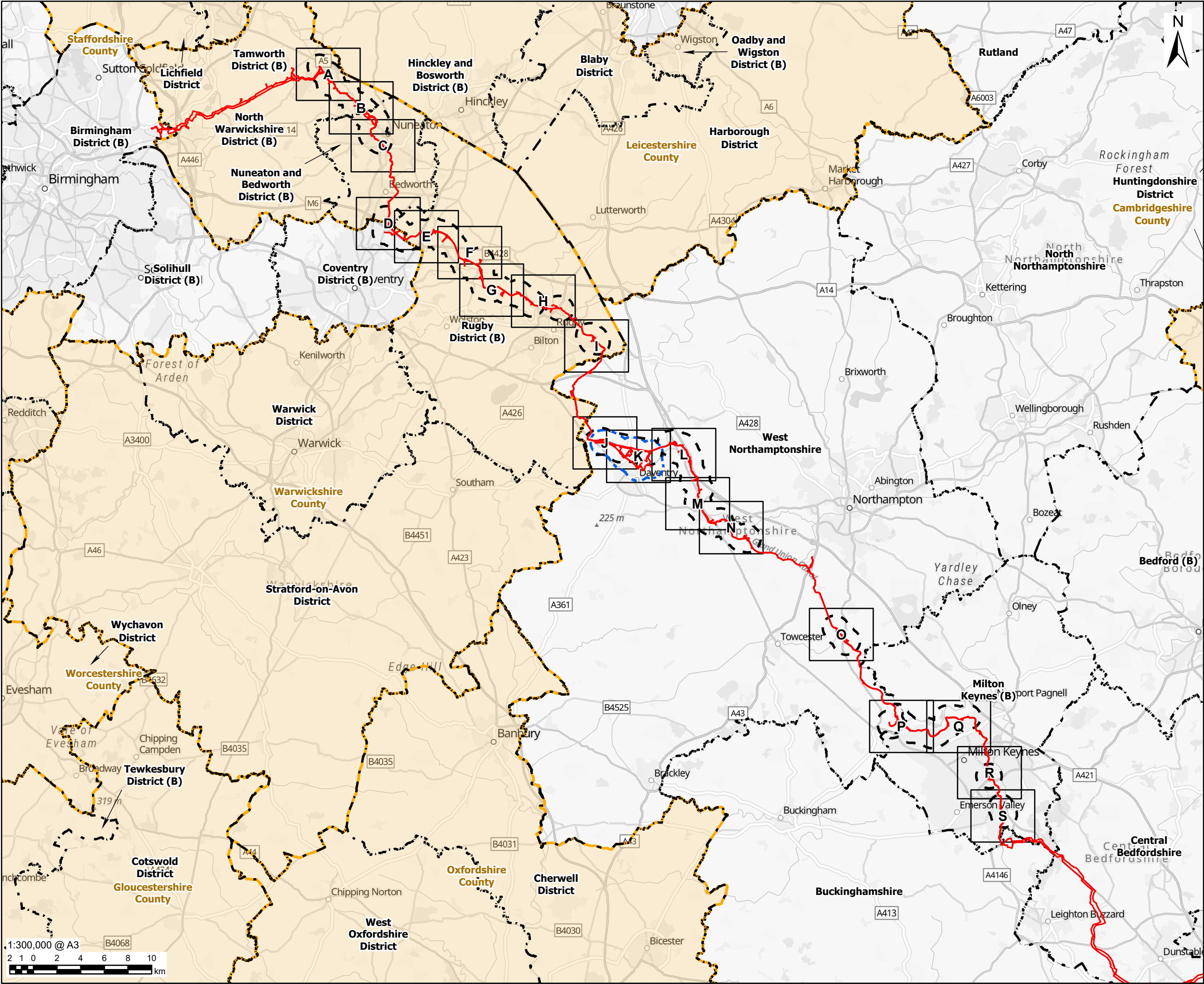




**Figure 22-P2&3-7: Parts 2 & 3 Groundwater
Vulnerability Risk Mapping**



AECOM

PROJECT

Grand Union Canal Transfer

CLIENT

Affinity Water, Severn Trent Water and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

LEGEND

- Part 2 - 1km Study Area
- Part 3 - 1km Study Area
- Preliminary Order Limits
- District Boundary
- County Boundary
- Sheet Extent

NOTES

- Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.
- Esri UK, Esri, TomTom, Garmin, FAO, METI/NASA, USGS.
- Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE

FINAL

PROJECT NUMBER

60720432

FIGURE TITLE

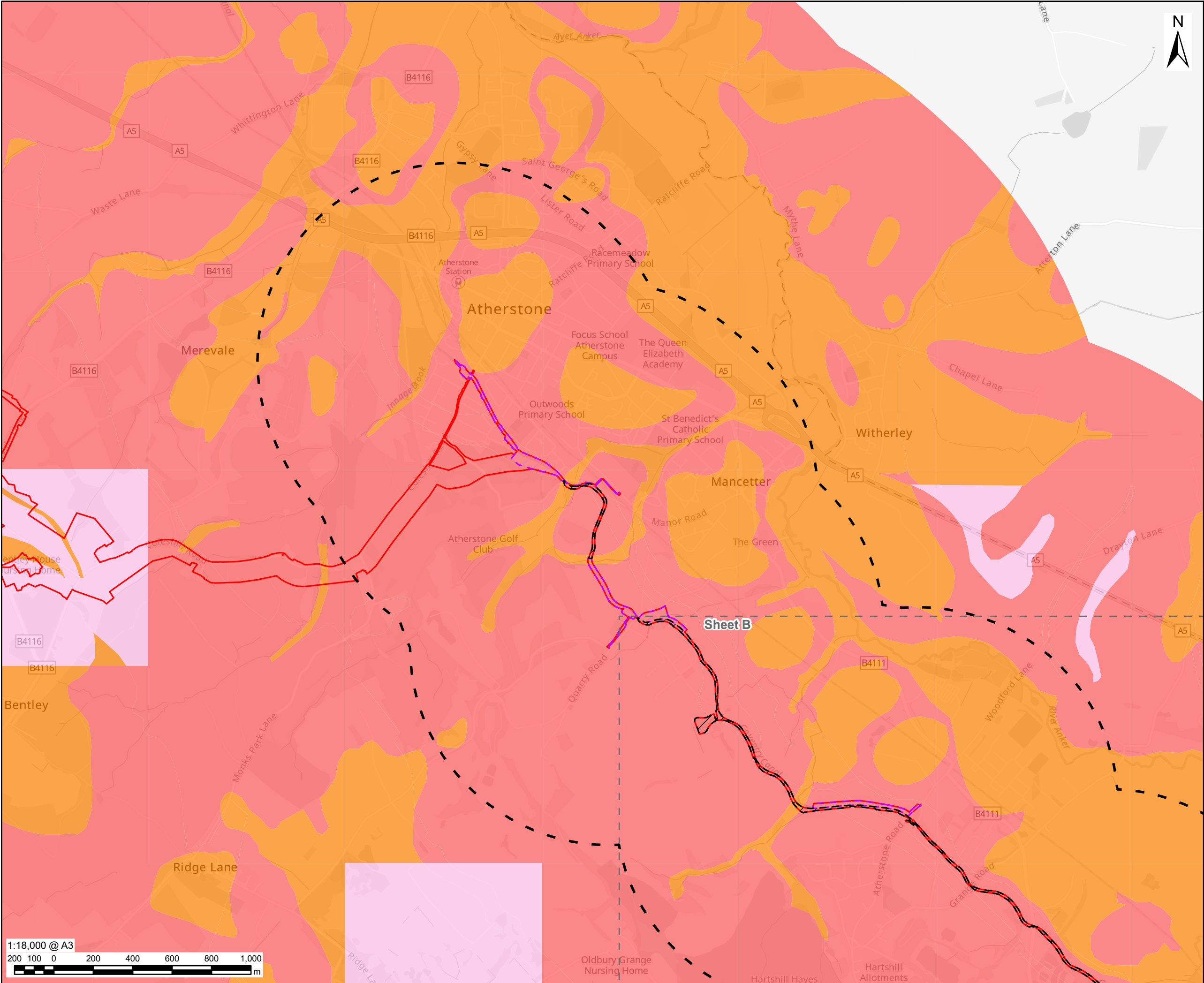
Parts 2 & 3 Groundwater Vulnerability Risk Mapping Overview

FIGURE NUMBER

Figure 22-P2&3-7

Filename: C:\Users\Dimin\OneDrive\Documents\Affinity Water EIA Project\02_Maps\PEI_Report\Chapter_22_Water_Env_and_Flood_Risk\Chapter_22_Part_2_3_Figs_22_4_to_7_Water_Env_and_Flood_Risk.aprx

Revision: 0 Drawn: DD Checked: JW Approved: LL Date: 2025-11-17



This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.

