

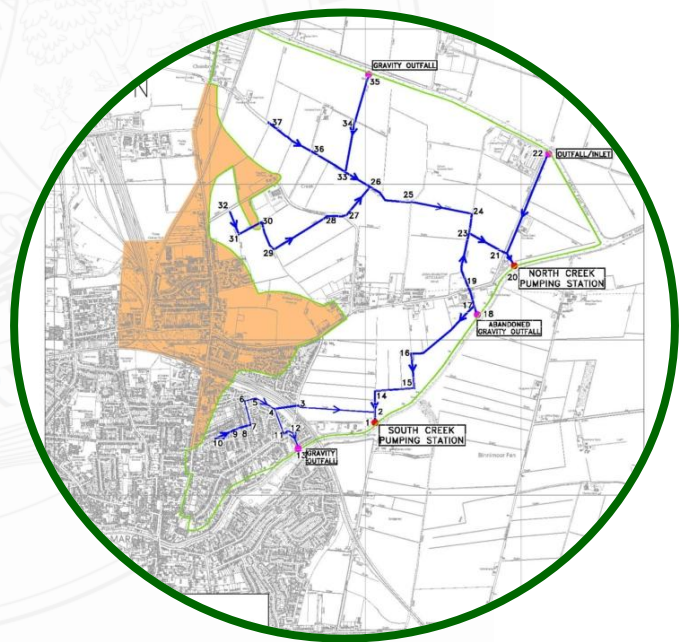


Biodiversity Action Plan

2026 – 2031

March 5th

Internal Drainage Board



1. Statement

This Biodiversity Action Plan (BAP) has been prepared by the Middle Level Commissioners on behalf of March 5th District Drainage Commissioners. It demonstrates the Board's commitment to fulfilling its duty as a public body, in accordance with the Environment Act 2021, to conserve and enhance biodiversity whilst exercising their statutory functions.

Importantly, it reflects the Board's aspiration to maximise the outcomes for biodiversity, particularly priority UK species and habitats and the wider environment in general, through its day-to-day activities, by setting clear objectives, actions and targets, and then taking action. It also highlights the recognition of its vital role in contributing towards a wider thriving natural environment.

The Board has adopted this Biodiversity Action Plan as one of its policies and is committed to its implementation. It will be reviewed annually and updated every 5 years.

Signed Date

TD Hopkin

Chairman of the Board

Note: We would welcome appropriate involvement in the delivery of the Plan from interested organisations, companies, and individuals.

You can contact us about this Biodiversity Action Plan by writing to the following address:

March 5th District Drainage Commissioners

Middle Level Commissioners

85 Whittlesey Road

March

Cambs

PE150AH

Or via email:

Enquiries@middlelevel.gov.uk

Further information is available on the Board's website:

www.middlelevel.gov.uk

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2. Executive Summary

The UK is one of the most nature impoverished countries on the planet and Cambridgeshire is one of the most nature depleted counties in the UK. It's no wonder that protecting and improving biodiversity and the environment are higher than ever on the political agenda. The Government is looking for strong and proactive environmental delivery from Public Authorities to contribute towards their own challenging statutory environmental targets. The public services provided by March 5th District Drainage Commissioners (DDC) (hereafter referred to as March 5th DDC or "the IDB") are no exception.

All IDBs will increasingly be expected to implement more sustainable approaches to water level and flood risk management. Proactively contributing to biodiversity conservation and enhancement is a vital part of this, and is a statutory requirement of March 5th DDC, as a modern Public Authority. Through their water level management activities, March 5th DC is well placed to conserve and enhance a great range of habitats and species, particularly those associated with freshwater, riparian and wetland habitats.

Biodiversity Action Plans (BAPs) provide IDBs with a formal mechanism to demonstrate and record their contribution to biodiversity conservation and enhancement. While biodiversity conservation thinking has evolved and some new approaches are being taken to protect and enhance our nature, the IDB BAP approach remains the most suitable tool to help IDBs to deliver their statutory conservation duties.

This revised BAP takes into account the most up to date legislation, policy and best practice, and includes current local strategies, plans and priorities for nature conservation. An up-to-date biodiversity audit has also been completed which has identified the valuable habitats and species within the district, but also sets out objectives to achieve improved biodiversity in general. These new and challenging targets and objectives have been set to ensure that the IDB continues to contribute to the Government's 25 Year Environment Plan and meet the associated new legislative requirements.

3. Introduction

3.1. What is biodiversity and why is it important?

Biodiversity can be defined simply as “the variety of life” and encompasses the whole spectrum of living organisms, including plants, birds, mammals and insects. It includes both common and rare species, as well as the genetic diversity within species. Biodiversity also refers to the habitats and ecosystems that support these species.

Biodiversity is part of our natural capital, a vital resource providing:

- Supply of ecosystem services including clean water, nutrients, climate change mitigation, flood mitigation, carbon storage and pollination;
- Life resources including food, medicine, energy and raw materials;
- Improved health and well-being;
- Landscape and cultural distinctiveness;
- Direct economic benefits from biodiversity resources and ‘added value’ through local economic activity and tourism;
- Educational, recreational and amenity resources.

This Biodiversity Action Plan is part of a much larger biodiversity framework that encompasses international, national and local levels of legislation and policy and which also include ecosystem services and climate change.

3.2. Legislative Background

When carrying out its functions, an IDB must pay particular regard to the effects their actions have on the natural environment. Some environmental legislation relates specifically to maintaining or restoring the condition of protected sites or protecting certain species, but there are also statutory duties for IDBs to conserve and enhance biodiversity in general, in and alongside the watercourses they manage and the wider landscape.

The Natural Environment and Rural Communities Act 2006 places a duty on IDBs to conserve biodiversity. The Environment Act 2021 extends this duty to also include the enhancement of biodiversity, and associated statutory reporting to demonstrate the actions they have taken to do so. Below is a list of key environmental legislation (by no means an exhaustive list) relevant to the work of IDBs:

- The Environment Act 2021
- Conservation of Habitats and Species Regulations 2017
- Eels (England and Wales) Regulations 2009
- Water Environment (Water Framework Directive) (England and Wales) Regulations 2003
- Natural Environment and Rural Communities Act 2006 (Section 40)
- The Environmental Impact Assessment (Land Drainage Improvement Works) (Amendment) Regulations 2017
- Land Drainage Act 1994
- Wildlife and Countryside Act 1981 (as amended)
- The Countryside and Rights of Way Act 2000
- The Protection of Badgers Act 1992

- Flood and Water Management Act 2010
- Salmon and Freshwater Fisheries Act 1975
- Hedgerow Regulations 2024

3.3. Policy & Strategic Background

In 1992 at the United Nations Conference on the Environment and Development, commonly known as the **Rio Earth Summit**, the UK signed the Convention on Biological Diversity which pledged its commitment to contribute towards halting the worldwide loss of habitats and species and their genetic resources. At the 2010 biodiversity summit in Nagoya, Japan, the UK re-affirmed this commitment and the “Biodiversity 2020” white paper was developed setting out how those commitments would be put into action.

Also in 2010, the report by Sir John Lawton “Making Space for Nature” set out that ecological networks were required in order to halt and reverse the declines seen in many threatened species and habitats. The report succinctly made clear that these ecological networks needed to be bigger, more frequent, better in quality, and more joined up in order to be successful in their ambitions.

The Government’s Biodiversity 2020 strategy was published in 2011 and set out the ambition to halt overall loss of England’s biodiversity by 2020. The publication of the 25 Year Environment Plan (2018) followed along with the first UK Environmental Improvement Plan; a more long-term strategy for nature recovery beyond 2020. The Environment Act 2021 further provided for the development of Local Nature Recovery Strategies (LNRS) and along with the EIP, helps to better define the priorities, targets, and goals for successful nature recovery. The enhancements IDBs can make to their management of their arterial networks of drainage channels across the landscape are key to delivering these goals.

Importantly, These policies and strategies take into account the value of the ecological services provided by non-priority species and habitats such as the carbon sequestration of wetlands, the flood alleviation of tree-planting in the uplands and the wellbeing benefits brought about by green space. As such, this BAP presents the actions planned by the IDB to support both priority and non-priority species.

Numerous national and international reports have recognized and reaffirmed that climate change in particular is considered to be one of the biggest threats to our biodiversity now, and in the future. Supporting the continuity, connectivity and quality of habitat through management, restoration and expansion of our drainage ditches may help even the less mobile species to adapt more easily to climate change. This BAP presents the actions the IDB can take to support climate resilience for biodiversity.

3.4. UK Biodiversity Indicators

The latest (Dec 2025) update of the UK Biodiversity Indicators (UKBIs), produced each year by DEFRA and JNCC, give a snapshot of the current status of biodiversity in the UK, and track trends over time, showing whether aspects of biodiversity are improving, declining, or remaining stable.

The UKBIs are used in reporting the UK’s progress against goals and targets agreed under the **Convention on Biological Diversity (CBD)**. The UKBIs include 39 indicators, comprising 68 measures in total.

The overall summary for 2025 concludes that more indicators are deteriorating or showing no change than improving, over both the long and short term.

The table below is an extract of the full list of indicators and measures and includes those that could be influenced by the activities of the IDB. Regardless of the current status or trend of the indicator, its presence in the UKBIs is sufficient reason for it to be recognized by IDBs as one that should be a priority for action and therefore included as part of this BAP.

Table 1: Extract of the UKBI summary table of trends and status of indicators and measures as at December 2025

Key:			
		Deteriorating	Improving
		Little or no overall change	Not assessed / Insufficient data
Indicator	Measure	Long term period	Short term period
Birds of the wider countryside and at sea	All bird species	1970 to 2024	2019 to 2024
	Breeding birds on farmland	1970 to 2024	2019 to 2024
	Breeding birds in woodland	1970 to 2024	2019 to 2024
	Breeding wetland birds	1975 to 2024	2019 to 2024
	Breeding seabirds	1986 to 2024	2019 to 2024
	Wintering waterbirds	1975/1976 to 2023/2024	2018/2019 to 2023/2024
	Breeding upland birds	1994 to 2024	2019 to 2024
Insects of the wider countryside (butterflies)	All species of butterfly	1976 to 2024	2014 to 2024
	Habitat specialist butterflies	1990 to 2024	2014 to 2024
	Generalist butterflies	1990 to 2024	2014 to 2024
	Farmland specialist butterflies	1990 to 2024	2014 to 2024
	Woodland specialist butterflies	1990 to 2024	2014 to 2024
Mammals of the wider countryside (bats)	Change in the abundance of bat populations	1999 to 2023	2018 to 2023
Plants of the wider countryside in the UK	Arable field margins		
	Bog and wet heath		
	Broadleaved woodland and hedges		
	Lowland grassland		
Status of priority species: distribution	Priority species distribution		
Status of priority species: relative abundance	Priority species abundance	1970 to 2023	2018 to 2023
Status of threatened species: species of European importance	Conservation status of species of European importance	2007 to 2019	2013 to 2019
Area of land in agri-environment schemes	Area of land under higher-level or targeted agri-environment schemes	1992 to 2022	2017 to 2022
Extent and condition of protected areas	Total extent of protected areas on land	1950 to 2025	2020 to 2025
	Condition of Areas or Sites of Special Scientific Interest		
Habitat connectivity	Habitat connectivity		
Status of threatened habitats: habitats of European importance	Conservation status of habitats of European importance	2007 to 2019	2013 to 2019
Surface water status	Percentage of UK surface water bodies in High or Good ecological status	2009 to 2024	2019 to 2024
Expenditure on UK and international biodiversity	Non-governmental organisation and private sector spending on biodiversity in the UK	2010/2011 to 2023/2024	2018/2019 to 2023/2024
Integration of biodiversity considerations into business activity	Proportion of medium and large UK businesses with ISO 14001 certification		
Pressure from invasive species	Number of terrestrial species establishments	1969 to 2024	
	Number of freshwater species establishments	1969 to 2024	
	Rate of establishment	1920 to 2022	2017 to 2022
Awareness, understanding and support for conservation	Awareness, understanding and support for conservation		
Status of pollinating insects	Change in the distribution pollinators in the UK		
Biodiversity data for decision making	Cumulative number of records in the National Biodiversity Network		
	Number of publicly accessible records at 1 square kilometre resolution or better		
Biodiversity information for conservation decision making	Number of records downloaded		2019 to 2024
	Number of download events		2019 to 2024
	Number of NBN Atlas users		2019 to 2024

3.5. Purpose

This BAP has been produced to demonstrate how the IDB fulfils its legal obligations to conserve and enhance biodiversity and sets out targets and actions that contribute to local, national and international strategies and policies.

While the IDB has a statutory duty to have regard for the environment whilst carrying out their functions, for example on or within drainage assets such as watercourses and their banks, the IDB has also to give consideration to how they can contribute to the enhancement of the wider environment.

It is not within the scope of this document to set out the IDBs' objectives and actions in relation to wider environmental topics, such as reducing carbon emissions or reducing waste. However, strategies to address such topics may be mentioned in connection to the enhancement of habitats and species, such as peatland restoration and carbon sequestration.

The opportunity to work together to support and enhance biodiversity in partnership with other organisations is sought wherever possible, as the IDB recognises the additional value working in such ways can bring to the overall objectives.

The intention is that biodiversity is fully integrated into the Board's activities, policies and procedures such as annual maintenance programmes, capital works projects, training and communications.

3.6. Vision

The IDB's vision is:

A drainage district where thriving wildlife is an integral part of delivering efficient and effective water-level management.

3.7. Aims

The aims of this BAP are:

- To ensure that opportunities for conservation and enhancement of biodiversity are fully considered throughout the IDB's operations;
- To enable more effective monitoring and reporting of progress and outcomes;
- To ensure that priority species and habitats receive effective action within defined targets within the drainage district;
- To identify targets and appropriate actions for other habitats and species of local importance within the drainage district. This includes invasive non-native species;
- To contribute to local environmental partnerships and strategies such as the Local Nature Recovery Strategies to ensure that programmes and priorities for biodiversity conservation are aligned and maintained in the long term;
- To raise awareness, within the IDB and locally, of the need for biodiversity conservation and reporting, and to communicate with the local and wider community about what actions the IDB is undertaking to support biodiversity.

4. The IDB BAP Process

4.1. The Biodiversity Audit

Middle Level Commissioners on behalf of March 5th District Drainage Commissioners has conducted a biodiversity audit of its drainage district (Figure 1) and identified those habitats and species that would benefit from particular management or actions by the IDB.

This audit focuses on nationally important priority habitats and species, that is to say those that have been deemed of 'principal importance' in England under the NERC Act 2006. However, those that are not priority species or habitats, but may be locally significant for a variety of reasons have also been considered. Invasive non-native species have also been included.

The information gathered, which is presented in later sections, has been used to develop this IDB's Biodiversity Action Plan.

4.2. Objectives and Actions

Conservation and enhancement **objectives** have been identified for each included habitat and species. The action plan then details individual **actions** required to achieve the objectives, and the associated monitoring and reporting of progress and impact.

In order for this BAP to be as effective as possible, the actions have been devised to be SMART (Specific, Measurable, Achievable, Relevant and Time-limited).

Procedural actions have also been considered allowing the Board to measure the way in which it considers and incorporates biodiversity across the whole range of its operations. These may involve changes to administrative, management and operating procedures.

4.3. Monitoring and Reporting

Monitoring is the on-going process of regularly collecting and analysing relevant information to determine whether the actions within the Plan are positively contributing towards the objectives, and to capture any additional benefit achieved. The Plan sets out how and when this monitoring will take place throughout the life of the plan.

The frequency and type of information reported is also defined by the Plan and includes the publication of progress reports in the public domain via the IDB's website and in accordance with the duty set out in the Environment Act 2021.

The overall plan will be updated at least every 5 years but as this is a dynamic document it may change more frequently. For example, in the light of routine monitoring or local strategy introductions, changes may be necessary to ensure an objective can be met.

5. The Biodiversity Audit

5.1. The March 5th Internal Drainage District

The drainage district is located to the north west of the Middle Level Area in the county of Cambridgeshire.

The following outlines the key details of the District:

- Total area of the drainage district: **409 ha**
- Catchment area draining to and including the District: **525 ha**
- Area of agricultural land: **330 ha**
- Area of other (non-agricultural) land: **79 ha**

NOTE: The IDB catchment includes an area of higher land which drains via gravity into the IDB ditches (see Figure 1). Because there are no channels within these areas, the IDB has less presence, and therefore less control or influence over the conservation of the features within the area. However, it is important to note that the features mentioned within these higher land areas still benefit from the downstream channel maintenance and water level management activities of the IDB.

