

Grand Union Canal Transfer

Environmental Impact Assessment Scoping Report

Volume 2: Figures

Part 11 of 11

Affinity Water, Severn Trent and Canal & River Trust



Prepared for:

Affinity Water, Severn Trent and Canal & River Trust

Prepared by:

AECOM Limited

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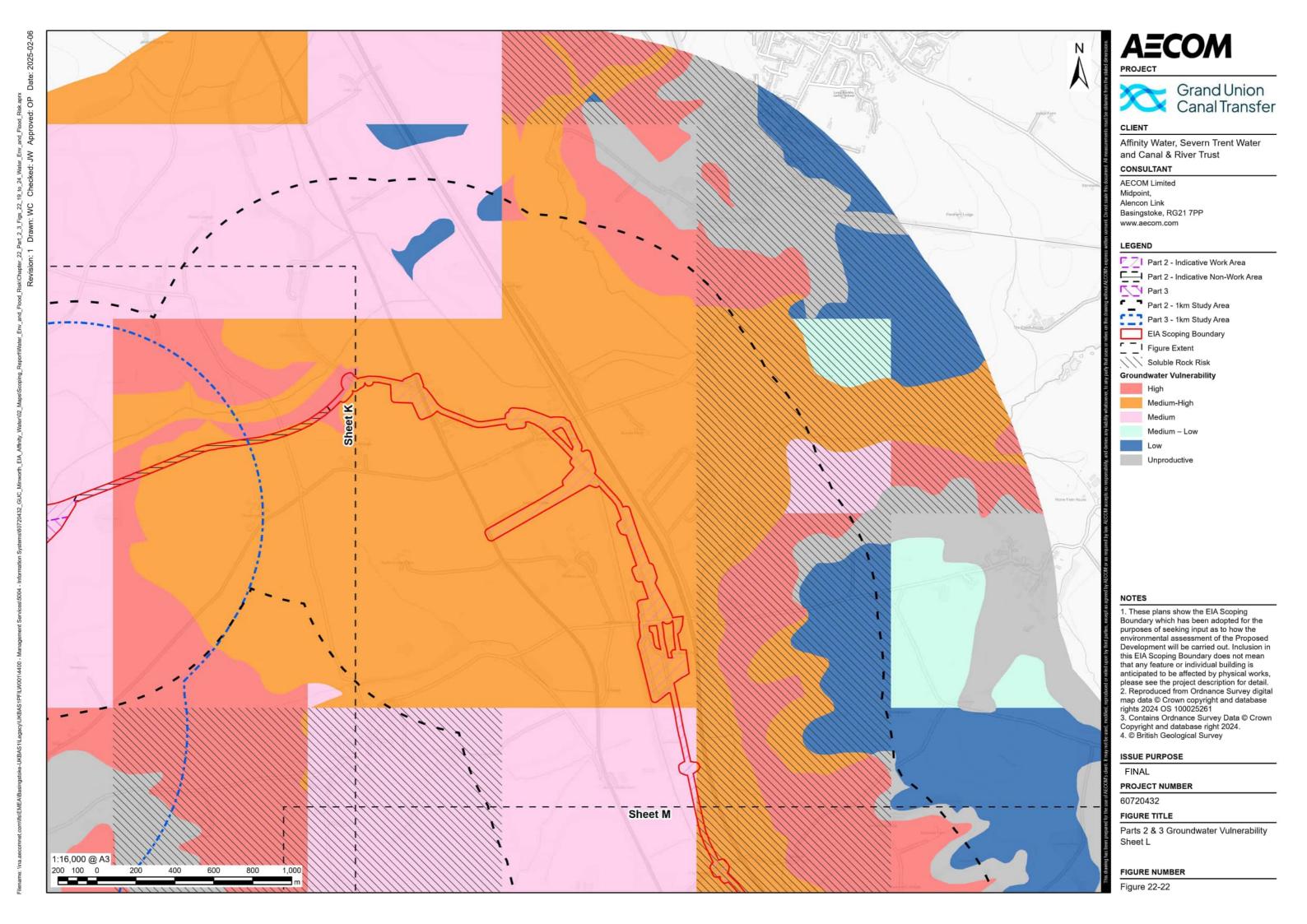
Contents

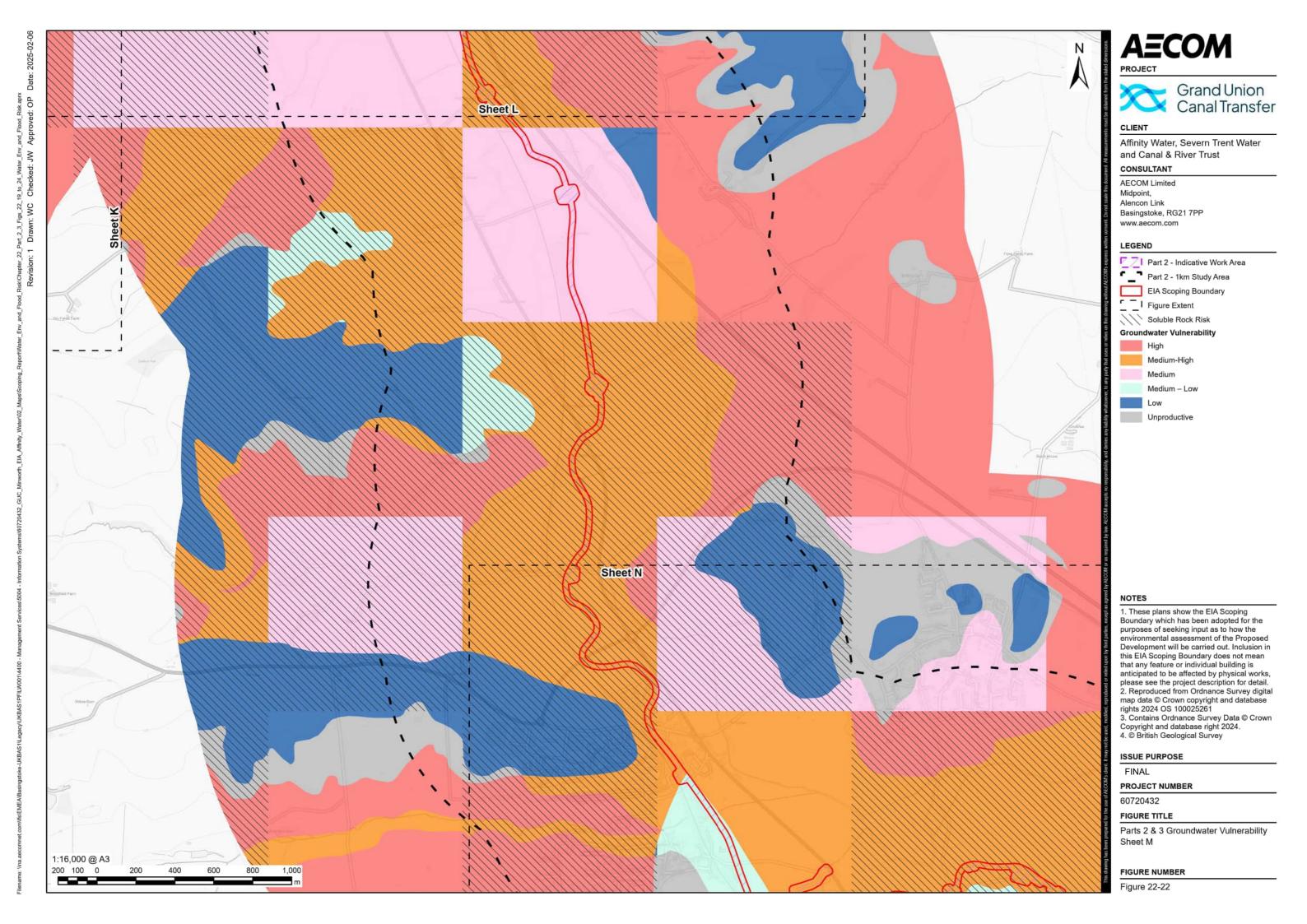
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- Figure 22-34: Part 4 Susceptibility to Groundwater Flooding
- Figure 22-35: Part 4 Susceptibility to Groundwater Flooding

An EIA Scoping Boundary has been adopted for the purposes of seeking input as to how the environmental assessment of the Proposed Development will be carried out and is included on a number of the Figures presented in Volume 2 of this EIA Scoping Report. These Figures are not consenting/planning application plans. The EIA Scoping Boundary is wider than the final DCO limits (red line) for the application. Inclusion in this EIA Scoping Boundary does not mean that any feature or individual building is anticipated to be affected by physical works, please see the project description for detail. Existing buildings and other identified constraints, will be excluded from the DCO limits (red line) where possible. The DCO limits as refined will be published and consulted on in the next stage of public consultation (currently expected to be Q4 2025/ Q1 2026).



Figure 22-22: Parts 2 & 3 Groundwater Vulnerability (Sheet K to W)





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LEGEND

7 1 Part 2 - Indicative Work Area Part 2 - 1km Study Area

EIA Scoping Boundary

r - I Figure Extent

Soluble Rock Risk

Groundwater Vulnerability

High

Medium-High

Medium

Medium - Low

Low

Unproductive

- These plans show the EIA Scoping
 Boundary which has been adopted for the
 purposes of seeking input as to how the
 environmental assessment of the Proposed Development will be carried out. Inclusion in Development will be carried out. Inclusion in this EIA Scoping Boundary does not mean that any feature or individual building is anticipated to be affected by physical works, please see the project description for detail.

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ISSUE PURPOSE

FINAL

PROJECT NUMBER

60720432

FIGURE TITLE

Parts 2 & 3 Groundwater Vulnerability Sheet N

FIGURE NUMBER



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7 1 Part 2 - Indicative Work Area Part 2 - 1km Study Area

EIA Scoping Boundary

r - I Figure Extent

Soluble Rock Risk **Groundwater Vulnerability**

High

Medium-High

Medium Medium - Low

Low

Unproductive

NOTES

 These plans show the EIA Scoping Boundary which has been adopted for the purposes of seeking input as to how the environmental assessment of the Proposed Development will be carried out. Inclusion in this EIA Scoping Boundary does not mean this EIA Scoping Boundary does not mean that any feature or individual building is anticipated to be affected by physical works, please see the project description for detail.

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FIGURE TITLE

Parts 2 & 3 Groundwater Vulnerability Sheet P

FIGURE NUMBER



- environmental assessment of the Proposed Development will be carried out. Inclusion in

Parts 2 & 3 Groundwater Vulnerability



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Part 2 - Indicative Work Area

EIA Scoping Boundary

Soluble Rock Risk

Groundwater Vulnerability

High

Medium-High

Medium

Unproductive

- These plans show the EIA Scoping Boundary which has been adopted for the purposes of seeking input as to how the environmental assessment of the Proposed Development will be carried out. Inclusion in Development will be carried out. Inclusion in this EIA Scoping Boundary does not mean that any feature or individual building is anticipated to be affected by physical works, please see the project description for detail.

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Parts 2 & 3 Groundwater Vulnerability

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LEGEND

Part 2 - Indicative Work Area Part 2 - Indicative Non-Work Area

Part 2 - 1km Study Area

EIA Scoping Boundary

Groundwater Vulnerability

High

Medium - Low

Low

Unproductive

NOTES

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FIGURE TITLE

Parts 2 & 3 Groundwater Vulnerability Sheet T

FIGURE NUMBER



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Part 2 - Indicative Work Area

Groundwater Vulnerability

 These plans show the EIA Scoping Boundary which has been adopted for the purposes of seeking input as to how the environmental assessment of the Proposed Development will be carried out. Inclusion in this EIA Scoping Boundary does not mean that any feature or individual building is anticipated to be affected by physical works, please see the project description for detail.

