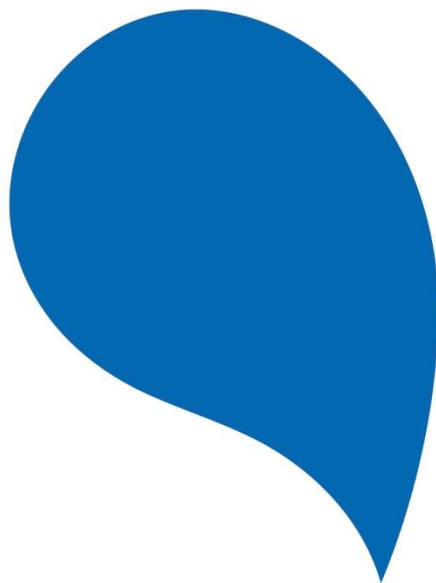


Fens Reservoir

**Environmental Impact Assessment  
Scoping Report  
Volume 2  
Part 3: Figures 10.1 – 10.6**

**October 2024**



## Document Control

<b>Document title</b>	EIA Scoping Report – Volume 2 – Part 3
<b>Revision</b>	C01
<b>Date</b>	October 2024

## Version History

<b>Revision</b>	<b>Suitability</b>	<b>Date</b>	<b>Description</b>
C01	A3	October 2024	For submission to the Planning Inspectorate