Assets for which the Board has operational responsibility:

- Water level control structures: 4
- Watercourses (maintained): 8 km
- Raised embankments: N/A
- Reservoirs: N/A
- Sustainable drainage systems (SuDS): N/A
- Pumping Stations: 2
- Extent of “other” land owned:
The “Slamp” 1.5ha alongside the river Nene

Assets within or adjacent to the District that are maintained by the Environment Agency:

- Main Rivers: 0 km
- Raised embankments/flood walls: 0 km
- Pumping Stations: N/A

5.2. Map of Audit Area (Drainage District)

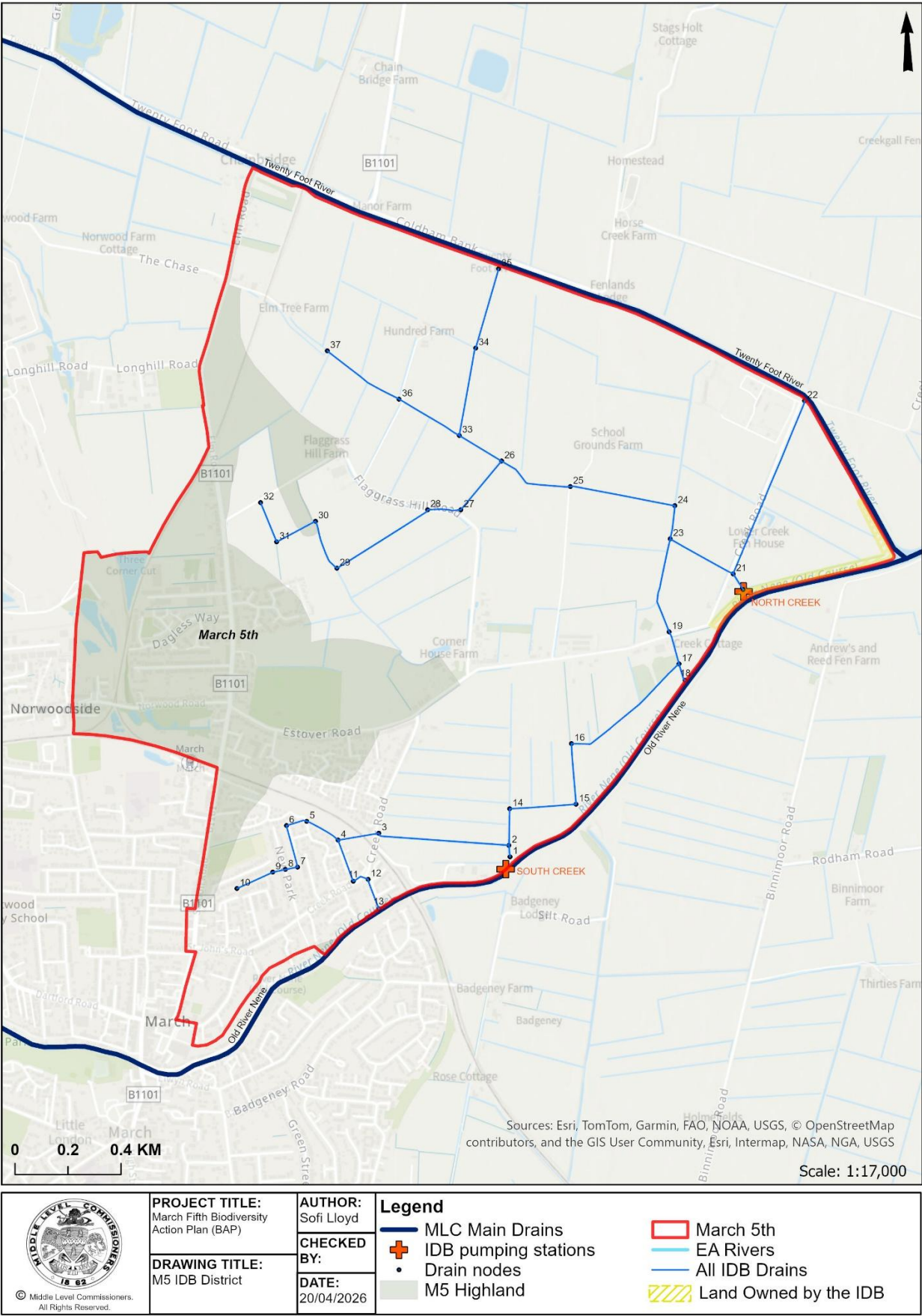


Figure 1. March 5th District Drainage Commissioners District

5.3. Geology & Soils & Peat

Table 2: Geology, peat extent and soils within the March 5th DDC Area

Geology Layer	Description	Related Map
Bedrock	Sedimentary, primarily composed of Ampthill Clay Formation-Mudstone. These rocks are detrital, of shallow-marine origin, ranging from coarse to fine grained, with some local carbonate content, forming interbedded sequences	N/A
Superficial Geology	North: Tidal flat deposits-Clay and silt. These sedimentary deposits are shallow-marine in origin. They are detrital, generally coarse-grained forming beaches and bars in a coastal setting. Central & southwestern: March Gravels Member-Sand and gravel. These sedimentary deposits are shallow-marine in origin. They are detrital, generally coarse-grained forming beaches and bars in a coastal setting. Southwestern: Oadby Till Member-Diamicton. These sedimentary deposits are glacial in origin. They are detrital, created by the action of ice and meltwater, they can form a wide range of deposits and geomorphologies associated with glacial and inter-glacial periods during the Quaternary.	Figure 2
Soils	North: Loamy and clayey soils of coastal flats with naturally high groundwater Central: Loamy and sandy soils with naturally high groundwater and a peaty surface Southwestern: Freely draining slightly acid loamy soils	Figure 3
Peat	The following sources have been interrogated which suggest that some patches of shallow depth peat remain across a previous “peaty” arc running from the west to central area and to the south IDB boundary: - BGS Boreholes data - https://mapapps2.bgs.ac.uk/geoindex/home.html?layer=BGSBoreholes&_ga=2.93480798.298319960.1728295174-1769537369.1728295174 - England Peat Map - https://england-peat-map-portal-ncea.hub.arcgis.com/ - Soil Surface Map (below) - LandIS - Land Information System - Soilsclapes soil types viewer	Figure 4

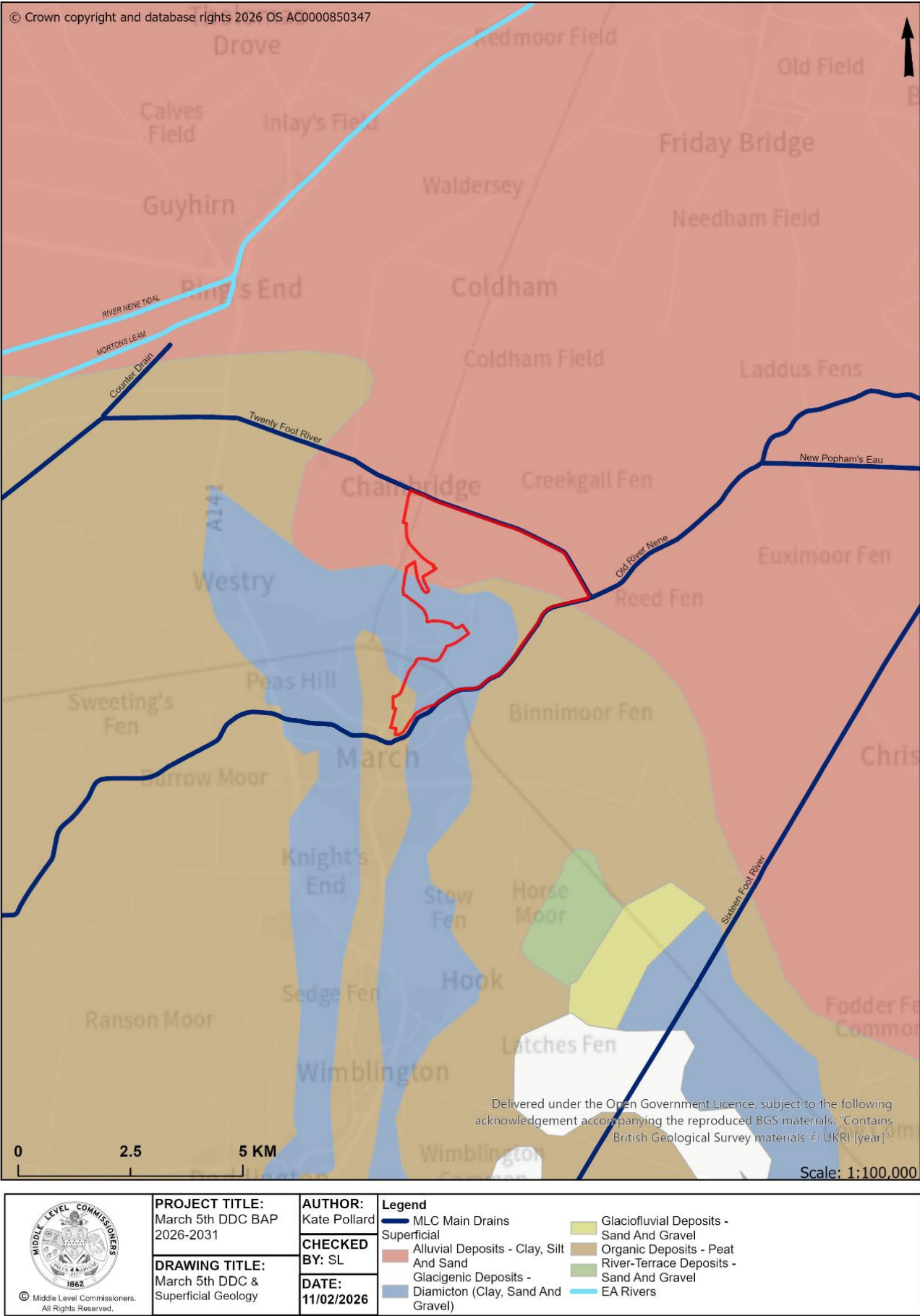


Figure 2. March 5th DDC map of superficial geology

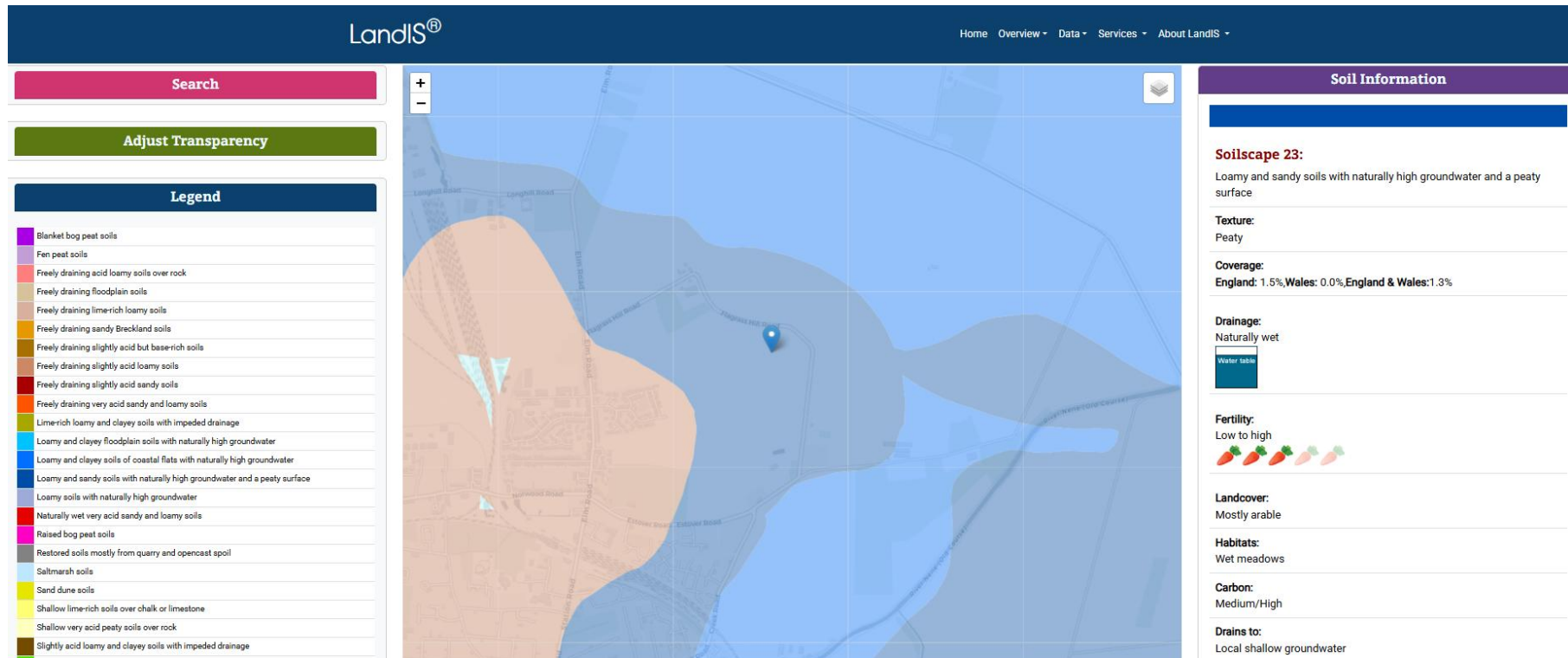


Figure 3. March 5th DDC map of soils

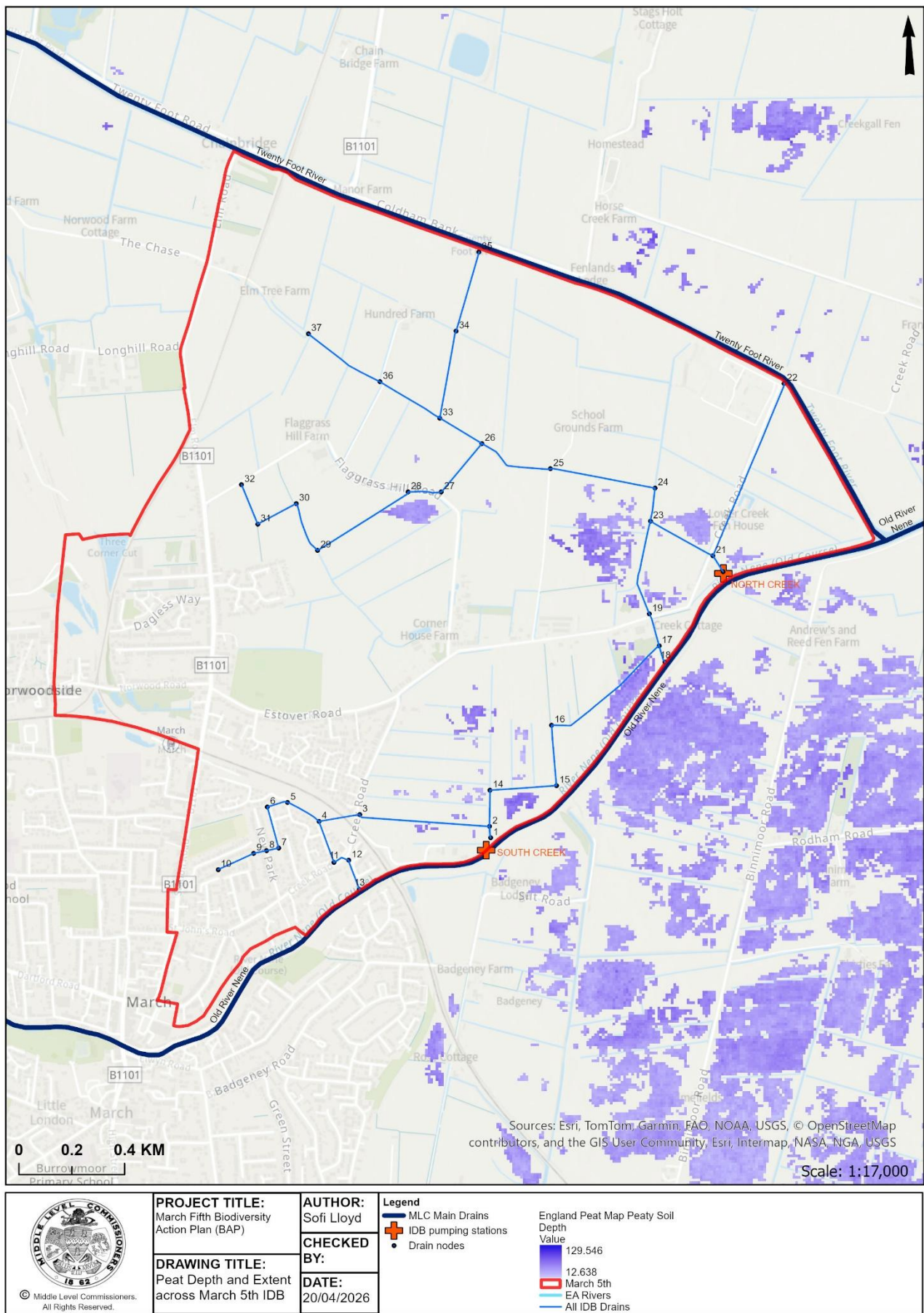


Figure 4 - Peat Depths across March 5th DDC area

5.4. Landscape Character

Natural England has divided the whole of England into a number of National Character Areas (NCA) based on characteristic landforms, wildlife and land use. For each NCA, there is a prepared profile that characterises the wildlife and natural features, identifies the influences that act upon those features and sets objectives for nature conservation.