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Parts 2 & 3 Groundwater Vulnerability



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Part 2 - Indicative Work Area

Part 2 - 1km Study Area

EIA Scoping Boundary

_ _ I Figure Extent

Groundwater Vulnerability

High

Medium-High

Medium

Medium - Low Low

Unproductive

 These plans show the EIA Scoping Boundary which has been adopted for the purposes of seeking input as to how the environmental assessment of the Proposed Development will be carried out. Inclusion in this EIA Scoping Boundary does not mean that any feature or individual building is anticipated to be affected by physical works, please see the project description for detail.

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FIGURE TITLE

Parts 2 & 3 Groundwater Vulnerability Sheet V

FIGURE NUMBER



7 7 Part 2 - Indicative Work Area

Groundwater Vulnerability

 These plans show the EIA Scoping
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Parts 2 & 3 Groundwater Vulnerability



Figure 22-23: Trent and Tame – WFD Water Bodies

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LEGEND

WFD Waterbody

WFD River Water Body - Cycle 3 -Included for Assessment

> GB104028053110 - Trent from River Soar to The Beck

> GB104028053120 - Trent from River Derwent to River Soar

> GB104028047420 - Trent from Dove to Derwent GB104028047180 - Trent from

River Tame to River Dove GB104028047050 - Tame from River Anker to River Trent

GB104028046440 - Tame from River Blythe to River Anker

GB104028046841 - Tame from River Rea to River Blythe

NOTES

1. These plans show the EIA Scoping Boundary which has been adopted for the purposes of seeking input as to how the environmental assessment of the Proposed Development will be carried out. Inclusion in this EIA Scoping Boundary does not mean that any feature or individual building is anticipated to be affected by physical works, please see the project description for detail. 2. © Environment Agency copyright and/or database right 2024. All rights reserved.
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FIGURE TITLE

Trent and Tame - WFD Water Bodies

FIGURE NUMBER



Figure 22-24: Trent and Tame – Abstraction Licences

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Env Agency Abstraction Licences January 2025

- WFD Waterbody

WFD River Water Body - Cycle 3 -Included for Assessment

GB104028053110 - Trent from River Soar to The Beck

GB104028053120 - Trent from River Derwent to River Soar GB104028047420 - Trent from

Dove to Derwent GB104028047180 - Trent from

River Tame to River Dove GB104028047050 - Tame from River Anker to River Trent

GB104028046440 - Tame from River Blythe to River Anker GB104028046841 - Tame from

River Rea to River Blythe

1. These plans show the EIA Scoping Boundary which has been adopted for the purposes of seeking input as to how the environmental assessment of the Proposed Development will be carried out. Inclusion in this EIA Scoping Boundary does not mean that any feature or individual building is anticipated to be affected by physical works, please see the project description for detail.

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FIGURE TITLE

Trent and Tame - Abstraction Licences

FIGURE NUMBER

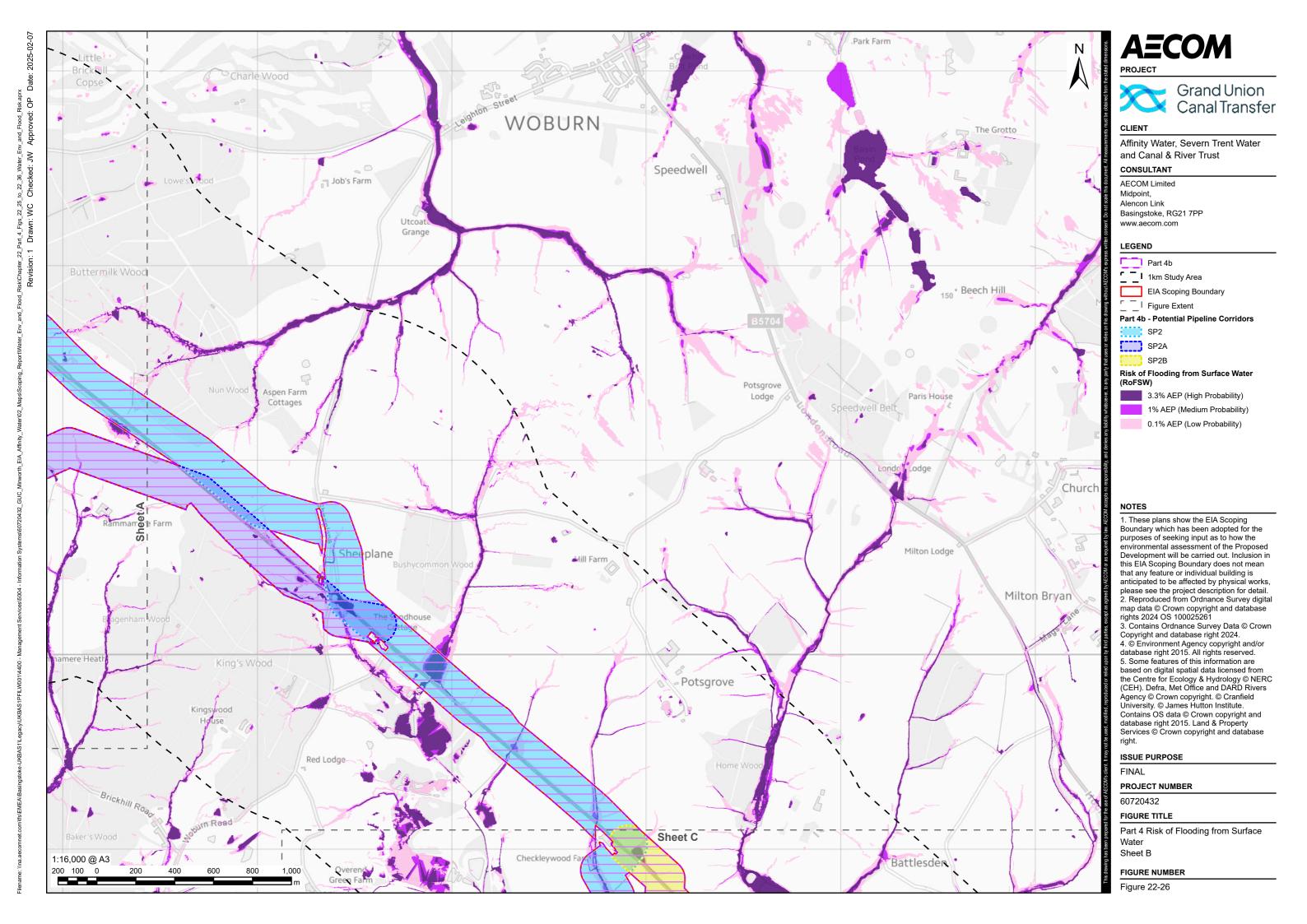


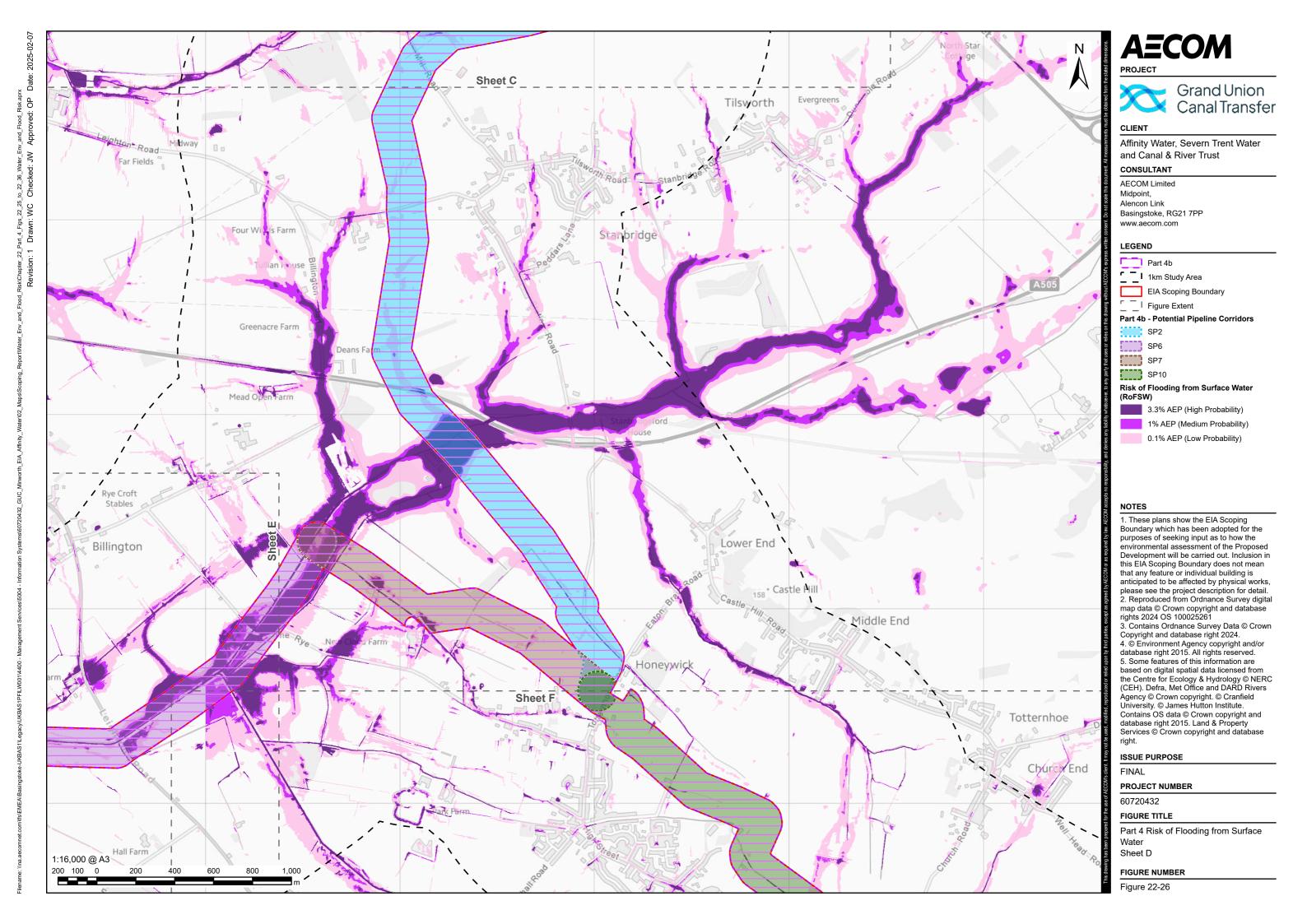
Figure 22-25: Part 4 Surface Water Abstractions and Discharge Consents