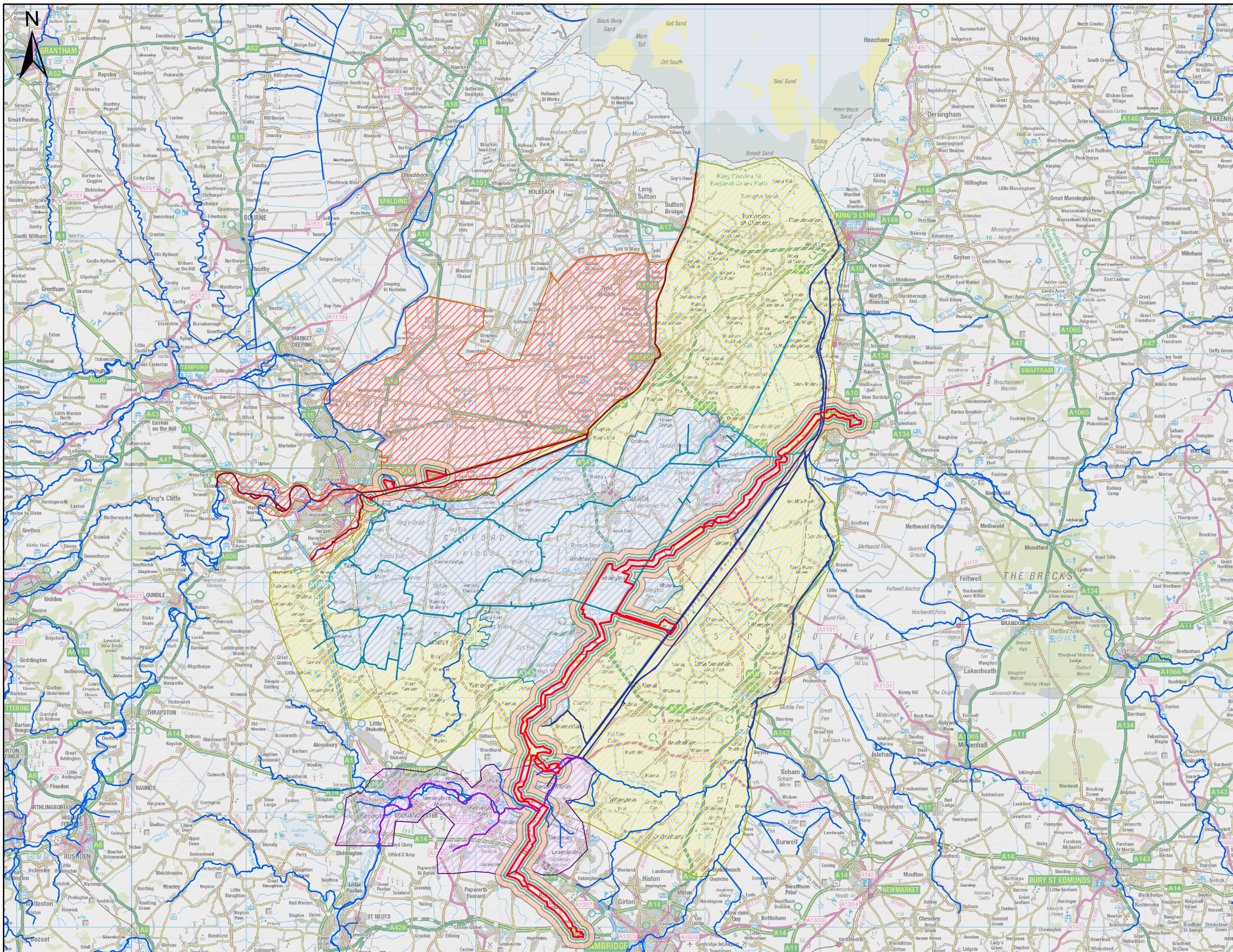


## Contents

**Chapter 10: Water resources and flood risk figures ..... 1**

## Chapter 10: Water resources and flood risk figures





- Legend**
- Scoping boundary
  - Study Areas**
  - 250m buffer surface water study area
  - 500m buffer groundwater assessment study area
  - 1000m buffer surface water study area for sources of supply and water treatment works
  - Lower Great Ouse Modelled Watercourses (Environment Agency 2020)
  - Middle Level Commission Modelled Watercourses (Anglian Water 2023)
  - Lower Nene Modelled Watercourses (Environment Agency 2013)
  - Fenland Modelled Watercourses (Environment Agency 2016)
  - Statutory Main Rivers
  - Managed Watercourse (Raised)
  - Lower Nene Flood Model Extent (Environment Agency 2013)
  - Lower Great Ouse Flood Model Extent (Environment Agency 2020)
  - Middle Level Commission Updated Flood Model Extent (Anglian Water 2023)
  - Fenland Flood Model Extent (Environment Agency 2016)

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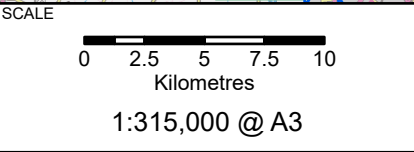
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**DRAWING TITLE**  
EIA EIA Scoping Report - Figure 10.1 - Water resources and flood risk study area

**REVISION**  
P03

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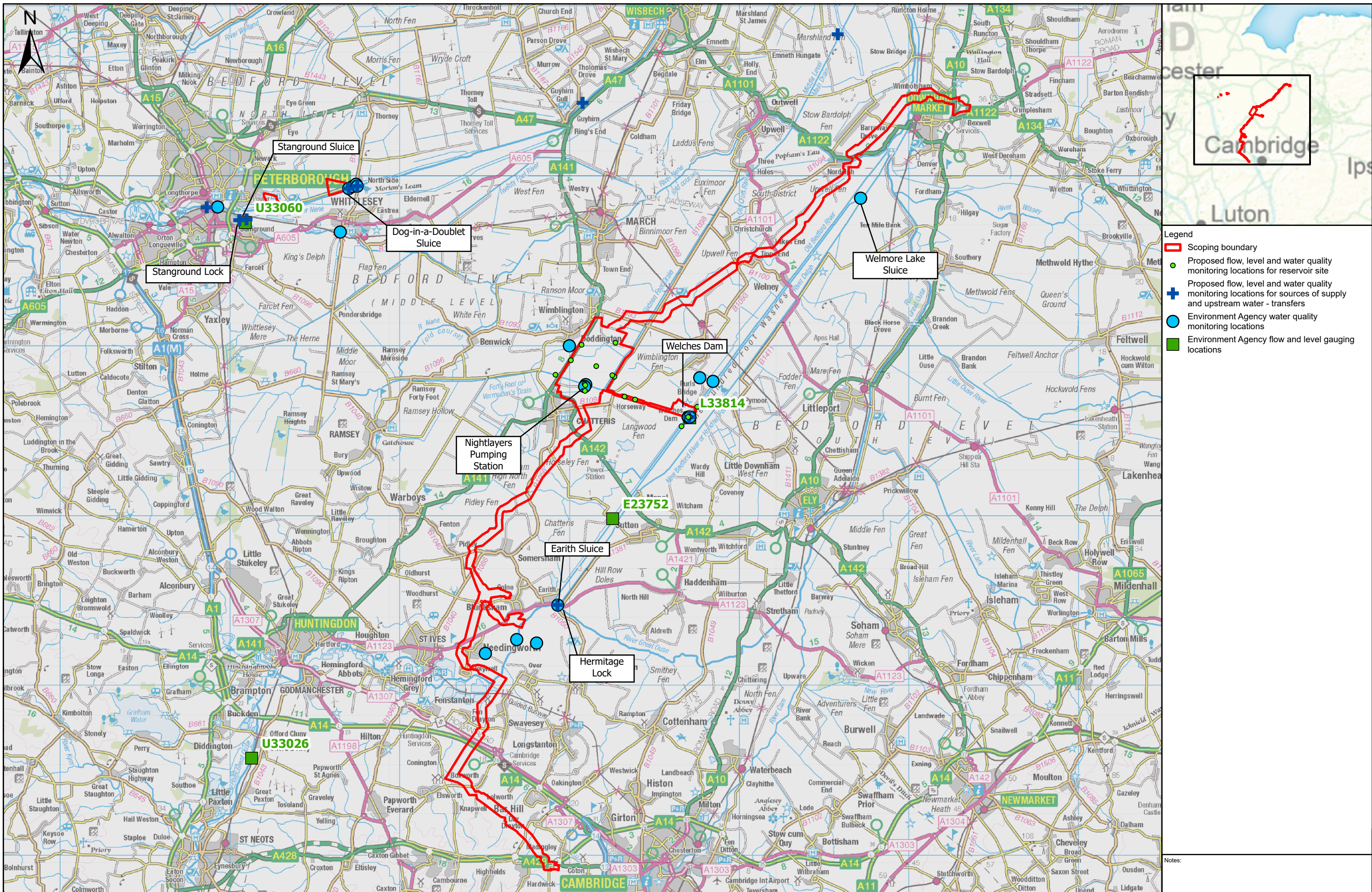
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P01	INITIAL ISSUE	26/07/2024	MCh
P02	SECOND ISSUE	28/08/2024	KB
P03	THIRD ISSUE	12/09/2024	TW



