore ways of attracting the funding levels required to complete maintenance and capital works on main rivers and pumping stations.

### (c) EA/BSIDB Public Sector Collaborative Agreement (PSCA)

Maintenance and additional health and safety bank top cutting orders for EA main river works have continued to be received for works on main river systems within the Board's catchments.

We have continued to have four men trained at the Black Sluice Pumping Station in preparation for a future transfer.

### (d) Water Resource East Black Sluice Case Study Group (WRE)

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 which has been rebranded as the 'South Lincs Water Partnership'.

The TSG consists of several key organisations such as Environment Agency, Anglian Water Services, Natural England, Lincolnshire Wildlife Trust including South Lincolnshire Fens Partnership, Lincolnshire County Council, Greater Lincolnshire LEP, Fens Agricultural Water Group, NFU, UK Irrigation Union, 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 (probably adjacent to the large reservoir)
- a c600 hectare (1,500 acre) reservoir capable of holding c50 million cubic metres of water. That equates to a similar size to Grafton Water or three times the size of Covenham Reservoir (North Lincs)

- the availability of navigation through our catchment (Fens Waterways Link), which in turn will require further locks along the system
- increased benefits to tourism and leisure

(e) Rationalising The Main River Network (RMRN) – De-Maining

This National project is well underway and as one of the five pilot projects taking place around the Country, we have recently completed our three public drop in sessions at Rippingale, Billingborough and Helpringham.

The formal online consultation (gov.uk website) will now go ahead in December and subject to no objections the 'de-maining' and transfer of the main river sections listed at the back of this report will go ahead in July 2018 where agreed and approved.

The seven lengths of main river totalling 27.4Km which includes two bridges and a sluice have a combined transfer value of £83,320 (subject to confirmation).

(f) Black Sluice Pumping Station (Boston) (BSPS) Transfer – Effectiveness Initiative

The BSPS (this does not include the gravitation sluice or the navigation lock) is targeted to be transferred in March/April 2018. A commuted sum (decommissioning costs and three years average maintenance) totalling c£700k has been calculated and will be transferred to BSIDB with the pumping station, no EA staff are included with the transfer.

A confidential Board meeting instruction has been left with the Chief Executive on how to continue negotiation with both the RFCC and EA in relation to obtaining further financial assistance with the transfer.

(g) SFFD Embankment Armouring to 'Low Spots'

The EA have completed a detailed bank top survey along the SFFD and are about to procure the works to 'armour' the lowest bank top locations along the SFFD. This work will not see the low bank top locations raised, they are to be 'armoured' to protect from breaching in high water conditions.

(h) SFFD De-Silting Works

We are in continuous negotiations with EA staff regarding the next phase(s) of works (Neslam Bridge to A52) and beyond. The next phase which is being planned to commence in January/February 2018 requires a third silt lagoon to be constructed at Billingborough (site secured).

Future problems may be encountered identifying suitable silt lagoon locations between the A52 and the A17 due to the proposed Tritton Knoll, Viking Link or Heckington Wind Farm underground routes to the Bicker Sub-Station.

**Black Sluice Internal Drainage Board  
Capital Scheme Budget  
2017/18 to 2026/27**

Year	Type	Scheme	Total	Grant	Re-allocation of Budget for Board Local Levy Grant contribution	Local Levy	Drain	PS	Dev Fund
2017/18	Drain	Swaton Bank Stability	£ 8,000		£ (10,000)		£ 8,000		
	Drain	Scredington Beck Improvements	£ 10,000		£ (40,000)		£ 10,000		
	Pump	Gosberton PS, refurbish weedscreen cleaner	£ 40,000					£ 40,000	
	Pump	Billingborough PS, new roof	£ 11,000					£ 11,000	
	Pump	South Kyme PS, replacement control panel	£ 32,000					£ 32,000	
	Drain	Graft Drain improvements	£ 5,000		£ (2,500)		£ 5,000		
	Drain	Malting Lane, Donington	£ -	£ 60,000					
			£ 106,000	£ 60,000	£ (52,500)	£ -	£ 23,000	£ 83,000	£ -
2018/19	Pump	Donington NI, replace weedscreen cleaner	£ 90,000					£ 90,000	
	Pump	Mallard Hurn PS, new roof	£ 10,000					£ 10,000	
	Drain	Jetting to major pipelines	£ 55,000				£ 55,000		
	Drain	Graft Drain improvements	£ 20,000				£ 20,000		
	Drain	NFF Revetment & Langrick Road pipeline scheme	£ 450,000	£ 81,000	£ 70,000	£ 299,000			
	Drain	Sempringham Fen PS refurbishment	£ 180,500	£ 43,000	£ 27,500	£ 110,000			
	Drain	General Culvert replacement	£ 68,200				£ 68,200		
		£ 873,700	£ 124,000	£ 97,500	£ 409,000	£ 143,200	£ 100,000	£ -	
2019/20	Pump	Great Hale PS, refurbish weedscreen cleaner	£ 35,000					£ 35,000	
	Pump	Dyke Fen PS, replacement control panel	£ 35,000					£ 35,000	
	Pump	Mallard Hurn PS, new roof	£ 10,000					£ 10,000	
	Drain	Dowsby Lode Improvements	£ 10,000		£ (40,000)		£ 50,000		
	Pump	Sempringham PS, new roof	£ 10,000					£ 10,000	
	Drain	Swineshead Bank Improvements	£ 15,000				£ 15,000		
	Drain	Jetting to major pipelines	£ 10,000				£ 10,000		
	Drain	General Culvert replacement	£ 53,484				£ 53,484		
		£ 178,484	£ -	£ (40,000)	£ -	£ 128,484	£ 90,000	£ -	
2020/21	Pump	Wyberton Marsh PS, replace weedscreen cleaner	£ 87,000					£ 87,000	
	Drain	Leaveslake Drove culvert replacement	£ 200,000	£ 200,000					
	Pump	Dyke Fen PS, new roof	£ 13,000					£ 13,000	
	Drain	Bourne Fen Drain Revetment Works	£ 30,000				£ 30,000		
	Drain	SFFD Desilting	£ 60,000				£ 60,000		
	Drain	General Culvert replacement	£ 32,854				£ 32,854		
		£ 422,854	£ 200,000	£ -	£ -	£ 122,854	£ 100,000	£ -	
2021/22	Pump	Chain Bridge PS, refurbish weedscreen cleaner	£ 39,000					£ 39,000	
	Pump	Ewerby PS, replace control panel	£ 36,000					£ 36,000	
	Pump	SFF Pumping Station outfalls	£ 800,000	£ 800,000					
	Pump	Hacconby PS, replace control panel	£ 25,000					£ 25,000	
	Drain	Old Hammond Beck Desilting	£ 50,000				£ 50,000		
	Drain	Lane Dyke Culvert replacement	£ 90,000	£ 90,000					
	Drain	General Culvert replacement	£ 77,311				£ 77,311		
		£ 1,117,311	£ 890,000	£ -	£ -	£ 127,311	£ 100,000	£ -	
2022/23	Pump	Dunsby PS, replacement weedscreen cleaner	£ 80,000					£ 80,000	
	Pump	Horbling PS, new roof	£ 10,000					£ 10,000	
	Pump	Helpringham PS, new roof	£ 10,000					£ 10,000	
	Drain	New Hammond Beck Desilting	£ 50,000				£ 50,000		
	Drain	South Kyme, culvert renewals	£ 80,000	£ 80,000					
	Drain	General Culvert replacement	£ 81,857				£ 81,857		
		£ 311,857	£ 80,000	£ -	£ -	£ 131,857	£ 100,000	£ -	
2023/24	Pump	Gosberton PS, replace control panel	£ 60,000					£ 60,000	
	Pump	Kirton Marsh PS, refurbish axial flow pmp	£ 10,000					£ 10,000	
	Pump	Pinchbeck PS, new roof	£ 10,000					£ 10,000	
	Pump	Dowsby Fen PS, refurbish pumps	£ 20,000					£ 20,000	
	Drain	NFF Desilting	£ 50,000				£ 50,000		
	Drain	Gosberton & Surfleet Bridge/culverts	£ 80,000	£ 80,000					
	Drain	General Culvert replacement	£ 86,494				£ 86,494		
		£ 316,494	£ 80,000	£ -	£ -	£ 136,494	£ 100,000	£ -	
2024/25	Pump	Dunsby PS Replace control panel	£ 30,000					£ 30,000	
	Pump	Dunsby PS Refurbish axial flow pump	£ 10,000					£ 10,000	
	Pump	Dyke Fen PS Refurbish 2x axial flow pumps	£ 24,000					£ 24,000	
	Pump	Gosberton PS Refurbish 3x axial flow pumps	£ 36,000					£ 36,000	
	Drain	NFF Desilting	£ 50,000				£ 50,000		
	Drain	General Culvert replacement	£ 91,224				£ 91,224		
		£ 241,224	£ -	£ -	£ -	£ 141,224	£ 100,000	£ -	
2025/26	Drain	Claydyke Cleansing	£ 60,000				£ 60,000		
	Drain	Jetting to major pipelines	£ 40,000				£ 40,000		
	Pump	Cooks Lock PS Refurbish 3 x axial flow pumps	£ 36,000					£ 36,000	
	Pump	Donington NI Replace control panel	£ 64,000					£ 64,000	
	Drain	General Culvert replacement	£ 46,048				£ 46,048		
		£ 246,048	£ -	£ -	£ -	£ 146,048	£ 100,000	£ -	
2026/27	Drain	Jetting to major pipelines	£ 25,000				£ 25,000		
	Drain	Cleansing Wyberton Marsh	£ 50,000				£ 50,000		
	Pump	Holland Fen ps Refurbish 3 x axial flow pumps	£ 36,000					£ 36,000	
	Pump	Chain Bridge ps Replace control panel	£ 64,000					£ 64,000	
	Drain	General Culvert replacement	£ 75,969				£ 75,969		
		£ 250,969	£ -	£ -	£ -	£ 150,969	£ 100,000	£ -	

## Making changes to your local watercourse

### South Forty Foot Catchment, Lincolnshire

October 2017



This fact sheet gives an overview our proposed changes to the way your local watercourse is maintained and regulated.