March 5th DDC sits within the Fens as shown in Figure 5 below. The NCA has a number of environmental enhancement targets defined within it, called Statements of Environmental Opportunity, (SEO). As part of this BAP, these have been reviewed and those that can be influenced or controlled by the IDB have been included as part of the BAP objectives. The full list of environmental opportunities are included in Appendix I but a summary is as follows:

The Fens Statements of Environmental Opportunity (SEO):

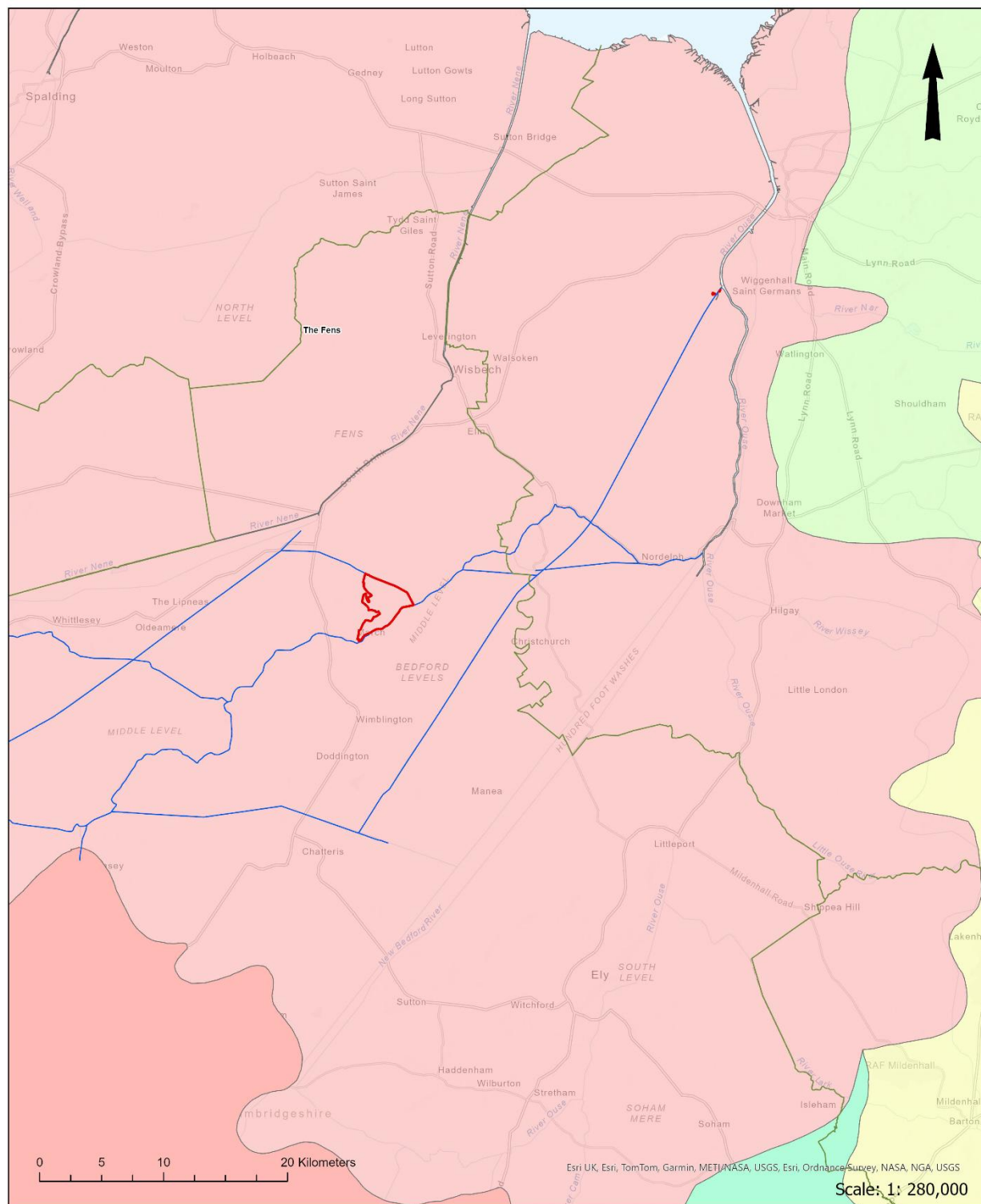
- **SEO 1:** Manage the agricultural landscape and soils which allow the Fens to be a major provider of food and horticultural produce, while seeking to enhance opportunities for biodiversity.
- **SEO 2:** Manage the core wetland complexes and increase their connectivity by enhancing the main rivers, waterways and their associated riparian habitats and improve recreational access opportunities to the Fens.
- **SEO 3:** Plan for the creation of new coastal landscapes in the Wash area that are adapted and resilient to the impact of climate change, for the benefit of people and wildlife.
- **SEO 4:** Conserve, manage and enhance the Fens landscape and increase educational opportunities to access its geodiversity, archaeology and cultural heritage to enhance enjoyment and understanding for those who live and work in and visit the Fens.

5.5. Landscape Designations

N/A

5.6. Sites and Monuments (Table 3)

Feature Name	Designation	Desc.	Features Relevant to IDB
March East Junction Signal Box	Grade II listed feature	https://historicengland.org.uk/listing/the-list/list-entry/1408197	Not in close proximity to IDB drains and in the highland area so unlikely to be influenced by IDB activities, but will benefit from local water level management
Gate piers, gates and adjoining wall, at entrance to the cemetery	Grade II listed feature	https://historicengland.org.uk/listing/the-list/list-entry/1216397	Not in close proximity to IDB drains and in the highland area so unlikely to be influenced by IDB activities, but will benefit from local water level management
Lodge at entry to cemetery	Grade II listed feature	https://historicengland.org.uk/listing/the-list/list-entry/1216393	Not in close proximity to IDB drains and in the highland area so unlikely to be influenced by IDB activities, but will benefit from local water level management
Chapel cemetery and Mortuary	Grade II listed feature	https://historicengland.org.uk/listing/the-list/list-entry/1216405	Not in close proximity to IDB drains and in the highland area so unlikely to be influenced by IDB activities, but will benefit from local water level management
Church of St John	Grade II listed feature	https://historicengland.org.uk/listing/the-list/list-entry/1216406	Not in close proximity to IDB drains and in the highland area so unlikely to be influenced by IDB activities, but will benefit from local water level management



	PROJECT TITLE March 5th BAP 2026-2031	AUTHOR AFL	LEGEND NA Name  Breckland  East Anglian Chalk  North Norfolk  The Fens  West Anglian Plain  County Boundary  Main Drains
	DRAWING TITLE March 5th within the context of the Fens National Character Area.	CHECKED BY SL	
		DATE 17/04/2026	

Figure 5. Map of March 5th DDC within the Fens NCA

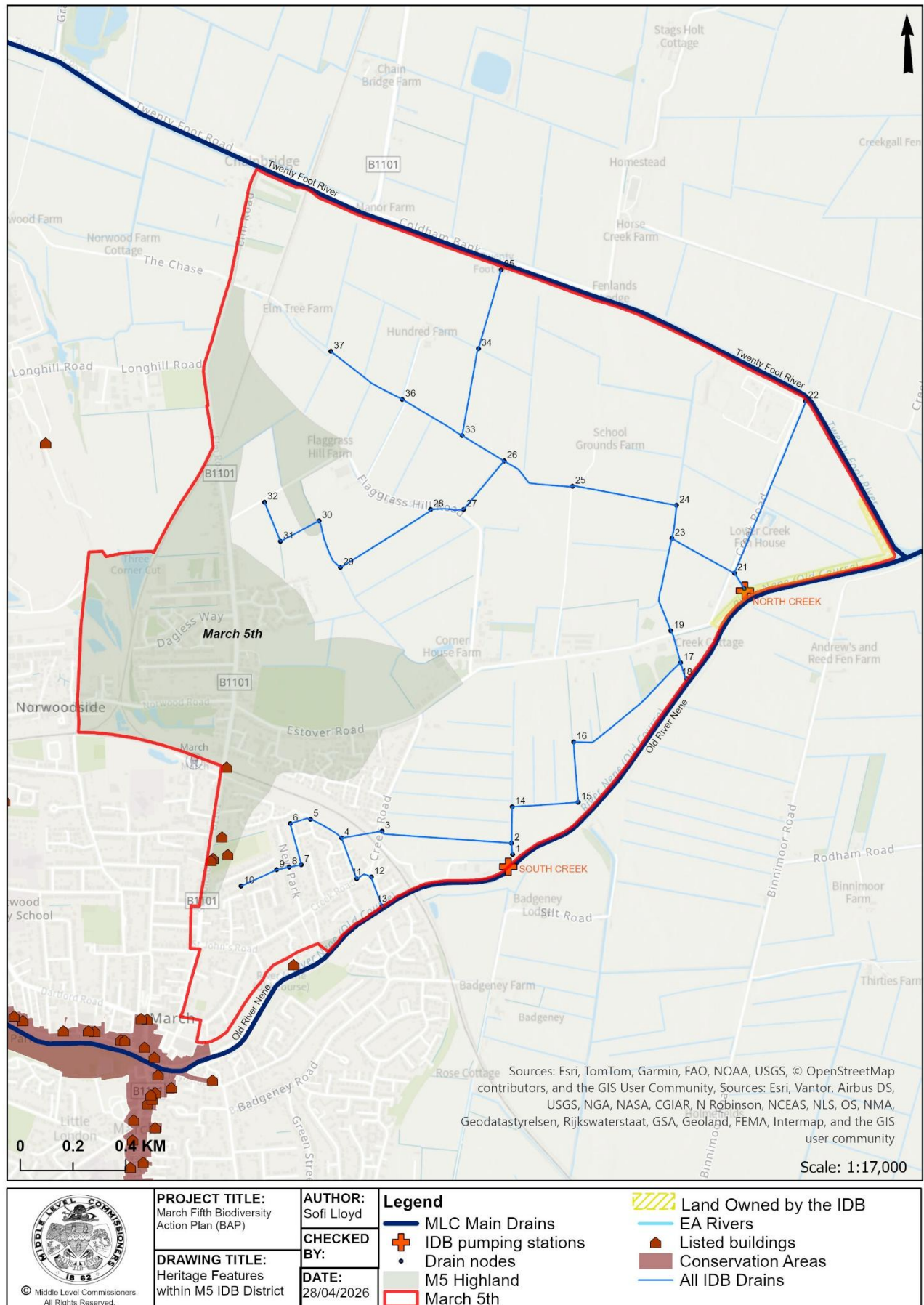


Figure 6. Map of heritage features within March 5th District Drainage Commissioners Area

5.7. Tree Preservation Orders

There are a number of protected trees and protected tree areas within the March 5th District Drainage Commissioners Area, but these are predominantly within the highland area of the District and not in close proximity to the IDB channels so would not be influenced by IDB works.

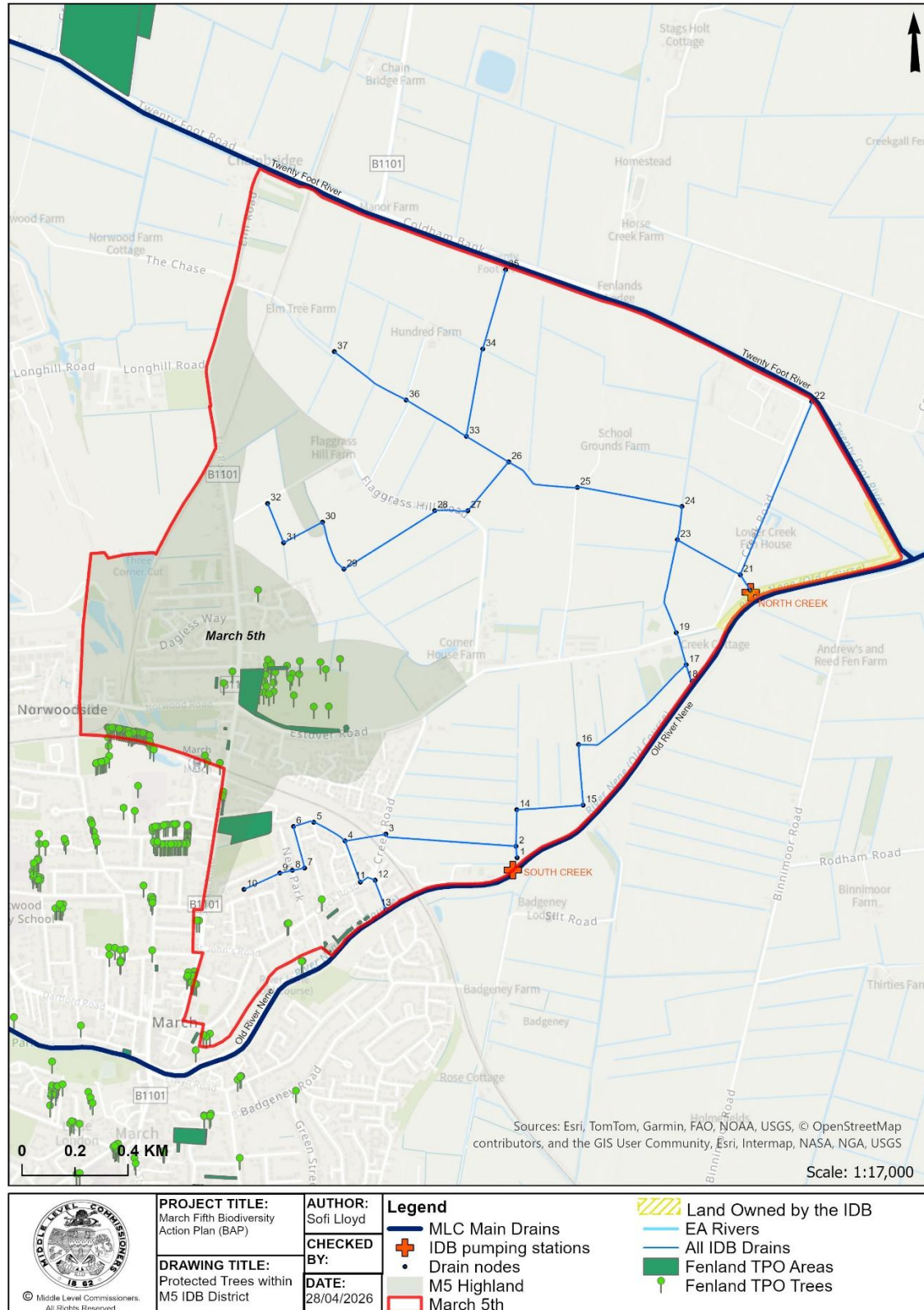


Figure 7 - Map of Protected Trees Locations within March 5th DDC Area

5.8. Statutory Nature Conservation Sites

5.8.1 Internationally Designated Sites

N/A

5.8.2 Nationally Designated Sites

N/A

5.8.3 Local Nature Reserves (LNR)

N/A

5.8.4 Non-statutory Nature Conservation Sites

N/A

5.9. Habitat Audit Summary

This habitat audit summary lists the UK and priority habitats that occur within the drainage district. A map of the Priority Habitats polygons within the district are shown in Figure 8. Linear and more general priority habitats are not mapped. Brief notes are included on the potential for the IDB to maintain, restore or expand the habitats present.

Table 4. Habitat Audit Summary

National Priority Habitat	National Status & Extent	Habitat classification	National Targets	Local Priority Habitat	Local Status and Extent	Local Targets	IDB Potential for Maintaining, Restoring or Expanding Habitat (high/medium/low)
Traditional Orchard	24,600 to 27,000 ha	BNG: Traditional Orchard UKHab: Grassland – Traditional Orchard	4,700 hectares of traditional orchards to be created or brought into favourable condition (25YEP)	Woodland (LNRS)	Very small patch <2ha	WO 8 - Improve the management of traditional orchards and seek to expand them where possible.	Low – Med – Orchards traditional relied upon IDBs holding water levels high in adjacent drains in the summer months. Those that are adjacent to IDB drains could benefit, if restored, from IDB water level management.
No Main Habitat	N/A	A “main” habitat type cannot be assigned but potentially significant habitats are still present	Protecting 30% of land and sea by 2030	Habitat Mosaic (LNRS)	Tiny patch < ha	M1 - Improve the diversity of habitats at a landscape and site-scale to increase the diversity and abundance of species and make them more resilient to climate change.	Low – Not on land owned or managed by the IDB. Use IDB networks to encourage its retention, favourable management and support its expansion/improvement if appropriate.
Rivers & Streams	n/a	Fen Main Drains and drainage ditches	WFD - Improving at least 75% of waters to Good Ecological Status or Potential by 2027	Rivers, chalk streams & drainage ditches (LNRS)	Locally abundant	RD5 - enhance the network of fenland farm drainage ditches by providing habitat buffers and improving water quality	High – Manage ditches according to best practice & SOPs to maximise opportunities for biodiversity
Arable Field Margins	N/A	UKHab: C1a Arable field margins		Farmed Landscape (LNRS)	Locally frequent	F1 - Increase the presence and quality of biodiversity rich arable field margins around farmland to improve the diversity of farmland species and provide habitat that is connected and more resilient to climate change.	Med – Encourage landowners in IDB network to establish good quality stewardship field margins
Hedgerows	Approx. 390,000 km in England	BNG: Hedgerow UK Hab: Native Hedgerow H2	Create or restore 30,000 miles of hedgerows by 2037 and 45,000 miles by 2050	Farmed Landscape (LNRS)	Locally frequent	F4 - Increase the presence of hedgerows around farmland to control run-off, improve the abundance and diversity of farmland species and provide habitat that is connected and more resilient to climate change	Med – Retain hedgerows within IDB control and manage favourably. Encourage the retention and favourable management of hedgerows on private and community land and creation where appropriate.