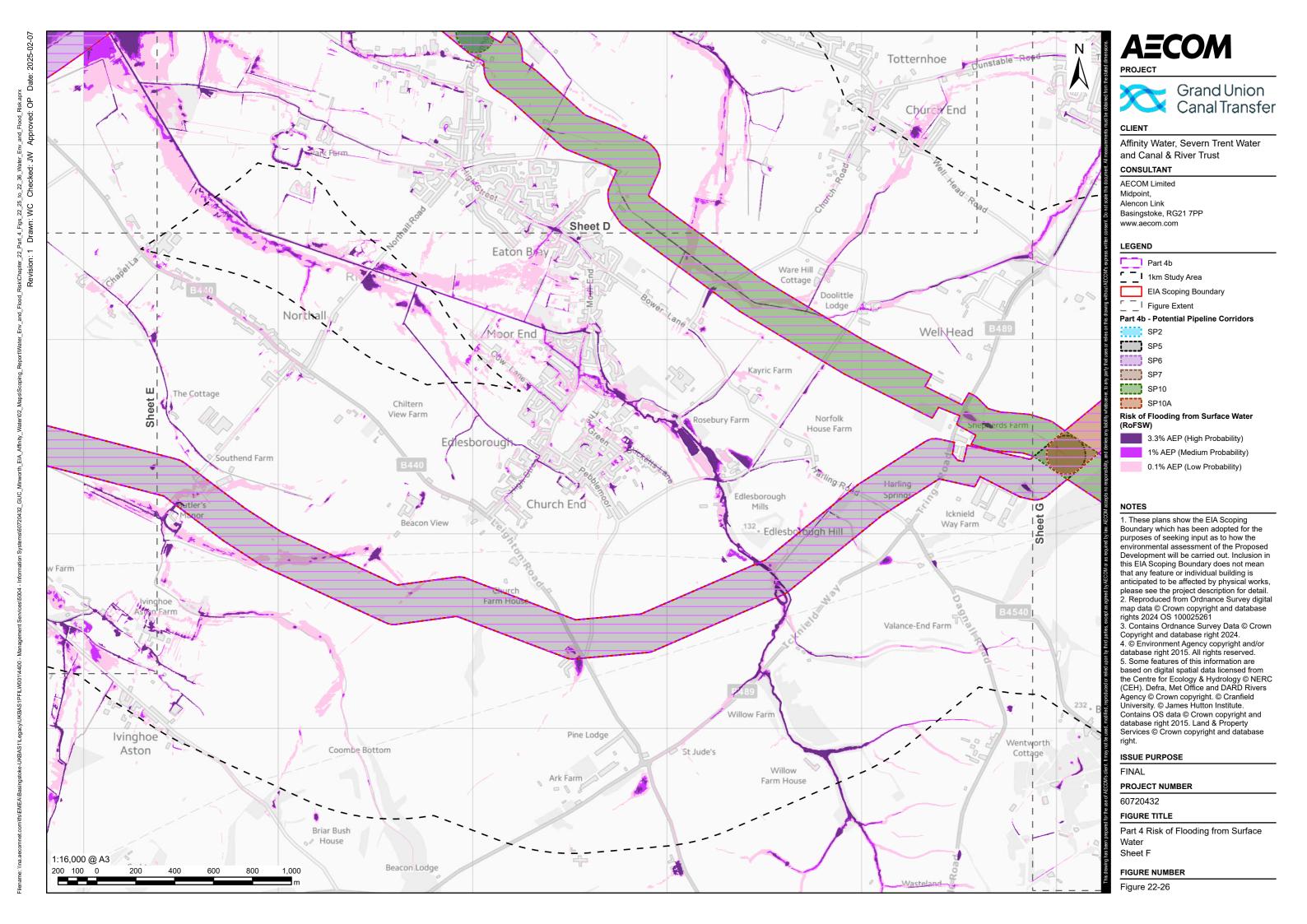
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Figure 22-26: Part 4 Risk of Flooding from Surface Water







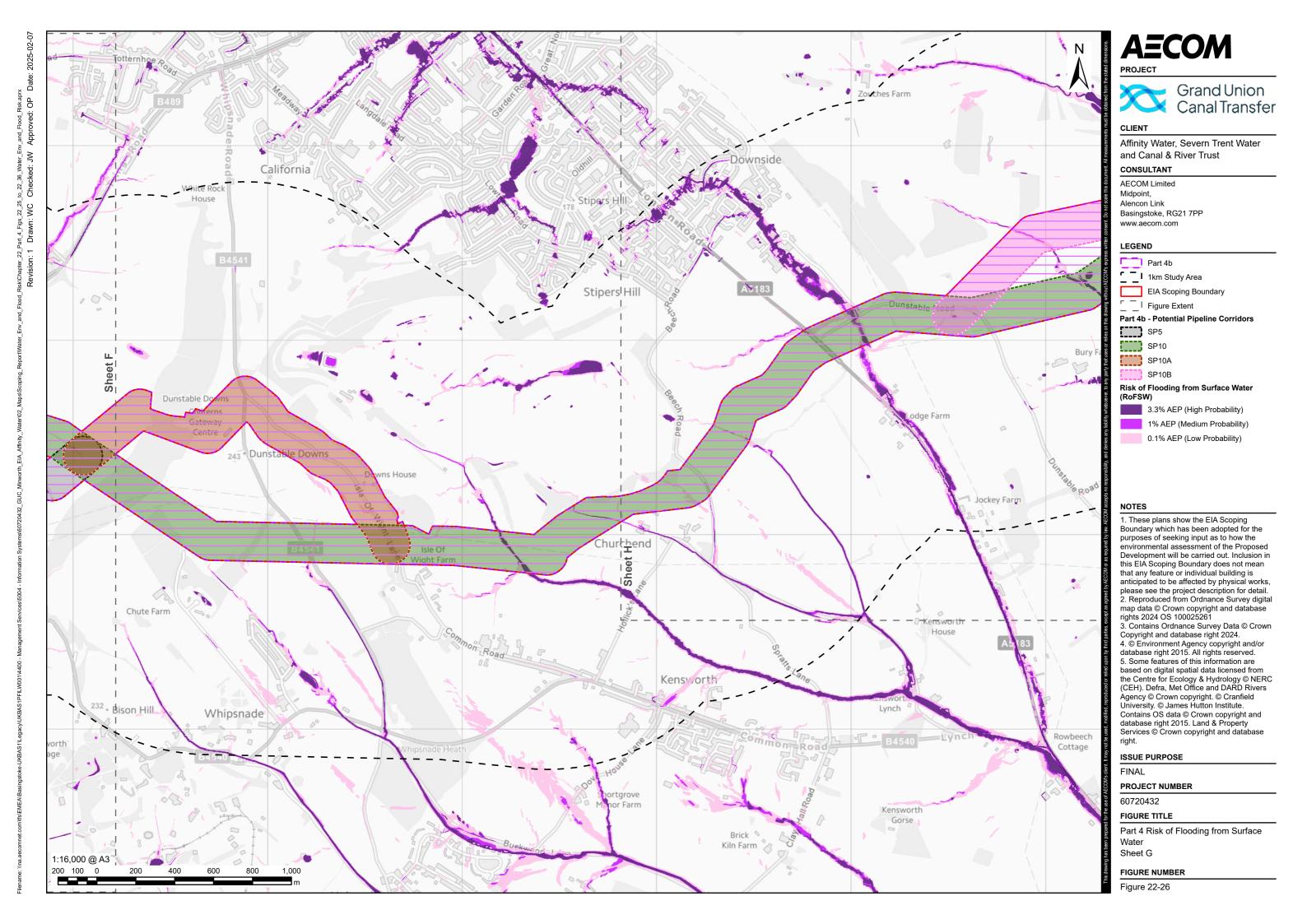




Figure 22-27: Part 4 Flood Map for Planning (Rivers and Sea)