PROJECT

Grand Union
Canal Transfer

CLIENT

Affinity Water, Severn Trent Water
and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

LEGEND

Part 2 - Indicative Work Area

Part 2 - Indicative Non-Work Area

Part 2 - 1km Study Area

Preliminary Order Limits

Sheet Extent

Groundwater Vulnerability

High

Medium-High

Medium

- NOTES
1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.

2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS.

3. © British Geological Survey.

4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.
- ISSUE PURPOSE

FINAL

PROJECT NUMBER

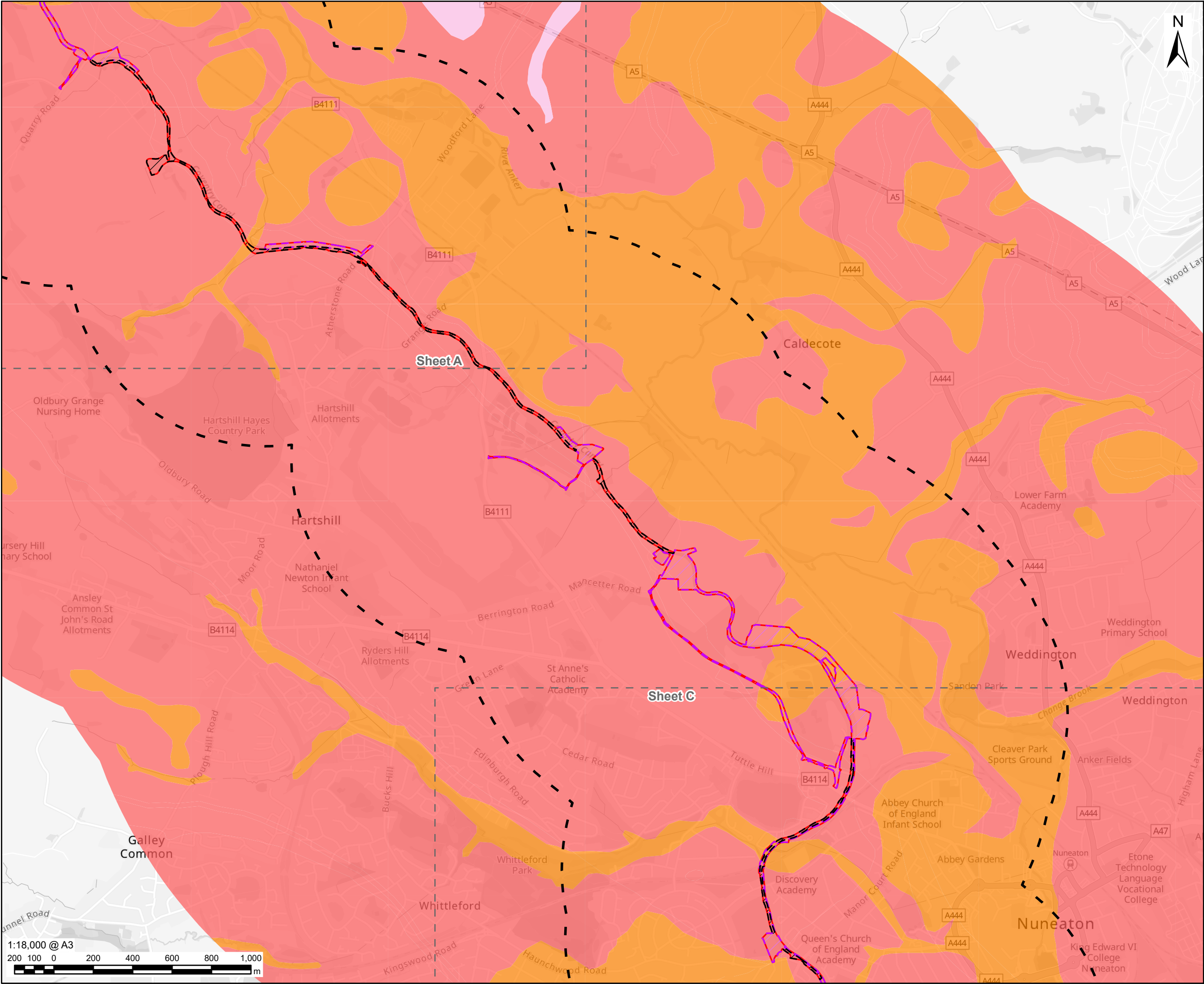
60720432

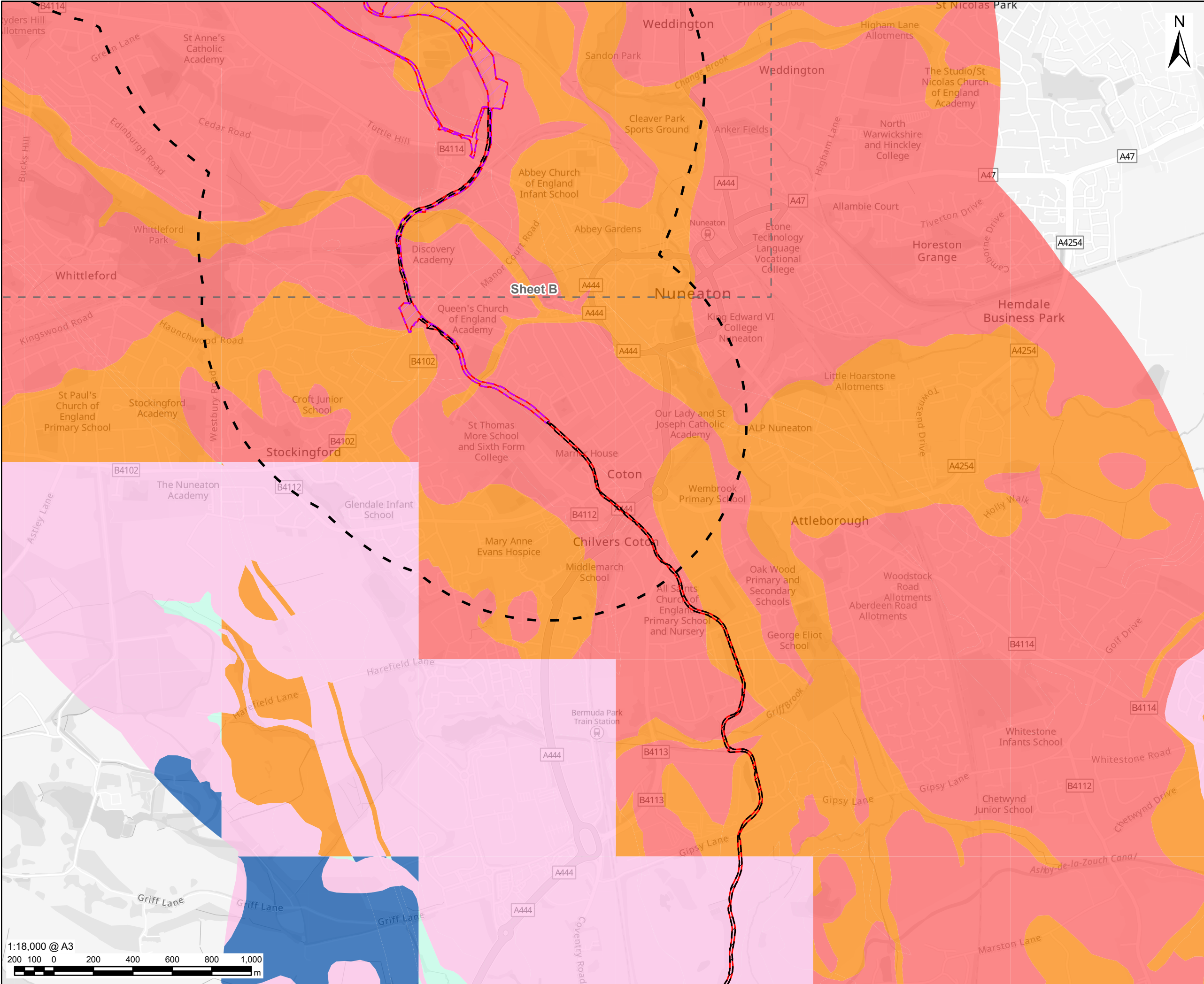
FIGURE TITLE

Parts 2 & 3 Groundwater Vulnerability
Risk Mapping
Sheet A

FIGURE NUMBER

Figure 22-P2&3-7





AECOM

PROJECT

 Grand Union Canal Transfer

CLIENT

Affinity Water, Severn Trent Water and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

LEGEND

 Part 2 - Indicative Work Area

 Part 2 - Indicative Non-Work Area

 Part 2 - 1km Study Area

 Preliminary Order Limits

 Sheet Extent

Groundwater Vulnerability

 High

 Medium-High

 Medium

 Medium – Low

 Low

NOTES

1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.