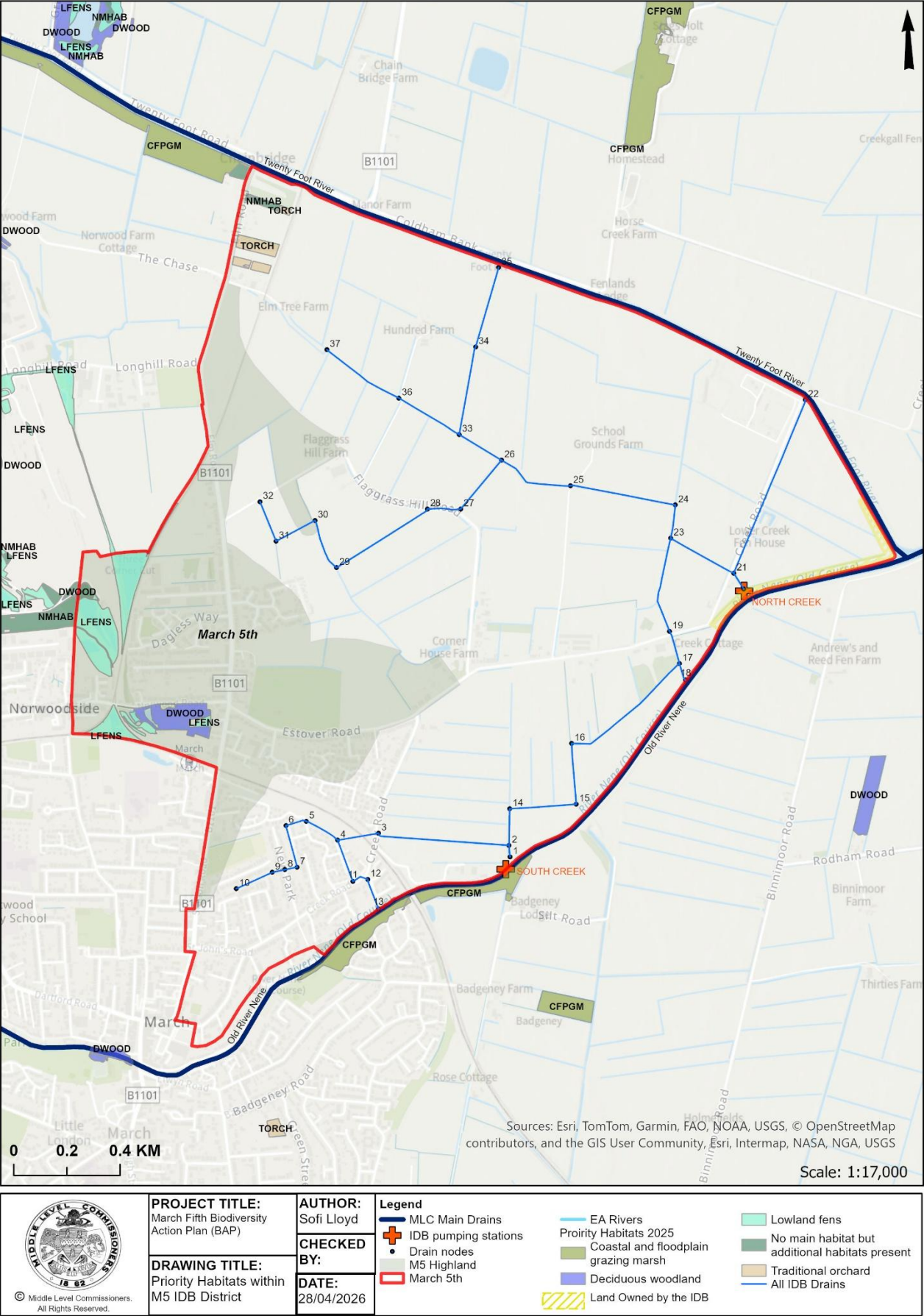


Figure 8. Map of Priority Habitats in March 5th District Drainage Commissioners Area

The Local Nature Recovery Strategy (LNRS) for Cambridgeshire, published on the 23rd December 2025, identifies a number of additional habitats that are of importance for conservation and creation within Cambridgeshire. There is potential for some such habitats to be created or restored within the IDB District. Those which could be directly influenced and/or supported by the Boards' activities have been mapped in the LNRS in Figure 9 and/or are detailed in the below table.

Table 5. LNRS habitats prioritized for action that are relevant to IDB Activities

LNRS Priority Habitat	Local Targets	IDB Potential for Supporting / Influencing Habitat (high/medium/low)
Fen Droves (LNRS)	U3B– Map the locations of fen droves and identify remaining biodiversity hotspots, including for locally significant species such as elms and scarce invertebrate species. F4B - Identify all fen droves with important populations of elms or assemblages of invertebrate species and prioritise the protection and enhancement of the hedgerows and associated grasslands.	High – Use local knowledge within IDBs to map and identify ownership, provenance and status. Encourage and support landowners in IDB network to retain, survey, protect and enhance, particularly those adjacent to IDB drains or used to access and/or maintain IDB drains.
Urban Landscapes (LNRS)	U2A - Create new natural greenspaces prioritising areas at most risk of health impacts (as identified by the Environmental Justice Index). New natural greenspaces would be of a minimum 0.5 hectares in size, with larger sites preferable, to contribute to natural greenspace accessibility standards.	Med – IDB is unlikely to own land and have minimal access to land suitable for improvement of public access but may encourage and support landowners within the IDB network to create opportunities for new greenspace and support urban greenspace projects, particularly through water level management.

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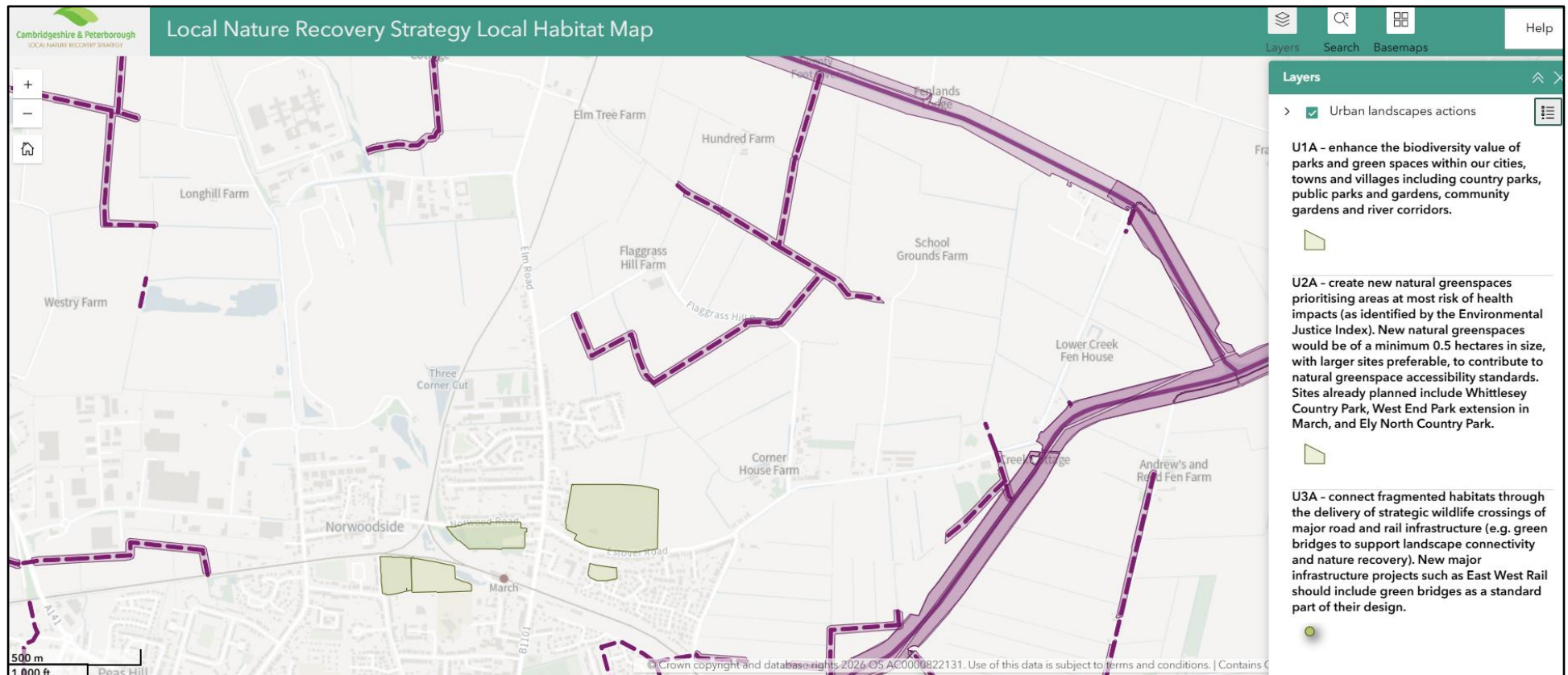


Figure 9. Mapped Priority Habitat Action Opportunities as detailed in the Cambridgeshire LNRS (published: 23rd December 2025) in March 5th District Drainage Commissioners, available from this link: <https://www.cambridgeshire.gov.uk/residents/climate-change-energy-and-environment/improving-the-natural-environment/cambridgeshire-and-peterborough-local-nature-recovery-strategy#local-nature-recovery-strategy-published-5-0>

5.10. Species Audit Summary

There are 211 protected, priority or other notable species that have previously been recorded within the district, as reported by the Local Environmental Records Centre (LERC). Of these, 106 species are associated with the habitats the Board manages and so could be influenced by the Boards' activities. A table listing these species is provided below.

Table 6: Rare, protected, notable and priority species previously recorded within the drainage district:

Taxon	Common Name	Scientific Name	Conservation Status	Potential for IDBs to influence	Species Info
Bird	Barn Owl	<i>Tyto alba</i>	CPASI, WCA1i, LNRS	Yes. Manage existing boxes, fund and install new ones where necessary and support box surveys. Retain areas of taller bank veg to support small mammals.	Species is still under threat from a range of factors relating to agricultural intensification and urbanisation. Erect and manage Barn Owl Boxes.
	Corn Bunting	<i>Emberiza calandra</i>	Sect.41, UKBAP, LNRS	Moderate. Rotationally manage ditch vegetation to maximise diversity which will support better numbers of inverts for chick food. Encourage cereal retention options in stewardship agreements next to ditches. Record sightings.	A key farmland indicator species. Has had a dramatic decline nationally and has been lost from many areas of the county but still remains in good numbers locally. Availability of invertebrates in summer and seeds in the winter are key to its abundance. Manage ditch vegetation to maximise diversity which will support better numbers of inverts.
	Grey Partridge	<i>Perdix perdix</i>	Sect.41, UKBAP, LNRS	Limited. Promote uptake of environmental stewardship riparian buffer strip options. Record sightings.	Localised breeding species in the county, with the main populations in Cambs. in the South Cambs. chalk areas. Promote Environmental stewardship alongside IDB drains for a number of reasons
	Kingfisher	<i>Alcedo atthis</i>	WCA1i, LNRS	Yes. Check and maintain artificial nest sites. Retain bank-side trees / scrub as fishing perches and as a refuge for small fish which the bird eats. Record sightings.	Check and maintain artificial nest sites. Retain bank-side trees / scrub as fishing perches and as a refuge for small fish which the bird eats.
	Swift	<i>Apus apus</i>	CPASI, LNRS	Yes. Fund nest boxes and manage ditches to provide insect-rich foraging near nest sites.	Associated with buildings for nesting but may forage along drains and margins
	Bewick's Swan	<i>Cygnus columbianus bewickii</i>	Sect.41, UKBAP, WCA1i	Limited. Identify opportunities to support wetland creation and conservation.	Overwintering population in the Fens. Sensitive to wetland loss and modification.
	Quail	<i>Coturnix coturnix</i>	WCA1i	Limited. Encourage establishment and retention of arable margins.	Spring and summer visitors favouring arable farmland and open grassland.
	Whooper Swan	<i>Cygnus cygnus</i>	WCA1i	Limited. Identify opportunities to support wetland creation and conservation.	Overwintering population in the Fens. Sensitive to wetland loss and modification.

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Bird	Turtle Dove	<i>Streptopelia turtur</i>	Sect.41, UKBAP, LNRS	Yes. Retain dense mature scrub stands i.e. bramble near water and manage extent rather than remove. Retain bankside trees and pollard rather than remove. Retain marginal and bank vegetation as much as possible and cut banks rotationally outside of bird nesting season. Trim hedges outside bird nesting season. Encourage farmers to establish stewardship margins alongside hedgerows and ditches for foraging. Record sightings.	Hedge & scrub nesters
	Bullfinch	<i>Pyrrhula pyrrhula</i>	Sect.41, UKBAP		Dense hedge and scrub nesters
	Black-necked Grebe	<i>Podiceps nigricollis</i>	WCA1i, LNRS		Reedbed nesters
	Cuckoo	<i>Cuculus canorus</i>	Sect.41, UKBAP		Will often use a reed warbler's nest to lay and egg for them to raise so can be present in nests in reeds.
	Curlew	<i>Numenius arquata</i>	Sect.41, UKBAP		Ground nesters in rough/damp pasture
	Duncock	<i>Prunella modularis</i>	Sect.41, UKBAP		Hedge & scrub nesters
	House Sparrow	<i>Passer domesticus</i>	Sect.41, UKBAP		Dense hedge nesters
	Linnet	<i>Linaria cannabina</i>	Sect.41, UKBAP		Ground & low scrub/hedge nesters
	Marsh Harrier	<i>Circus aeruginosus</i>	WCA1i		Ground-nesters using reedbeds and grassy margins
	Reed Bunting	<i>Emberiza schoeniclus</i>	Sect.41, UKBAP		Ground, or near to, nesting birds with broods into late August. Favour ditch edges and grass margins.
	Song Thrush	<i>Turdus philomelos</i>	Sect.41, UKBAP		Nest low in hedges and scrub
	Spotted Flycatcher	<i>Muscicapa striata</i>	Sect.41, UKBAP		Dense hedge and scrub nesters
	Tree Sparrow	<i>Passer montanus</i>	Sect.41, UKBAP		Hedge & scrub nesters
	Yellow Wagtail	<i>Motacilla flava</i>	Sect.41, UKBAP		Ground nesters in damp channel margins and banks and agricultural margins.
	Yellowhammer	<i>Emberiza citrinella</i>	Sect.41, UKBAP		Ground, or near to, nesting birds with broods into late August. Favour ditch edges and grass margins.
Fern	Adder's-tongue	<i>Ophioglossum vulgatum</i>	CPASI	Limited. Better management and reinstatement of principal habitats may encourage recolonisation of areas it has previously been lost from.	Prefers open woodland, meadows and damp pasture as well as regularly mown fen
Flowering Plant	Chicory	<i>Cichorium intybus</i>	RENG.VU	Yes. Maintain a programme of rotational bank cutting and desilting little and often to support aquatic, marginal and terrestrial plants. Where found, and/or diversity is high, identify the historic management regime and maintain it as closely as possible to retain valuable species or make informed improvements to regime to enhance the stand. Encourage establishment and retention of arable margins Look for in surveys, record presence & inform LERC. Limited.	
	Dittander	<i>Lepidium latifolium</i>	NS		
	Field Pepperwort	<i>Lepidium campestre</i>	RENG.Lr(NT)		Open grassland/arable specialist favouring sandy/gravelly soils.
	Frogbit	<i>Hydrocharis morsus-ranae</i>	CPASI, RENG.VU, RLGB.VU		
	Galingale	<i>Cyperus longus</i>	NS, RENG.Lr(NT), RLGB.Lr(NT)		
	Grass-wrack Pondweed	<i>Potamogeton compressus</i>	NS, RENG.EN, RLGB.EN, Sect.41, UKBAP		
	Pyramidal Orchid	<i>Anacamptis pyramidalis</i>	CPASI		
	Ragged-Robin	<i>Silene flos-cuculi</i>	RENG.Lr(NT)		