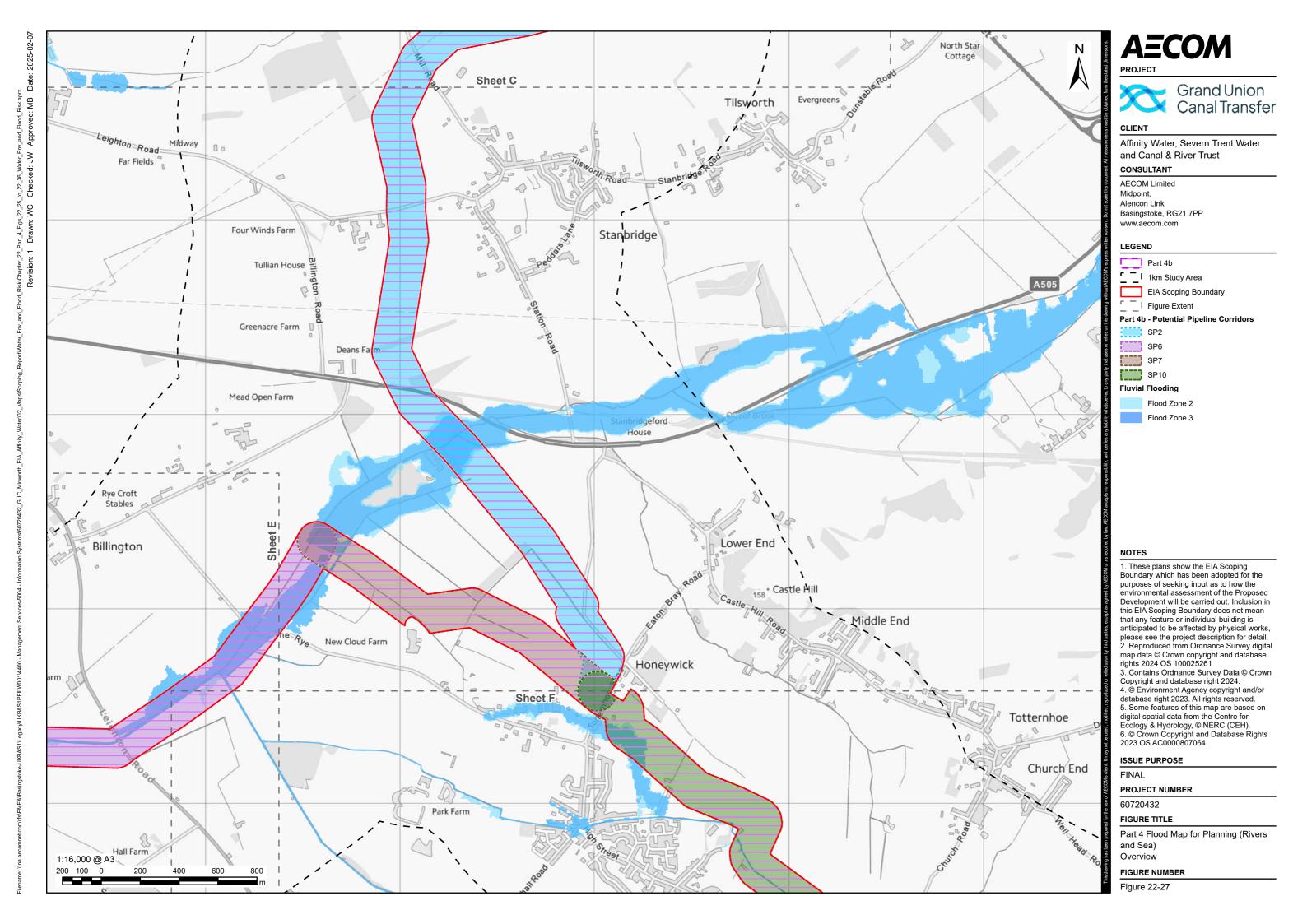




Figure 22-28: Part 4 Risk of Flooding from Reservoirs

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Figure 22-28

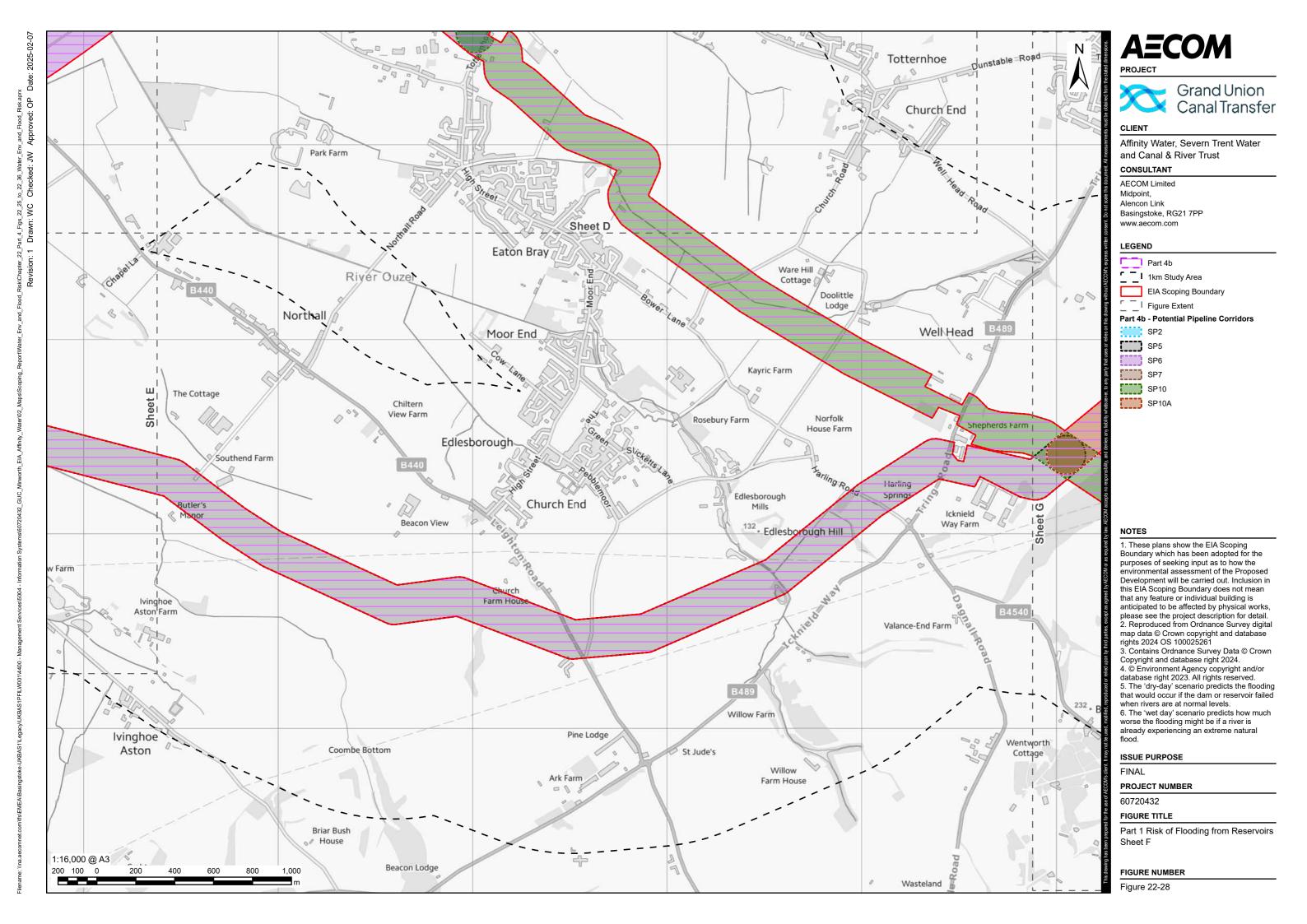
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5. The 'dry-day' scenario predicts the flooding that would occur if the dam or reservoir failed

Figure 22-28



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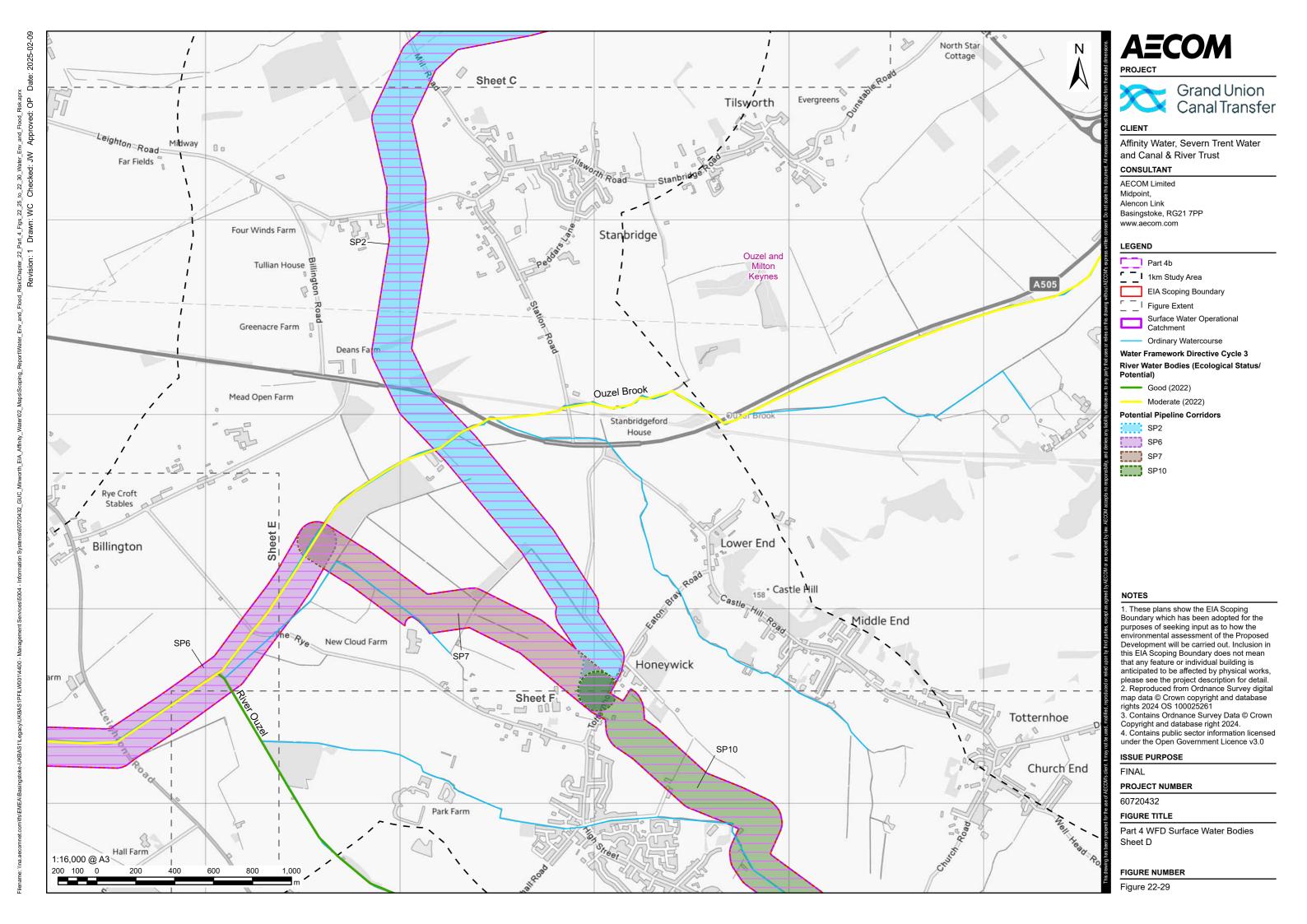
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when rivers are at normal levels.
6. The 'wet day' scenario predicts how much worse the flooding might be if a river is already experiencing an extreme natural



Figure 22-29: Part 4 WFD Surface Water Bodies

Figure 22-29



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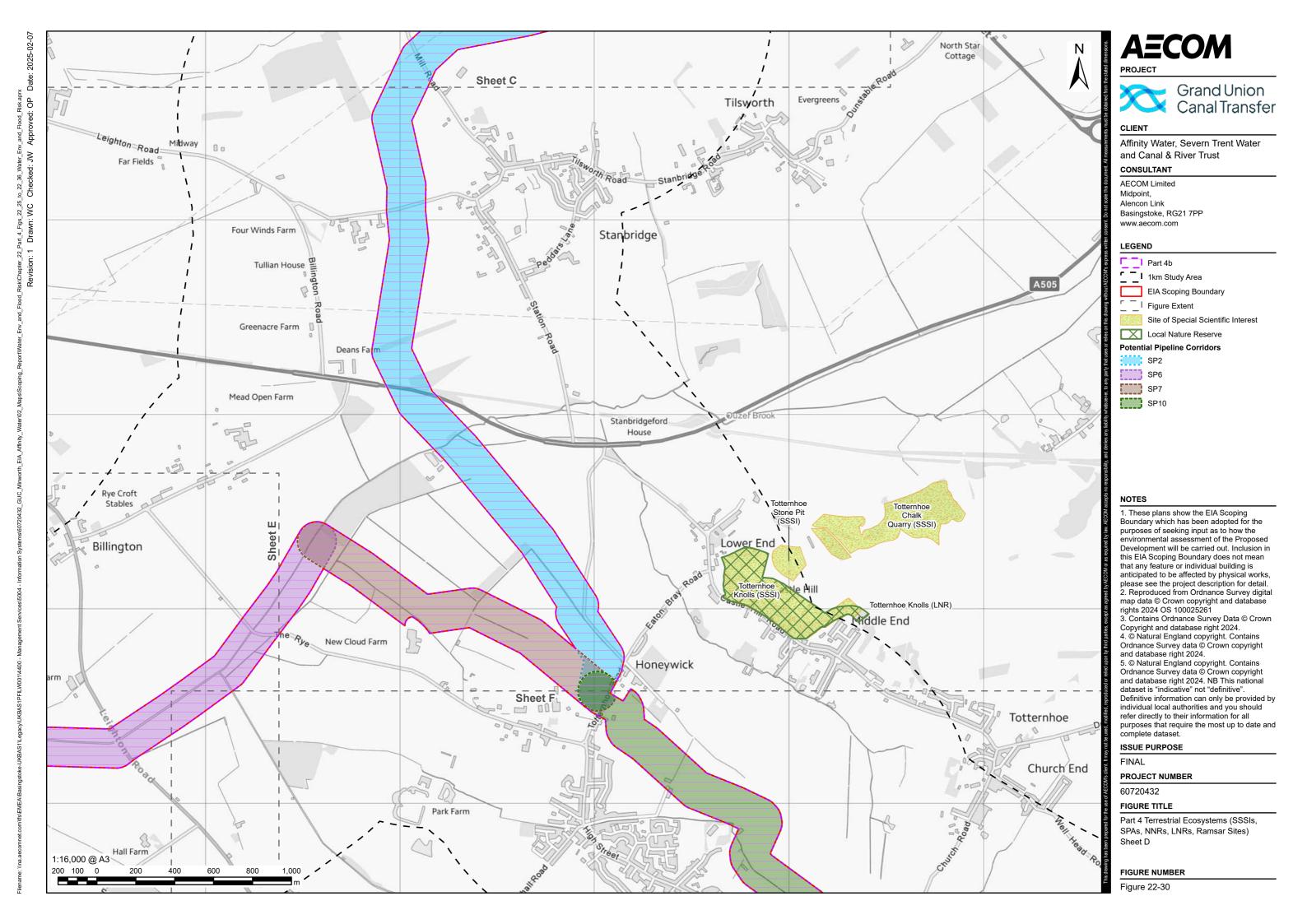


