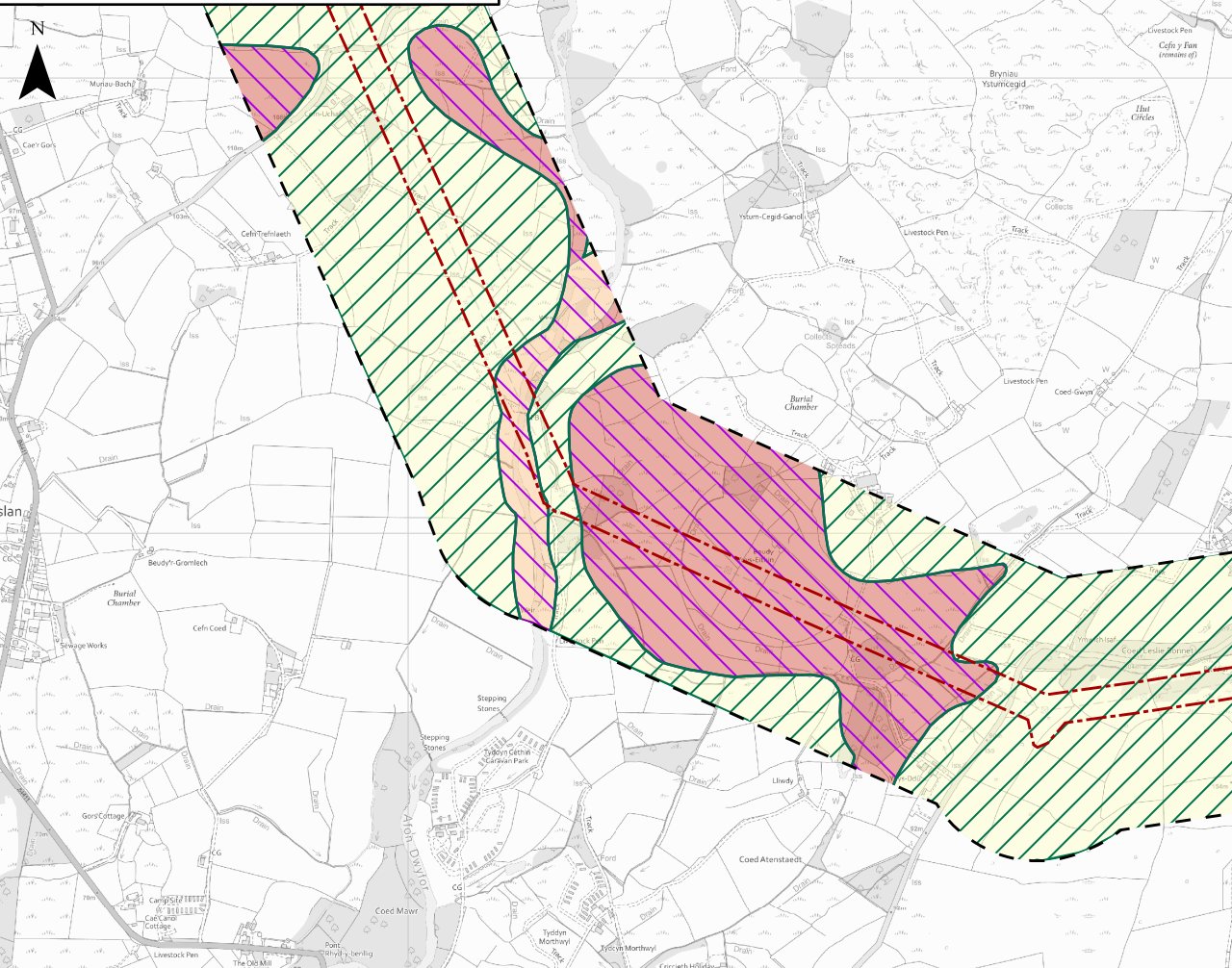
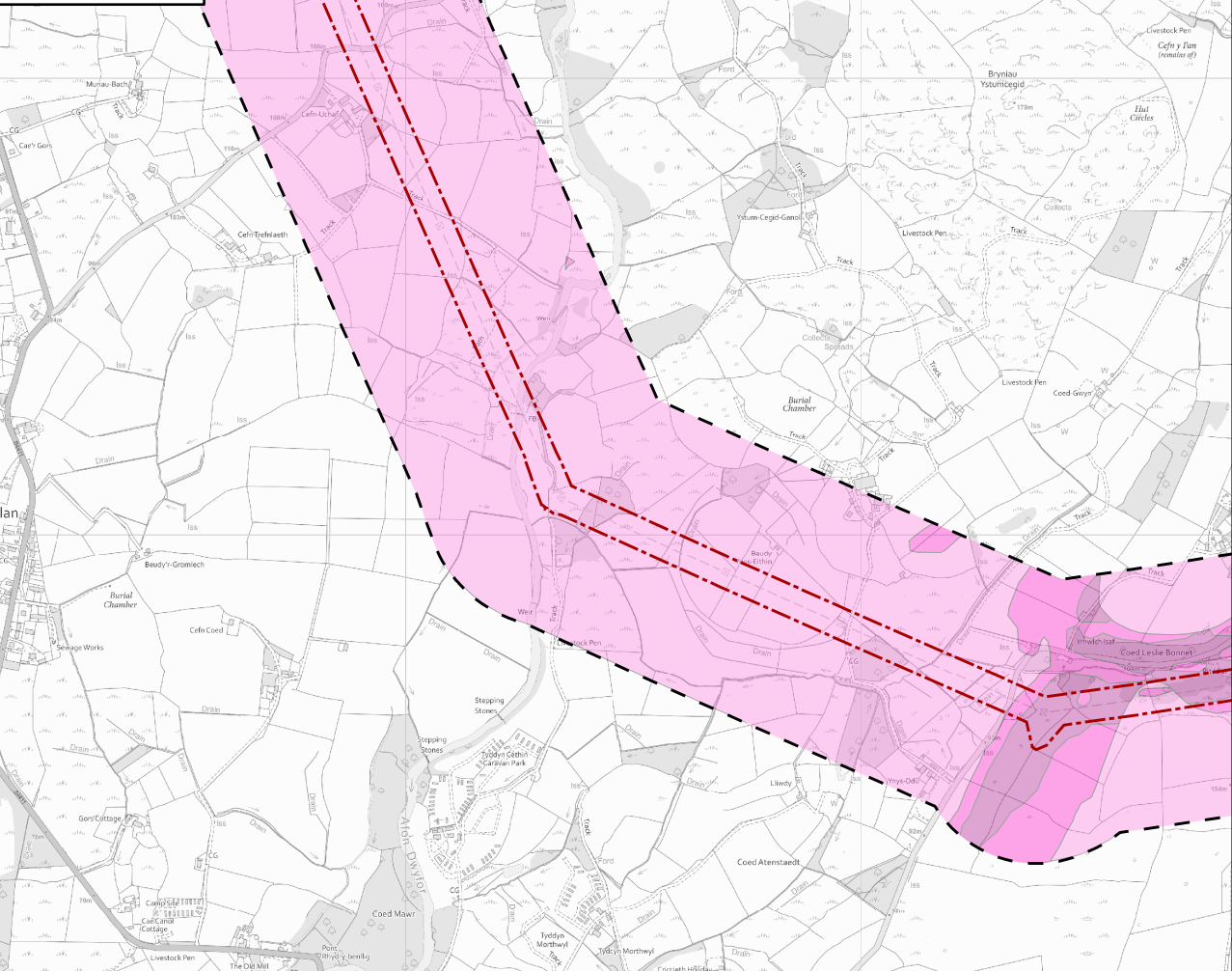


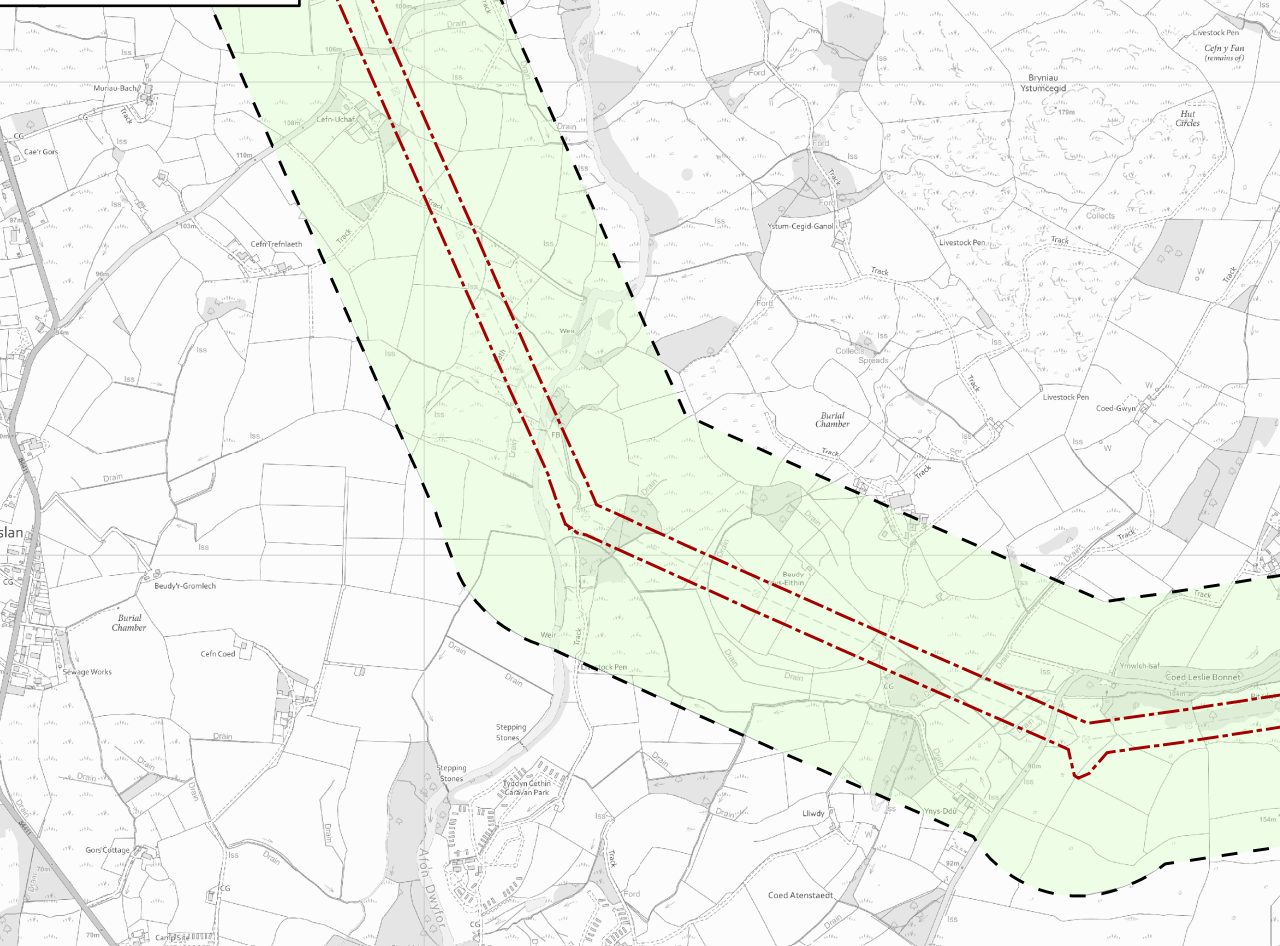