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Flowering Plant	Henbane	<i>Hyoscyamus niger</i>	RENG.VU, RLGB.VU	Limited. Be aware of presence on disturbed ground, particularly where burrowing mammals are present. Record presence and inform LERC.	An annual to biennial herb, found in a wide variety of disturbed habitats including arable field margins, tracks and roadsides, sand dunes, open areas in calcareous grassland, refuse tips, old sand- and gravel-pits and waste ground. It prefers disturbed ground, including rabbit warrens, badger setts and building sites,
	Round-fruited Rush	<i>Juncus compressus</i>	RENG.VU, RLGB.VU	Yes. Maintain a programme of rotational bank cutting and desilting little and often to support aquatic, marginal and terrestrial plants. Where found, and/or diversity is high, identify the historic management regime and maintain it as closely as possible to retain valuable species or make informed improvements to regime to enhance the stand. Encourage establishment and retention of arable margins. Look for in surveys, record presence & inform LERC. Limited.	
	Shining Pondweed	<i>Potamogeton lucens</i>	CPASI		
	Bur Medick	<i>Medicago minima</i>	NS, RENG.VU, RLGB.VU		A winter-annual herb of dry, open, well-drained, sandy or gravelly places, in short open turf and in disturbed ground; also occasionally found as a casual, on arable margins and as a top-soil contaminant
	Common Valerian	<i>Valeriana officinalis</i>	CPASI, RENG.Lr(NT)		A perennial herb found in a wide range of habitats. Subsp. sambucifolia occurs in damp grassland, marshes, fens, water margins and ditches, and wet woods
	Corn Marigold	<i>Glebionis segetum</i>	RENG.VU, RLGB.VU		An annual herb of arable fields on light, sandy or loamy soils that are deficient in calcium, as well as on disturbed soils on roadsides, waste ground and refuse tips;
	Early Meadow-grass	<i>Poa infirma</i>	NS		An annual grass growing in a variety of habitats close to the sea in trampled grassland, on cliff-top paths, tracksides, picnic sites, lawns, car parks, road verges and stabilized sand dunes, and increasingly on open ground in urban areas and, as an erect form, under trees. Lowland.
	Greater Bladderwort	<i>Utricularia vulgaris</i>	CPASI		Free-floating, insectivorous perennial herbs of still or sluggish, acidic to basic, nutrient-poor waters over inorganic or peaty substrates.
	Lesser Spearwort	<i>Ranunculus flammula</i>	CPASI, RENG.VU		A perennial herb of wet habitats, particularly those with seasonal water level fluctuations. It is found in springs and flushes, around ponds, on lake shores, streamsides, in dune-slacks, marshes, water-meadows, flood pastures, bogs and in ditches and track ruts.
	Smooth Cat's-ear	<i>Hypochaeris glabra</i>	RENG.VU, RLGB.VU		An annual herb of open summer-parched grasslands, heathy pastures, and arable margins on usually acidic, nutrient-poor, sandy or gravelly soils
Insect - Beetle (Coleoptera)	Adonis' Ladybird	<i>Hippodamia variegata</i>	Nb	Yes. Invertebrates use a wide range of plants as hosts for their larval stage and for feeding and egg laying in their adult stages. Aim to create and maintain the most diverse sward possible on banks, channel margins and in channel to support them by following a rotational vegetation management regime. Retain trees, hedgerows and scrub and plant more where possible. Look for in surveys, record presence & inform LERC.	Dry, rough vegetation in open, sunny environments.
	Berosus luridus	<i>Berosus luridus</i>	Nb, RLGB.Lr(NT)		Water beetle
	Dorytomus filirostris	<i>Dorytomus filirostris</i>	Nb		Favours floodplain forests and feeds on members of the Saliceae family
	Dytiscus dimidiatus	<i>Dytiscus dimidiatus</i>	RLGB.Lr(NT)		Diving beetle
	Enochrus quadripunctatus	<i>Enochrus quadripunctatus</i>	NS		
	Gymnetron villosulum	<i>Gymnetron villosulum</i>	Nb		
	Gyrinus paykulli	<i>Gyrinus paykulli</i>	NS		Water beetle

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Insect - Beetle (Coleoptera)	Hydaticus seminiger	<i>Hydaticus seminiger</i>	NS	Yes. Invertebrates use a wide range of plants as hosts for their larval stage and for feeding and egg laying in their adult stages. Aim to create and maintain the most diverse sward possible on banks, channel margins and in channel to support them by following a rotational vegetation management regime. Retain trees, hedgerows and scrub and plant more where possible. Look for in surveys, record presence & inform LERC	Diving beetle
	Hydrochus crenatus	<i>Hydrochus crenatus</i>	CPASI, RLGB.Lr(NT)		Found in slow moving streams or stagnant water bodies, where they are associated with dense vegetation.
	Hydrochus ignicollis	<i>Hydrochus ignicollis</i>	RLGB.Lr(NT)		Water beetle
	Microplontus campestris	<i>Microplontus campestris</i>	Nb		Occurs on disturbed ground, roadside verges and field margins. The species is phytophagous, associated with ox-eye daisy <i>Leucanthemum vulgare</i> . Some grazing, rotational cutting or other disturbance, such as rotovating, is necessary to maintain open conditions and encourage early successional stages
	Notaris scirpi	<i>Notaris scirpi</i>	Nb		This is a fairly large species, found at wetland sites on various species of Sedges, Rushes and Reeds.
	Olibrus pygmaeus	<i>Olibrus pygmaeus</i>	Nb		The adults feed on pollen and have been recorded from marshland, probably also grassland and disturbed ground
	Oxypoda lurida	<i>Oxypoda lurida</i>	N		Associated with open ground and has been found at the roots of herbage in grassland, coastal shingle, sand and gravel pits, gardens and parkland
	Oxystoma cerdo	<i>Oxystoma cerdo</i>	Nb		Associated with vetches esp. tufted vetch. Prefers floodplain fen, woodland rides, grassland, verges and hedgerows
	Squamapion cineraceum	<i>Squamapion cineraceum</i>	Na		Requires rotational disturbance to maintain open conditions with self-heal present.
	Stenus pusillus	<i>Stenus pusillus</i>	Nb		Favours wetland environments.
Insect - Butterfly	Grizzled Skipper	<i>Pyrgus malvae</i>	RLGB.VU, Sect.41, UKBAP, LNRS	Yes. Invertebrates use a wide range of plants as hosts for their larval stage and for feeding and egg laying in their adult stages. Aim to create and maintain the most diverse sward possible on banks, channel margins and in channel to support them by following a rotational vegetation management regime. Retain trees, hedgerows and scrub and plant more where possible. Look for in surveys, record presence & inform LERC.	Active management is needed to maintain suitable habitat where the suitable food plants grow (such as Creeping Cinquefoil, Agrimony and Wild Strawberry). Relatively open, patchy grassland seems to be preferred where there is some periodic disturbance. This includes land by railway lines and brownfield sites.
	Small Heath	<i>Coenonympha pamphilus</i>	RLGB.Lr(NT), Sect.41, UKBAP		
	Wall	<i>Lasiommata megera</i>	RLGB.Lr(NT), Sect.41, UKBAP		
Insect - Dragonfly (Odonata)	Scarce Chaser	<i>Libellula fulva</i>	RLGB.Lr(NT)		
	Variable Damselfly	<i>Coenagrion pulchellum</i>	RLGB.Lr(NT)		
Insect - Hymenopteran	Auplopus carbonarius	<i>Auplopus carbonarius</i>	Nb		The wasp tends to inhabit woodland, especially that with streams and marshy areas which provide wet mud and clay for nesting materials.
Insect - Moth	Beaded Chestnut	<i>Agrochola lychnidis</i>	Sect.41, UKBAP		
	Blood-vein	<i>Timandra comae</i>	Sect.41, UKBAP		
	Brindled Beauty	<i>Lycia hirtaria</i>	Sect.41, UKBAP		

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Insect - Moth	Brown-spot Pinion	<i>Anchoscelis litura</i>	Sect.41, UKBAP	Yes. Invertebrates use a wide range of plants as hosts for their larval stage and for feeding and egg laying in their adult stages. Aim to create and maintain the most diverse sward possible on banks, channel margins and in channel to support them by following a rotational vegetation management regime. Retain trees, hedgerows and scrub and plant more where possible. Look for in surveys, record presence & inform LERC.	
	Buff Ermine	<i>Spilosoma lutea</i>	Sect.41, UKBAP		
	Centre-barred Sallow	<i>Atethmia centrargo</i>	Sect.41, UKBAP		
	Cinnabar	<i>Tyria jacobaeae</i>	Sect.41, UKBAP		
	Crescent	<i>Helotropha leucostigma</i>	Sect.41, UKBAP		
	Dark Spinach	<i>Pelurga comitata</i>	Sect.41, UKBAP		
	Dark-barred Twin-spot Carpet	<i>Xanthorhoe ferrugata</i>	Sect.41, UKBAP		
	Dot Moth	<i>Melanchra persicariae</i>	Sect.41, UKBAP		
	Ear Moth	<i>Amphipoea oculatea</i>	Sect.41, UKBAP		Found in wetlands / fen
	Garden Dart	<i>Euxoa nigricans</i>	Sect.41, UKBAP		
	Garden Tiger	<i>Arctia caja</i>	Sect.41, UKBAP		
	Green-brindled Crescent	<i>Allophyes oxyacanthae</i>	Sect.41, UKBAP		
	Knot Grass	<i>Acronicta rumicis</i>	Sect.41, UKBAP		
	Lackey	<i>Malacosoma neustria</i>	Sect.41, UKBAP		
	Large Wainscot	<i>Rhizedra lutosa</i>	Sect.41, UKBAP		
	Mouse Moth	<i>Amphipyra tragopoginis</i>	Sect.41, UKBAP		
	Powdered Quaker	<i>Orthosia gracilis</i>	Sect.41, UKBAP		Damp, grassy, and marshy habitats.
	Rosy Rustic	<i>Hydraecia micacea</i>	Sect.41, UKBAP		
Insect - True Bug (Hemiptera)	Small Square-spot	<i>Diarsia rubi</i>	Sect.41, UKBAP		
	V-moth	<i>Macaria wauaria</i>	Sect.41, UKBAP		Dependent on fruit bushes in cultivated environments.
	White Ermine	<i>Spilosoma lubricipeda</i>	Sect.41, UKBAP		
Insect - True Bug (Hemiptera)	Eurysula lurida	<i>Eurysula lurida</i>	Na	Yes. Invertebrates use a wide range of plants as hosts for their larval stage and for feeding and egg laying in their adult stages. Aim to create and maintain the most diverse sward possible on banks, channel margins and in channel to support them by following a rotational vegetation management regime. Retain trees, hedgerows and scrub and plant more where possible. Look for in surveys, record presence & inform LERC.	Shows strong preference for wetland and grassland environments characterized by dense graminoid vegetation. It is most commonly associated with moist meadows, fens, and riverbanks, where it inhabits areas dominated by reeds such as <i>Phragmites australis</i> and small-reeds like <i>Calamagrostis epigejos</i> .
	Paralimnus phragmitis	<i>Paralimnus phragmitis</i>	Nb		Associated with <i>Phragmites australis</i>
	Trigonocranus emmeae	<i>Trigonocranus emmeae</i>	Nb		Prefers damp grassland
Insect - True Fly (Diptera)	Colobaea punctata	<i>Colobaea punctata</i>	N	Yes. Invertebrates use a wide range of plants as hosts for their larval stage and for feeding and egg laying in their adult stages. Aim to create and maintain the most diverse sward possible on banks, channel margins and in channel to support them by following a rotational vegetation management regime. Retain trees, hedgerows and scrub and plant more where possible. Look for in surveys, record presence & inform LERC.	Associated with marshy habitats.
	Lipara rufitarsis	<i>Lipara rufitarsis</i>	N		Strong association with <i>Phragmites australis</i>
	Micropeza lateralis	<i>Micropeza lateralis</i>	N		Mainly on heathland, preferring lush damper areas near trees and bushes or beside streams.
	Phalacroceras replicata	<i>Phalacroceras replicata</i>	N		The larvae of the genus <i>Phalacroceras</i> live on mosses. Adults are to be found in damp wooded habitats.
	Pherbellia nana	<i>Pherbellia nana</i>	N		Associated with open marshes and deeply shaded forest pools, margins of lakes and dune slacks. Permanent or temporary water bodies both appear

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					<i>to be used; there are indications that pools and ditches which dry out in summer and have sparse emergent Phragmites may be preferred.</i>
Reptile	Common Lizard	<i>Zootoca vivipara</i>	Sect.41, UKBAP, WCA5	Yes. Manage channels according to the SOP. Retain & create suitable habitat. Record sightings.	
	Grass Snake	<i>Natrix helvetica</i>	Sect.41, UKBAP, WCA5		
Terrestrial Mammal	Hedgehog	<i>Erinaceus europaeus</i>	RLGB.VU, Sect.41, UKBAP, LNRS	Yes. More associated with mosaic habitats but IDBs must be mindful not to disturb scrub patches / weed screen piles / leaf piles after October as they may be hibernating. Fund hedgehog hotels, encourage leaf piles and don't keep things "tidy". Record sightings.	<i>More associated with mosaic habitats but IDBs must be mindful not to disturb scrub patches / weed screen piles / leaves after October as they may be hibernating. Fund hedgehog hotels, encourage leaf piles and don't keep things "tidy".</i>
	Water Vole	<i>Arvicola amphibius</i>	RLGB.EN, Sect.41, UKBAP, WCA5, LNRS	Yes. Manage ditches according to the SOPs to ensure no burrows are damaged and marginal vegetation is maintained for optimal vv habitat. Manage bank face vegetation rotationally to maintain/develop a favourable & diverse sward as optimal habitat for vv. Continue support for mink control project. Record in surveys.	<i>IDB ditches are stronghold for them. Ensure water levels of at least 30cm are maintained all year round, keeping summer/winter level fluctuations as small as possible. Retain marginal vegetation for refuge. Fund and support mink trapping.</i>
	Otter	<i>Lutra lutra</i>	HabRegs2, Sect.41, UKBAP, WCA5	Yes. Manage channels according to the SOP. Retain & create suitable habitat. Record sightings and field signs.	
Terrestrial Mammal - Bat	Brown Long-eared Bat	<i>Plecotus auritus</i>	HabRegs2, Sect.41, UKBAP, WCA5	Yes. Retain mature bank-side trees to provide suitable roosts for bats. Trim or pollard trees rather than remove them. Install bat boxes on bank-side trees or elsewhere in the district to improve roost provision. Provide bat boxes	
	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	HabRegs2, WCA5		
	Daubenton's Bat	<i>Myotis daubentonii</i>	HabRegs2, WCA5		<i>Assoc. with water</i>
	Noctule	<i>Nyctalus noctula</i>	HabRegs2, Sect.41, UKBAP, WCA5		
Terrestrial Mammal - Bat	Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	HabRegs2, Sect.41, UKBAP, WCA5		

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In addition, there are 88 species identified by the Local Nature Recovery Strategy (LNRS) that are a priority for nature conservation within Cambridgeshire. Some of these species are commonly associated with the habitats that the Board manages. While there are no known recent records of these species being present within the district, there is potential for them to be found, or for them to colonise, either naturally or via translocation if the habitats they prefer are managed favourably. There is therefore potential for the conservation status of these species across the county to be influenced by the activities of the Board.