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Figure 22-30: Part 4 Surface Water Study Area Terrestrial Ecosystems (SSSIs, SPAs, NNRs, LNRs, Ramsar Sites)



igure 22-30

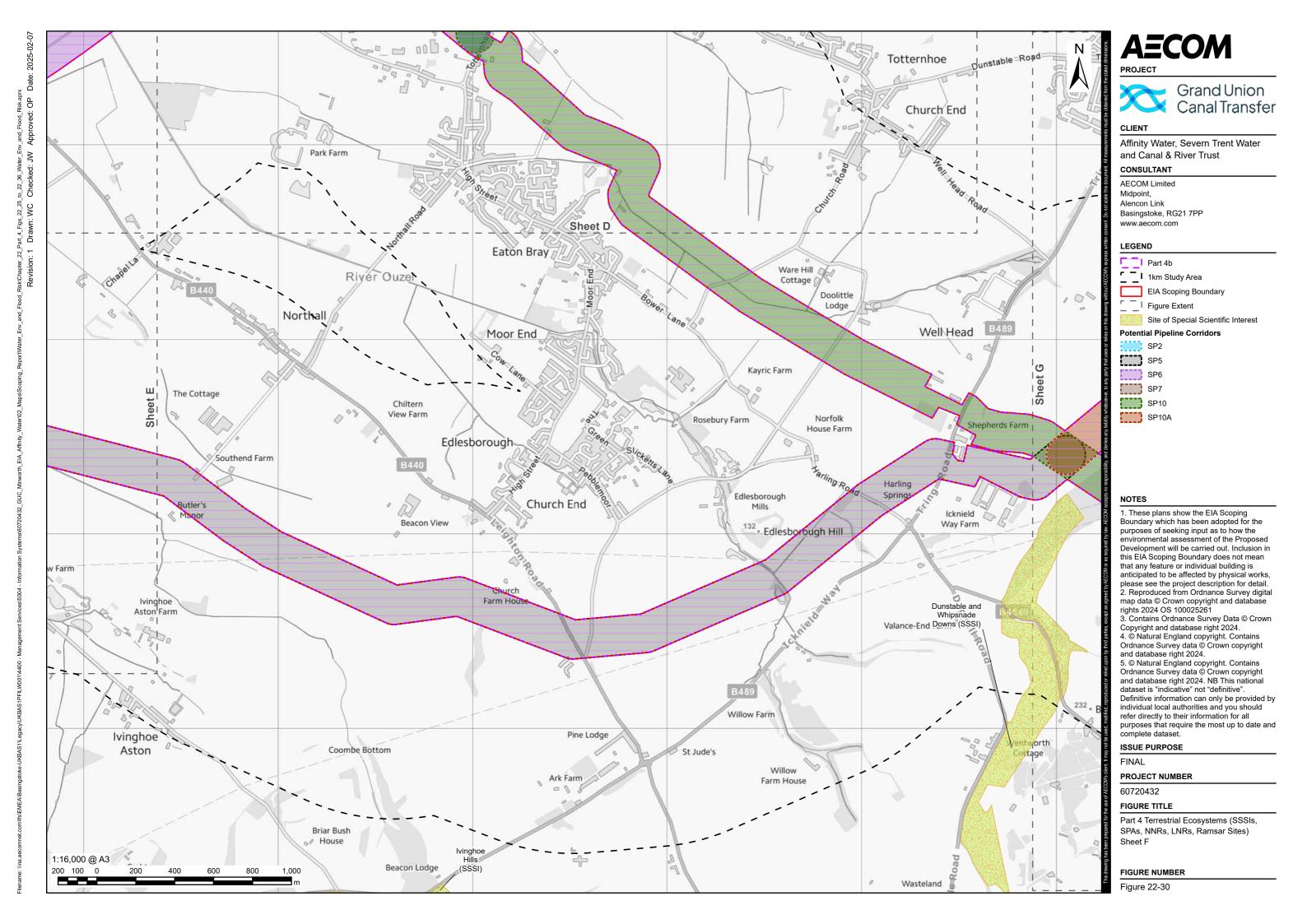




Figure 22-31: Part 4 BGS Aquifer Classification Bedrock, Groundwater Abstractions and Discharge Permits

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_ I 1km Study Area

EIA Scoping Boundary

Potential Pipeline Corridors

BGS Aquifer Classification - Bedrock

Principal

Unproductive

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Part 4 BGS Aquifer Classification Bedrock, Groundwater Abstractions and Discharge Permits

FIGURE NUMBER

Figure 22-31

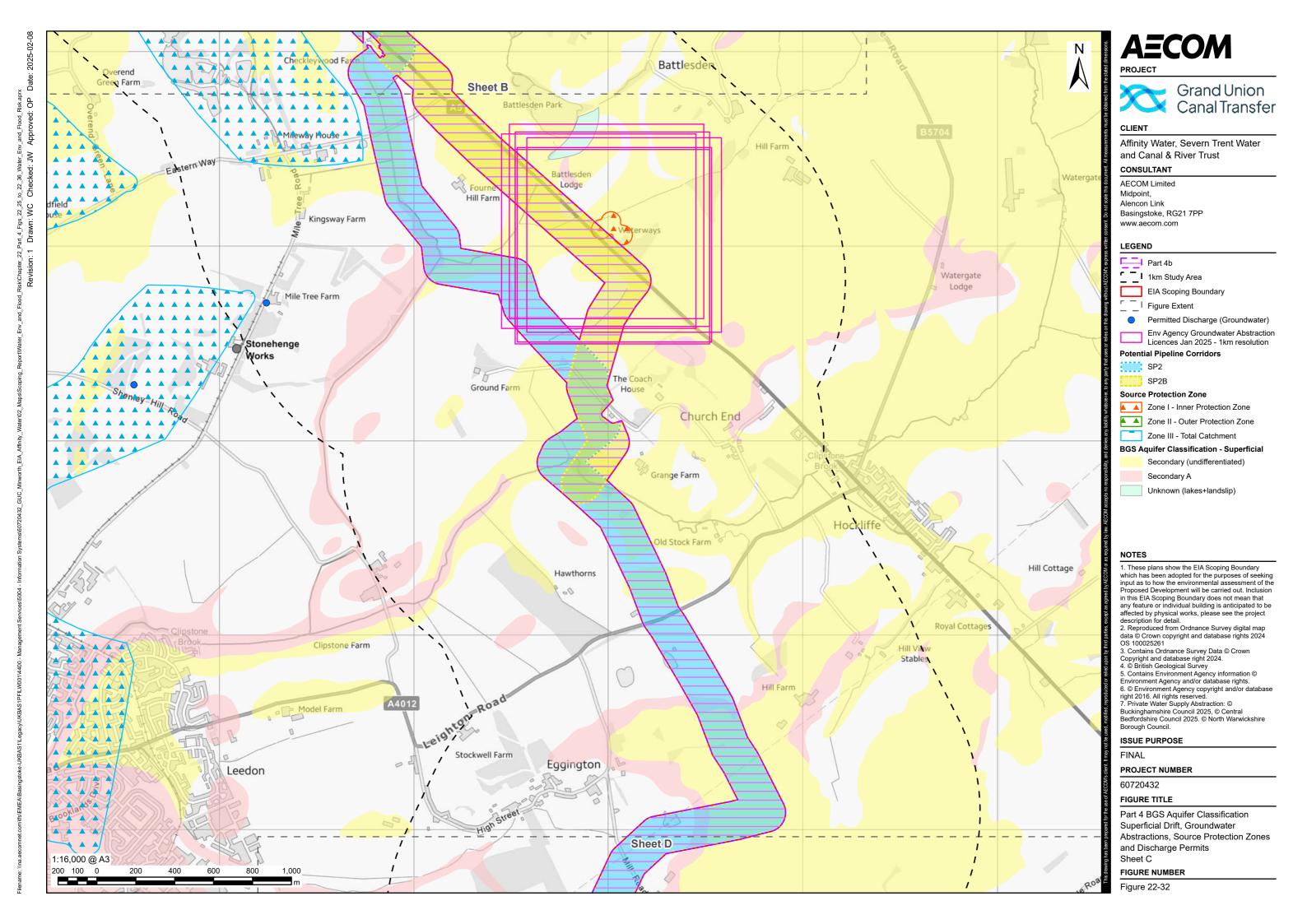
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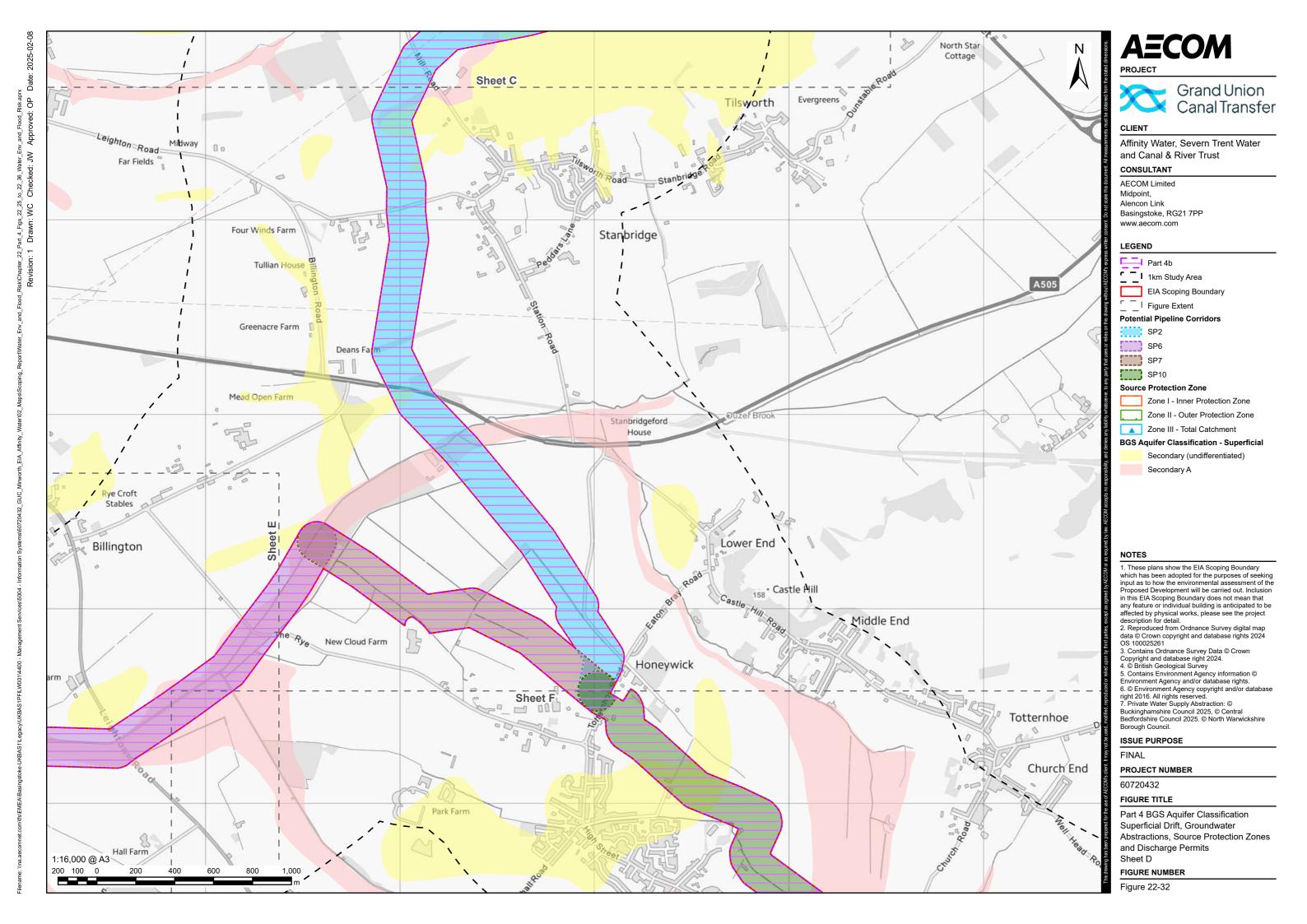