2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS.

3. © British Geological Survey.

4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE

FINAL

PROJECT NUMBER

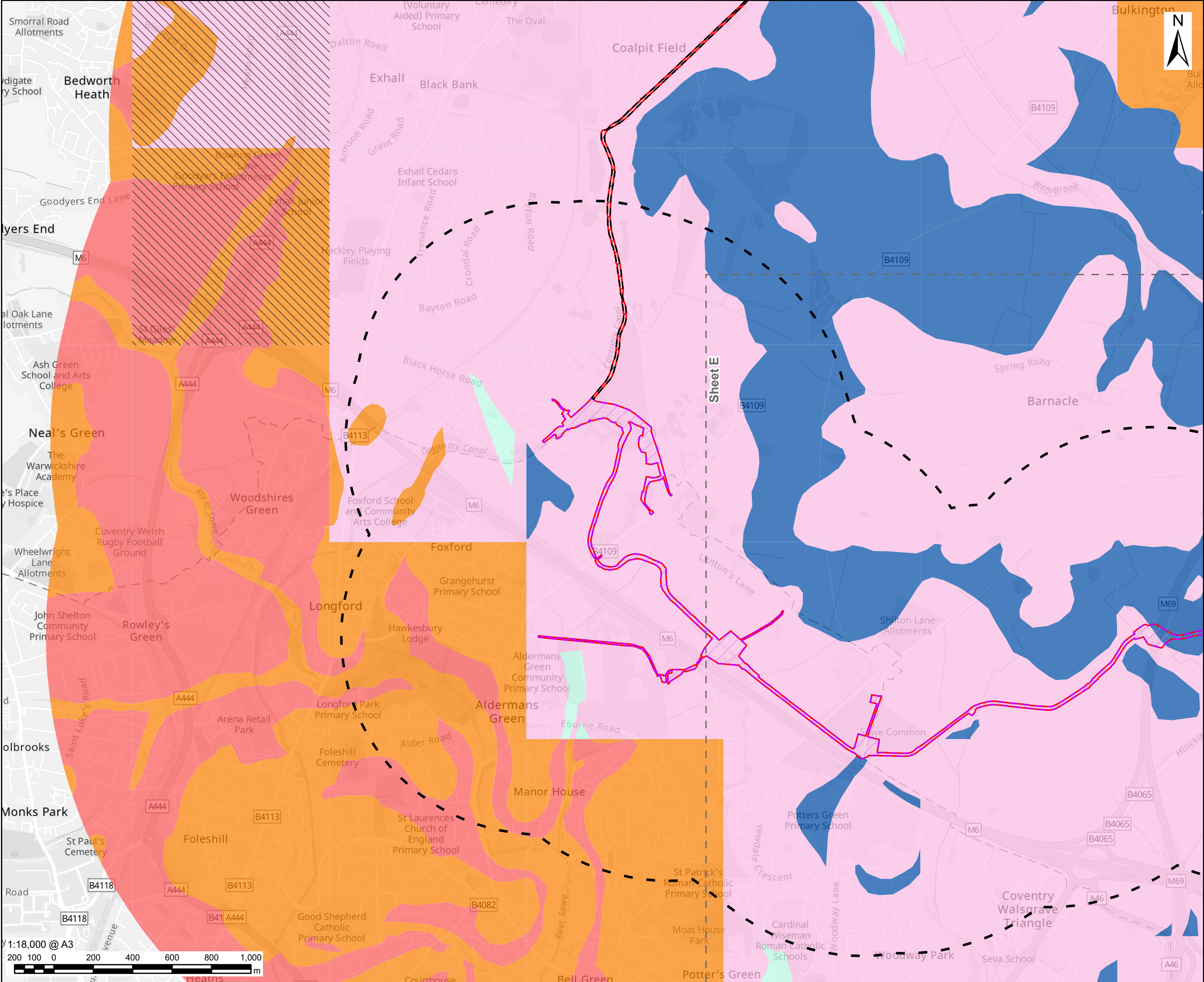
60720432

FIGURE TITLE

Parts 2 & 3 Groundwater Vulnerability Risk Mapping Sheet C

FIGURE NUMBER

Figure 22-P2&3-7



This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.

PROJECT

Grand Union Canal Transfer

CLIENT

Affinity Water, Severn Trent Water and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

LEGEND

Part 2 - Indicative Work Area

Part 2 - Indicative Non-Work Area

Part 2 - 1km Study Area

Preliminary Order Limits

Sheet Extent

Soluble Rock Risk

Groundwater Vulnerability

High

Medium-High

Medium

Medium – Low

Low

NOTES

1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.

2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS.

3. © British Geological Survey.

4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE

FINAL

PROJECT NUMBER

60720432

FIGURE TITLE

Parts 2 & 3 Groundwater Vulnerability Risk Mapping Sheet D

FIGURE NUMBER

Figure 22-P2&3-7



CLIENT

Affinity Water, Severn Trent Water
and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