Table 7: Species identified by the Local Nature Recovery Strategy (LNRS) for Cambridgeshire as being a conservation priority in the county:

Taxon	Common Name	Scientific Name	Conservation Status	Potential for IDBs to influence	Species Info
Amphibian	Pool Frog	<i>Pelophylax lessonae</i>	WACA-Sch5_sect9.4b	Limited. Encourage and support pond creation where possible.	
Bird	Lapwing	<i>Vanellus vanellus</i>	Sect.41, UKBAP, LNRS	Limited. Promote uptake of environmental stewardship riparian buffer strip options to provide insect-rich foraging near nest sites.	Ground nester in farmland. One of the most strongly declining birds in Europe but Cambs is a stronghold
	Bittern	<i>Botaurus stellaris</i>	Sect.41, UKBAP, WCA1i, LNRS	Moderate. Look for opportunities to create and manage reedbeds such as old pump drains. Record sightings.	Look for opportunities to create and manage reedbeds such as old pump drains.
	Common Crane	<i>Grus grus</i>	CPASI, LNRS	Moderate. Look for opportunities to create and/or restore reedbeds and wetland habitats. Manage ditches to maximise diversity.	Now over a dozen pairs and a wintering population in excess of 80 individuals, making Cambs and Pboro a key county. Continued management of existing and creation of new areas of mixed wetland will bolster breeding numbers further - IDB action.
	Yellow wagtail	<i>Motacilla flava</i>	Sect.41, UKBAP	Retain marginal and bank vegetation as much as possible and cut banks rotationally outside of bird nesting season. Encourage farmers to establish stewardship margins alongside hedgerows and ditches for foraging. Maximise plant diversity for invertebrate abundance. Record sightings.	Ground nesters in damp habitat & farmland
	Snipe	<i>Gallinago gallinago</i>	UK Amber List, LNRS	Yes. Look for opportunities to create / restore reedbeds and wetland habitats	Requiring wet grassland / water meadow. IDBs Look for opportunities to restore / create reedbeds & wet grasslands and/or support conservation efforts within the district.
	Grasshopper Warbler	<i>Locustella naevia</i>	Sect.41, UKBAP, LNRS	Yes. Promote uptake of environmental stewardship riparian buffer strip options	Prefers sites with a mixture of habitats including grassland, scrub and reedbed/wetland areas, therefore a good indicator of relatively wild habitats.
	Black-tailed Godwit	<i>Limosa limosa</i>	WCA1i, LNRS	Yes. Seek local conservation projects to support / fund.	ID opportunities for IDBs near Ouse and Nene washes to become involved in/fund conservation projects or create wetland sites
	Garganey	<i>Spatula querquedula</i>	Bird-Amber	Yes. Look for opportunities to create / restore reedbeds and wetland habitats	
	Redshank	<i>Tringa totanus</i>	BirdsDir-A2.2		

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Fish	Brook lamprey	<i>Lampetra planeri</i>	RLGB NT, SFWF, HabsRegs, LNRS	Limited. Look for presence during surveys.	A positive indicator for rivers and streams. It tends to be observed in the headwaters of smaller waterbodies (but may be present in the middle reaches of rivers). The species has a larval form which requires unpolluted and stable silt beds, thus if a river supports brook lamprey it could be considered as one that is in a better ecological condition and is exhibiting stability and naturalness of the river environment.
	Spined Loach	<i>Cobitis taenia</i>	Sect.41, UKBAP, LNRS	Yes. Desilt little and often to provide diversity of substrate for the filter-feeders	Appears to be restricted to Trent, Welland, Witham, Nene and Great Ouse, with their associated waterways. Moreton's Leam is thought to contain the highest recorded density of spined loach in the UK and is designated an SAC for this reason, as are Ouse Washes Counter Drain and Old Bedford River. Have been found on occasion in the Middle Level system. Desilt little and often
	European Eel	<i>Anguilla anguilla</i>	UKBAP. RL Critically Endangered. SPI UK. Eel Regs, LNRS	Yes. Retain marginal vegetation for eel refuge and foraging. Only desilt centre 2/3rds of channel.	Spends most of its life in European rivers which flow into the Atlantic, Mediterranean and Baltic seas, and migrate to the western sub-tropical Atlantic where it breeds. Retain marginal veg as refuge for them.
Flowering Plant	Cambridge Milk-parsley	<i>Selinum carvifolia</i>	RENG.EN, RLGB.EN, WCA8, LNRS	Yes. Maintain a programme of rotational bank cutting and desilting little and often to support aquatic, marginal and terrestrial plants. Where found, and/or diversity is high, identify the historic management regime and maintain it as closely as possible to retain valuable species or make informed improvements to regime to enhance the stand. Look for in surveys, record presence & inform LERC.	Known to be present in an IDB drain near Ramsey
	Dyer's Greenweed	<i>Genista tinctoria</i>	CPASI, RENG.VU, LNRS		Good indicator of old permanent grassland of interest (including verges), particularly in the clay areas of Cambs and Pboro. Number of sites in Cambs and Pboro has been declining in recent decades and it is still under threat as many populations are small. Pboro IDBs
	Fen Pondweed	<i>Potamogeton coloratus</i>	CPASI, NS, LNRS		Fenland is the British stronghold. Shallow calcareous water. Most records in the Wicken and Whittlesey areas. Wetland habitats such as ponds and drains. All IDB surveys
	Fen Ragwort	<i>Jacobaea paludosa</i>	NR, RENG.CR, RLGB.CR, Sect.41, UKBAP, WCA8, LNRS		Look for reintro sites, particularly in vegetated drains, old pump drains, dead end drains, reedbed peripheries etc.
	Greater Bladderwort	<i>Utricularia vulgaris</i> agg.	RENG.LC, RLGB.LC., LNRS		Good indicator of high-quality wetland habitats as it is susceptible to eutrophication. At risk where populations are small. Look for in surveys
	Greater Water-parsnip	<i>Sium latifolium</i>	NS, RENG.EN, RLGB.EN, Sect.41, UKBAP, LNRS		Fenland characteristic species. Found parts of the Ouse Washes. Small populations remain vulnerable. Look for in surveys
	Heath Dog-violet	<i>Viola canina</i> subsp. <i>ruppii</i>	RLGB EN. RENG EN., LNRS		In Woodwalton Fen, Holme fen & RUGR IDB only.
	Large-flowered Hemp-nettle	<i>Galeopsis speciosa</i>	RENG.VU, RLGB.VU, LNRS		Found in peaty fields and disturbed fen. Look out for in surveys
	Lesser Water-plantain	<i>Baldellia ranunculoides</i>	CPASI, RENG.VU, RLGB.Lr(NT), LNRS		Only a few sites now have significant numbers. Under threat from a range of factors. Survey for them annually.
	Long-stalked Yellow-sedge	<i>Carex lepidocarpa</i>	RLGB LC. RENG LC., LNRS		Strong indicator of high-quality wet fen meadow habitats. Likely less than ten sites in Cambs and Pboro where it still occurs, at some of those in small numbers. Look for in surveys

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Flowering Plant	Meadow Thistle	<i>Cirsium dissectum</i>	CPASI, LNRS	Yes. Maintain a programme of rotational bank cutting and desilting little and often to support aquatic, marginal and terrestrial plants. Where found, and/or diversity is high, identify the historic management regime and maintain it as closely as possible to retain valuable species or make informed improvements to regime to enhance the stand. Look for in surveys, record presence & inform LERC.	Strong indicator of high-quality wet fen meadow habitats. Perhaps less than five sites in Cambs and Pboro where it still occurs. Look for in IDB surveys
	Milk-parsley	<i>Thysselinum palustre</i>	RLGB VU, RLENG VU., LNRS		
	Meadow Saxifrage	<i>Saxifraga granulata</i>	RedList_ENG_post2001-LC		Occasionally found on banks or in floodplains, indicator of good quality unimproved grasslands
	Tasteless Water-pepper	<i>Persicaria mitis</i>	CPASI, NS, RLENG.VU, RLGB.VU, LNRS		Found in the Ouse and Nene Washes and only found in a few sites outside of these and has been lost from some locations. Found in wet places in open vegetation, typically on nutrient-rich mud and peat that is exposed by a rapid 'drawdown' of water in the summer. Look out for in Ouse washes IDBs
	Narrow-leaved Water-dropwort	<i>Oenanthe silaifolia</i>	CPASI, NS, LNRS		Characteristic flood meadow species. Mostly restricted to a few sites in the River Great Ouse valley area. IDBs near Ouse washes only
	Tubular Water-dropwort	<i>Oenanthe fistulosa</i>	RLENG.VU, RLGB.VU, Sect.41, UKBAP, LNRS		Found in areas with winter flooding, including flood meadows and ponds. Look for around Nene and Ouse Washes IDBs
	Water-violet	<i>Hottonia palustris</i>	CPASI, RLENG.VU, RLGB.VU, LNRS		Found in still, shallow, base-rich, clear and not eutrophic waterbodies so it is a positive indicator. Found in fenland drains, although has declined here. Look for in surveys
	Opposite-leaved Pondweed	<i>Groenlandia densa</i>	CPASI, RLENG.VU, RLGB.VU, LNRS		Typical of shallow nutrient-poor calcareous waters. Mostly found in fen drains. Look for in surveys
	Fen Orchid	<i>Liparis loeselii</i>	Bern-A1		
	Early Marsh-orchid	<i>Dactylorhiza incarnata</i>	RedList_ENG_post2001-LC		
	Slender Tare	<i>Ervum gracile</i>	RedList_GB_post2001-VU		
	Bog Pimpernel	<i>Lysimachia tenella</i>	RedList_GB_post2001-LC		
	Grass-poly	<i>Lythrum hyssopifolia</i>	WACA-Sch8		
	Oxlip	<i>Primula elatior</i>	NS-excludes		
	Marsh Valerian	<i>Valeriana dioica</i>	RedList_ENG_post2001-NT		
	Great Burnet	<i>Sanguisorba officinalis</i>	NI_Priority		Characteristic flood meadow and positive old grassland indicator species (although can be found in woodland). Associated with sites of natural history interest in Cambs and Pboro and has declined significantly. Many populations are small and so are under threat from destruction or neglect.
	Saw-wort	<i>Serratula tinctoria</i>	RedList_ENG_post2001-LC		Strong indicator of a range of old species-rich habitats, including grassland and woodland edges. Has declined significantly nationally and locally. At the eastern edge of its range in Cambs and at many sites numbers are small so these populations are under threat. Now may only be present at less than ten sites in Cambs and Pboro.
	Flat-sedge	<i>Blysmus compressus</i>	Scottish_Biodiversity_List		

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Flowering Plant	Fibrous Tussock-sedge	<i>Carex appropinquata</i>	NS-excludes	Yes. Maintain a programme of rotational bank cutting and desilting little and often to support aquatic, marginal and terrestrial plants. Where found, and/or diversity is high, identify the historic management regime and maintain it as closely as possible to retain valuable species or make informed improvements to regime to enhance the stand. Look for in surveys, record presence & inform LERC.	
	Marsh Helleborine	<i>Epipactis palustris</i>	W(NI)O-Sch8_part1		
	Common Cottongrass	<i>Eriophorum angustifolium</i>	RedList_ENG_post2001-VU		
	Fen Wood-rush	<i>Luzula pallescens</i>	RedList_GB_post2001-CR		Found in Holme Fen, Needs ground disturbance
	Fly Orchid	<i>Ophrys insectifera</i>	England_NERC_S.41		
	Marsh Lousewort	<i>Pedicularis palustris</i>	RedList_ENG_post2001-VU		
	Common Butterwort	<i>Pinguicula vulgaris</i>	RedList_ENG_post2001-VU		
	Hampshire Dandelion	<i>Taraxacum akteum</i>	NR-excludes		
	English Dandelion	<i>Taraxacum anglicum</i>	RedList_ENG_post2001-VU		
	Marsh Dandelion	<i>Taraxacum palustre</i>	RedList_ENG_post2001-VU		
	Water Germander	<i>Teucrium scordium</i>	WACA-Sch8		
	Fen Violet	<i>Viola stagnina</i>	RedList_GB_post2001-CR		
	Marsh Stitchwort	<i>Stellaria palustris</i>	RLNG.VU, RLGB.VU, Sect.41, UKBAP, LNRS		Strong old wet grassland indicator. Present at less than ten sites in Cambs and Pboro and at risk in many of them. Look for in surveys near Nene, Ouse and WWF
	Pepper-saxifrage	<i>Silaum silaus</i>	CPASI, LNRS		Strong indicator of old species-rich grassland, especially damp grassland. Many populations are small and so are under threat from a lack of appropriate management and potentially development where sites are not protected. Look for in surveys

Insect - Beetle	Eyed Longhorn beetle	<i>Oberea oculata</i>	NR-excludes	Yes. Invertebrates use a wide range of plants as hosts for their larval stage and for feeding and egg laying in their adult stages. Aim to create and maintain the most diverse sward possible on banks, channel margins and in channel to support them by following a rotational vegetation management regime. Retain trees, hedgerows and scrub and plant more where possible. Look for in surveys, record presence & inform LERC.	
	Mud Beetle	<i>Sphaerius acaroides</i>	RedList_GB_post2001-EN		
	Agabus uliginosus	<i>Agabus uliginosus</i>	Nb, RLGB.Lr(NT), LNRS		Potentially a flagship species for seasonal pools. Found in a range of wetlands in isolated ponds or in seasonally flooded fen. Found at Wicken Fen, Woodwalton Fen and a relatively small number of sites outside of these. Look out for in surveys
	Agabus undulatus	<i>Agabus undulatus</i>	CPASI, RLGB.Lr(NT), LNRS		Most often found in fenland drains. Suitable flagship species for improved drain management as it is a distinctive species that is relatively recognisable. Look out for in surveys
	Donacia dentata	<i>Donacia dentata</i>	RLGB.VU, LNRS		Very few known sites in Cambs and Pboro. Found in larger drains and rivers and feeds mainly on Arrowhead, <i>Sagittaria sagittifolia</i> . Relatively large and identifiable. Look out for in surveys

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Insect - Butterfly	Black Hairstreak	<i>Satyrrium pruni</i>	<i>RedList_GB_post2001-EN</i>	Yes. Invertebrates use a wide range of plants as hosts for their larval stage and for feeding and egg laying in their adult stages. Aim to create and maintain the most diverse sward possible on banks, channel margins and in channel to support them by following a rotational vegetation management regime. Retain trees, hedgerows and scrub and plant more where possible. Look for in surveys, record presence & inform LERC.	
	Large Copper	<i>Lycaena dispar</i>	<i>WACA-Sch5_sect9.5a</i>		
	Swallowtail	<i>Papilio machaon</i>	<i>WACA-Sch5_sect9.4b</i>		
Insect - Caddis Fly (Trichoptera)	<i>Erotesis baltica</i>	<i>Erotesis baltica</i>	<i>NR-includes</i>		

Insect - Moth	Four-spotted	<i>Tyta luctuosa</i>	<i>Nationally Scarce. UKBAP, LNRS</i>	Yes. Invertebrates use a wide range of plants as hosts for their larval stage and for feeding and egg laying in their adult stages. Aim to create and maintain the most diverse sward possible on banks, channel margins and in channel to support them by following a rotational vegetation management regime. Retain trees, hedgerows and scrub and plant more where possible. Look for in surveys, record presence & inform LERC.	<i>Food plant is field bindweed so dependent on early successional habitats which are threatened by inappropriate management and eutrophication. May be more widespread and common than previously thought but more surveys are required to establish this.</i>
	Marsh Carpet	<i>Gagitodes sagittata</i>	<i>RLEN EN., LNRS</i>		<i>Present south of Benwick and Doddington & west of Coates.</i>
	Reed Leopard	<i>Phragmataecia castaneae</i>	<i>RLGB VU. UKBAP, LNRS</i>		<i>Long-standing populations known only at Wicken Fen and Chippenham Fen but recorded from a few other sites in this area of the county. The larval food plant is common reed.</i>
	White-spotted Pinion	<i>Cosmia diffinis</i>	<i>Sect.41, UKBAP, LNRS</i>		<i>Caterpillar feeds on elms. Disappearing from almost all its range except Cambs, which now comprises over three-quarters of its current British range.</i>
	Silver Barred	<i>Deltote bankiana</i>	<i>RedList_GB_Pre94-VU</i>		<i>Restricted distribution nationally. Species of fens, coastal marshes and bogs. Long-standing populations known only at Wicken Fen and Chippenham Fen in Cambs and Pboro.</i>
Insect - Orthopteran	Great Green Bush Cricket	<i>Tettigonia viridissima</i>	<i>CPASI, LNRS</i>	Limited. Look for presence during surveys.	<i>Populations with sustainable numbers may only be present in less than five sites in Cambs and Pboro. Found in rough grassland with some scrub or on woodland edges. Look for in surveys near Nene and Ouse washes and WWF</i>
	Large Marsh Grasshopper	<i>Stethophyma grossum</i>	<i>England_NERC_S.41</i>		
Insect - Spider	Rosser's Sac-spider	<i>Clubiona rosserae</i>	<i>NL, LNRS</i>		<i>Only found in 1-2 sites in Britain, with recent records only at Chippenham Fen. Found in fens amongst cut sedge and reeds and in sedge tussocks.</i>
	<i>Pardosa paludicola</i>	<i>Pardosa paludicola</i>	<i>NR-includes</i>		
	<i>Zora armillata</i>	<i>Zora armillata</i>	<i>NR-includes</i>		
Mollusc	Large-mouthed Valve Snail	<i>Valvata macrostoma</i>	<i>RLGB LC. RLENG ?, LNRS</i>	Yes. Rotationally manage marginal vegetation to maximise diversity. Retain areas of reed sweet-grass, greater and lesser pond sedge.	<i>Look for in surveys</i>
	Taylor's Spire Snail	<i>Marstoniopsis insubrica</i>	<i>RLUK Rare, LNRS</i>		<i>IDBs along the Ouse washes</i>
	Witham Orb Mussel	<i>Sphaerium solidum</i>	<i>NL, LNRS</i>		<i>IDBs along the Ouse washes</i>
	Desmoulin's Whorl Snail	<i>Vertigo moulinsiana</i>	<i>HabDir-A2*</i>		