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**DRAWING No.** 07356\_JCB\_XX\_ZZZ\_GIS\_TW\_0015





- Legend**
- ▭ Scoping boundary
  - Proposed flow, level and water quality monitoring locations for reservoir site
  - + Proposed flow, level and water quality monitoring locations for sources of supply and upstream water - transfers
  - Environment Agency water quality monitoring locations
  - Environment Agency flow and level gauging locations

PROJECT TITLE  
**Fens Reservoir**

DRAWING TITLE  
**EIA Scoping Report - Figure 10.2 - Existing and proposed water quality, flow and level monitoring locations**

REVISION  
**P03**

STATUS CODE  
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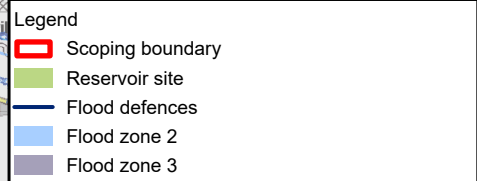
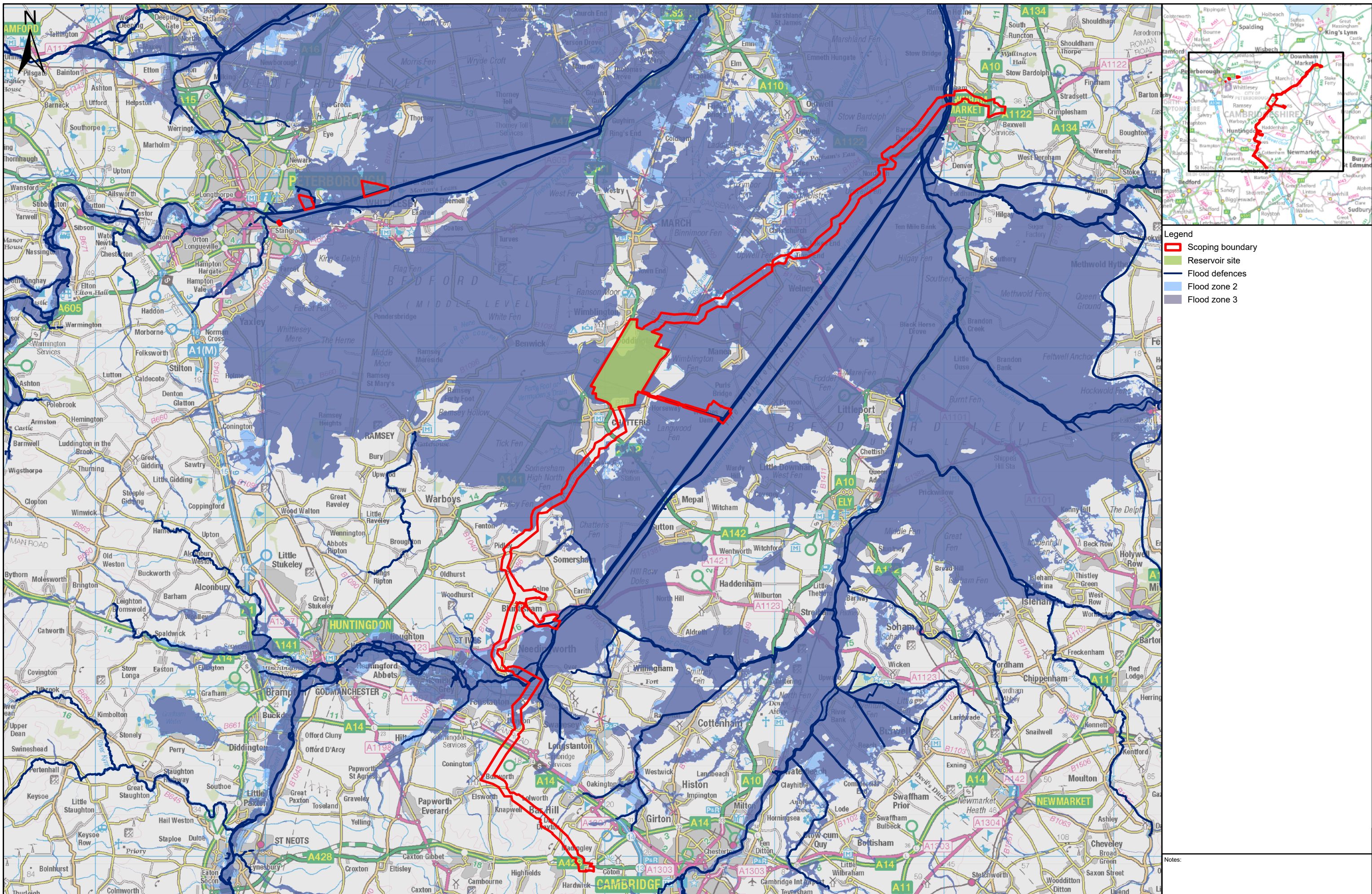
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P02	SECOND ISSUE	28/08/2024	KB
P03	THIRD ISSUE	12/09/2024	TW