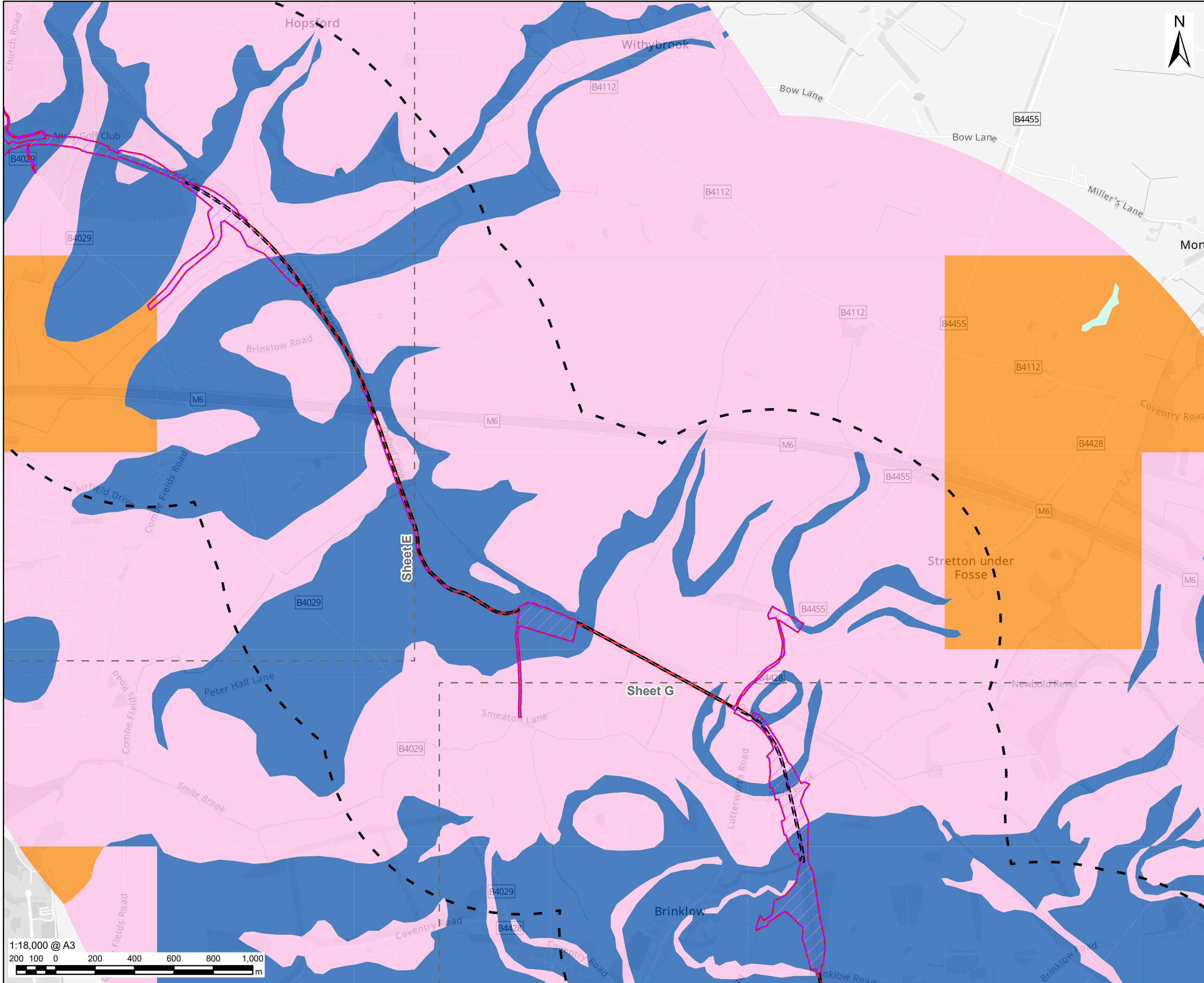
NOTES

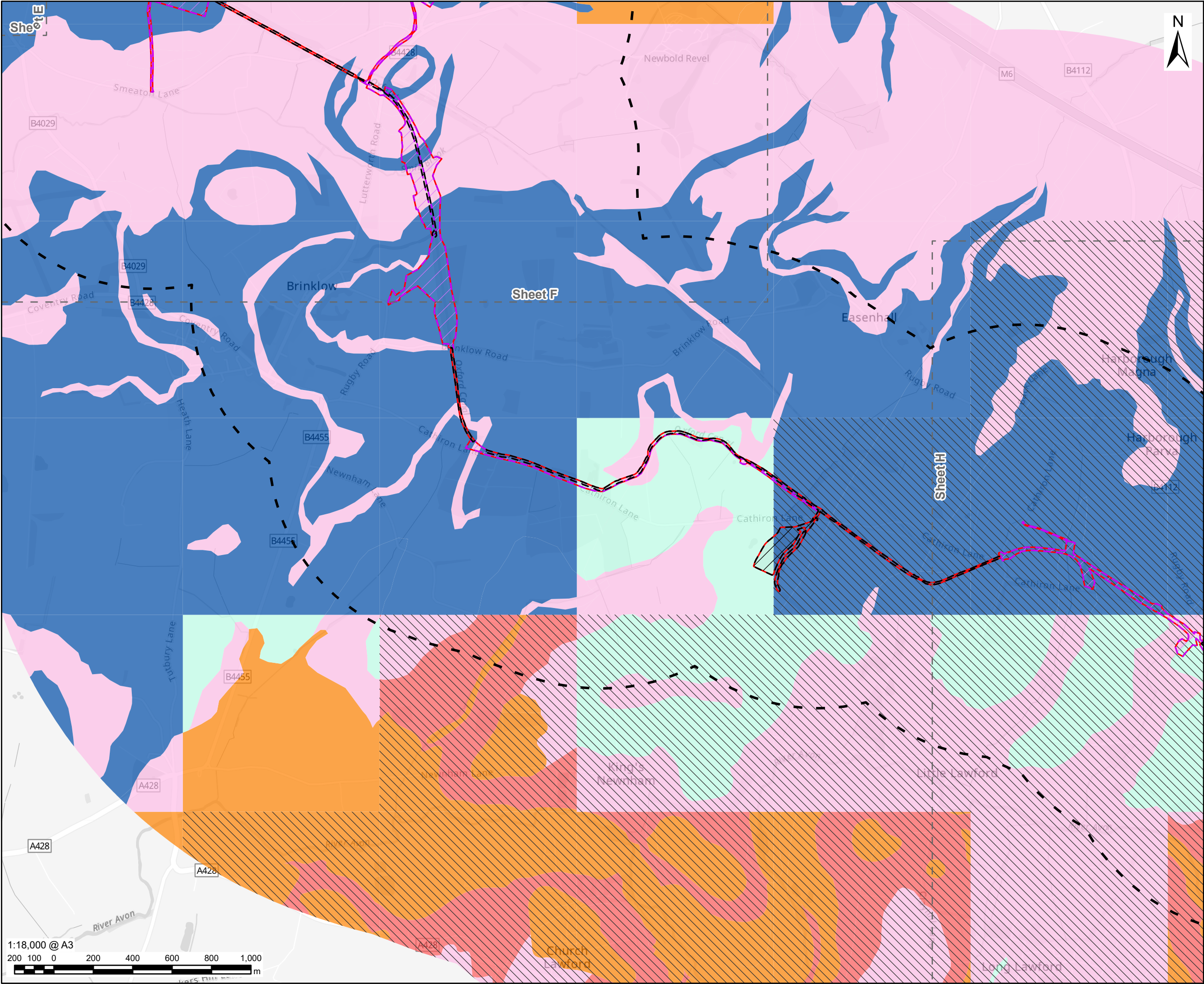
1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.
2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS.
3. © British Geological Survey.
4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE
FINAL
PROJECT NUMBER
60720432
FIGURE TITLE
Parts 2 & 3 Groundwater Vulnerability Risk Mapping Sheet E
FIGURE NUMBER
Figure 22-P2&3-7

Filename: C:\Users\Dimin\OneDrive\AECOM\Affinity Water EIA Project\02_Maps\PEI_Report\Chapter_22_Water_Env_and_Flood_Risk\Chapter_22_Part_2_3_Figs_22_4_to_7_Water_Env_and_Flood_Risk.aprx

Revision: 0 Drawn: DD Checked: JW Approved: LL Date: 2025-11-17





This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.