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Reptile	Adder	<i>Vipera berus</i>	WACA-Sch5_sect9.5a	Yes. Manage channels according to the SOP. Retain & create suitable habitat. Record sightings.	
Stonewort	Great Tassel Stonewort	<i>Tolypella prolifera</i>	RLGB.EN, Sect.41, UKBAP, LNRS	Yes. Maintain a programme of rotational bank cutting and desilting little and often to support aquatic, marginal and terrestrial plants. Where found, and/or diversity is high, identify the historic management regime and maintain it as closely as possible to retain valuable species or make informed improvements to regime to enhance the stand. Look for in surveys, record presence & inform LERC.	Found in small alkaline water bodies which prefers slow-moving water and tends to grow in deeper water. A spring or summer annual and often occurs in quantity after ditch clearances.
	Hedgehog Stonewort	<i>Chara aculeolata</i>	RLGB VU, UKBAP, NR, LNRS		Only in some of the old Pboro brick pit sites in Cambs and Pboro. A freshwater species tolerant of slightly brackish water.
	Bearded Stonewort	<i>Chara canescens</i>	WACA-Sch8		
	Dwarf Stonewort	<i>Nitella tenuissima</i>	RedList_GB_post2001-EN		
	Tassel Stonewort	<i>Tolypella intricata</i>	RedList_GB_post2001-EN		
Terrestrial Mammal	Harvest Mouse	<i>Micromys minutus</i>	England_NERC_S.41	Yes. Retain areas of uncut undisturbed marginal and bank vegetation for refuge and foraging and manage rotationally.	GB Red List Near Threatened. Thought to have declined significantly due to agricultural intensification. Not commonly recorded in Cambs and Pboro so population levels are unknown.
Terrestrial Mammal - Bats	Western Barbastelle	<i>Barbastella barbastellus</i>	HabRegs2, RLGB.VU, Sect.41, UKBAP, WCA5, LNRS	Yes. Retain mature bank-side trees to provide suitable roosts for bats. Trim or pollard trees rather than remove them. Install bat boxes on bank-side trees or elsewhere in the district to improve roost provision. Provide bat boxes	Thought to prefer pastoral landscapes with a mixture of deciduous woodland and other habitats. Roost mainly in cracks in trees.
Tree	Dark-leaved Willow	<i>Salix myrsinifolia</i>	RENG.LC, RLGB.LC., LNRS	Limited. Look for presence during surveys. Retain where present	Cambs holds the majority of the of the remaining southern / eastern England (likely) native sites for the species (less than five sites). Found in wet riverside woodland and fens. Look out for in surveys
	Black-poplar	<i>Populus nigra subsp. betulifolia</i>	CPASI, LNRS	Yes. Look for planting opportunities. Identify those existing and conserve.	One of the rarest native trees in Cambs and Pboro. Under threat because of a lack of natural reproduction opportunities. Most trees present now are thought to have been planted but maybe not all. Natural habitat is river floodplains. Look for planting opportunities
	Elm (various)	<i>Ulmus spp.</i>	RedList_ENG_post2001-LC	Yes. Map droves across district	Map droves and record Elm locations

5.10.1 The Hull International Fisheries Institute (HIFI), EDNA Surveys

Between 2021 and 2023, the Hull International Fisheries Institute (HIFI) collected and analysed Environmental DNA (EDNA) samples from channels within almost all IDB catchments in the Middle Level and surrounding areas. The aims of the project were; to gain a better understanding of the presence and

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distribution of the endangered European Eel within IDB pumped catchments, to better inform and focus conservation efforts and regulation in areas where eels are already present, as well as to better understand their habitat requirements, identify and remediate the obstacles to eel passage and welfare. The EDNA studies also identified the presence of a number of other species, which have been detailed below. It is important to understand that these samples and results only represent a snapshot in time. The presence or absence of any EDNA of any particular species is not conclusive proof of their presence or absence in the channel at any other time. But it does give us a good understanding of what species the habitats managed by the IDB are capable of supporting.

The studies demonstrate that eel had been present in District around the time the EDNA samples were taken, so the catchment is important for the conservation of the species and should be managed with this in mind.

Table 8: Species identified by the EDNA studies undertaken in the March 5th District Drainage Commissioners Catchment:

Sampling Location	Samples Taken	Mammal & Reptile Species Identified	Species Richness	Species Richness Range*	Fish Species	Species Richness	Species Richness Range
North Creek	1	1. Common Toad 2. Water Vole	2	0-7	1. European Eel 2. Spined Loach 3. Common Carp 4. Roach 5. Tench 6. Northern Pike 7. Nine-spined stickleback	7	1-13
South Creek	5	1. Water Vole 2. Mouse sp.	2	0-7	1. Rudd 2. Nine-spined stickleback	2	1-13

*The range provided is the greatest and lowest species richness across all IDB sites sampled. A total of 29 fish and 31 mammal and amphibian species were detected in all samples taken.

Note: Samples were only taken up to the point when eels were detected. Some of the smaller sites were only sampled once.

5.11. Invasive Non-native Species Summary

The IDB has identified the following aquatic and riparian invasive non-native species within or adjacent to the drainage district that are identified as likely to be

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influenced by, or impact upon the Board’s activities. Some INNS species records have been excluded as they are not considered to be any greater detriment to the habitats managed by IDBs than some similar native species, and they are common throughout the district and Middle Level area so would be very difficult to control and/or eradicate. Only the most recent record from each specific location has been included.

Table 9: Aquatic & riparian invasive non-native species summary

Taxon Group	Common Name	Scientific Name	Location	Most Recent Date Recorded	Designations	Management Recommendations
Crustacean	<i>Crangonyx pseudogracilis/floridanus</i>	<i>Crangonyx pseudogracilis/floridanus</i>	Whitemoor Marshalling Yards	06/07/1905		Observe stringent biosecurity procedures to prevent spread. Familiarise with species recognition. Encourage all IDB networks to recognise and report sightings of the species to the board ecologist straight away so it can be managed swiftly.
Fern	Water Fern	<i>Azolla filiculoides</i>	Twenty Foot River, March	23/08/1995	WCA9ii	
Flowering Plant	Tree-of-heaven	<i>Ailanthus altissima</i>	March	09/07/2015		
	New Zealand Pigmyweed	<i>Crassula helmsii</i>	March	21/08/2019	WCA9ii	
	Canadian Waterweed	<i>Elodea canadensis</i>	Whitemoor Marshalling Yards	01/09/2014	WCA9ii	
	Nuttall's Waterweed	<i>Elodea nuttallii</i>	Shepperson's Bridge	21/08/2019	WCA9ii	
	Japanese Knotweed	<i>Fallopia japonica</i>	March	09/07/2015	WCA9ii	
	Curly Waterweed	<i>Lagarosiphon major</i>	Whitemoor Prison, March	03/06/1991	WCA9ii	
	Winter Heliotrope	<i>Petasites fragrans</i>	Station Road Cemetery, March	09/07/2015		
Terrestrial Mammal	American Mink	<i>Neovison vison</i>	Twenty Foot River, Coldham Bank	22/02/2020	WCA9i	
Tree	Italian Alder	<i>Alnus cordata</i>	Elm	09/07/2015		

5.12. Water Level Management Plans

There are no Water Level Management Plans (WLMP) within the drainage district.

6. Habitat and Species Action Plans

6.1. Introduction

The following sections detail the objectives that the IDB has defined for each of the habitats and species that have been identified as a priority in the biodiversity audit, and that have the most potential to be influenced by the Boards activities, and the associated actions that will help to deliver each objective.

6.2. Habitat Action Plans

6.2.1 IDB Ditches

6.2.1.1 IDB Ditch Objectives:

1. *Develop and regularly review an Operations Manual to help to define the most favourable channel maintenance approaches for flood risk management and biodiversity, on a reach-by-reach basis.*
2. *Maximise the biodiversity value of IDB channels, banks and margins through sensitive management, all designed to support a wide range of species.*
3. *Enhance channel biodiversity via non-routine works where opportunities arise*

6.2.1.2 IDB Ditch Actions

Objective ref.	Action no.	Action	Measurable / Indicators	Completion date	Action Lead	Partners
1	1a	Categorise / review categorisation of all IDB channels by flood risk to determine maintenance intensity and approach and document reasoning	• Map with channels coloured by risk category	2026 then annually	IDB	
			• Supporting table for above with reasoning	2026 then annually	IDB	
			• Minuted review of any changes from previous years categorisation and approval of current determination at Board Meeting ahead of works	2026 then annually	IDB	

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6.2.1.2 IDB Watercourses Actions Cont.

	1b	Define/redefine and deliver most appropriate vegetation management approach/intensity for each IDB channel reach to manage flood risk and maximise opportunities for biodiversity.	Map with planned veg management approach defined for each reach	2026 then annually	IDB	Ecologist
		Favour the retention and rotational management of marginal and bank vegetation wherever possible.	Documented confirmation that works were carried out in line with plan for each reach and if not, reasons why.	2026 then annually	IDB	Contractor
			Minuted review of any changes to previous approach and approval of plan ahead of works at Board Meeting	2026 then annually	IDB	Ecologist
	1c	Define/redefine and deliver most appropriate desilting approach/intensity for each IDB channel reach to manage flood risk and maximise opportunities for biodiversity.	Map with desilting approach defined for each reach	2026 then annually	IDB	Ecologist
		Aim for regular and light desilting on a 3-year rotation approx. to mimic natural scour in periodic high flows.	Documented confirmation that works were carried out in line with plan for each reach and if not, reasons why.	2026 then annually	IDB	Contractor
			Minuted review of any changes to previous approach and approval of plan ahead of works at Board Meeting	2026 then annually	IDB	Ecologist
2	2a	Undertake routine channel maintenance in line with standard operating procedures (SOPs), best practice and in compliance with a range of environmental law.	Spot checks during and after routine maintenance for SOP compliance	Annually	Ecologist	
			Minuted report to the Board of compliance non/compliance for maintenance undertaken	Annually	Ecologist	
	2b	Survey a different sample reach of channel each year to benchmark biodiversity.	Channel survey results and recommendations included in Board papers with summary review each year.	2026 then annually	Ecologist	IDB
		Aim to identify areas of high biodiversity value and which areas could benefit from enhancement. Also aim to identify any correlation between diversity, habitat quality and management approaches.	Results of surveys submitted to LERC			
3	3a	Ensure all non-routine channel works are assessed for environmental and ecological constraints and opportunities in advance of works. Identify and design-in opportunities to enhance channels using natural engineering approaches i.e. vegetated coir roll for bank toe stabilisation, hydroseeding, vegetated berms and diverse seed mixes.	- Minuted review of planned non-routine works and ecol. assessment requirements for forthcoming year at each Board Meeting. - Extent of habitat enhanced as a result of non-routine works reported annually in Board papers	2026 then Annually	IDB	Ecologist

6.2.2 Hedgerows

6.2.2.1 Hedgerow Objectives

1. *Identify and map all hedgerows within the district and confirm ownership and if/how the IDB currently interacts with them, particularly those with IDB ditches adjacent to them.*
2. *Retain, enhance, connect and increase the extent of hedgerows within the District by encouraging and supporting private landowners to do so, and creating managing hedgerows favourably where possible and appropriate, near IDB channels.*

6.2.2.2 Hedgerow Actions

Objective ref.	Action no.	Action	Measurable / Indicators	Completion date	Action Lead	Partners
1	1a	Identify all hedgerows in the district and their owners / managers adjacent to IDB watercourses or on access routes to them, and make contact to ascertain if the IDB can do anything to support the favourable management / conservation status of the habitat	Map of hedgerows & listed owners	2026	IDB	Ecologist
2	2a	Identify and take opportunities to plant new hedgerows in the IDB system, particularly to reconnect separate hedgerows, using identified priority species, with trees	Map of new connecting hedgerow opportunities	2026-27	IDB	Ecologist / Landowners
	2b	Develop and publish a “no net loss” hedgerow policy to be enforced through the consenting process	Published hedgerow policy available on the website	2027	IDB	Ecologist/IDB
	2c	Publish a note on the website detailing the value of hedgerows for biodiversity in the District, and encouraging the retention, favourable management and planting of new connecting hedgerows, and signpost further advice & information	Published note on website	2026	IDB	Ecologist
	2d	Include brief flyer with rate demands promoting the retention, favourable management, creation and importance of hedgerows within the District and signpost further advice and guidance	Flyer with rate demand	2027	IDB	Ecologist
	2e	Audit the extent of hedgerows at the start and end of the BAP period	Extent of hedgerow in the district calculated	2026-31	Ecologist	IDB

6.2.3 Fen Droves

6.2.3.1 Fen Droves Objectives

1. *Identify and map all existing and defunct Droves within the district and confirm ownership, provenance and status, particularly those with IDB ditches adjacent to them and those that IDBs use as access to inspect and maintain assets.*
2. *Retain, protect and enhance Droves within the District by encouraging and supporting private landowners/managers to do so.*

6.2.3.2 Fen Droves Actions

Objective ref.	Action no.	Action	Measurable / Indicators	Completion date	Action Lead	Partners
1	1a	Liaise with/enlist assistance of community groups, IDB members and rate payers to develop a register and map of Fen Droves within the district	• Map with Droves highlighted	2026-7	IDB	Ecologist / Community Groups
			• Supporting table detailing drove ownership, provenance, status i.e. PRoW. and any other relevant history	2026-8	IDB	Ecologist / Community Groups / Landowners
	1b	Publish findings of Fen Droves Register project within local community	• Publication of map and drove history via Parish News or similar and IDB website	2027-8	IDB	Ecologist / Community Groups
			• Summary of project findings in Board Report	2028	IDB	Ecologist
			• Provide map and details to LERC	2028	IDB	Ecologist
2	2a	Support/encourage biodiversity surveys of Fen Droves, particularly those along IDB ditches, to identify any enhancements that could be made to maximise biodiversity. <i>*Annual channel biodiversity surveys could be expanded to incorporate this.</i>	• Number of survey reports with current & historic management approaches detailed along with enhancement recommendations made, provided to relevant landowner	2026-31	IDB / Ecologist	Ecologist / Community Groups / Landowners
			• Number of surveys & summary published in Board Reports			
			• Number of survey results sent to LERC			

6.2.4 Arable Field Margins

6.2.4.1 Arable Field Margins Objectives

1. *Retain, enhance and increase the extent of arable field margins within the District by encouraging and supporting private landowners to do so, particularly adjacent to IDB drains, and encourage the establishment of new arable field margins wherever possible.*

6.2.4.2 Arable Field Margins Actions

Objective ref.	Action no.	Action	Measurable / Indicators	Completion date	Action Lead	Partners
1	1a	Publish details on the IDB website of the benefits of retaining and creating good quality arable field margins for the IDB and for biodiversity and signpost further advice, including LNRS habitat opportunity map	Post on the website	2026-27	IDB / Ecologist	
	1b	Develop a brief flyer encouraging the retention, enhancement and creation of field margins for the benefit of IDBs and biodiversity & signpost further advice, including LNRS habitat opportunity map, and send with rate demands	Flyer sent out with rate demand	2027 & 2029	IDB / Ecologist	Ecologist
	1c	Audit the extent of arable field margins at the start and end of the BAP period	Map of extent of field margins in 2026 & 2031	2026 & 2030	IDB	Ecologist & Landowners/LNRS owner

6.3. Species Action Plans

6.3.1 Notes on species without specific actions

Some species have not been detailed specifically in this section, as actions to provide more, and better quality, habitat for them are delivered via other actions, mainly habitat and procedural actions. Such species include a range of flora that will be better supported via standard operating procedures (SOPS) for ditches, which aim to retain marginal and bank-side vegetation and manage it rotationally. Actions for habitats also encourage retention, creation and favourable management which will be of benefit to a range of species, such as the creation of arable field margins and reedbeds. Also, annual surveys aim to identify, record, report and protect many priority plant and animal species. SOPs and best practice IDB habitat management will also optimize opportunities for reptiles, many birds, invertebrates, other mammals, eels and fish.