Map 1 - Collapsible and Compressible Deposits



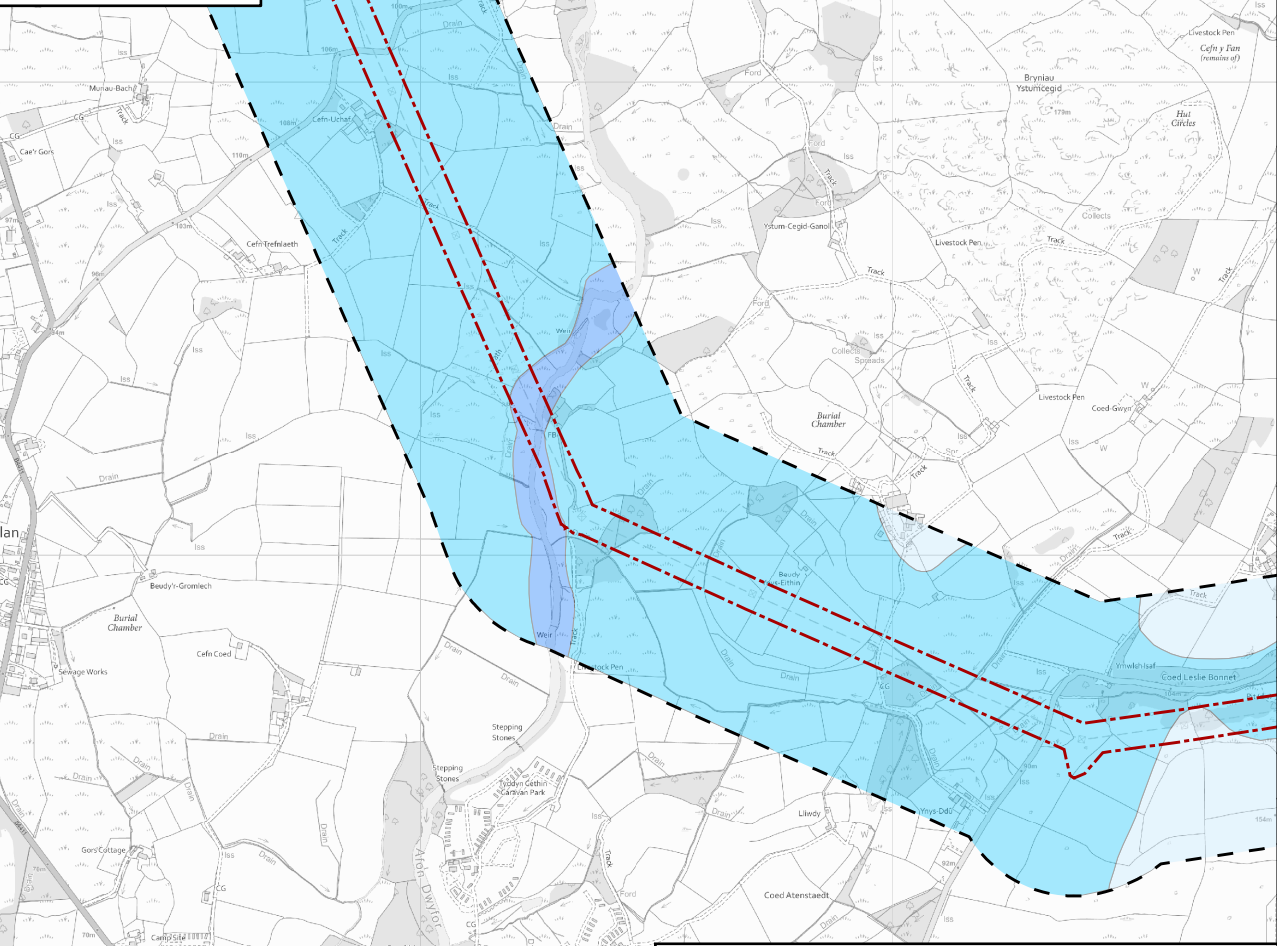
Map 2 - Landslides



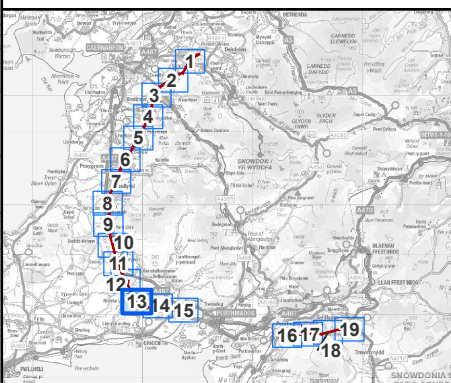
Map 3 - Shrink Swell Clays



Map 4 - Running Sands



WIDER WORKS ROUTE LEGEND



- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Collapsible Deposits**
 - Deposits with potential to collapse when loaded and saturated are believed not to be present.