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- Legend**
- ▬ Scoping boundary
  - Reservoir site
  - ▬ Flood defences
  - Flood zone 2
  - Flood zone 3

Notes:

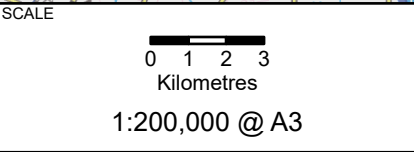
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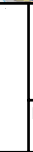
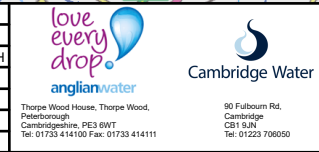
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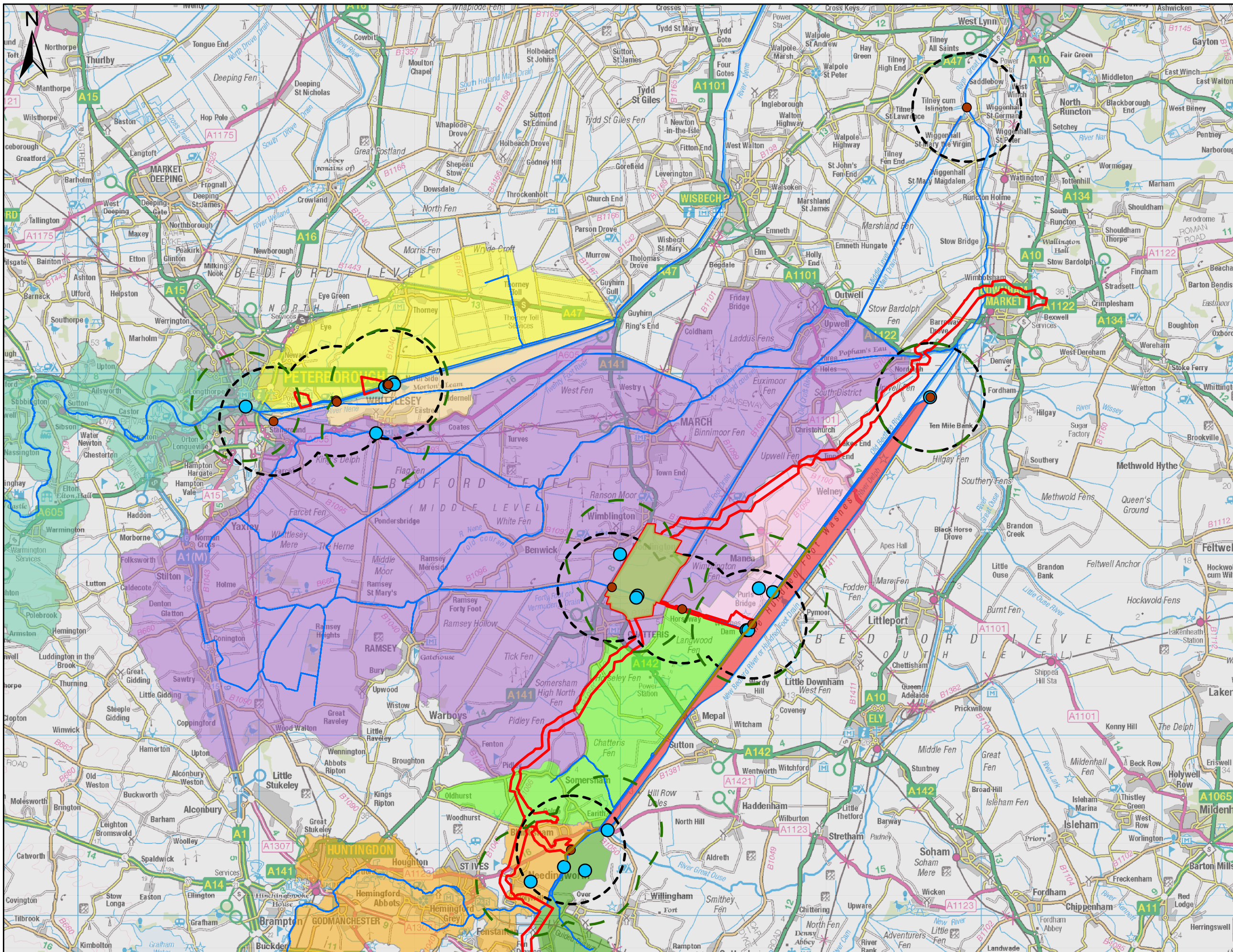
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P02	SECOND ISSUE	28/08/2024	KB
P03	THIRD ISSUE	12/09/2024	TW



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DRAWING No. **07356\_JCB\_XX\_ZZZ\_GIS\_TW\_0055**