AECOM

PROJECT

Grand Union Canal Transfer

CLIENT

Affinity Water, Severn Trent Water and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

LEGEND

- Part 2 - Indicative Work Area
- Part 2 - Indicative Non-Work Area
- Part 2 - 1km Study Area
- Preliminary Order Limits
- Sheet Extent
- Soluble Rock Risk

Groundwater Vulnerability

- High
- Medium-High
- Medium
- Medium – Low
- Low

NOTES

1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.
2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS.
3. © British Geological Survey.
4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE

FINAL

PROJECT NUMBER

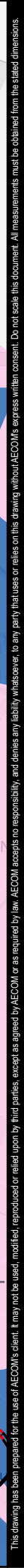
60720432

FIGURE TITLE

Parts 2 & 3 Groundwater Vulnerability Risk Mapping
Sheet G

FIGURE NUMBER

Figure 22-P2&3-7



AECOM

PROJECT

 Grand Union
Canal Transfer

CLIENT

Affinity Water, Severn Trent Water
and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

LEGEND

-  Part 2 - Indicative Work Area
-  Part 2 - Indicative Non-Work Area
-  Part 2 - 1km Study Area
-  Preliminary Order Limits
-  Sheet Extent
-  Soluble Rock Risk

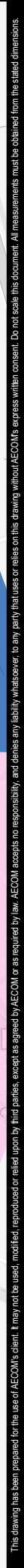
Groundwater Vulnerability

-  High
-  Medium-High
-  Medium
-  Medium - Low
-  Low

NOTES

1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.
2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS.
3. © British Geological Survey.
4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE
FINAL
PROJECT NUMBER
60720432
FIGURE TITLE
Parts 2 & 3 Groundwater Vulnerability Risk Mapping Sheet H
FIGURE NUMBER
Figure 22-P2&3-7



CLIENT

Affinity Water, Severn Trent Water
and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

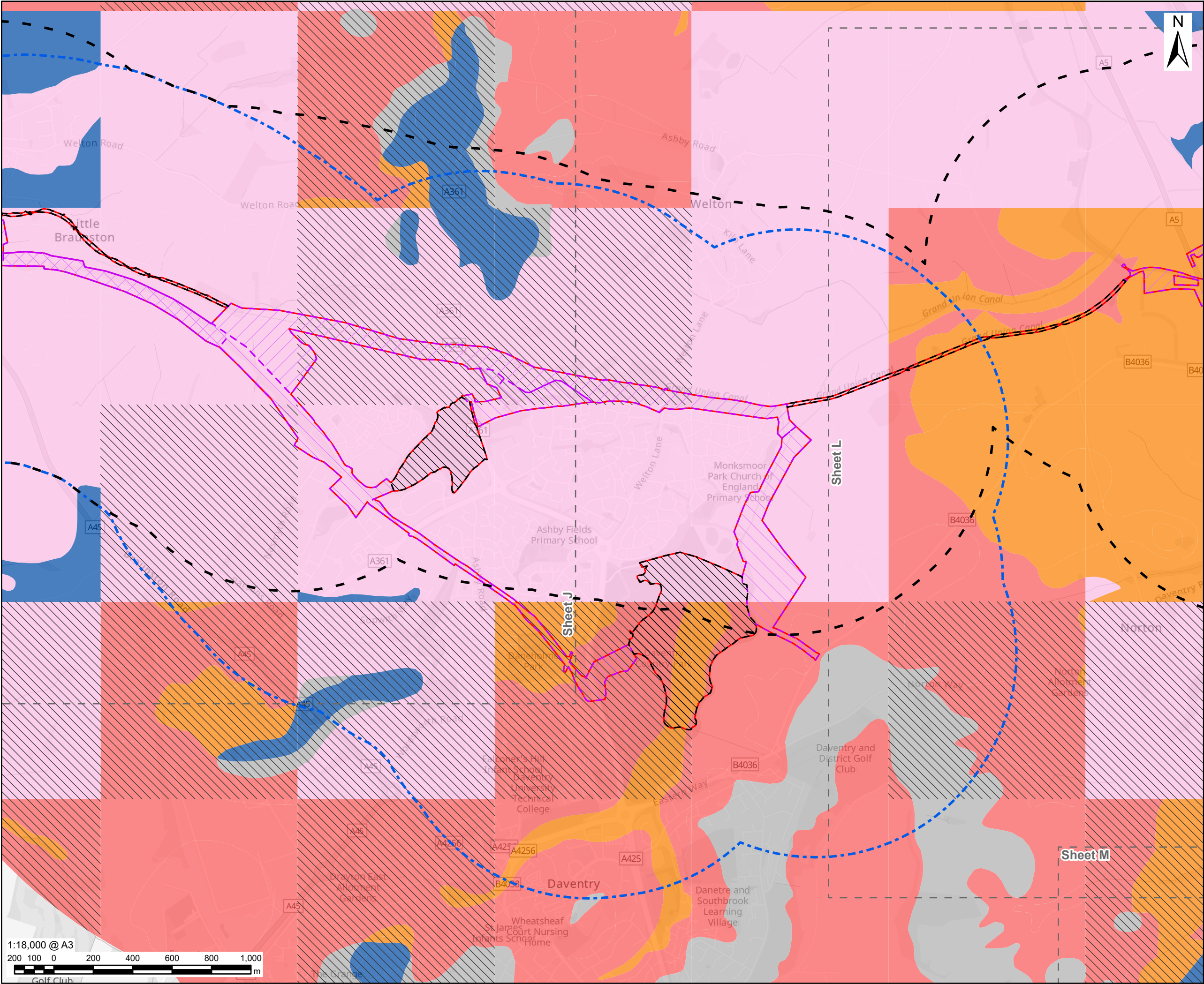
NOTES

1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.
2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS.
3. © British Geological Survey.
4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE
FINAL
PROJECT NUMBER
60720432
FIGURE TITLE
Parts 2 & 3 Groundwater Vulnerability Risk Mapping Sheet I
FIGURE NUMBER
Figure 22-P2&3-7



Figure 22-P2&3-7



This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.

PROJECT

Grand Union Canal Transfer

CLIENT

Affinity Water, Severn Trent Water and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

LEGEND

Part 2 - Indicative Work Area

Part 3 - Indicative Work Area

Part 2 - Indicative Non-Work Area

Part 3 - Indicative Non-Work Area

Part 2 - 1km Study Area

Part 3 - 1km Study Area

Preliminary Order Limits

Sheet Extent

Soluble Rock Risk

Groundwater Vulnerability

High

Medium-High

Medium

Low

Unproductive

NOTES

1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.

2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS.

3. © British Geological Survey.