6.3.2 Birds

6.3.2.1 Birds Objectives:

1. *Maximise habitat availability and quality for all birds that use IDB channels and margins for foraging and nesting, through sensitive routine channel maintenance activities*
2. *Improve opportunities for particular priority birds within the IDB District that could be impacted by IDB activities, with specific provisions*
3. *Improve understanding of bird population trends in District by recording and reporting bird sightings, particularly for priority birds*
4. *Protect and enhance bird habitats through non-routine works*

6.3.2.2 Birds Actions

March 5th District Drainage Commissioners – Biodiversity Action Plan 2026 – 2031

Objective ref.	Action no.	Action	Measurable / Indicators	Completion date	Action Lead	Partners
1	1a	Define and publish standard operating procedures (SOPs) for routine maintenance activities, in line with legislation and best practice, that consider birds, including: - Retention and rotational management of marginal vegetation fringes - Bank-side tree and scrub retention and management, - Rotational bank vegetation cutting - Scheduling work outside the nesting season i.e. mid-August onwards	- Published SOPs available on website which consider birds covering: ~ Channel vegetation management, ~ Bank vegetation management inc. trees and scrub, ~ Desilting, ~ Herbicide use	2026	IDB	Ecologist
2	2a	Map, retain, protect and increase bank-side trees for KINGFISHERS as fishing perches wherever possible, favouring trimming for access and conveyance rather than removal.	Important Kingfisher fishing areas mapped & made available to works operatives	2027	Ecologist / IDB	Landowners, Community
			No. of important Kingfisher areas equal or greater at end of BAP period	2031	IDB	Ecologist, Landowners, Community
	2b	Map, retain, manage, protect and create KINGFISHER nesting sites along IDB watercourses	Kingfisher nest sites mapped & made available to works operatives	2027	IDB	Ecologist, Landowners, Community
	2c	Map existing BARN OWL BOXES within the district, maintain existing boxes, fund and install new ones either on IDB assets or by liaising with private landowners and communities	Map of Barn Owl boxes in district	2027	IDB	Ecologist, Landowners, Volunteers, Community
			Number of boxes maintained each year reported in Board Report	Annually	IDB	Ecologist, Landowners, Volunteers, Community
			No. of Barn Owl boxes in district equal or greater at end of BAP period	2027-2031	IDB	Ecologist, Landowners, Volunteers, Community
2	2d	Install on IDB assets, or encourage the installation of SWIFT NEST BOXES on private and community assets near IDB channels by funding next boxes and providing installation assistance where necessary	Promotion of swift nest box installation and provision via website, community news and rate demands	2028	IDB	Ecologist
			Number of swift boxes installed and map of them	Ongoing	IDB	Ecologist, Community, Landowners

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3	3a	Encourage and support bird SURVEYS . RECORD AND REPORT SIGHTINGS of birds, particularly priority birds, and encourage others via IDB networks to do the same	• Publication to encourage surveys, recording and reporting to the ecologist and/or iRecord via: ~ Board Report ~ IDB website ~ Rate demand ~ Community communications	2026	IDB	Ecologist, Community, Landowners
			• Mapped sightings across the IDB District published with Board report	Annually	IDB	Ecologist
4	4a	Ensure all non-routine channel and asset works are assessed for impacts to birds and mitigations and enhancements are designed-in ahead of works, particularly scheduling works outside nesting season. Enhancements could include retaining valuable habitat, artificial nest box provision and using green engineering such as coir roll and enhanced seed mixes.	• Minuted review of planned non-routine works and ecol. assessment requirements for forthcoming year at each Board Meeting. • Enhancements that benefit birds as a result of non-routine works reported annually in Board papers	2026 then Annually	IDB	Ecologist

6.3.3 Mammals

6.3.3.1 Mammals Objectives:

1. *Maximise habitat availability and quality for all mammals but particularly priority mammals, that use IDB channels and margins for foraging and refuge, through sensitive routine channel maintenance activities*
2. *Improve opportunities for particular priority mammals within the IDB District that could be impacted by IDB activities, with specific provisions*
3. *Improve understanding of mammal population trends in District by recording and reporting sightings, particularly for priority mammals*
4. *Protect and enhance mammal habitats through non-routine works*

6.3.3.2 Mammals Actions

Objective ref.	Action no.	Action	Measurable / Indicators	Completion date	Action Lead	Partners
1	1a	Define and publish standard operating procedures (SOPs) for routine maintenance activities, in line with legislation and best practice, that consider mammals, including: - Retention and rotational management of marginal vegetation fringes - Bank-side tree and scrub retention and sensitive management, - Rotational bank vegetation cutting - Scheduling work outside sensitive seasons	- Published SOPs available on IDB website which consider WATER VOLES, OTTERS, HEDGEHOGS AND BATS at least, covering: ~ Channel vegetation management, ~ Bank vegetation management inc. trees and scrub, ~ Desilting, ~ Herbicide use	2026	Ecologist	IDB
2	2a	Support WATER VOLE conservation through the mink control project	Funding provided to support mink control project	Annually	IDB	Waterlife Recovery Trust
			Number of mink control rafts hosted or funded on IDB watercourses	Annually	IDB	Waterlife Recovery Trust
			Publication to promote the mink control project via posts on website, rate demand notices, Board meetings and community communications and no. of volunteers recruited	Ongoing	IDB	Waterlife Recovery Trust, MLC

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	2b	Identify and protect known or potential OTTER holts (refuges) and create or support the creation of more along appropriate IDB channels	Known and potential otter holts (refuges) mapped & made available to works operatives	2027	IDB	Ecologist, Landowners, Community
			No of otter holts increasing along IDB channels	Ongoing	IDB	Ecologist, Landowners, Community
			Promotion of otter holt creation and retention via website, community news and rate demands	2028-2030	IDB	Ecologist
	2c	Identify and protect known and potential BAT roosts (in trees and structures) along or near to IDB watercourses and install or support the installation of bat boxes in appropriate places along or near to IDB channels	Known and potential bat roosts in trees and structures mapped & made available to works operatives	2027	IDB	Ecologist, Landowners, Volunteers, Community
			No. of bat roost provisions increasing along IDB channels	Annually	IDB	Ecologist, Landowners, Volunteers, Community
			Promotion of bat roost retention and bat box installation via website, community news and rate demands	2027-2031	IDB	Ecologist, Landowners, Volunteers, Community
3	3a	Encourage and support mammal surveys , particularly priority mammals. Record and report sightings of mammals, particularly priority mammals, and encourage others via IDB networks to do the same	- Publication to encourage recording and reporting to the ecologist and/or iRecord via ~ Board Report ~ IDB website ~ Rate demand ~ Community communications	Ongoing	IDB	Ecologist, Community, Landowners, Volunteers
			Mapped sightings across the IDB District & (non-sensitive elements) published with Board report	Annually	IDB	Ecologist
4	4a	Ensure all non-routine channel and asset works are assessed for impacts to mammals and mitigations and enhancements are designed-in ahead of works, particularly scheduling works outside sensitive seasons. Enhancements could include retaining valuable habitat, creation of artificial refuges and boxes, provision and use of green engineering such as coir roll and enhanced seed mixes.	- Minuted review of planned non-routine works and ecol. assessment requirements for forthcoming year at each Board Meeting. - Enhancements that benefit mammals as a result of non-routine works reported annually in Board papers	Annually	IDB	Ecologist

6.3.4 Trees

6.3.4.1 Trees Objectives:

1. *Identify and protect priority trees, particularly elm, black poplars and dark-leaved willow within the District*
2. *Increase numbers of black poplars*

6.3.4.2 Trees Actions

Objective ref.	Action no.	Action	Measurable / Indicators	Completion date	Action Lead	Partners
1	1a	Map and protect elm, black poplars and dark-leaved willow within the IDB district	Map of selected trees & made available to works operative	2028	Ecologist / IDB	Landowners, Community
2	2a	Seek and progress opportunities to plant more black poplars in appropriate locations across the IDB district	- Publication to request opportunities to plant black poplar via: ~ Board Report ~ IDB website ~ Rate demands ~ Community communications	At least twice in BAP period	IDB	Ecologist, Landowners, Volunteers, Community
			No. of black poplar in District equal or greater at end of BAP period	2027-2031	IDB	Ecologist, Landowners, Volunteers, Community

6.3.5 Invasive Non-native Species (INNS)

6.3.5.1 INNS Objectives:

1. *Minimise the risk of introducing or spreading INNS through IDB activities*
2. *Identify, control and eradicate INNS from the District*

6.3.5.2 INNS Actions:

Objective ref.	Action no.	Action	Measurable / Indicators	Completion date	Action Lead	Partners
1	1a	Develop/update, publish and adhere to a biosecurity protocol for IDB activities	Biosecurity protocol published on-line and made available to IDB operatives	2026	Ecologist	IDB
2	2a	Encourage and support all IDB networks to: - Improve their recognition of INNS - Report suspected INNS in and around IDB channels promptly - Follow good biosecurity procedures such as check-clean-dry protocols - Signpost further information	- Information published via: ~ Board Report ~ IDB website ~ Rate demands ~ Community communications ~ Information Boards	2027	IDB	Ecologist, Community, Landowners
	2b	Provide support to partners in IDB networks to control existing INNS within the IDB District	No. of INNS control projects supported	Ongoing	IDB	Ecologist, Community, Landowners

7. Procedural Action Plan

7.1. Introduction

A number of procedural actions have been identified and detailed below. These aim to help to underpin all other actions to support and enhance biodiversity via IDB activities.

7.2. Procedural Objectives

1. *Improve IDB representative's and contractor's knowledge and delivery of biodiversity support through training*
2. *Maintain no net loss of trees and hedgerows as a result of IDB activity and consenting*
3. *Maintain a no-culverting policy which aims to maintain the extent of open ditch habitat in the District*
4. *Liaise closely with Parish Councils to improve knowledge and support for IDB work*

7.3. Procedural Actions

Objective ref.	Action number	Action	Measurable / Indicators	Completion date	Action Lead	Partners
1	1a	Ensure all staff including contractors have received biodiversity training within 6 months from the start date of this Plan, or as part of their induction, and refresher training provided every 3 years.	Numbers of staff and trained and dates	2026 & 29	IDB	Ecologist
2	2a	Review and publish a “no culverting” policy	Publication of approved policy on website	By 2029	IDB	
3	3a	Deliver IDB updates at Parish Council meetings and request attendance of Parish Council at IDB meetings	No of meetings attended by IDB and Parish Councils	Ongoing	IDB	Parish Council

8. Monitoring

Appropriate indicators have been set for each of the IDB's biodiversity actions. The individual action plans set out the indicators and measurables which will be used to assess progress and execution against the plan. The IDB will review actions and indicators at least annually.

The overall plan will be updated at least every 5 years but is a dynamic document so may change more frequently for example in the light of monitoring outcomes or changing priorities.

9. Reporting

The Board is responsible for ensuring that progress against the Plans' targets are routinely reviewed and reported, at least annually, at Board meetings to allow the Board to discuss and review BAP activity and to modify the BAP and actions to meet the objectives where necessary.

Annual summary progress reports will detail which actions have been progressed according to the plan, any new opportunities identified, risks and issues affecting the objectives or actions, and the contribution actions have made towards achieving the objectives. Recommendations will be made in the light of the monitoring outcomes.

Making this information available to a wider audience is important in increasing the understanding of the importance of the Boards' actions regarding biodiversity and inspiring people about biodiversity. As such, the IDB will make the summary reports available externally in the following ways:

1. *In the public domain via the IDB's website;*
5. *Provided to conservation partners and community groups such as Parish Councils to assist with further local biodiversity conservation planning;*
6. *Provided to local authorities in order to contribute towards their legislative biodiversity reporting requirements including the Local Nature Recovery Strategies;*
7. *The Local Biological Records Centre.*

10. Appendices

10.1. Appendix I – National Character Area 46 – The Fens - Detailed Statements of Environmental Opportunity

Link to full Fens NCA - [The Fens - National Character Area Profiles](#)

SEO 1: Manage the agricultural landscape and soils which allow the Fens to be a major provider of food and horticultural produce, while seeking to enhance opportunities for biodiversity.

For example by:

- Maintaining the valuable, productive, open agricultural landscape of the Fens National Character Area (NCA) with its high-quality soils, many of which are classed as Grade 1 agricultural land, through sustainable farming and agricultural agreements to the benefit of food production, biodiversity, sense of place and climate change regulation.
- Increasing opportunities to manage and protect the remaining peat resource, for example by raising water levels, to maintain (or enhance where possible) the build-up of organic matter; and encouraging landowners and managers to pursue such activities.
- Encouraging landowners and managers to use sustainable farming methods that protect the soil, such as maintaining vegetative cover and using grass buffer strips to reduce soil erosion from susceptible arable fields in the autumn and winter.
- Encouraging the adoption of good practice to avoid soil compaction and maintain good soil structure.
- Encouraging landowners and managers to manage land to prevent peat from drying out, and to maintain wetted peat soils to reduce loss through compaction, oxidation and wastage.
- For mineral soils in the NCA, promoting management techniques to build up soil organic matter to help maintain and enhance soil quality.
- Encouraging farmers to use techniques such as establishing break crops to manage land and protect soil.
- Encouraging minimum tillage and greater use of organic manures, biosolids and digestates plus soil conditioners, which will help to ameliorate soil losses if pursued on sufficient scale.
- Encouraging the establishment of areas of semi-natural habitat such as reedbed and washland which slow the passage of water through the hydrological system.
- Restoring and managing traditional orchards where there is already a traditional pattern, for example around Wisbech, promoting the planting of new orchards of mixed fruit trees to encourage bees where they are absent, and promoting the expansion of traditional shelterbelts around orchards.

SEO 2: Manage the core wetland complexes and increase their connectivity by enhancing the main rivers, waterways and their associated riparian habitats and improve recreational access opportunities to the Fens.

For example by:

- Promoting the creation and restoration of wetland landscapes through co-ordinated and sensitive management of water resources in conjunction with Fens for the Future partners, including Internal Drainage Boards (IDBs) and the farming community.
- Managing key wetland sites, including Wicken, Woodwalton and Holme Fens, remnants of the original fen, together with the great washlands which will form the core wetland complexes.
- In addition to the existing core areas, developing extensions at Baston Fen, Great Fen and Wicken Fen as envisioned in the Wicken Vision, as well as new areas such as Lakenheath Fen, Needingworth and the Wissey Wetland, to create more and larger areas of wetland habitats.

- Improving the water quality and quantity in water bodies in the Fens and improving their habitat value by creating buffer zones and undertaking habitat enhancement works, and identifying means by which issues including diffuse pollution can be co-operatively tackled, thus making a valuable contribution to outcomes required by the Water Framework Directive.
- Critically assessing the engineered network of ditches, installing new water management mechanisms where necessary, to enable localised management of groundwater.
- Encouraging winter flood storage on appropriate areas of land, ensuring appropriate management and control of any water resource created, in accordance with Water Level Management Plans, promoting the reversion of existing flood-storage washlands to permanent grassland with extensive grazing regimes, and promoting the creation of new multi-functional washlands.
- Ensuring that sustainable flood risk management for the Fens is delivered through close partnerships.
- Promoting and establishing strategic, appropriately sized areas for biodiversity across the Fens to mitigate the impacts of local, summer storm-related catchment flooding, and to develop robust populations.
- Integrating and developing water resource management within flood management works and land management regimes, particularly at break point areas along the edge of the fen.
- Ensuring that the soils remain adequately hydrated to prevent erosion and maintain soil chemistry, especially where these soils could form ochre and become extremely acidic if dried and re-wetted.
- Promoting the creation of permissive and definitive access to increase opportunities for people to visit the Fens using sustainable transport methods; identifying the strategic gaps in the network and providing public transport in association with employment, heritage, education and recreation initiatives for local people and neighbouring towns and cities; and ensuring that existing projects with capacity such as Fens for the Future and the Fens Waterway Link address recreational and access issues.
- Identifying the strategic access gaps in the network and providing public transport in association with employment, heritage, education and recreation initiatives for local people and neighbouring towns and cities.

SEO 3: Plan for the creation of new coastal landscapes in the Wash area that are adapted and resilient to the impact of climate change, for the benefit of people and wildlife.

For example by:

- Seeking opportunities to reinstate intertidal salt marshes through realignment from arable to extensively grazed salt marsh, in line with the Wash Shoreline Management Plan.
- Seeking opportunities to create grazing marsh, reedbed and salt marsh throughout the Fens to compensate for losses of these habitats at the coast as a result of climate change and associated isostatic adjustment-induced sea-level rise, or where work carried out has damaged habitat.
- Seeking opportunities to identify and monitor key coastal active process sites.
- Replacing habitat lost from the coast through the East of England Regional Habitat Creation Programme.
- Planning for provision of permissive and definitive access (including the coastal access path) to increase opportunities for people to visit the Fens using sustainable transport methods.

SEO 4: Conserve, manage and enhance the Fens landscape and increase educational opportunities to access its geodiversity, archaeology and cultural heritage to enhance enjoyment and understanding for those who live and work in and visit the Fens.

For example by:

- Protecting and appropriately managing the historic environment, for its contribution to local character and sense of identity and as a framework for habitat restoration and

sustainable development.

- Improving the condition of heritage assets through appropriate measures and seeking to reduce conflicting or unsympathetic management regimes, while recognising the high potential in this landscape for undiscovered remains.
- Providing a wider understanding of the geological record of environmental change held within the peat and associated Quaternary sediments, and supporting demonstration projects and sites that illustrate the cultural history, successional fenland habitats and geodiversity of the Fens.
- Managing and conserving the geological exposures throughout the Fens by the removal of undergrowth and the prevention of fly-tipping on these sites, in addition to identifying and protecting new (key) sites as they are discovered.
- Making links between geodiversity, archaeology and cultural heritage, building towards an integrated approach with the surrounding natural environment/landscapes.
- Conserving and monitoring buried geological and archaeological remains that are under threat through erosion of peat, increased or inappropriate cultivation, drying out from dewatering for irrigation, and pressures from development.
- Conserving historic landmark buildings and earthwork sites together with their setting, especially on the settled fens and clay islands.
- Using understanding of the area's traditional and historic architecture, and its distinct patterns of settlement, to inform appropriate conservation and use of historic buildings and farmsteads, and to plan for and inspire any environmentally beneficial new development that makes a positive contribution to local character.
- Promoting understanding of the benefits and potential adverse impacts of wind farms and associated electricity transmission pylons, which are an increasing feature of the fenland landscape.

SEO 5: Seek partners to aid in the development and future provision of new, distinctive, Fenland economies.

For example by:

- By promoting fenland cuisine and food preparation using local ingredients.
- Promoting natural art and craft production (such as baskets, woven reed mats, screens and fences for garden or poultry/ animal management purposes) in order to diversify the economic opportunities and output from Fenland resources.