- Legend**
- ▬ Scoping boundary
  - Reservoir site
  - ▬ Environment Agency water quality monitoring 3km buffer
  - Environment Agency water quality monitoring locations
  - Proposed abstraction and discharge locations
  - ▬ Proposed abstraction and discharge stretches
  - ▬ Water Framework Directive watercourses
  - ▬ Proposed abstraction and discharge locations 3km buffer
  - ▬ Water Framework Directive water body catchment boundaries
  - ▬ Counter Drain (Manea and Welney IDB)
  - ▬ Counter Drain (Sutton and Mepal IDB incl. Cranbrook Drain)
  - ▬ Middle level
  - ▬ Mortons Leam
  - ▬ Nene - Islip to tidal
  - ▬ North level pumped areas 2 and 3
  - ▬ Old Bedford River / River Delph (inc The Hundred Foot Washes)
  - ▬ Ouse (Roxton to Earith)
  - ▬ Swavesey Drain

Notes:

PROJECT TITLE  
**Fens Reservoir**

DRAWING TITLE  
**EIA Scoping Report - Figure 10.4 - Environment Agency water quality monitoring stations**

REVISION  
**P03**

STATUS CODE  
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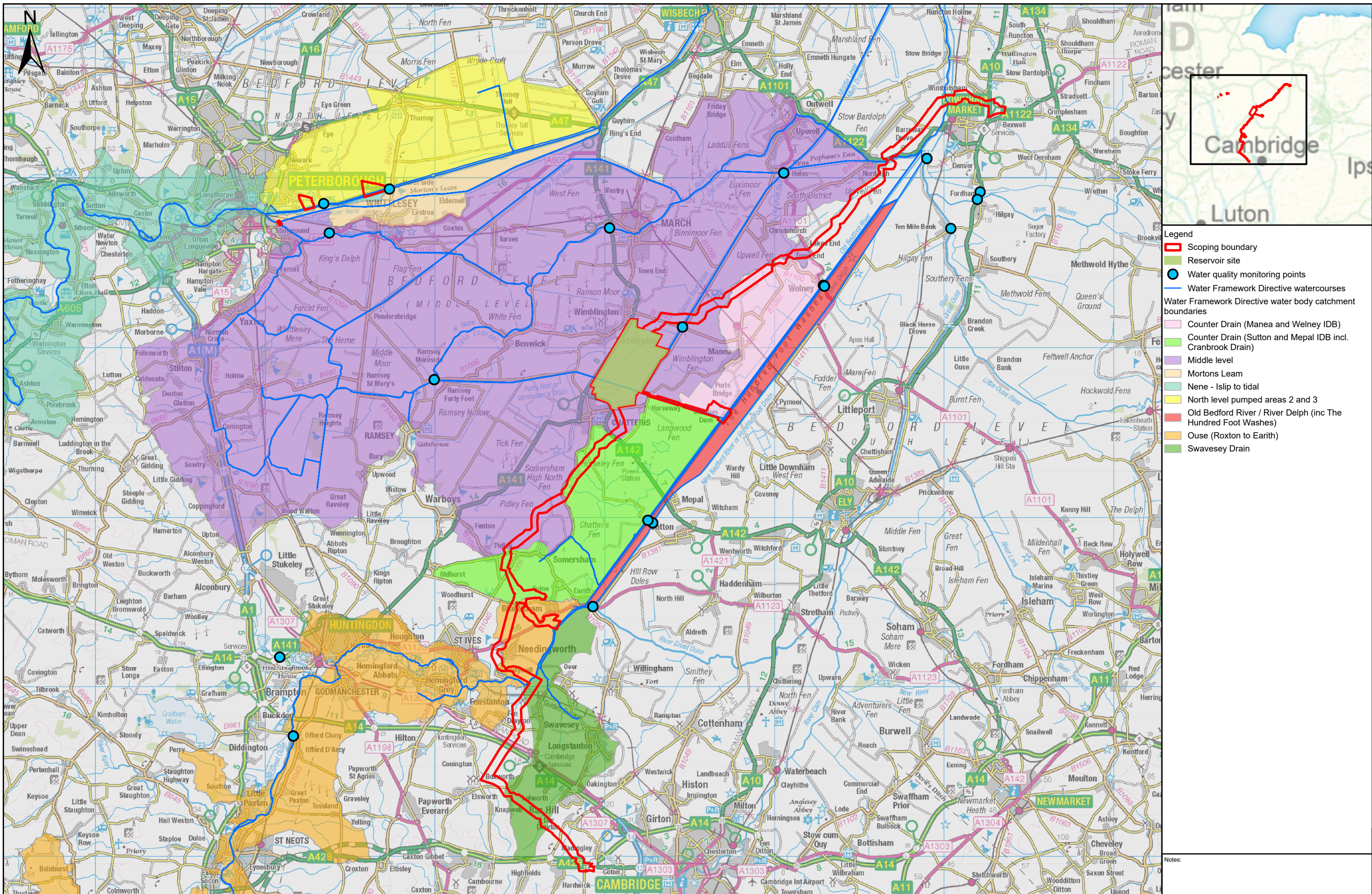
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P01	INITIAL ISSUE	27/07/2024	KC
P02	SECOND ISSUE	28/08/2024	KB
P03	THIRD ISSUE	12/09/2024	TW