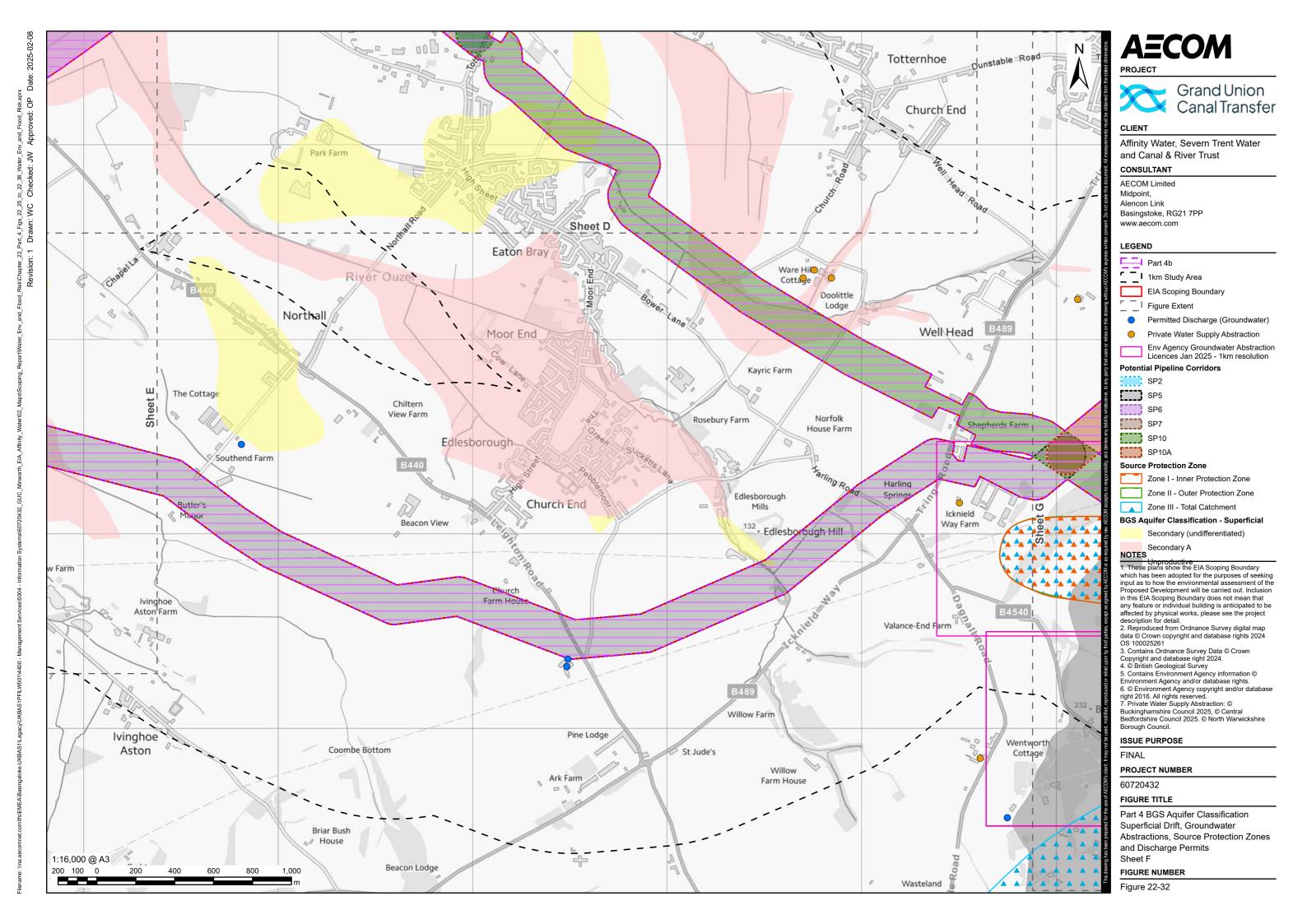
Figure 22-32: Part 4 BGS Aquifer Classification Superficial Drift, Groundwater Abstractions, Source Protection Zones and Discharge Permits

Figure 22-3

which has been adopted for the purposes of seeking input as to how the environmental assessment of the Proposed Development will be carried out. Inclusion in this EIA Scoping Boundary does not mean that







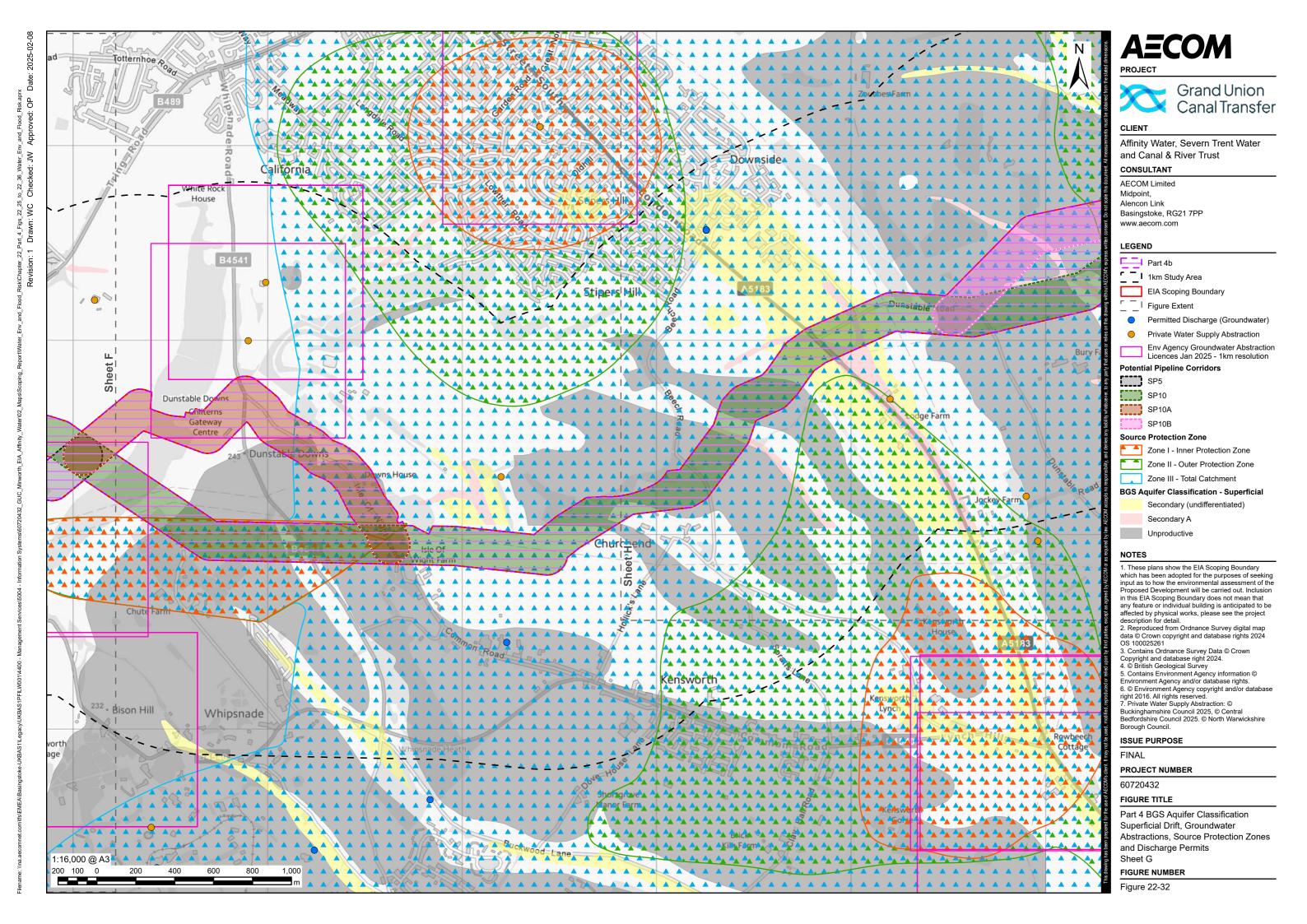
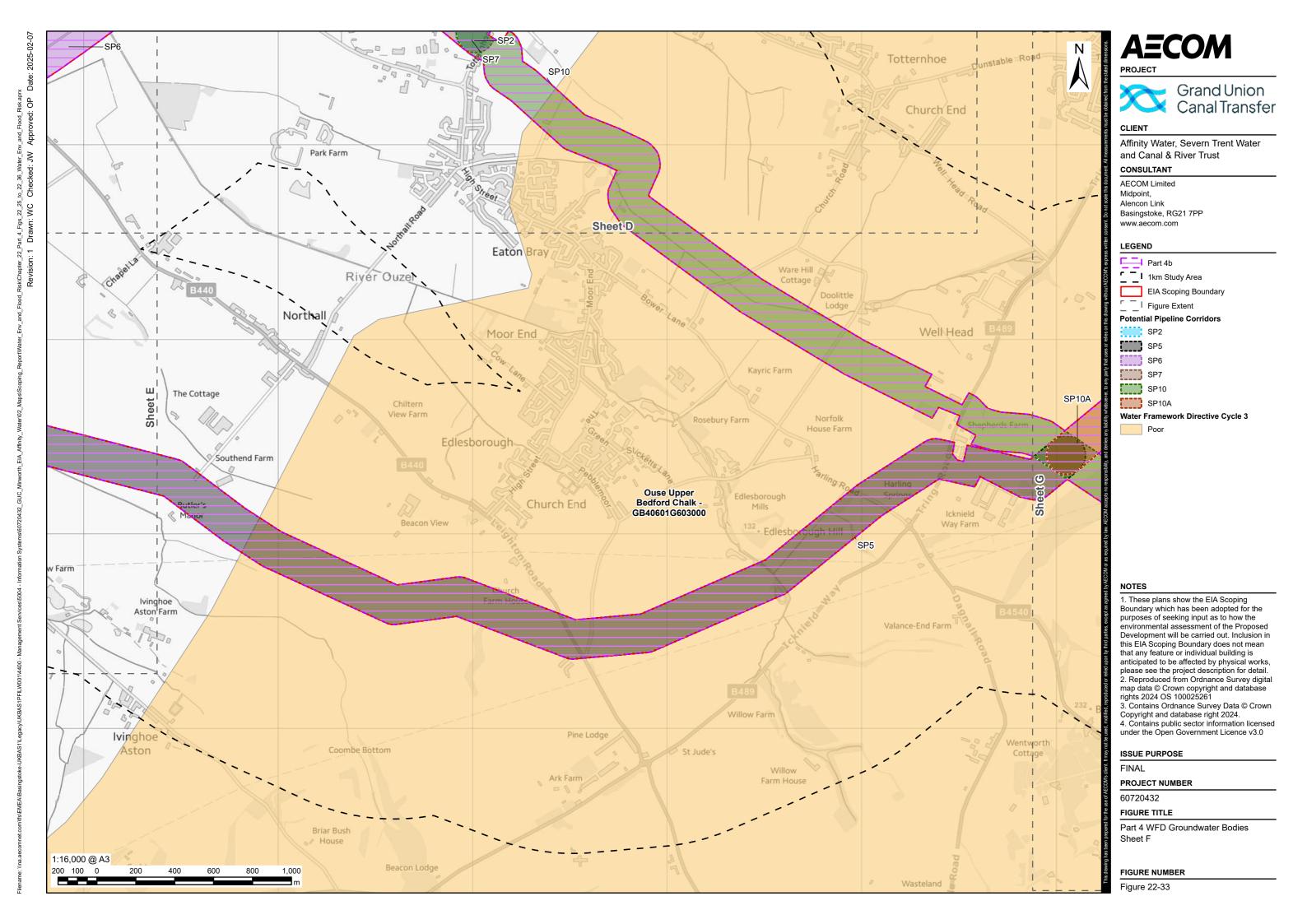




Figure 22-33: Part 4 WFD Groundwater Bodies

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Figure 22-33



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Part 4b

1 1km Study Area

_ | Figure Extent

Potential Pipeline Corridors

SP10

SP10B SP10C

Water Framework Directive Cycle 3

Poor

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 Boundary which has been adopted for the purposes of seeking input as to how the environmental assessment of the Proposed Development will be carried out. Inclusion in this EIA Scoping Boundary does not mean that any feature or individual building is anticipated to be affected by physical works, please see the project description for detail.