The Environment Agency is looking at new and innovative ways to deliver more for the environment by changing our ways of working and how we use our resources.

We have been developing proposals to transfer stretches of watercourse to local flood risk management partners who wish to take more responsibility for maintaining and regulating their local watercourses and flood risk management assets.

This process is known 'de-maining' and will help ensure that the right people are managing the right watercourses and assets in the right places.

### Background

The Environment Agency carries out maintenance, construction work and regulates the activities of others on Main Rivers to manage and reduce flood risk.

To derive the most benefit and ensure value for money, the Environment Agency prioritises maintenance spend based on the level of flood risk. There are 36,000 km of Main Rivers in England with only 40% considered high flood risk. The remaining 60% of Main Rivers are considered to be a lower flood risk.

Other Risk Management Authorities (RMAs), such as Lead Local Flood Authorities, District Councils and Internal Drainage Boards (IDBs) carry out flood risk management work on other rivers called Ordinary Watercourses.

We are proposing to re-designate some Main River to Ordinary Watercourse, where flood risk is low, and where the watercourse in question is not associated with major rivers or major population centres. This process (de-maining) means we can transfer watercourses from the Environment Agency to willing RMAs, where there is mutual agreement and local support to do so.

### What does this mean for my community?

We want to empower our local partners and communities to make local decisions on watercourse maintenance that are better informed through greater collaboration between all local stakeholders and meet their local needs.

**"In many areas, others are better placed to provide the local flood risk management required. Allowing communities to make relevant decisions based on their local needs."**

Many of the partners we are working with already have experience of managing and maintaining stretches of Ordinary Watercourses. By de-maining some Main River to Ordinary Watercourse, our partners can maintain more of their local watercourses for local communities.



Your local watercourses are just one of five pilots across the country where we are working with the local community on proposals to de-main watercourses.

In the South Forty Foot area, we have been working with local partners to explore opportunities to transfer low risk assets and watercourses (for people and property) to the Black Sluice Internal Drainage Board (BSIDB). For this pilot project, we have identified 27.4km of watercourse for de-maining and transfer due to the low flood risk it poses to people and property. They have also been selected as they do have a benefit for land drainage for agriculture, and BSIDB have the expertise in managing watercourses such as this.

- Ewerby Catchwater (2.6km)
- Cliff Beck (4.2km)
- Northlands Dyke (1.5km)
- Horbling Catchwater & Horbling New Cut and Diversion (5.2km)
- Pointon Lode (5.5km)
- Atkins Cut (2km)
- Car Dyke North (6.4km)

We have been working closely with BSIDB, taking a partnership approach to deliver project proposals in the most effective way possible. Additionally, we are working with the local community, landowners and stakeholders to identify and maximise opportunities to understand the environmental, social and economic outcomes the de-maining pilots will bring.

By working together, we can ensure that the right people are managing the right watercourses and assets in the right places.

### We want to hear your views

To make sure local communities can have a say and there is local support for the change, we are running these public drop-in sessions during October 2017.

These sessions will allow interested parties to find out about our proposals, how the project may affect them, and provides the opportunity to give feedback on future plans.

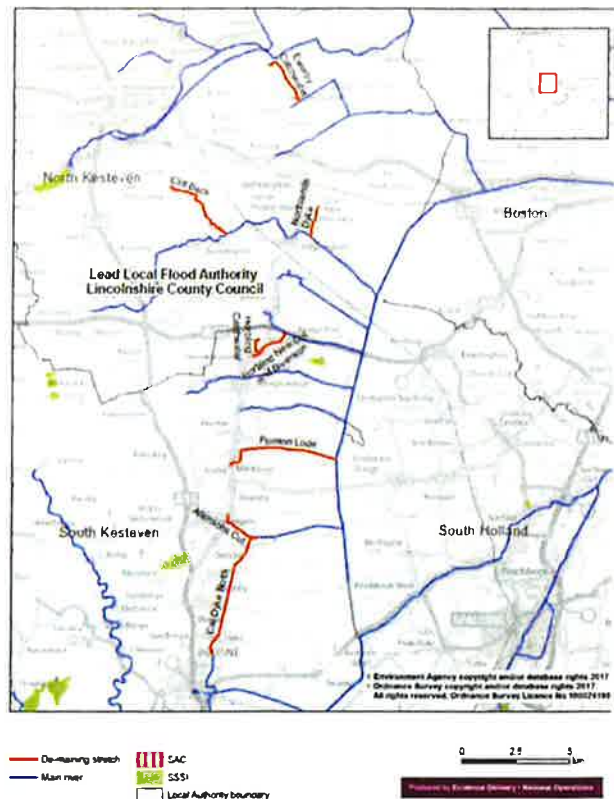
We will use the feedback received to refine our final proposal for formal consultation, starting in December 2017.

### How can I find out more?

We understand that you may have some questions or concerns that you would like to discuss. If you still have questions after attending the public drop-ins, please do get in touch with the local lead detailed below.

Abigail Jackson, South Forty Foot Pilot Lead

Phone: 02030 255877 or email [AnglianNorthernRFCC@environment-agency.gov.uk](mailto:AnglianNorthernRFCC@environment-agency.gov.uk)





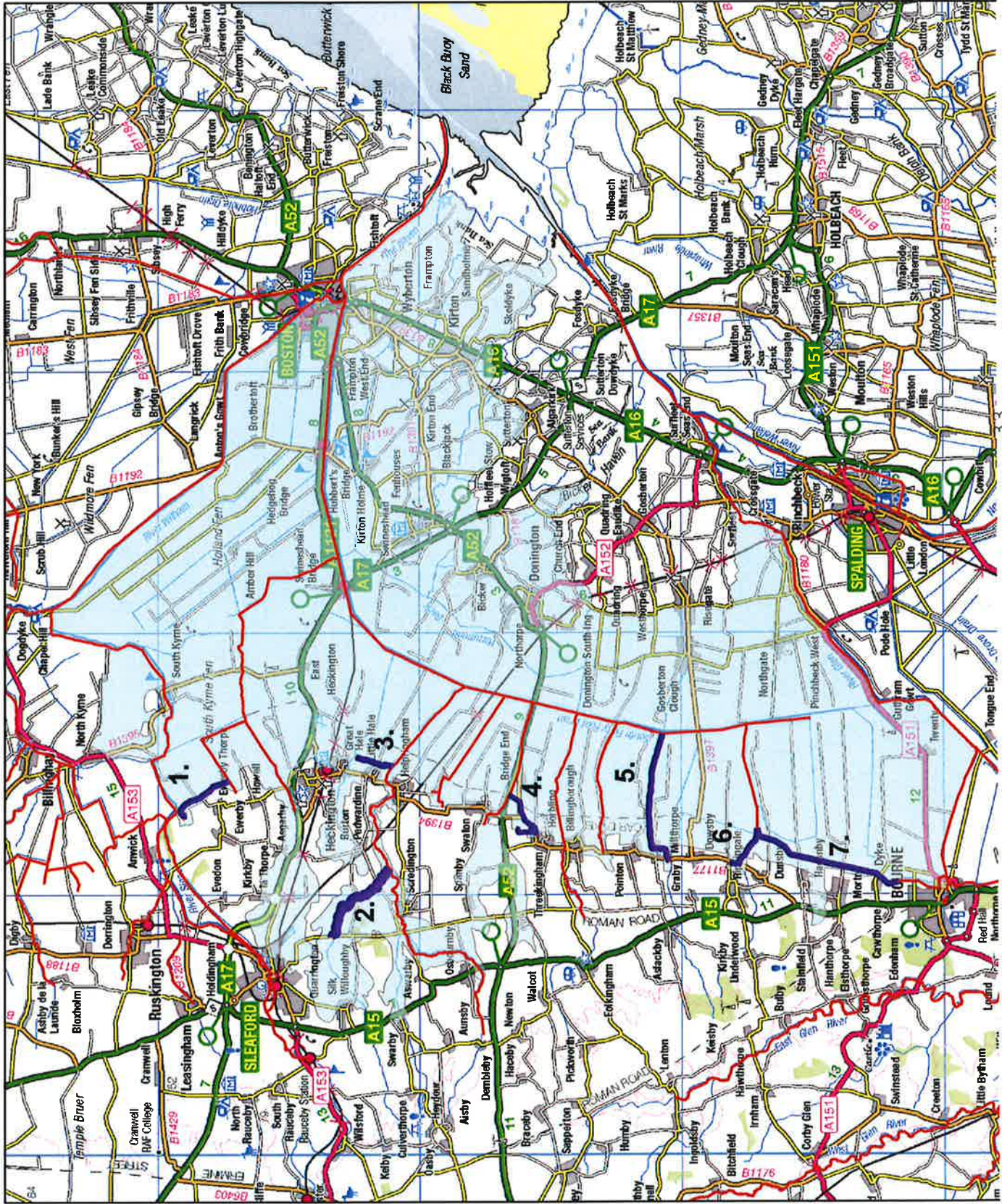
# RMRN De-maining Proposal: Watercourses to be de-mained in the SFF Catchment