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- Legend**
- ▬ Scoping boundary
  - Reservoir site
  - Water quality monitoring points
  - Water Framework Directive watercourses
- Water Framework Directive water body catchment boundaries**
- Counter Drain (Manea and Welney IDB)
  - Counter Drain (Sutton and Mepal IDB incl. Cranbrook Drain)
  - Middle level
  - Morton's Leam
  - Nene - Isip to tidal
  - North level pumped areas 2 and 3
  - Old Bedford River / River Delph (inc The Hundred Foot Washes)
  - Ouse (Roxton to Earith)
  - Swavesey Drain

Notes:

PROJECT TITLE  
**Fens Reservoir**

DRAWING TITLE  
**EIA Scoping report - Figure 10.5 - Applicant's water quality monitoring stations**

REVISION  
**P03**

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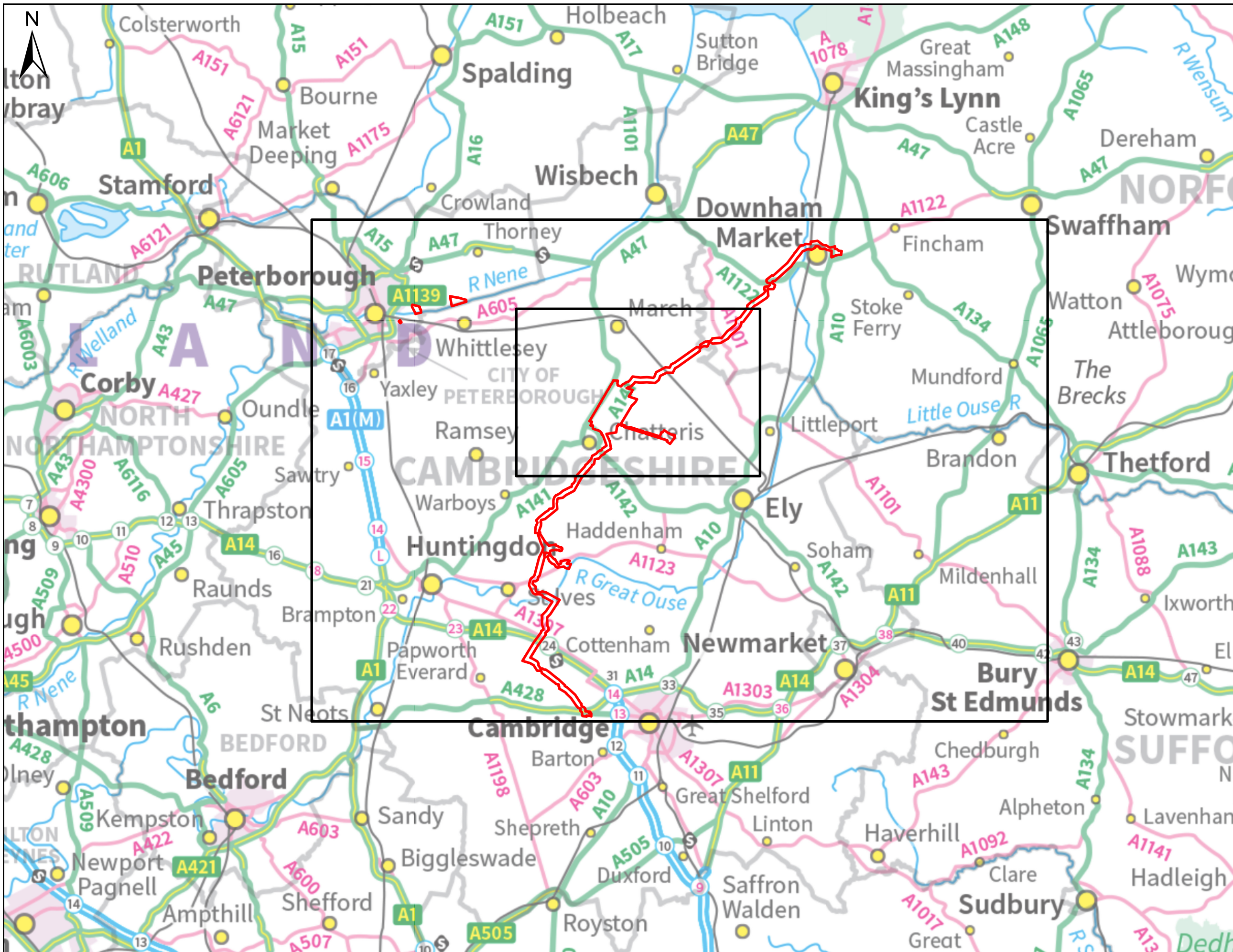
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Legend  
 Scoping boundary  
 Fens scoping map series

Notes:

PROJECT TITLE  
**Fens Reservoir**

DRAWING TITLE  
 EIA Scoping Report - Figure 10.6 - Groundwater features

REVISION  
 P03

STATUS CODE  
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SHEET NUMBER  
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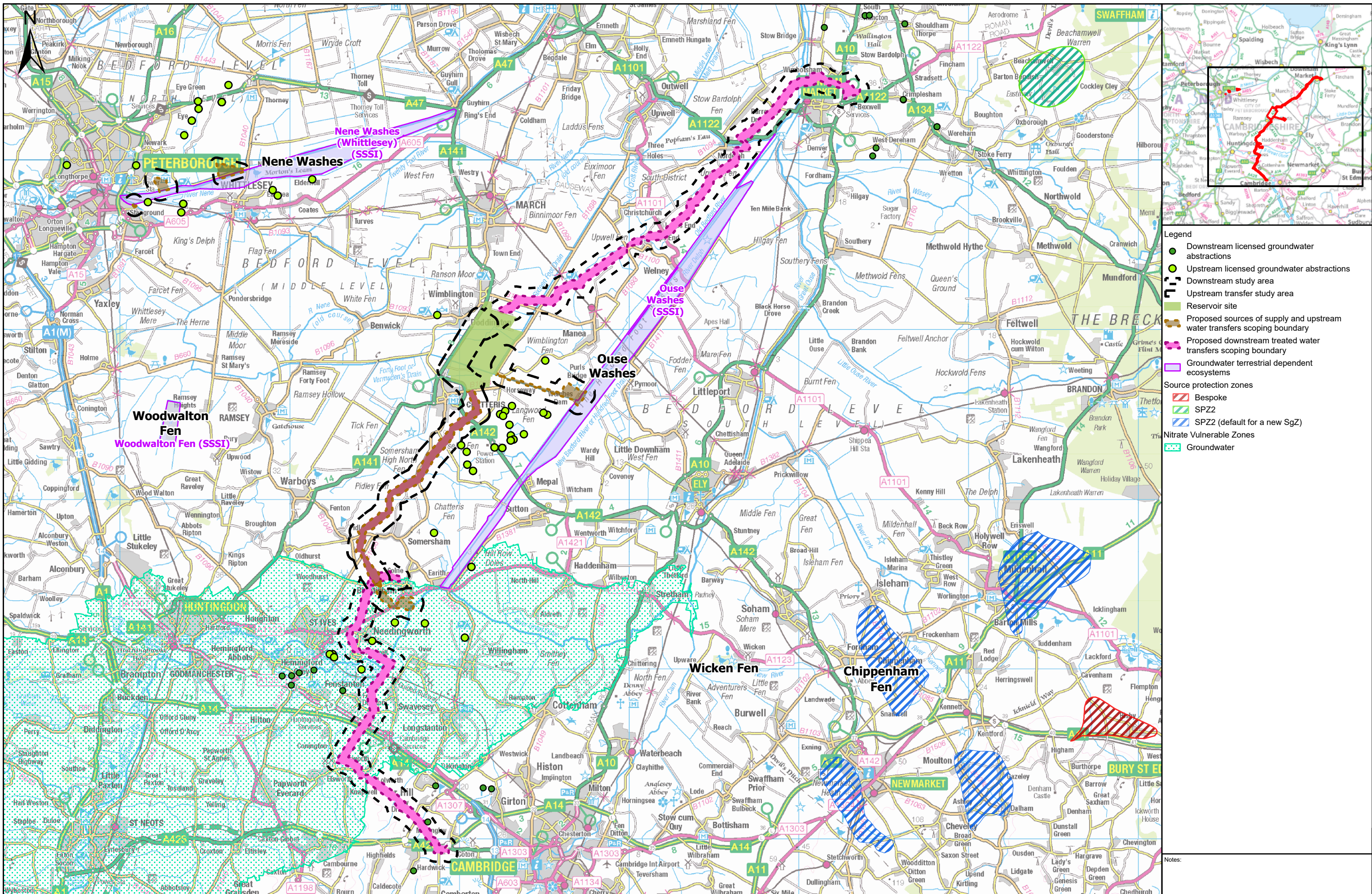
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DRAWING No. **07356\_JCB\_XX\_ZZZ\_GIS\_TW\_0056**





- Legend**
- Downstream licensed groundwater abstractions
  - Upstream licensed groundwater abstractions
  - Downstream study area
  - Upstream transfer study area
  - Reservoir site
  - Proposed sources of supply and upstream water transfers scoping boundary
  - Proposed downstream treated water transfers scoping boundary
  - Groundwater terrestrial dependent ecosystems
- Source protection zones**
- Bespoke
  - SP22
  - SP22 (default for a new SgZ)
- Nitrate Vulnerable Zones**
- Groundwater