4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE

FINAL

PROJECT NUMBER

60720432

FIGURE TITLE

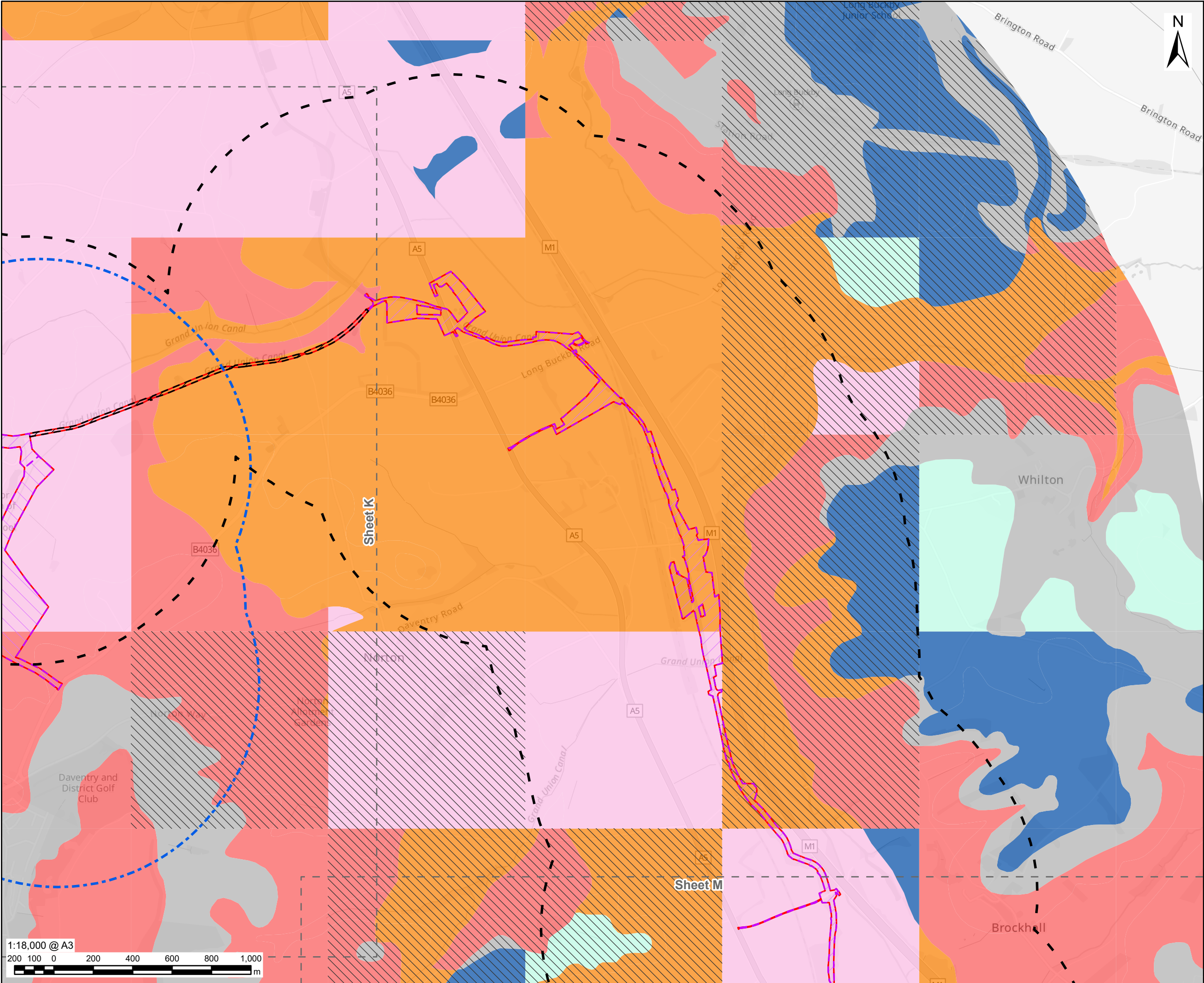
Parts 2 & 3 Groundwater Vulnerability Risk Mapping Sheet K

FIGURE NUMBER

Figure 22-P2&3-7

Filename: C:\Users\Dimin\OneDrive\AECOM\Affinity Water EIA Project\02_Maps\PEI_Report\Chapter_22_Water_Env_and_Flood_Risk\Chapter_22_Part_2_3_Figs_22_4_to_7_Water_Env_and_Flood_Risk.aprx

Revision: 0 Drawn: DD Checked: JW Approved: LL Date: 2025-11-17



PROJECT

Grand Union Canal Transfer

CLIENT

Affinity Water, Severn Trent Water and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

LEGEND

- Part 2 - Indicative Work Area
- Part 3 - Indicative Work Area
- Part 2 - Indicative Non-Work Area
- Part 2 - 1km Study Area
- Part 3 - 1km Study Area
- Preliminary Order Limits
- Sheet Extent
- Soluble Rock Risk

Groundwater Vulnerability

- High
- Medium-High
- Medium
- Medium – Low
- Low
- Unproductive

NOTES

1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.
2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS.
3. © British Geological Survey.
4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE

FINAL

PROJECT NUMBER

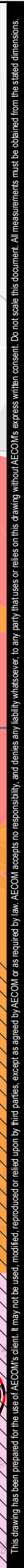
60720432

FIGURE TITLE

Parts 2 & 3 Groundwater Vulnerability Risk Mapping Sheet L

FIGURE NUMBER

Figure 22-P2&3-7



PROJECT



CONSULTANT

LEGEND

- ### Groundwater Vulnerability

- ## NOTES

- ## ISSUE PURPOSE

FINAL

PROJECT NUMBER

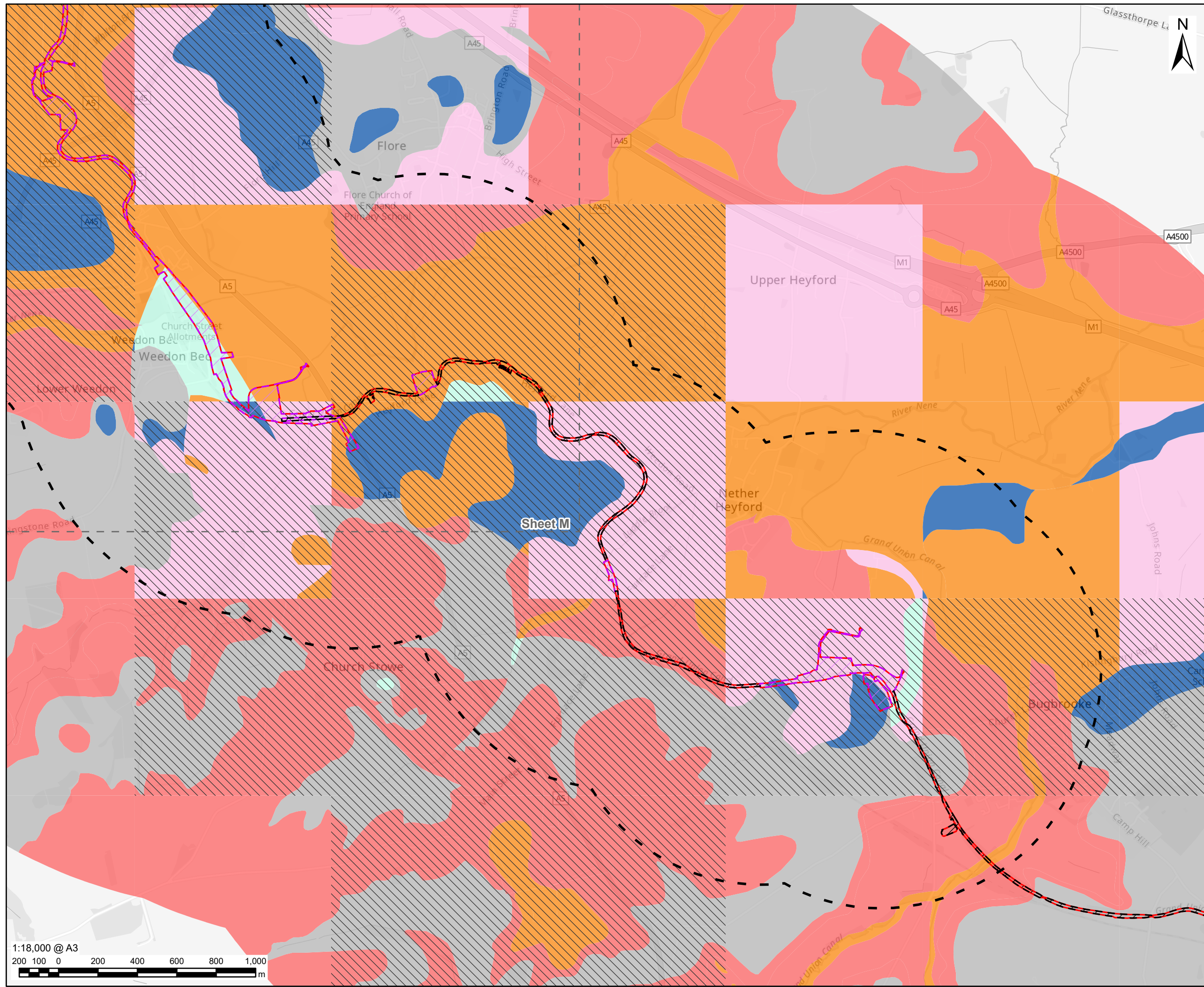
60720432

FIGURE TITLE

Parts 2 & 3 Groundwater Vulnerability
Risk Mapping
Sheet M

FIGURE NUMBER

Figure 22-P2&3-7



This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. All measurements must be obtained from the stated dimensions.