Scale 1:10,000

- Legend**
- De-maining Stretch
  - Main River
  - bsidb boundary

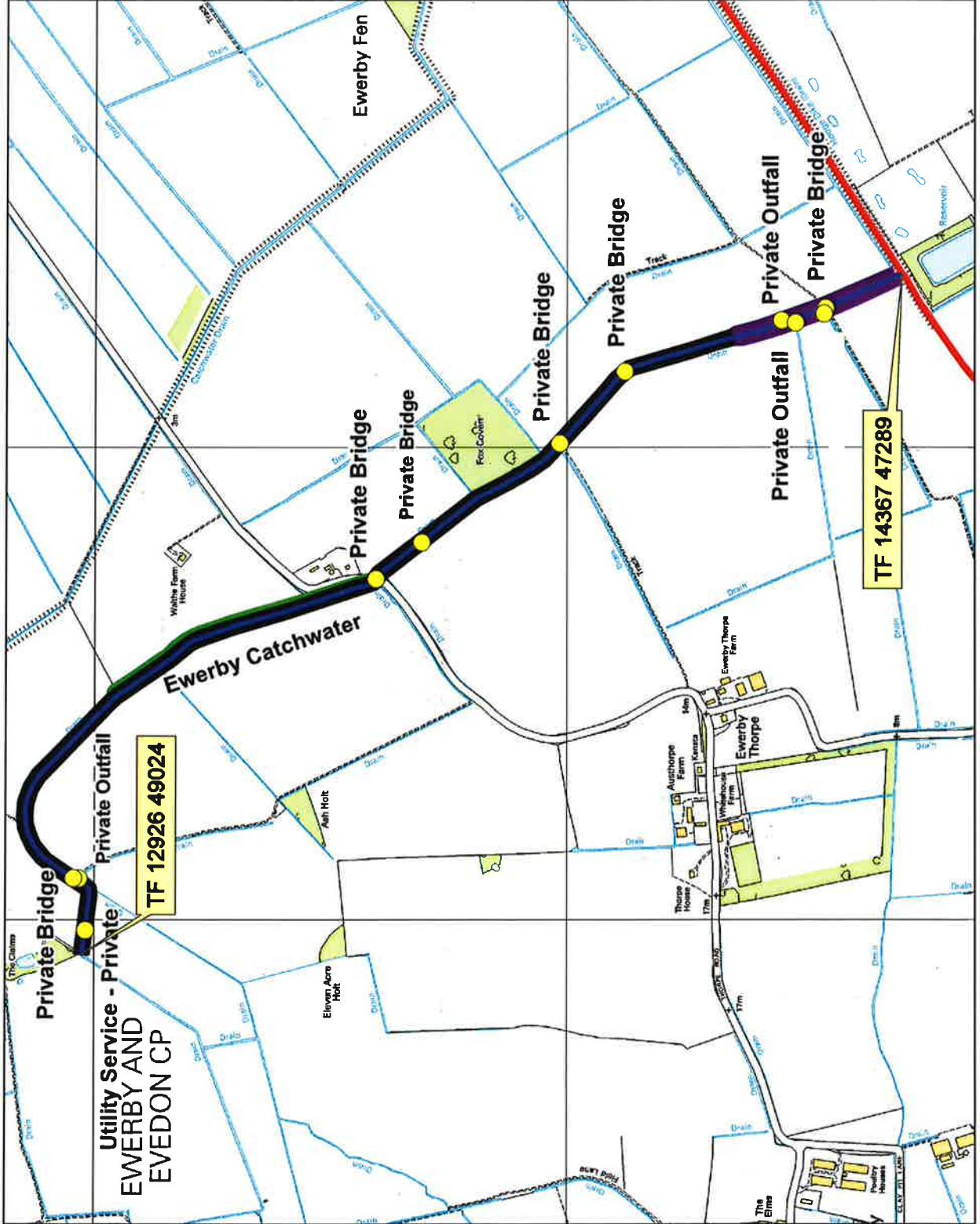
**Comments:**

1. Ewerby Catchwater
2. Cliff Beck
3. Northlands Dyke
4. Horbling Catchwater and Horbling New Cut
5. Pointon Lode
6. Atkins Cut
7. Car Dyke





# RMRN De-maining Proposal: 1. Ewerby Catchwater Map



Scale 1:8,400

0 137.5 275 550 Meters

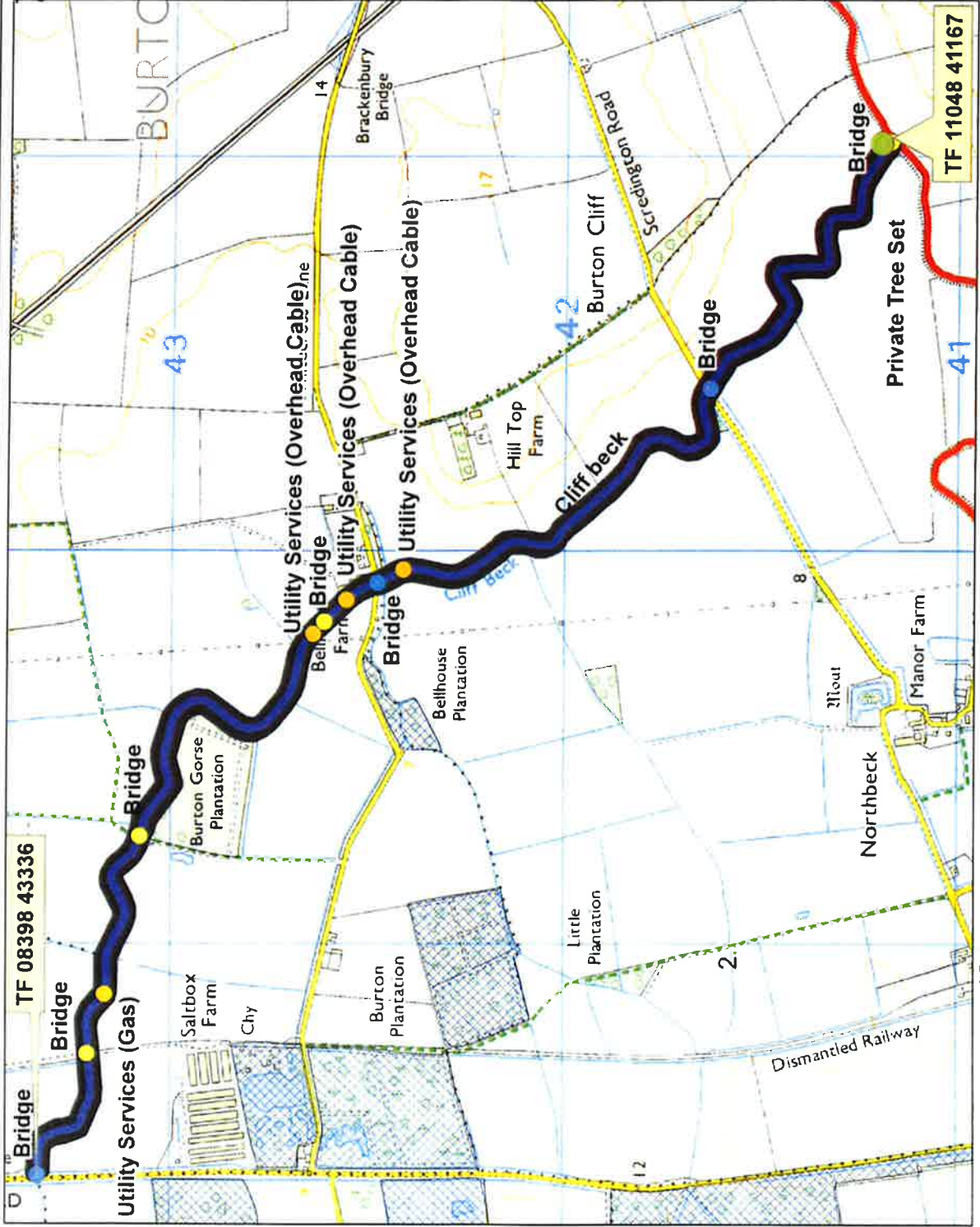
- Legend**
- Private Structures
  - High Ground
  - EA Land interest
  - Embankment
  - Main River
  - De-maining Stretch

Ewerby Catchwater 2.6km

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# RMRN De-maining Proposal: 2. Cliff Beck Map



Scale 1:10,100

- Legend**
- Private Assets
  - Utility Services Assets
  - Local Authority Assets
  - Environment Agency Asset
  - High\_Ground
  - Wildlife Sites
  - Main River
  - De-maining Stretch