PROJECT TITLE  
**Fens Reservoir**

DRAWING TITLE  
**EIA Scoping Report - Figure 10.6 - Groundwater features**

REVISION  
**P03**

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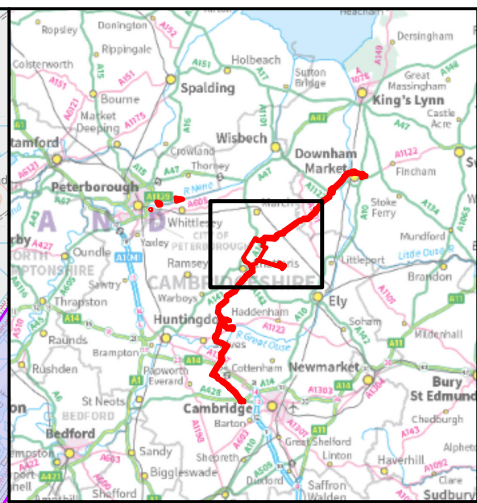
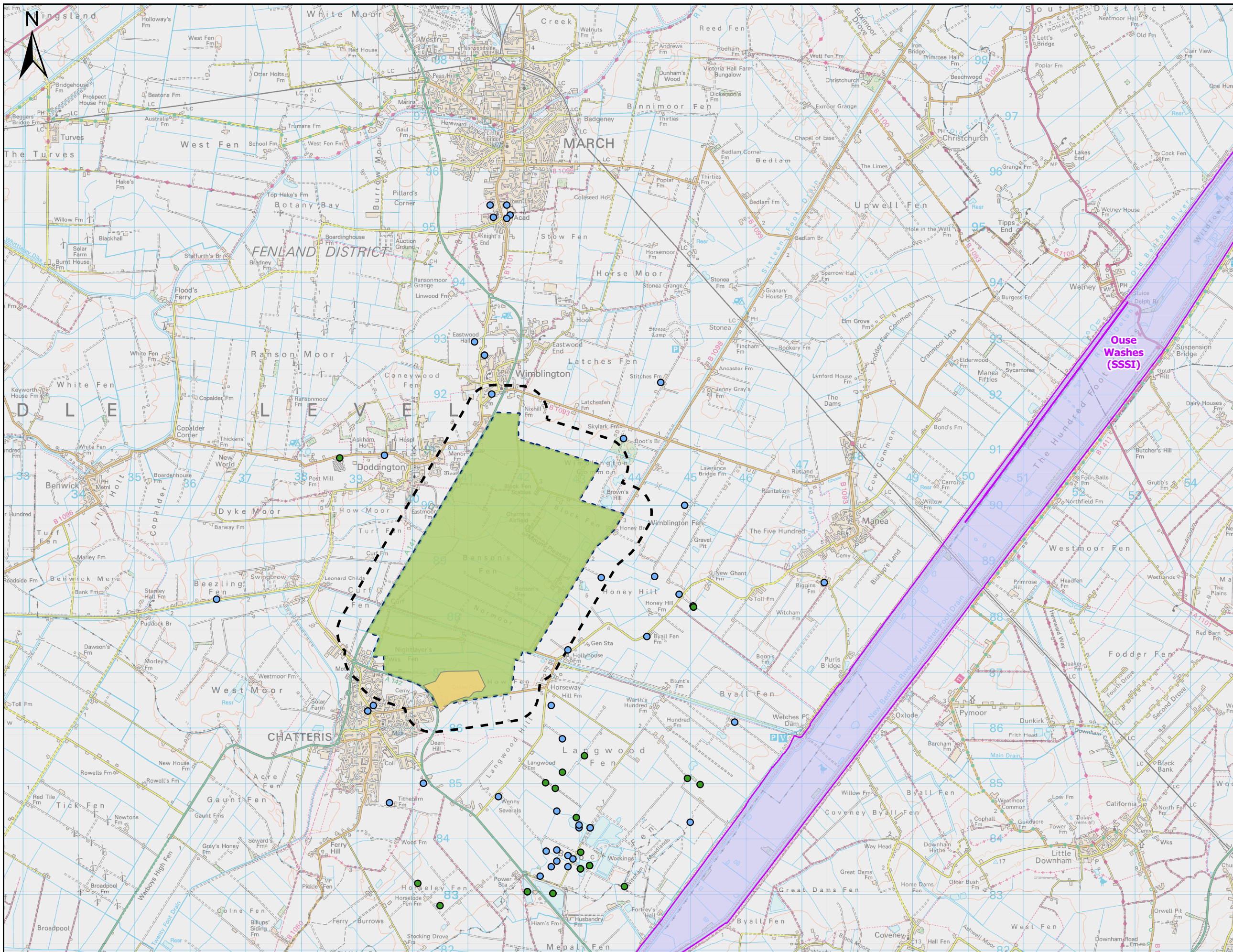
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- Legend**
- Reservoir site and water treatment works licensed groundwater abstractions
  - Reservoir site and water treatment works unlicensed groundwater abstractions
  - Reservoir site and water treatment works study area
  - Reservoir site
  - Proposed water treatment works scoping boundary
  - Groundwater terrestrial dependent ecosystems
- Source protection zones**
- Bespoke
  - SP22
  - SP22 (default for a new SgZ)
  - SP23

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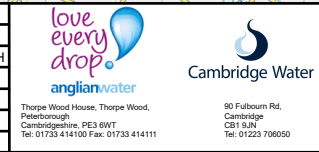
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### You can contact us by



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Call Freephone on **0800 915 2492**



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You can view all our DCO application documents and updates  
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