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FIGURE TITLE

Part 4 WFD Groundwater Bodies

FIGURE NUMBER

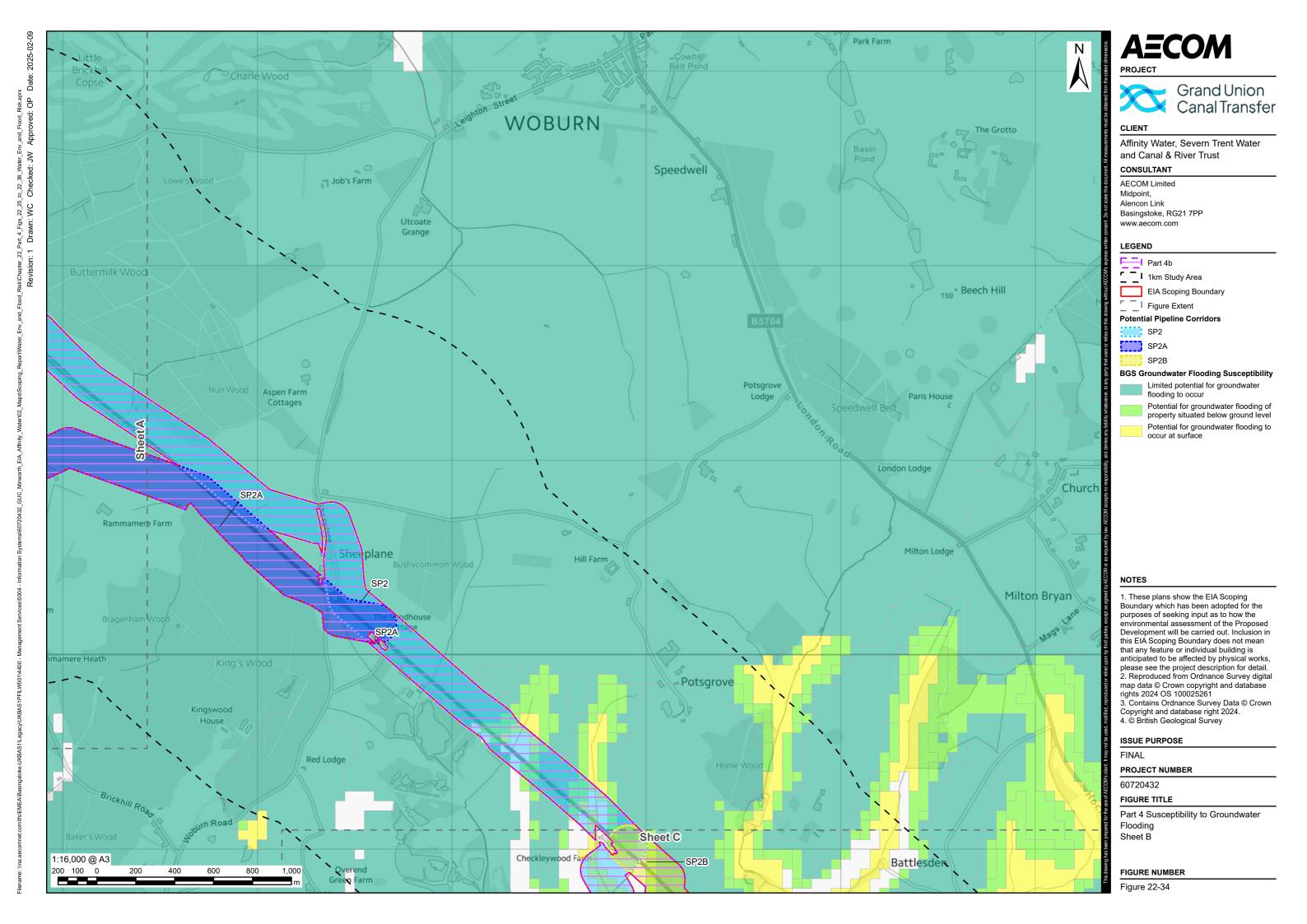


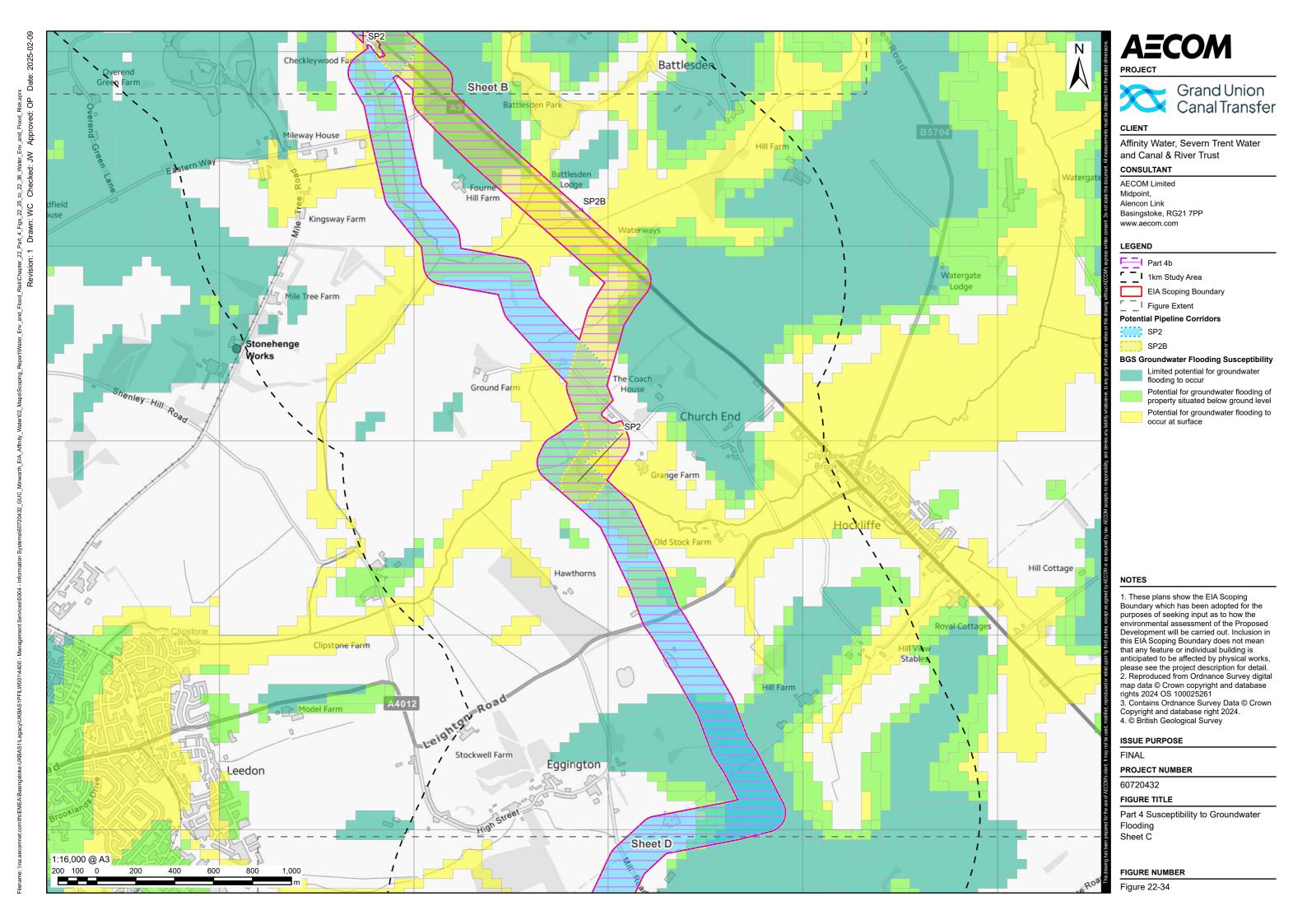
Figure 22-34: Part 4 Susceptibility to Groundwater Flooding