Cliff Beck 4.2km

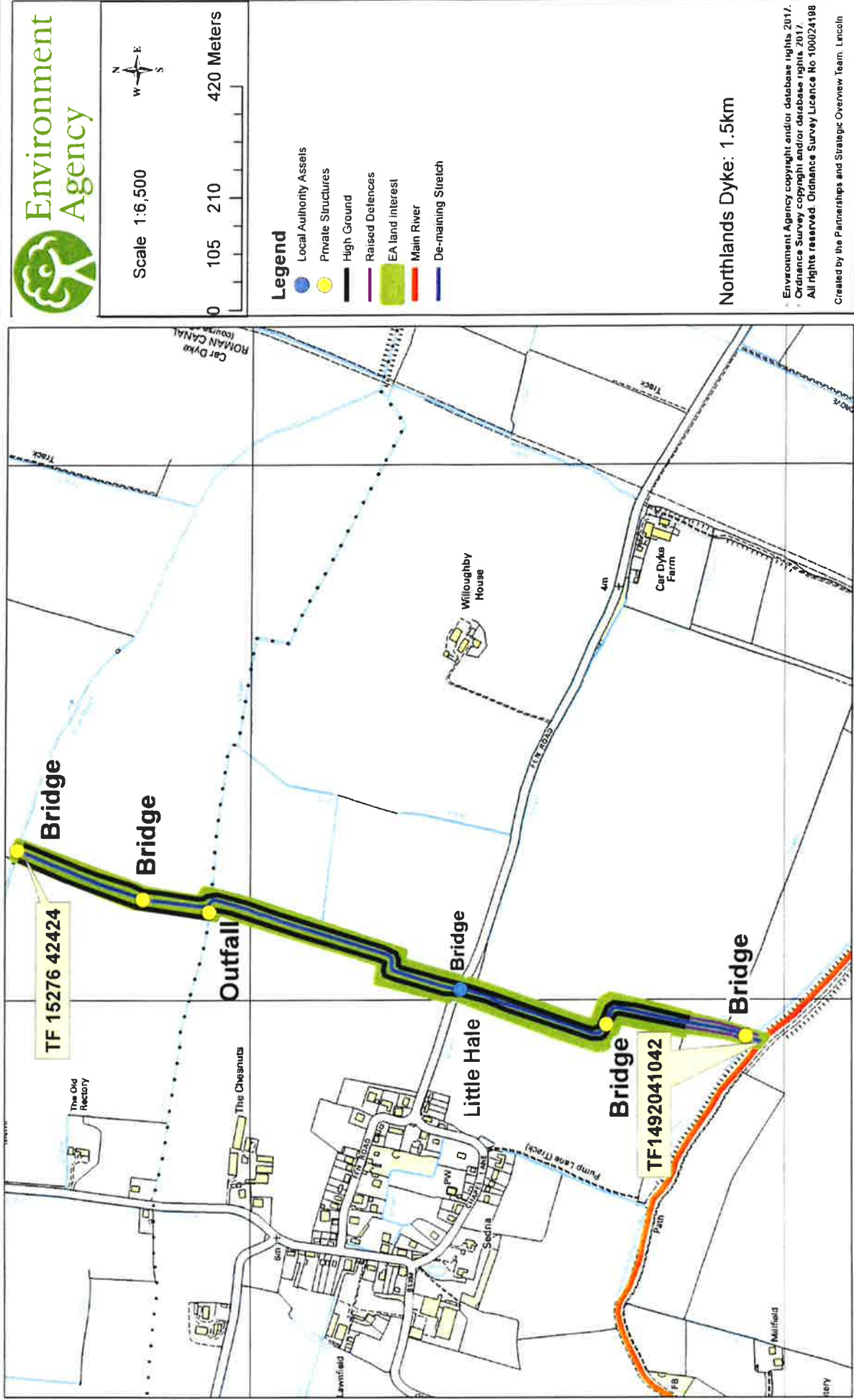
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# RMRN De-maining Proposal: 3. Northlands Dyke Map



Scale 1:6,500

0 105 210 420 Meters

N  
W E  
S

- Legend**
- Local Authority Assets
  - Private Structures
  - High Ground
  - Raised Defences
  - EA land interest
  - Main River
  - De-maining Stretch

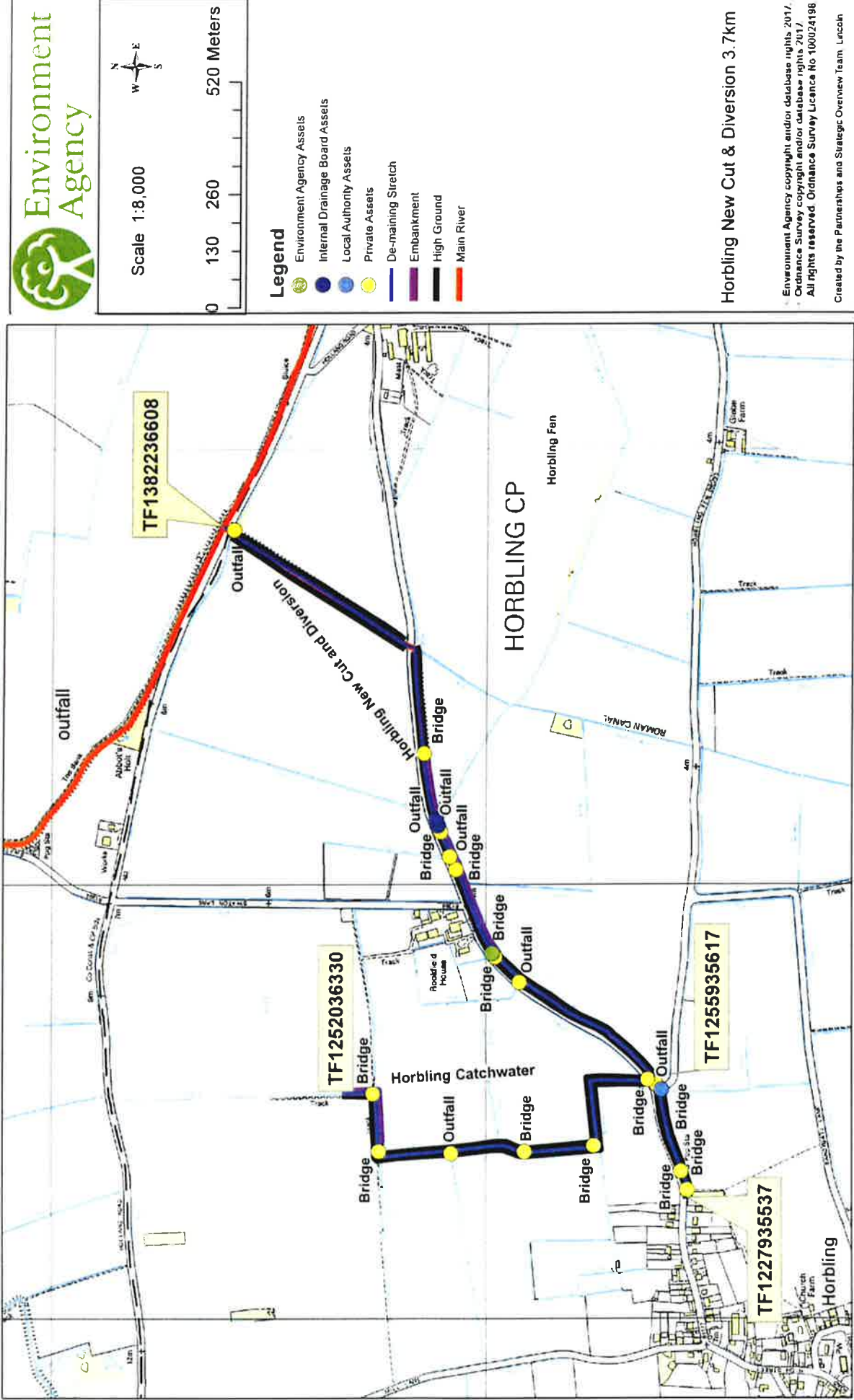
Northlands Dyke: 1.5km

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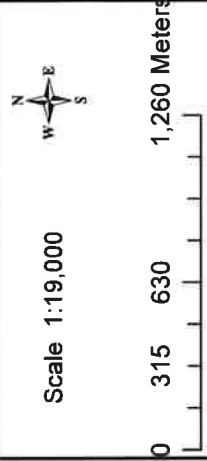
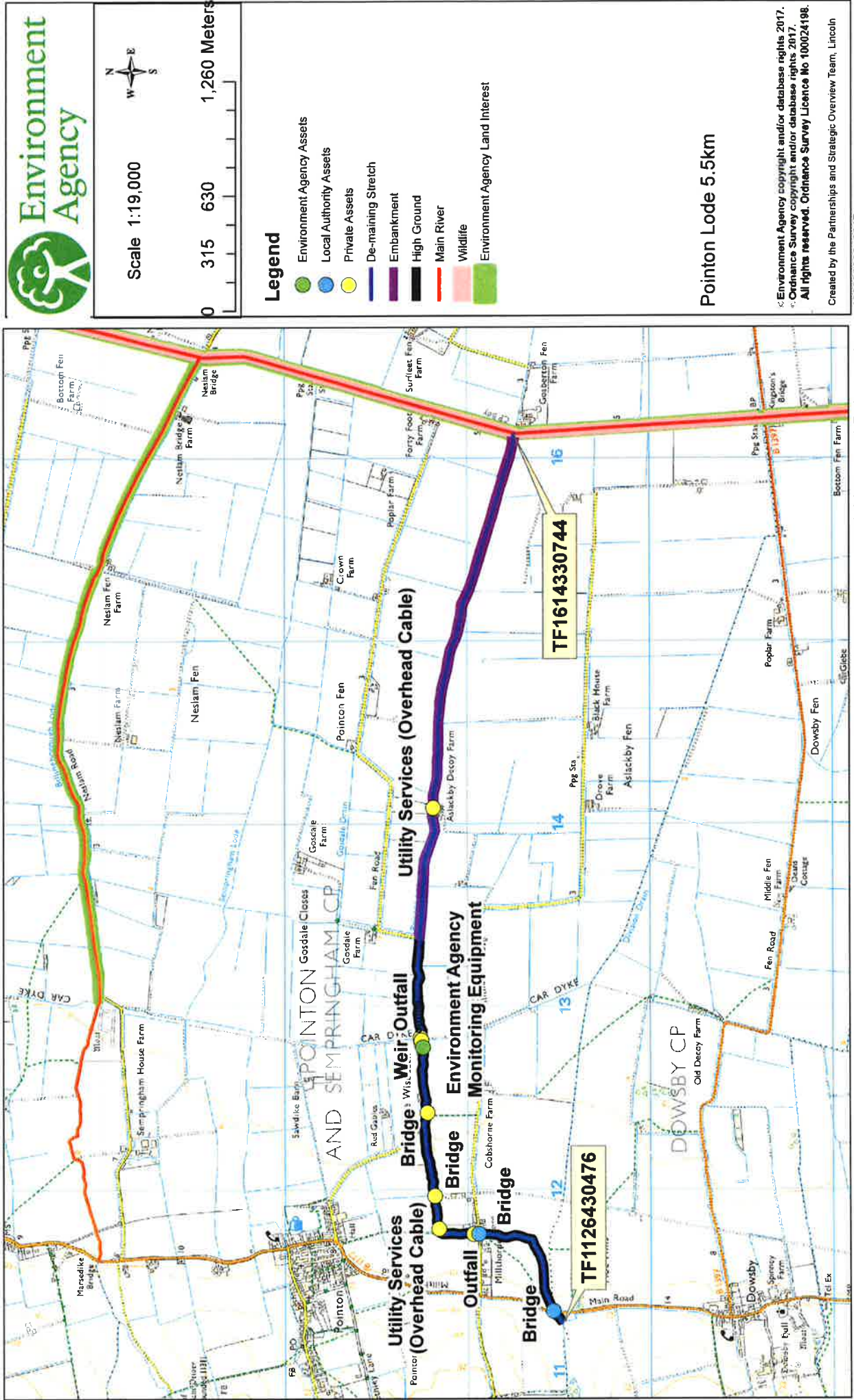
# RMRN De-maining Proposal: 4. Horbling Catchwater & Horbling New Cut and Diversion Map