AECOM
PROJECT

 Grand Union
Canal Transfer

CLIENT

Affinity Water, Severn Trent Water
and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

LEGEND

-  Part 2 - Indicative Work Area
-  Part 2 - Indicative Non-Work Area
-  Part 2 - 1km Study Area
-  Preliminary Order Limits
-  Sheet Extent
-  Soluble Rock Risk

Groundwater Vulnerability

-  High
-  Medium-High
-  Medium
-  Medium – Low
-  Low
-  Unproductive

NOTES

1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.
2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS. © British Geological Survey.
4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE
FINAL
PROJECT NUMBER
60720432
FIGURE TITLE
Parts 2 & 3 Groundwater Vulnerability Risk Mapping Sheet N
FIGURE NUMBER
Figure 22-P2&3-7



ISSUE PURPOSE
FINAL
PROJECT NUMBER
60720432
FIGURE TITLE
Parts 2 & 3 Groundwater Vulnerability Risk Mapping Sheet O
FIGURE NUMBER
Figure 22-P2&3-7



AECOM
PROJECT

 Grand Union
Canal Transfer

CLIENT

Affinity Water, Severn Trent Water
and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

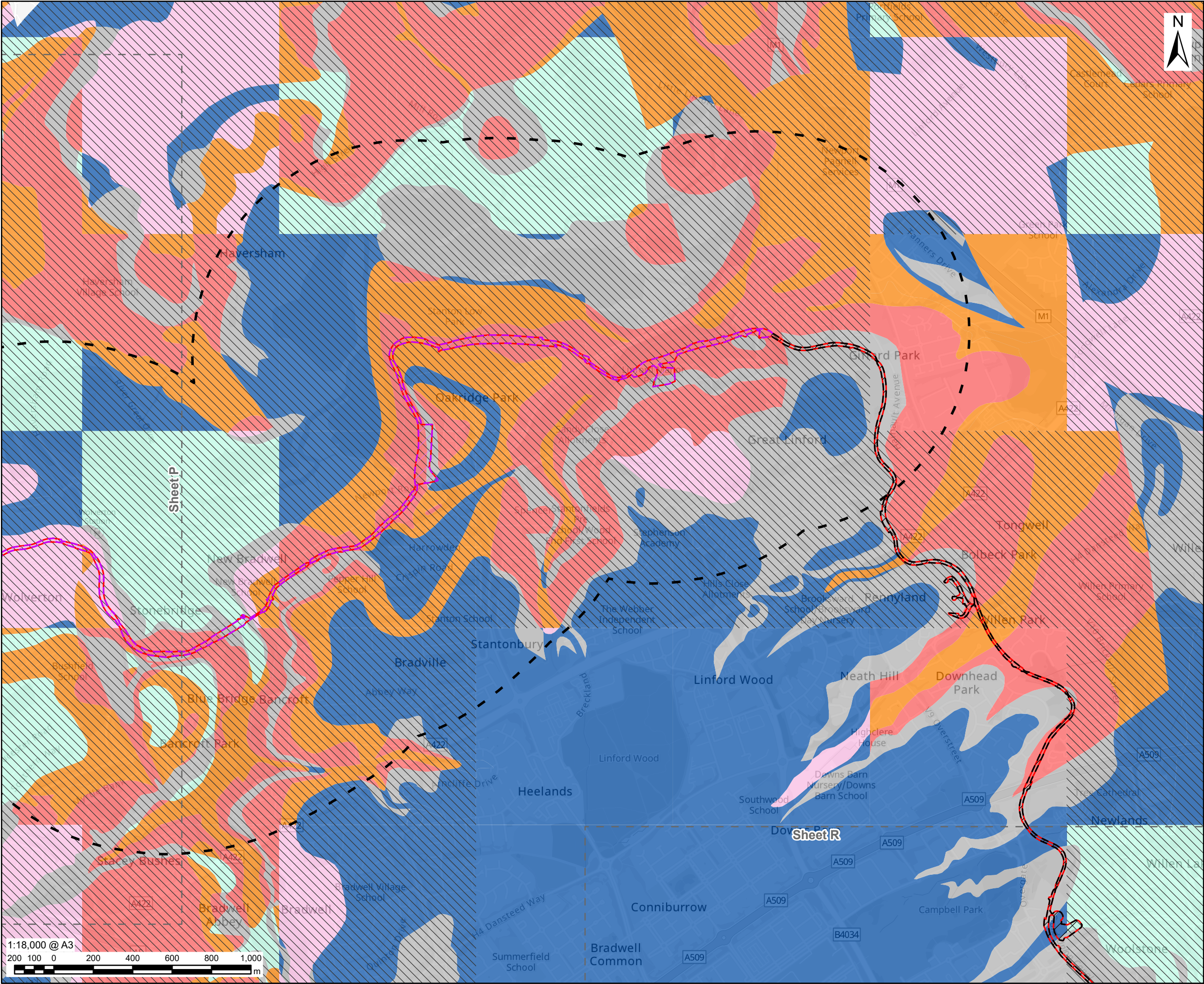
LEGEND

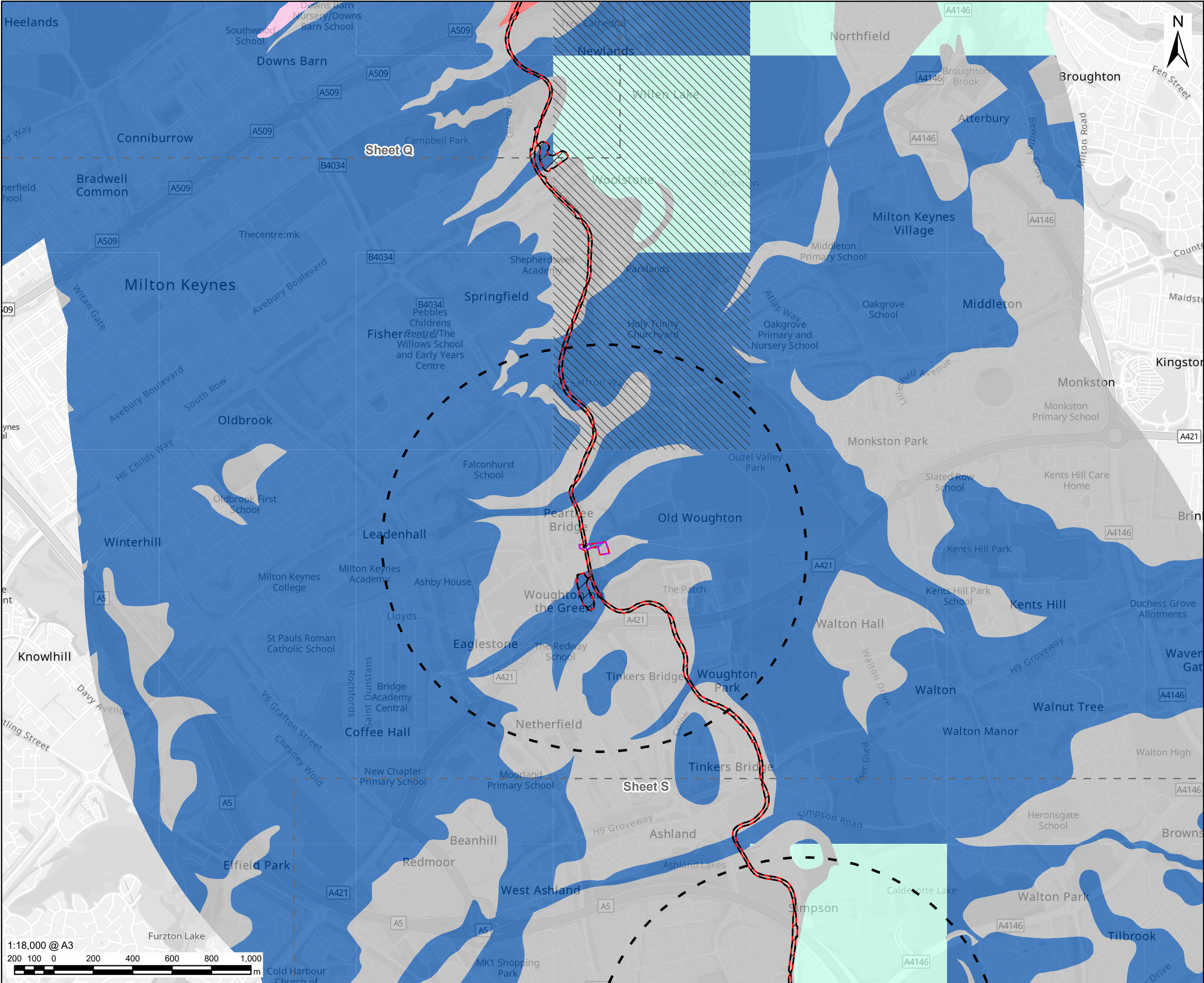
	Part 2 - Indicative Work Area
	Part 2 - Indicative Non-Work Area
	Part 2 - 1km Study Area
	Preliminary Order Limits
	Sheet Extent
	Soluble Rock Risk
Groundwater Vulnerability	
	High
	Medium-High
	Medium
	Medium – Low
	Low
	Unproductive