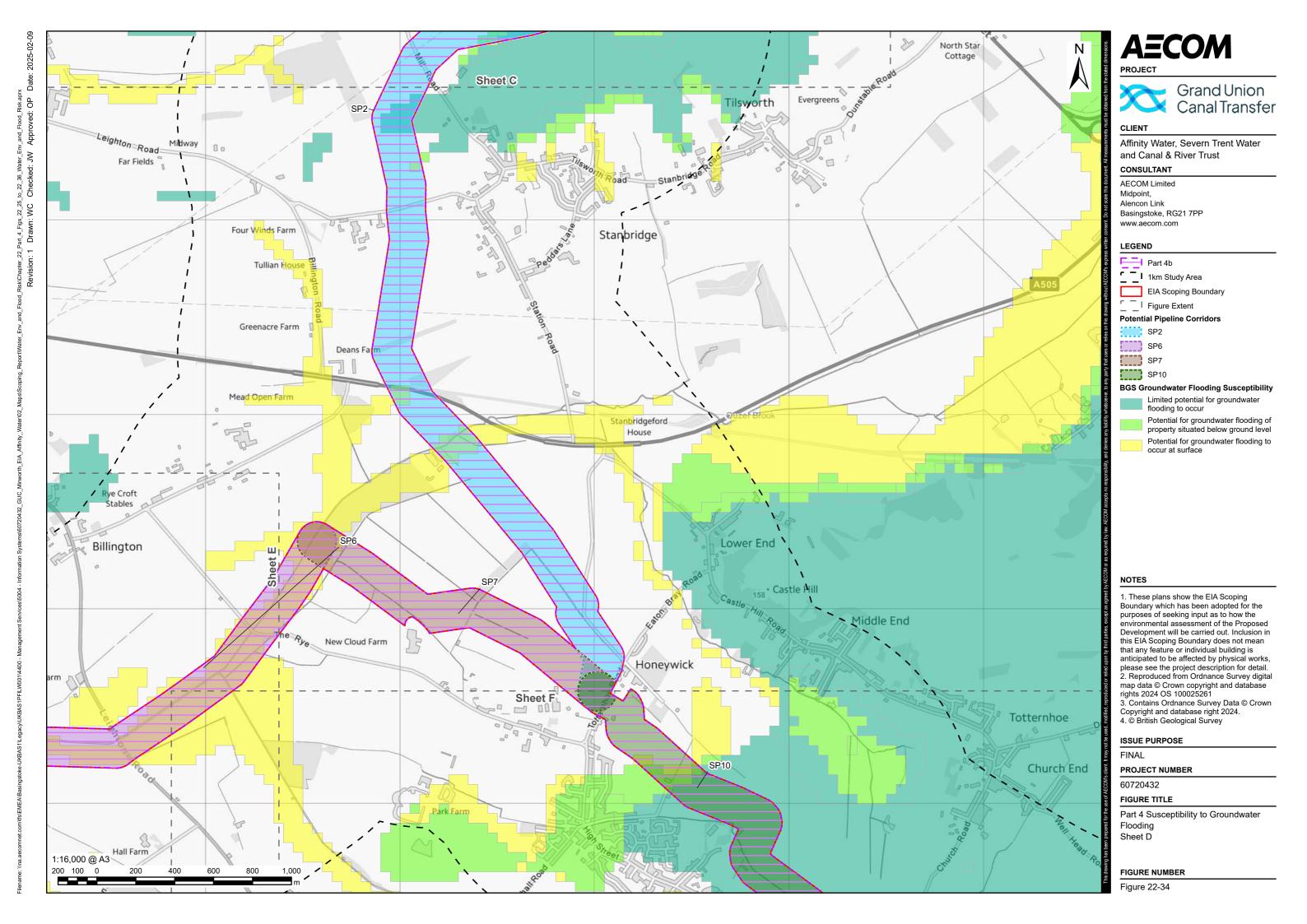
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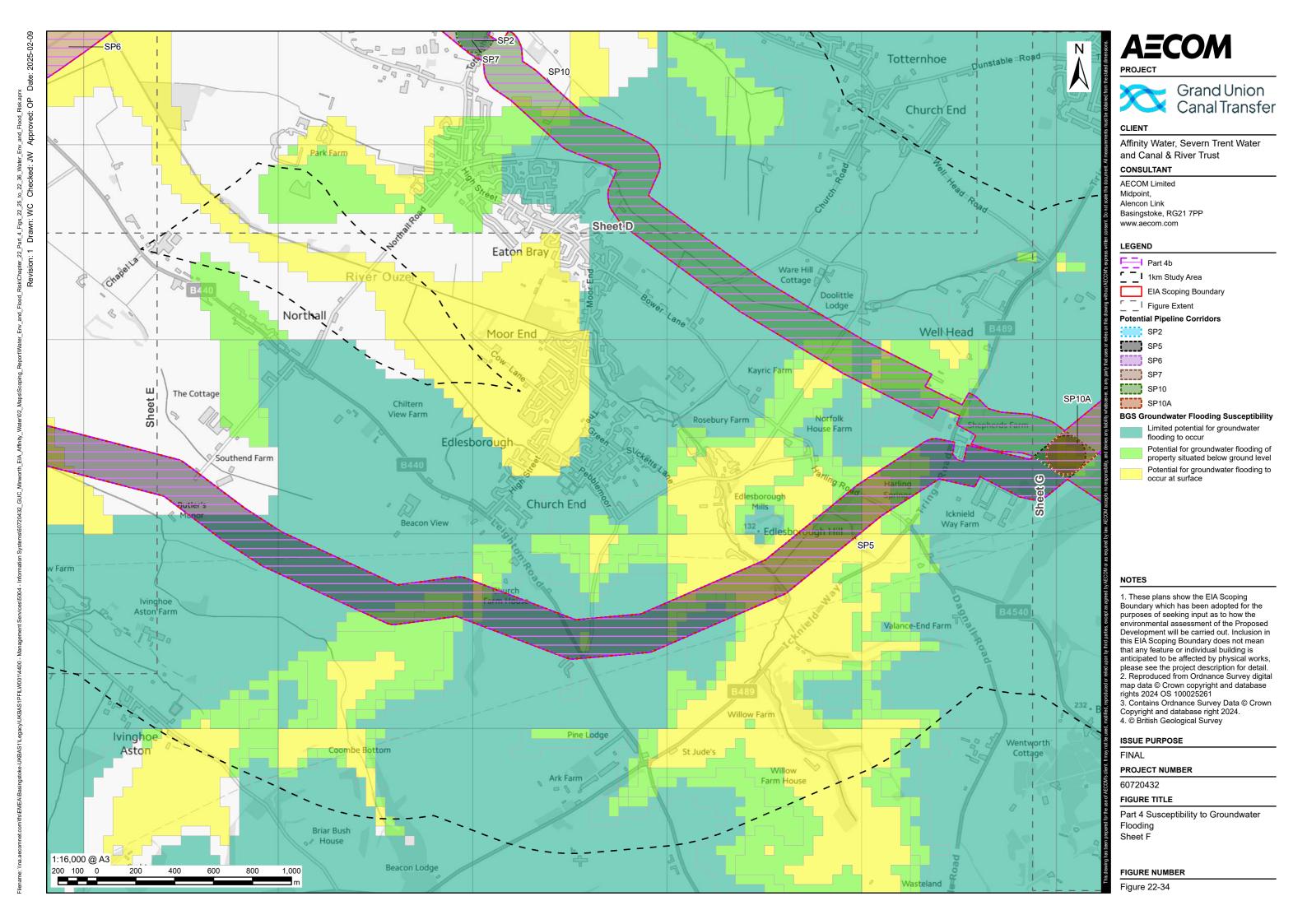
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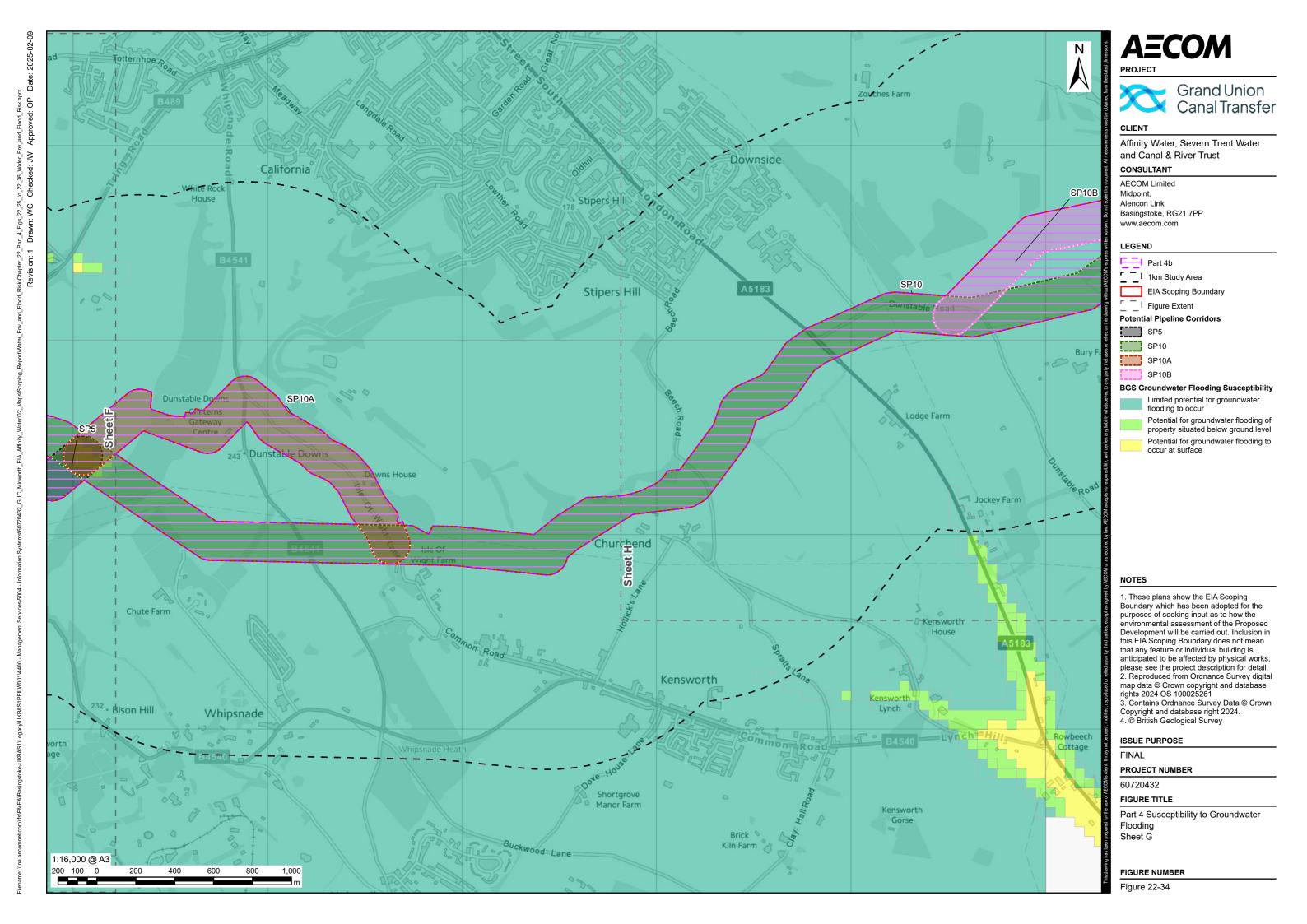
Figure 22-34











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Limited potential for groundwater

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Part 4 Susceptibility to Groundwater



Figure 22-35: Part 4 Susceptibility to Groundwater Flooding



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Figure 22-35

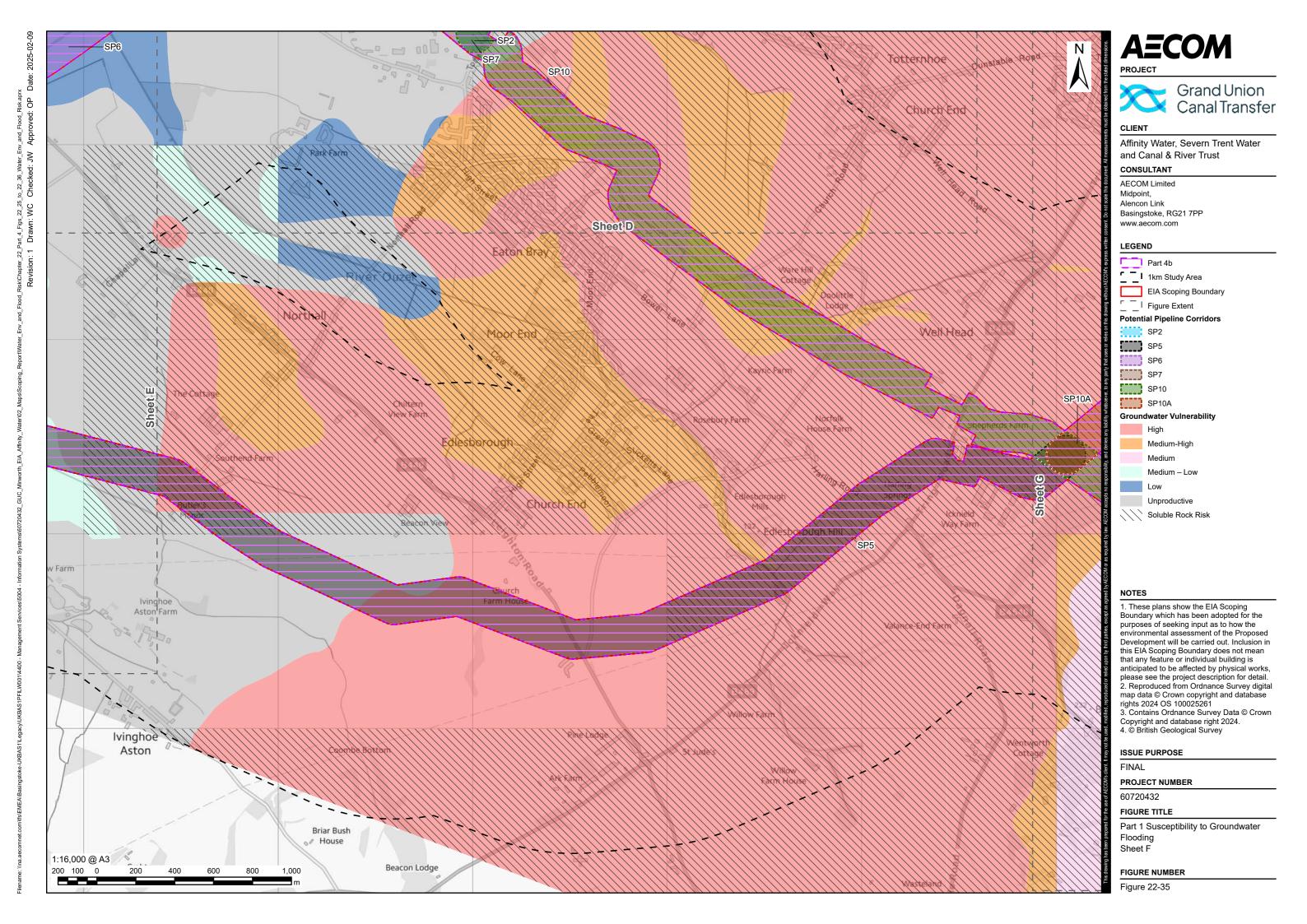


Figure 22-35