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# RMRN De-maining Proposal: 5. Pointon Lode Map



### Legend

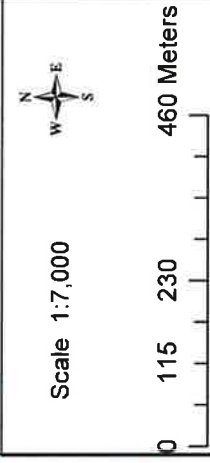
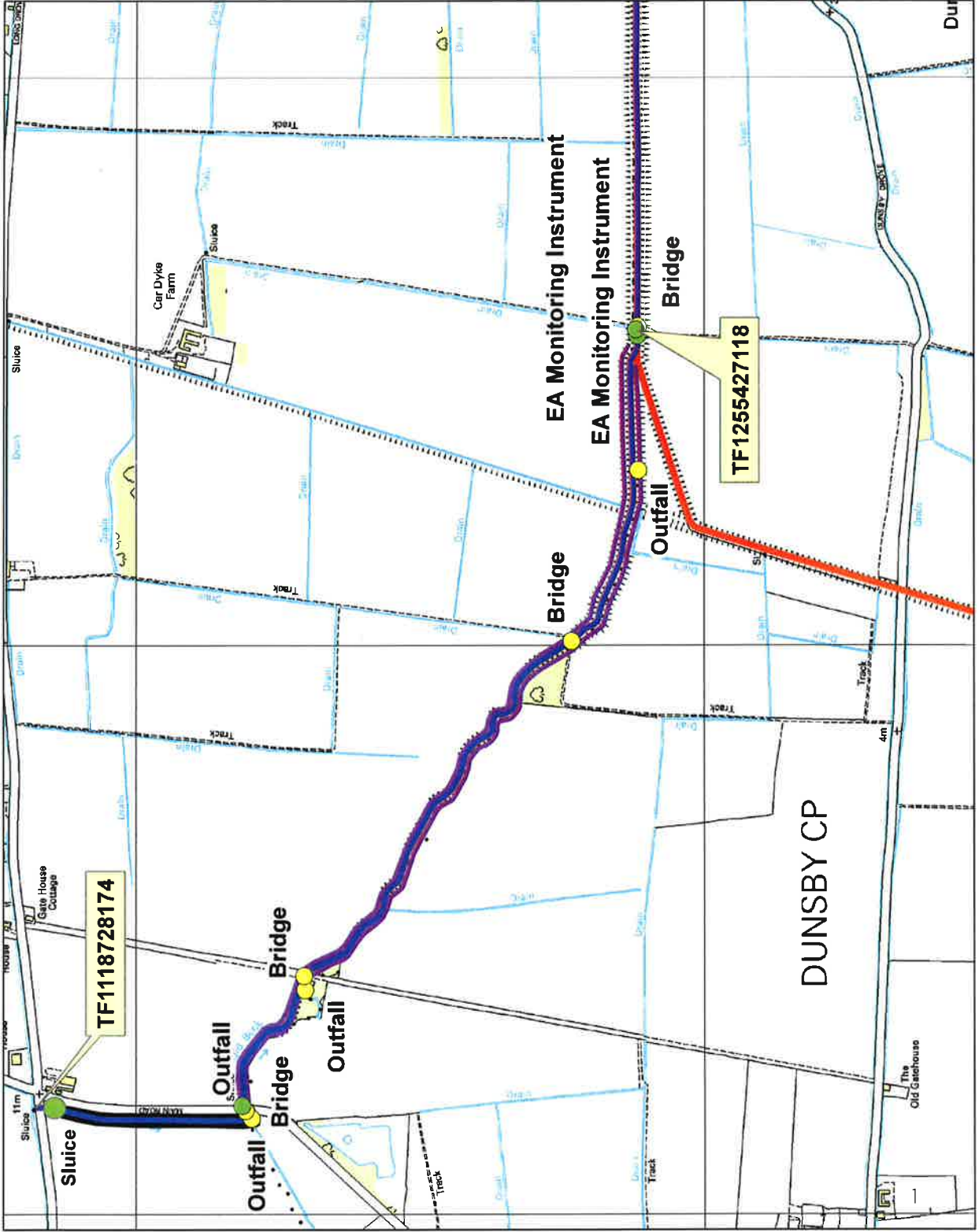
- Environment Agency Assets
- Local Authority Assets
- Private Assets
- De-maining Stretch
- Embankment
- High Ground
- Main River
- Wildlife
- Environment Agency Land Interest

Pointon Lode 5.5km

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# RMRN De-maining Proposal: 6. Atkins Cut



### Legend

- Environment Agency Assets
- Private Assets
- De-maining Stretch
- High Ground
- Embankment
- Main River

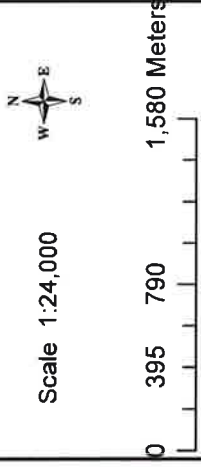
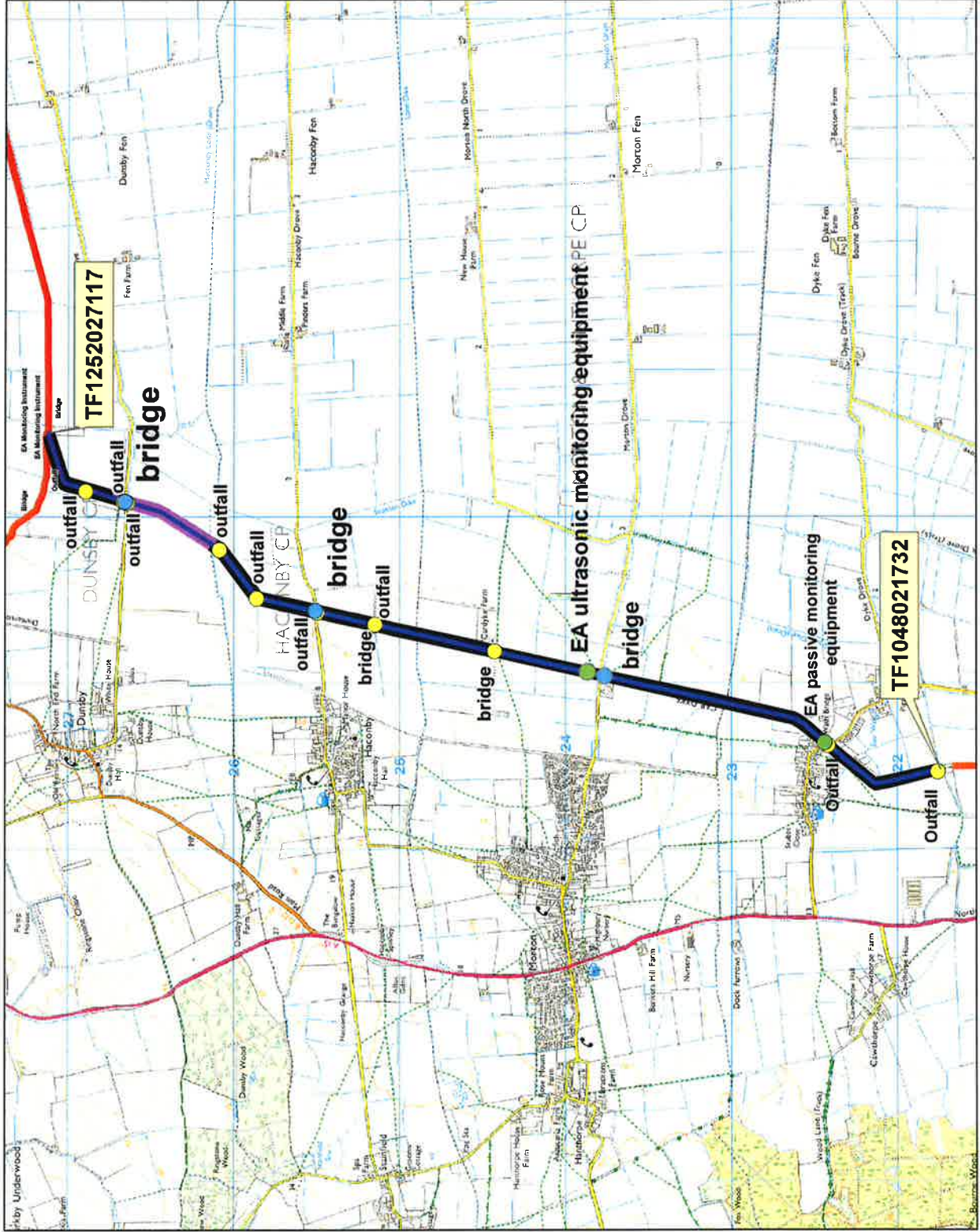
Rippingale Running Dyke  
(Atkins Cut) 2km

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# RMRN De-maining Proposal: 7. Car Dyke at Bourne Map



## Legend

- Environment Agency Asset
- Local Authority
- Private
- De-maining Stretch
- Embankment
- High Ground
- Main River

Car Dyke at Bourne 6.4km

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# Black Sluice Internal Drainage Board