NOTES

1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.
2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS.
3. © British Geological Survey.
4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE
FINAL
PROJECT NUMBER
60720432
FIGURE TITLE
Parts 2 & 3 Groundwater Vulnerability Risk Mapping Sheet P
FIGURE NUMBER
Figure 22-P2&3-7





AECOM

PROJECT

Grand Union Canal Transfer

CLIENT

Affinity Water, Severn Trent Water and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

LEGEND

- Part 2 - Indicative Work Area
- Part 2 - Indicative Non-Work Area
- Part 2 - 1km Study Area
- Preliminary Order Limits
- Sheet Extent
- Soluble Rock Risk

Groundwater Vulnerability

- High
- Medium
- Medium – Low
- Low
- Unproductive

NOTES

1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.
2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS.
3. © British Geological Survey.
4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE

FINAL

PROJECT NUMBER

60720432

FIGURE TITLE

Parts 2 & 3 Groundwater Vulnerability Risk Mapping Sheet R

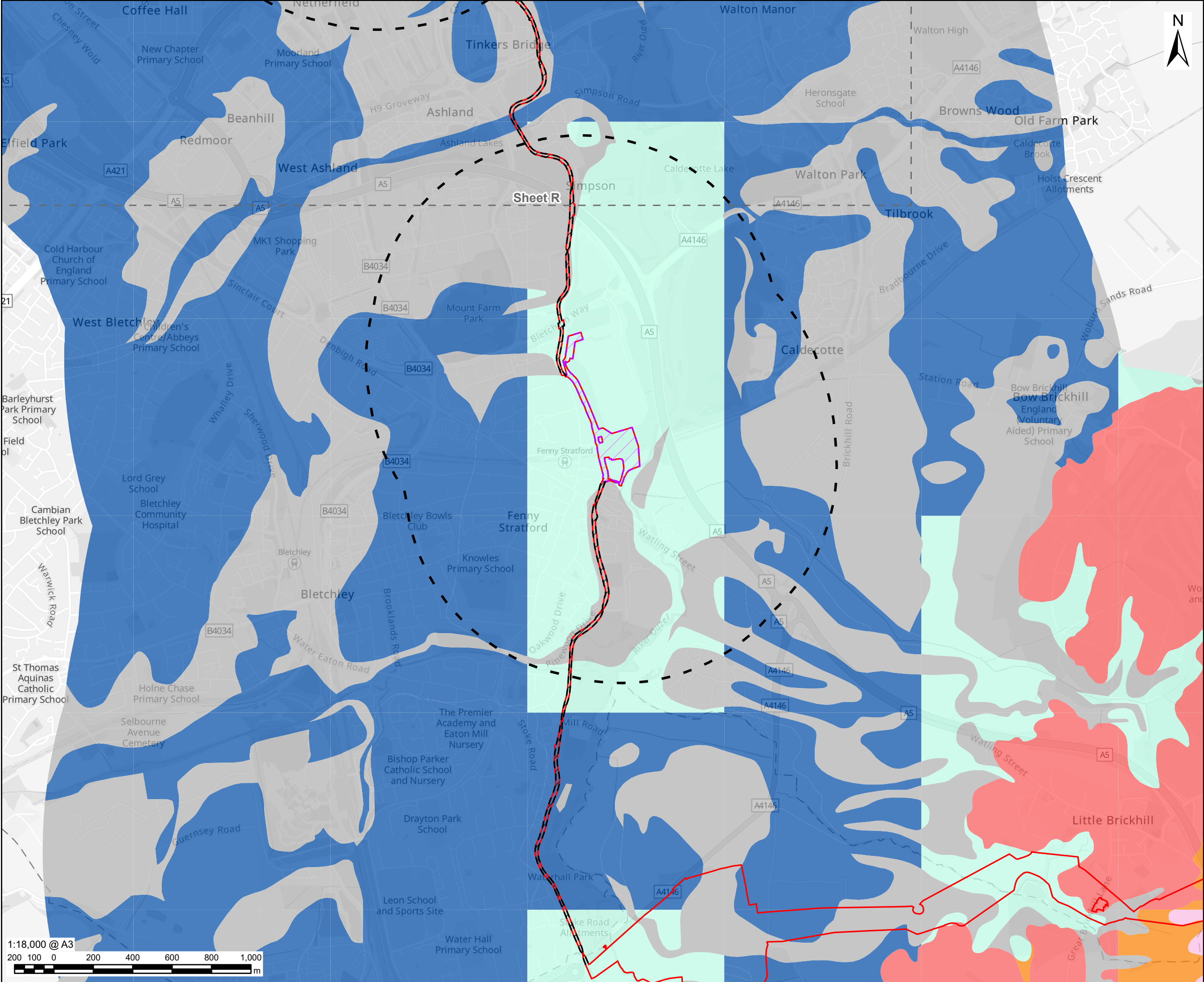
FIGURE NUMBER

Figure 22-P2&3-7

This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.

Filename: C:\Users\diminad\AECOM\Affinity Water EIA Project\02_Maps\PEI_Report\Chapter_22_Water_Env_and_Flood_Risk\Chapter_22_Part_2_3_Figs_22_4_to_7_Water_Env_and_Flood_Risk.aprx

Revision: 0 Drawn: DD Checked: JW Approved: LL Date: 2025-11-17



AECOM

PROJECT

Grand Union
Canal Transfer

CLIENT

Affinity Water, Severn Trent Water
and Canal & River Trust

CONSULTANT

AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
www.aecom.com

LEGEND

- Part 2 - Indicative Work Area
- Part 2 - Indicative Non-Work Area
- Part 2 - 1km Study Area
- Preliminary Order Limits
- Sheet Extent

Groundwater Vulnerability

- High
- Medium-High
- Medium
- Medium – Low
- Low
- Unproductive

NOTES

1. Reproduced from Ordnance Survey digital map data © Crown copyright and database rights 2025 OS 100025261.
2. Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS.
3. © British Geological Survey.
4. Study areas are based on Parts 2 (Indicative Work Area) and 3 (Indicative Work Area), Preliminary Order Limits. Parts 2 & 3 (Indicative Non-Work Area) Preliminary Order Limits are excluded as no physical works are proposed.

ISSUE PURPOSE

FINAL

PROJECT NUMBER

60720432

FIGURE TITLE

Parts 2 & 3 Groundwater Vulnerability
Risk Mapping
Sheet S

FIGURE NUMBER

Figure 22-P2&3-7

This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.