## Project Summary

### 2017/18

Period 06 - September 2017

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	34,331	44,590	(10,259)	1,506,725	1,537,003	(30,278)	0	1,506,725	1,512,661	(5,936)
Interest & Grants	46	644	(598)	470	3,885	(3,415)	0	470	3,710	(3,240)
Development Fund	(2,083)	0	(2,083)	83,830	0	83,830	0	83,830	0	83,830
Other Income	4,582	342	4,240	11,450	8,854	2,596	0	11,450	8,827	2,623
Rechargeable Profit	1,026	0	(1,026)	51	0	51	0	51	1,898	(1,847)
Solar Panel Income	1,447	1,590	(143)	12,145	11,431	714	0	12,145	14,056	(1,911)
<b>Total Income</b>	<b>39,348</b>	<b>47,166</b>	<b>(9,870)</b>	<b>1,614,670</b>	<b>1,561,173</b>	<b>53,497</b>	<b>0</b>	<b>1,614,670</b>	<b>1,541,152</b>	<b>73,519</b>
Schemes	0	0	0	116,291	109,000	(7,291)	0	(116,291)	77,527	(38,763)
Pumping Station Schemes	8,230	0	(8,230)	8,230	0	(8,230)	0	(8,230)	14,550	6,320
Pumping Station Maintenance	18,403	24,050	(2,286)	123,825	151,555	20,739	0	(130,816)	100,834	28,751
Electricity	7,933			6,992					58,733	0
Drain Maintenance	70,739	79,299	8,560	249,511	313,446	63,935	0	(249,511)	354,581	105,069
Environmental Schemes	387	24	(363)	6,521	6,076	(445)	0	(6,521)	2,126	(4,395)
Administration & Establishment	35,004	39,576	4,572	238,883	247,149	8,266	0	(238,883)	225,307	(13,575)
EA Precept	0	0	0	138,276	138,276	0	0	(138,276)	138,276	0
Solar Panel Expenses	250	0	(250)	565	0	(565)	0	(565)	(1,624)	(2,189)
<b>Total Expenditure</b>	<b>140,946</b>	<b>142,949</b>	<b>2,003</b>	<b>889,093</b>	<b>965,502</b>	<b>76,409</b>	<b>0</b>	<b>(889,093)</b>	<b>970,310</b>	<b>81,217</b>
<b>Surplus / (Deficit)</b>	<b>(101,598)</b>	<b>(95,783)</b>	<b>(5,815)</b>	<b>725,577</b>	<b>595,671</b>	<b>129,906</b>	<b>0</b>	<b>725,577</b>	<b>570,842</b>	<b>154,735</b>

Movement on reserves	
Plant Reserve	(23,701)
Wages oncost Reserve	949
<b>Surplus / (Deficit)</b>	<b>(78,846)</b>

<b>Surplus / (Deficit)</b>	<b>(78,846)</b>	<b>(126,894)</b>	<b>(59,677)</b>	<b>794,182</b>	<b>528,229</b>	<b>(6,141)</b>	<b>0</b>	<b>656,972</b>	<b>623,413</b>	<b>138,701</b>
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**Black Sluice Internal Drainage Board**  
**South Forty Foot Scheme Summary**  
**2017/18**  
**Period 06 - September 2017**

Account	Account Description	2016 11	2016 12	2017 1	2017 2	2017 3	2017 4	2017 5	2017 6	Total To date
1001	Basic Pay	0	0	0	561	0	0	0	0	561
3008	H&S	0	0	318	0	0	560	0	0	878
3010	Hire Plant	0	73,441	(3,906)	46,430	810	2,731	9,749	0	129,255
3011	Misc	0	0	0	0	28	885	(800)	0	113
3012	Small Tools	0	13,000	(13,000)	6	150	0	0	0	156
3013	Insurance	0	0	0	449	0	(39)	0	0	409
3015	Hire LL	0	304	(304)	577	0	0	607	0	1,184
3018	Computer Costs	0	3,295	0	0	0	0	0	0	3,295
4001	Materials	5,047	9,976	80	0	14,200	570	273	0	30,146
4002	Concrete	0	0	0	80	80	0	0	0	160
4004	Timber	0	330	140	45	934	166	0	0	1,615
4101	Pipes	0	0	0	164	232	0	0	0	396
4104	Kidds	0	273	0	0	0	65	0	0	338
4105	Stock	0	3,047	0	0	(1,536)	152	0	0	1,663
5004	Plant Parts	0	283	0	0	0	86	0	0	370
5005	Plant Oils & Lubricants	0	22	1	0	0	0	0	0	24
5006	Plant Fuel	443	6,587	4,129	1,325	385	901	0	0	13,769
6001	Contractors	0	79,320	15,650	1,764	142,680	71,416	0	132,121	442,951
6002	Consultants	0	0	0	0	0	0	2,050	0	2,050
6005	Leg & Prof	0	0	0	0	0	0	0	5,000	5,000
7001	Labour	7,804	2,966	47,380	(61,950)	246,111	(86,439)	41,875	(77,043)	120,703
7060	Workshop	0	915	195	120	0	0	0	0	1,230
9013	Forklift	0	0	54	180	18	36	0	0	288
9047	Small Plant	220	0	0	901	0	0	0	0	1,121
9057	Chief TI LL	0	611	226	187	193	264	99	0	1,579
9058	Chief TI Dump	0	24	0	64	152	396	0	0	636
9080	Unimog (AJ58VDN)	150	4,365	2,910	1,785	1,485	2,415	495	0	13,605
9082	JCB JS130	0	713	1,755	75	45	60	0	0	2,648
9088	JCB JS160	0	383	0	0	0	0	653	0	1,035
9093	Vauxhall Vivaro (LN12 YPV)	0	86	99	19	0	77	0	0	280
9094	JCB Teleporter (YN12 DXD)	0	925	375	575	125	275	0	0	2,275
9095	Vauxhall Movano Tipper (UN12 GUH)	189	145	251	274	179	99	0	0	1,136
9096	JCB 145HD	0	2,610	1,988	2,265	600	0	0	0	7,463
9097	JCB JS-130 (YS14 WBO)	0	0	0	0	1,770	788	0	0	2,558
9100	Nissan Navarra Visa - FX15 TUA	0	0	0	0	0	38	0	0	38
9101	Nissan Navarra Visa - FX15 TUH	0	60	0	0	0	1,088	0	0	1,148
9102	Nissan Navarra Acenta-FY15 RBU	0	44	0	0	0	0	0	0	44
9103	Twiga SPV2 (WA15 LFG)	1,125	653	248	0	0	1,125	0	0	3,150
9104	2016 Twiga	0	293	0	0	0	0	0	0	293
9105	Hitachi	0	794	92	104	1,426	1,852	0	0	4,267
9106	Vibrating Pile Hammer	0	480	160	0	480	0	0	0	1,120
9108	Aebi TT211	0	0	0	0	455	420	0	0	875
9110	Kubota F3090 Ride on Mower	0	0	0	0	0	15	0	0	15
		<b>14,978</b>	<b>205,942</b>	<b>58,840</b>	<b>(4,000)</b>	<b>411,000</b>	<b>0</b>	<b>55,000</b>	<b>60,077</b>	<b>801,837</b>

<b>8005 Recoverable</b>	<b>(73,500)</b>	<b>(147,420)</b>	<b>(58,840)</b>	<b>4,000</b>	<b>(411,000)</b>	<b>(55,000)</b>				<b>(741,760)</b>
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Balance £60,077

**Outstanding Costs**

Royal Smals	£3,773
Lagoon 1 Rent 1 Year	£6,500
Lagoon 2 Rent year 2, 3, 4 & 5	£21,500
Lagoon 3 Rent year 2, 3, 4 & 5	£22,100
Level Lagoon 2 & 3	£10,000
Spread & Level vegetation	£15,000
BSIDB Resources	£8,000
Field testing Lagoon 2 & 3	£1,500
Crop losses	£500
Land Agent Fees	£5,000
Period expenditure	801,837
	895,710
5% Recovery	44,786
<b>Grand Total Projected Expenditure</b>	<b>940,496</b>

Recovery to date -£741,760

**PSCA income request £194,042**

# Black Sluice Internal Drainage Board

## Income & Expenditure Summary

### 2017/18

Period 06 - September 2017

	2017/18	2016/17	Variance
Drainage Rates	997,778	1,013,134	(15,357)
Special Levies	508,947	499,527	9,420
Recoverable	565,968	47,572	518,396
Misc Income	96,826	13,621	83,205
Solar Panel Income	12,145	14,056	(1,911)
	2,181,663	1,587,910	593,754
Employment Costs	555,860	537,299	(18,562)
Property	26,477	82,258	55,781
General Expenses	141,078	72,684	(68,394)
Materials / Stock	22,371	26,914	4,543
Motor & Plant	91,761	81,640	(10,121)
Miscellaneous	612,103	185,001	(427,102)
Recharges	(277,914)	(227,033)	50,881
Plant	215,744	205,736	(10,008)
<b>Total Expenditure</b>	<b>1,387,481</b>	<b>964,497</b>	<b>(422,983)</b>
<b>Net Surplus / (Deficit)</b>	<b>794,183</b>	<b>623,413</b>	<b>170,770</b>



# Black Sluice Internal Drainage Board

## Balance Sheet at Period End

### 2017/18

Period 06 - September 2017

	<u>2017/18</u>		<u>2016/17</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	877,147		804,415	
<b>Fixed Assets</b>		5,607,851		5,535,119
Stock	27,179		34,575	
Debtors Cont	136,292		40,263	
VAT	55,459		36,945	
Grants Debtor	(16,320)		(4,884)	
Car Loans	40,776		17,327	
Prepayments	13,062		14,814	
Draw Acc	(12,279)		(3,244)	
Call Acc	314,914		610,928	
Petty Cash	303		840	
Rechargeable Work in Progress	116,532		27,845	
Natwest Government Procurement C	(1,321)		(2,357)	
Reserve Account	1,171,261		758,634	
<b>Total Current Assets</b>		1,851,299		1,531,686
Trade Creditors	21		(30,219)	
PAYE & NI Control Account	(19,505)		(18,497)	
Superannuation Contrl Account	(12,637)		(15,619)	
Union Subs Control Account	(99)		(99)	
AVC Control Account	0		0	
Accruals	(196,847)		(33,516)	
Suspense	(0)		0	
<b>Total Liabilities</b>		(229,068)		(97,950)
Pension Liability		(3,343,000)		(2,973,000)
		<b>3,887,082</b>		<b>3,995,855</b>
Capital Outlay	5,450,044		5,216,031	
Pension Reserve	(3,343,000)		(2,973,000)	
<b>Total Capital</b>		2,107,044		2,243,031
General Reserve	910,190		880,038	
Development Reserve	128,265		92,405	
Plant Reserve	(87,474)		148,322	
Wage On-Cost Reserve	34,874		8,647	
Surplus/Deficit in Period	794,183		623,413	
<b>Total Reserves</b>		1,780,039		1,752,825
		<b>3,887,082</b>	0	<b>3,995,855</b>
<b><u>Cash &amp; Bank Balances</u></b>				
Drawings Account		(12,279)		
Call Account		14,914	314,914	
Natwest Reserve Account @ 0.01%		1,171,261		
Petty Cash		303		
Chargecard		(1,321)		
Monmouthshire BS @ 0.15%		300,000	30 Day Notice	
		<b>1,472,878</b>		

# Black Sluice Internal Drainage Board

## 2017/18 Forecast

### Period 6 - September 2017

Description	2015/16		2015/16		Difference	Q1		Q2		Q3		Q4	
	Budget	Forecast	Forecast	Actual		Actual	Actual	Forecast	Forecast	Forecast	Forecast		
Rates & Levies	2,053,347	2,072,342	18,995	1,236,385	270,339	563,946	1,671						
Interest & Grants	4,999	710	(4,289)	341	129	120	120						
Development Fund	5,000	5,000	(0)	0	(0)	0	5,000						
Other Income	19,202	18,448	(754)	4,266	7,184	1,820	5,178						
Rechargeable Profit	12,500	46,251	33,751	411	(360)	3,000	43,200						
Solar Income	15,555	16,269	714	6,132	6,014	1,695	2,429						
<b>Total Income</b>	<b>2,110,603</b>	<b>2,159,019</b>	<b>48,416</b>	<b>1,247,536</b>	<b>283,305</b>	<b>570,581</b>	<b>57,598</b>						
Schemes	127,000	53,049	73,951	27,508	4,953	2,588	18,000						
Pumping Station Schemes	83,000	80,230	2,770	0	8,230	0	72,000						
Pumping Station Maintenance	370,004	361,765	8,239	51,140	79,676	96,883	134,066						
Drain Maintenance	710,001	708,934	1,067	51,804	197,708	239,880	219,543						
Environmental Schemes	20,001	18,946	1,055	5,967	553	557	11,868						
Administration & Establishment	498,520	498,054	466	124,052	114,831	118,339	140,832						
EA Precept	276,552	276,552	0	0	138,276	138,276	0						
Solar Expenses	2,268	2,833	(565)	315	250	0	2,268						
<b>Total Expenditure</b>	<b>2,087,346</b>	<b>2,000,363</b>	<b>86,983</b>	<b>260,786</b>	<b>544,477</b>	<b>596,523</b>	<b>598,577</b>						
<b>Surplus / Deficit</b>	<b>23,257</b>	<b>158,657</b>	<b>135,400</b>	<b>986,750</b>	<b>(261,172)</b>	<b>(25,942)</b>	<b>(540,979)</b>						

Black Sluice Internal Drainage Board

2017/18

Period 6 - September 2017

Account	Description	2017/18	2017/18	Variance	April	May	June	July	August	September	October	November	December	January	February	March
		Budget	Forecast		01	02	03	04	05	06	07	08	09	10	11	12
8001	Drainage Rates	1,054,294	1,054,448	154	110,498	420,860	196,080	187,391	48,618	34,331	26,241	11,533	15,170	316	306	1,049
8002	Special Levies	990,053	1,017,894	18,841		59,314	449,633						508,947			
	Rates & Levies	2,053,347	2,072,342	18,995	110,498	480,174	645,713	187,391	48,618	34,331	26,241	13,588	524,117	316	306	1,049
8007	Interest	4,999	710	(4,289)		231	44	66	36	47	46	40	40	40	40	40
8008	Grants	4,999	710	(4,289)	167,178	(167,178)										
	Interest & Grants	4,999	710	(4,289)	167,409	(167,134)		66	36	47	46	40	40	40	40	40
8013	Use of Dev Fund	5,000	5,000													5,000
	Development Fund	5,000	5,000													5,000
8003	Rents	6,500	7,346	846	3,365	300	300	1,001	300	300	297	297	297	297	297	297
8004	Consents	2,200	2,900	698	100	100	100	1,200	100	100	200	200	200	200	200	200
8010	Highland Water	5,500	5,382	(118)							4,182					
8012	Misc Inc	5,000	2,818	(2,182)										112	217	109
	Misc Inc	5,000	2,818	(2,182)										112	217	109
	Other Income	19,202	18,448	(754)	3,465	400	401	2,202	400	4,582	497	609	714	606	654	3,918
<<7000.7999	Rechargeable Profit	12,500	46,251	33,751	136	622	(346)	18	(1,405)	1,026	1,000	1,000	1,000	1,000	1,000	41,200
	Rechargeable Profit	12,500	46,251	33,751	136	622	(346)	18	(1,405)	1,026	1,000	1,000	1,000	1,000	1,000	41,200
8020	Solar Income - Swineshead PS	1,741	1,775	34	218	256	231	283	217	153	93	45	32	32	71	143
8021	Solar Income - Swineshead HQ	3,979	4,820	841	602	607	634	802	624	450	246	116	91	115	181	352
8022	Solar Income - Donington NI PS	1,168	1,088	(80)	124	148	137	161	124	84	69	33	25	30	51	101
8023	Solar Income - Chambridge PS	1,169	1,135	(34)	127	157	140	175	135	90	69	33	25	30	51	101
8024	Solar Income - Wyberton PS	1,169	1,145	(24)	131	159	143	176	135	93	69	33	25	30	51	101
8025	Solar Income - Great Hale PS	694	625	(69)	89	84	78	92	70	47	41	20	15	18	30	60
8026	Solar Income - Holland Fen PS	910	1,066	146	131	155	139	168	131	91	54	26	20	23	40	79
8027	Solar Income - Cooks Lock PS	808	893	87	103	126	117	142	113	79	48	23	17	21	35	70
8028	Solar Income - Gosberton PS	1,302	808	(494)	73	67	83	96	78	49	77	37	28	33	57	113
8029	Solar Income - Black Hole Drove PS	761	880	109	108	124	115	134	107	73	45	21	16	19	33	65
8030	Solar Income - Heckington PS	850	594	(256)	63	81	74	89	69	44	39	18	14	17	29	56
8031	Solar Income - Damford PS	566	495	(70)	53	66	60	73	56	37	33	16	12	15	25	49
8032	Solar Income - Dowby Fen PS	468	468	0	74	88	84	96	75	51						
8033	Solar Income - Dyke Fen PS	850	508	(342)	25	30	28	147	104	39	18	14	17	29	56	
	Solar Panel Income	15,555	16,269	714	1,901	2,169	2,063	2,834	1,933	1,447	922	439	334	400	683	1,345
	Total Income	2,110,603	2,169,018	48,416	283,409	318,233	647,895	192,281	49,593	41,431	28,700	15,676	526,205	2,342	2,682	92,553
1006	New Hammond Beck		36	(36)					36							
1035	Kilton Meess Long Culvert		39,500	(39,500)												39,500
1037	Graft Drain Improvements	25,000	4,917	20,083					4,917							
1215	Mallings Lane Donington 2015	60,001	60,500	(499)												30,000
1222	Clay Dyke Cleaning		30,096	(30,096)	15,708	11,798					2,588					
1223	FDGA - NFF Bank Protection		15,590	(15,590)												15,590
1225	Quadrant Development, Wyberton		(0)	0	2,700	(2,700)			80,160	(80,160)						
1226	Swaton Bank Stability 17/18	18,000	8,000	10,000												8,000
1227	Scredingon Beck Improve 17/18	50,000	10,000	40,000												10,000
1300	General Culvert Replacement	34,000		34,000												34,000
1099	FDGA - Drain Schemes	(83,000)	(115,599)	32,599	18,409	9,098			85,133	(85,133)		2,588				(16,594)
	Schemes	127,000	53,043	73,957	18,409	9,098			85,133	(85,133)		2,588				8,000
1135	Damford PS Resilience Works		16,129	(16,129)												16,129
1138	Sempingham PS Weedscreen Cntr		19,449	(19,449)												19,449
1154	Helpingham PS Weedscreen Clea		15,510	(15,510)												15,510
1156	Gosberton PS - Weedscreen 17/18	40,000	40,000													40,000
1157	Billingborough PS Roof 17/18	11,000	8,200	2,770												8,200
1158	Sth Kyme PS Cont Panel 17/18	32,000	32,000													14,000
1199	FDGA		(51,588)	51,588												51,588
	Pumping Station Schemes	83,000	(51,588)	134,588												51,588
2001	Aken Hous	3,258	3,262	(4)	28	31	180	327	108	72	154	239	601	656	470	414
2002	Bicker Eau	6,611	3,079	3,532	(2,099)	128	224	293	209	249	519	481	785	693	631	966
2003	Daker Fen	3,478	3,902	(424)	288	391	227	466	132	133	122	196	528	536	484	398
2004	Swineshead	8,517	8,591	(74)	663	731	853	1,758	922	421	465	474	769	708	724	606
2005	Chain Bridge	9,719	9,147	572	(11)	484	357	1,244	674	696	944	913	637	918	658	1,214
2006	Wyberton Marsh	12,596	11,786	730	891	808	586					892	2,178	1,708	1,277	2,164
2007	Kilton Marsh	19,382	7,266	12,116	683	970	(270)	(9,361)	318	230	1,499	2,082	2,806	2,838	2,815	2,668
2008	Horbling	9,797	6,183	3,614	(5,153)	678	229	3,300	287	493	860	617	995	1,015	1,172	1,469
2009	Heckington	3,393	4,129	(736)	115	333	228	954	533	287	162	165	373	367	360	630
2010	Great Little Hale	4,047	6,577	(2,530)	118	208	275	289	174	397	377	350	481	409	584	597
2011	Holland Fen	10,944	10,346	598	863	854	(21)	536	568	567	725	1,176	1,176	1,303	1,396	1,758
2012	Cooks Lock	27,678	19,045	8,634	(525)	190	(256)	2,246	162	327	2,249	3,288	3,551	2,687	2,737	2,479
2013	Damford	2,830	3,518	(688)	382	276	40	234	429	118	123	228	295	352	500	540
2014	South Kyme	3,730	4,190	(460)	169	552	144	363	283	143	235	327	332	383	507	693
2015	Amber Hill Trinity College	5,126	5,577	(451)	388	388	(103)	286	172	1,543	121	500	728	704	747	1,146
2016	Helpingham	3,957	6,909	(2,952)	281	287	268	143	523	308	255	284	273	421	705	813
2017	Swaton	2,767	3,384	(617)	134	368	208	345	700	134	225	189	189	229	288	397
2018	Horbling	7,410	5,850	1,560	(235)	568	(178)	810	165	118	531	711	789	725	886	751
2019	Billingborough	2,959	3,835	(876)	106	303	430	260	365	539	192	281	291	312	348	410
2020	Sempingham	4,696	5,537	(841)	200	496	230	1,996	211	225	362	281	365	597	581	451
2021	Dowby Fen	1,232	325	907	(874)	302	(332)	1	33	94	107	117	118	110	141	131
2022	Gosberton	9,828	9,837	(9)	1,132	739	748	248	427	314	607	707	1,018	1,376	1,235	1,291
2023	Dowby Lode	2,125	2,309	(184)	129	291	181	144	50	125	125	123	184	257	318	382
2024	Rippingale	2,964	3,936	(972)	255	283	336	992	378	167	248	220	361	378	371	348
2025	Dunby	5,825	7,087	(1,262)	143	425	111	927	491	257	402	334	1,026	979	916	1,053
2026	Finchbeck	6,021	7,436	(1,415)	860											

## BLACK SLUICE INTERNAL DRAINAGE BOARD

### JOINT WORKS COMMITTEE MEETING - 8<sup>th</sup> NOVEMBER 2017

#### AGENDA ITEM No 10

#### COMPENSATION RATES

The following rates agreed at the 17<sup>th</sup> June 2015 Board meeting are currently being used for crop loss compensation.

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

Following any crop damage, the Boards Officers seek to agree any crop loss payments with the relevant party involved.

#### Compensation rates for Summer Roding

Cereals	£605 per acre or £1,495 per hectare
Oilseed Rape	£605 per acre or £1,495 per hectare
Sugar Beet	£840 per acre or £2,076 per hectare
Cabbage	£1,310 per acre or £3,237 per hectare
Brussel Sprouts	£1,575 per acre or £3,892 per hectare
Potatoes	£3,150 per acre or £7,784 per hectare

#### Compensation rates for Winter Cleansing

All crops	£530 per acre or £1,310 per hectare
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Please consider the following, with a view to introduce the revised compensation system to commence from July 2018, the start of the Summer Drain Maintenance (weed cutting) season.

#### 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.

The Board will pay compensation for injury (crop loss) suffered **if requested**.

NB

Cereals: old system 1000m x 2.00m width x £1,495 per hectare = £299.00  
new system 1000m x 25p per metre = £250.00

Oil Seed Rape: old system 1000m x 3.00m width x £1,495 per hectare = £448.50  
new system 1000m x 44 per metre = £440.00

The new system will reduce the number of hours the Board's staff are involved with calculating any compensation payments.

**Other Maintenance Works (De-Silting/Bushing)**

Where notice of entry 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 and sprayed, compensation will be calculated at the rate of £1,495 per hectare for cereals and £1,720 per hectare for oil seed rape.

**Permanent Loss of Land**

In June 2015 the Board adopted the following statement:

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

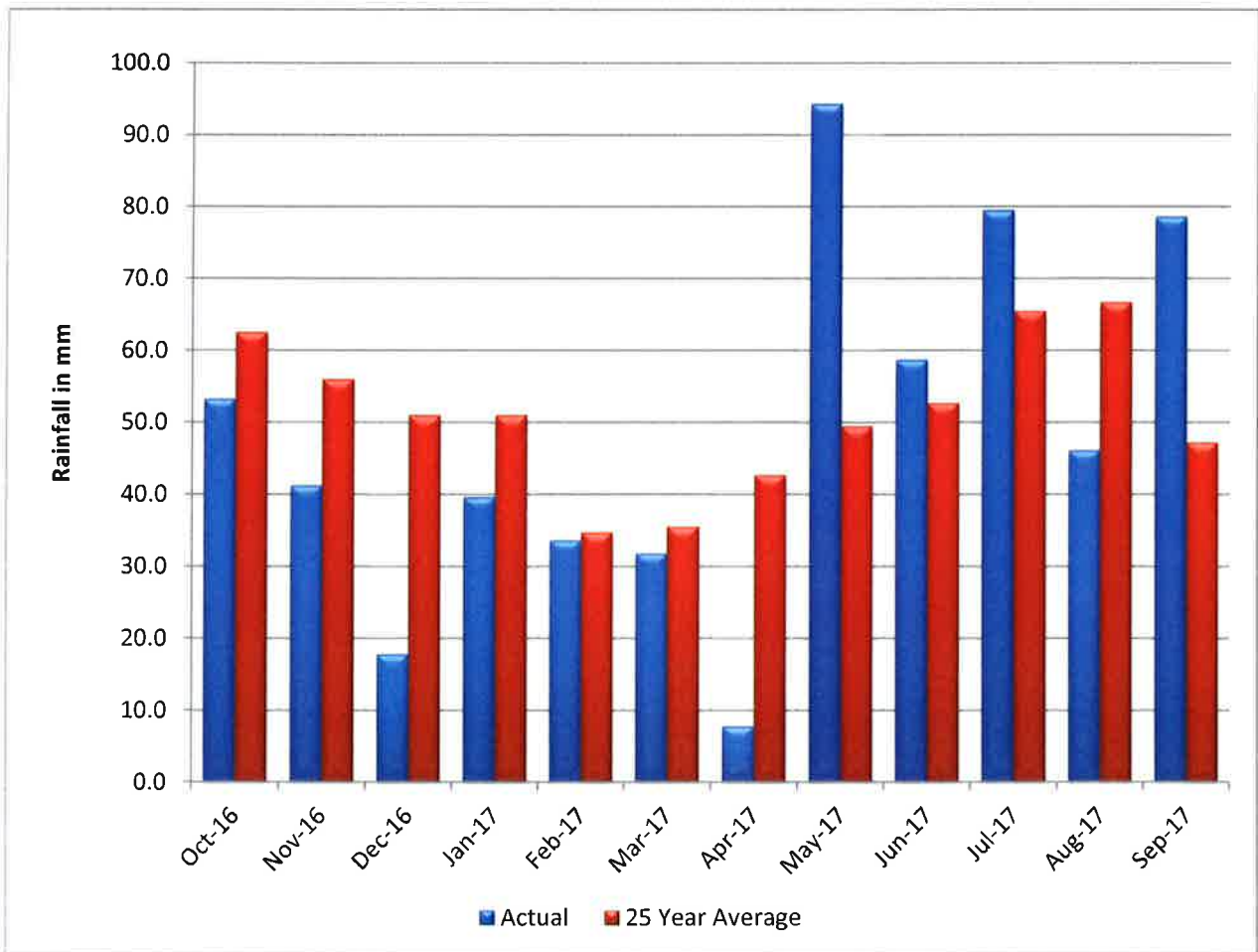
I propose to continue with the current land loss compensation calculation.

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

Ian Warsap  
Chief Executive

## BLACK SLUICE INTERNAL DRAINAGE BOARD Rainfall at Swineshead Depot

MONTH	Rainfall		Actual / Average
	Actual	25 Year Average	
	mm	mm	%
Oct-16	53.2	62.5	85.12%
Nov-16	41.2	56.0	73.57%
Dec-16	17.8	51.0	34.90%
Jan-17	39.6	51.0	77.65%
Feb-17	33.6	34.7	96.83%
Mar-17	31.8	35.5	89.58%
Apr-17	7.8	42.7	18.27%
May-17	94.3	49.5	190.51%
Jun-17	58.7	52.7	111.39%
Jul-17	79.5	65.5	121.37%
Aug-17	46.1	66.7	69.12%
Sep-17	78.6	47.2	166.53%
<b>Totals</b>	<b>582.2</b>	<b>615.0</b>	<b>94.67%</b>





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

MONTH	Rainfall		Actual / Average
	Actual	25 Year Average	
	mm	mm	%
<b>Oct-16</b>	42.2	59.1	71.40%
<b>Nov-16</b>	53.2	56.1	94.83%
<b>Dec-16</b>	14.0	48.8	28.69%
<b>Jan-17</b>	39.6	49.0	80.82%
<b>Feb-17</b>	27.2	33.1	82.18%
<b>Mar-17</b>	28.2	34.2	82.46%
<b>Apr-17</b>	12.4	41.9	29.59%
<b>May-17</b>	64.4	50.2	128.29%
<b>Jun-17</b>	48.8	54.5	89.54%
<b>Jul-17</b>	47.4	61.4	77.20%
<b>Aug-17</b>	33.8	62.2	54.34%
<b>Sep-17</b>	69.2	46.9	147.55%
<b>Totals</b>	480.4	597.4	80.42%