 - Deposits with potential to collapse when loaded and saturated are unlikely to be present.
 - Compressible Deposits**
 - Compressible strata are not thought to occur.
 - Compressibility and uneven settlement potential may be present. Land use should consider specifically the compressibility and variability of the site.
 - Highly compressible strata present. Significant constraint on land use depending on thickness.
 - Landslides**
 - Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
 - Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
 - Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
 - Running Sand**
 - Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.
 - Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
 - Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.
 - Shrink Swell Clays**
 - Ground conditions predominantly non-plastic.

NOTES

1. Ground stability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	18/08/2025	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

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Document Title: FIGURE 6.A.3 GROUND STABILITY

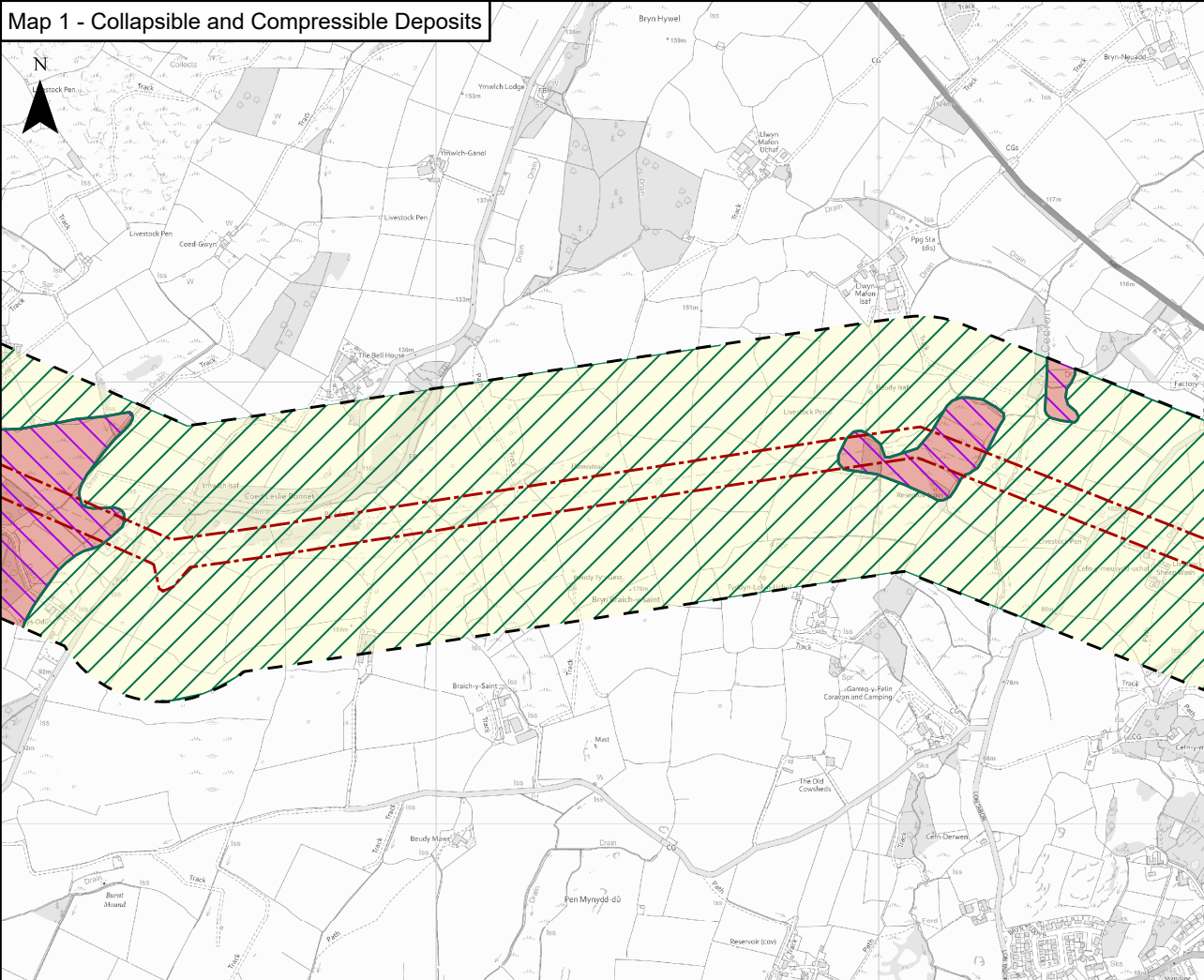
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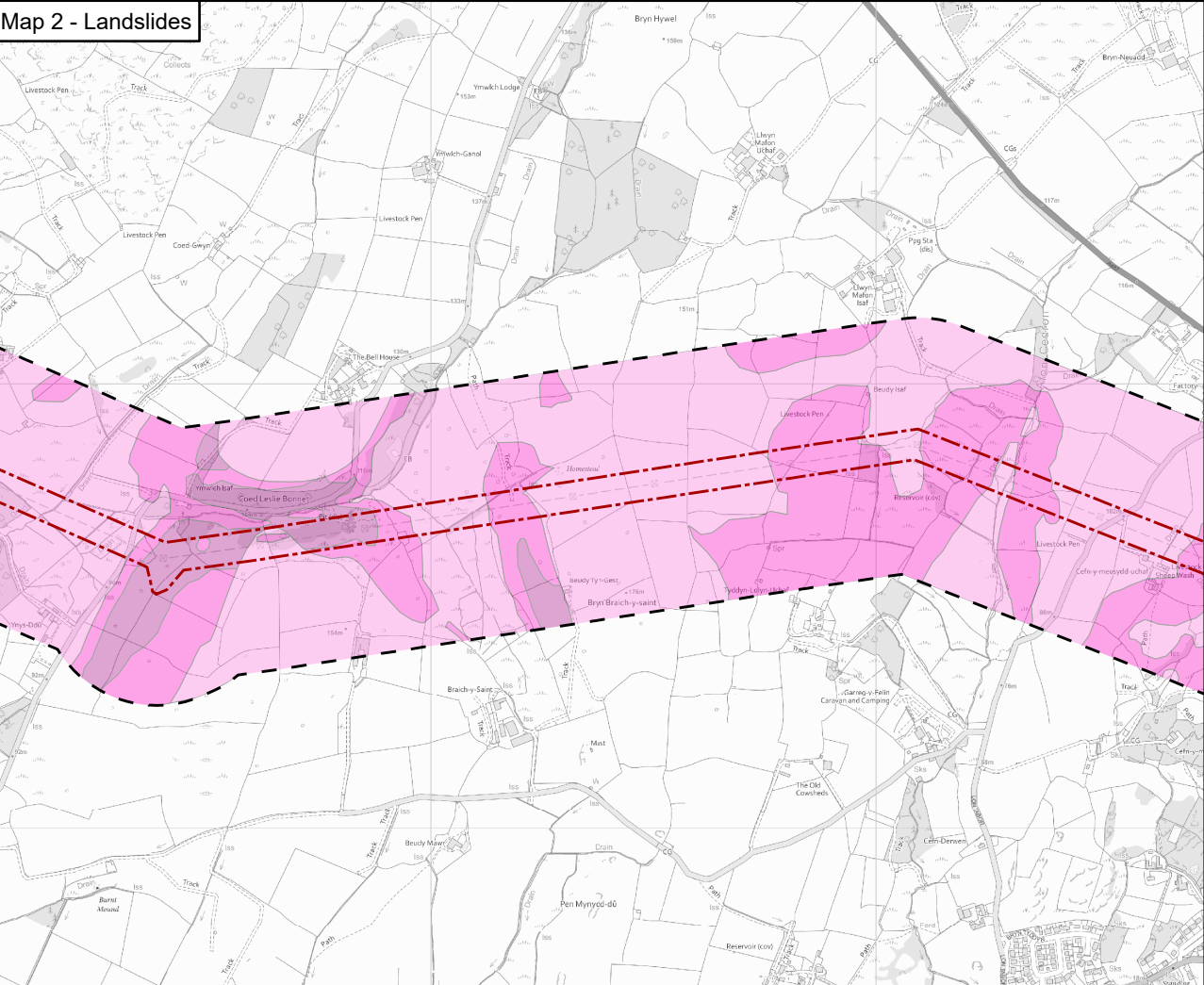
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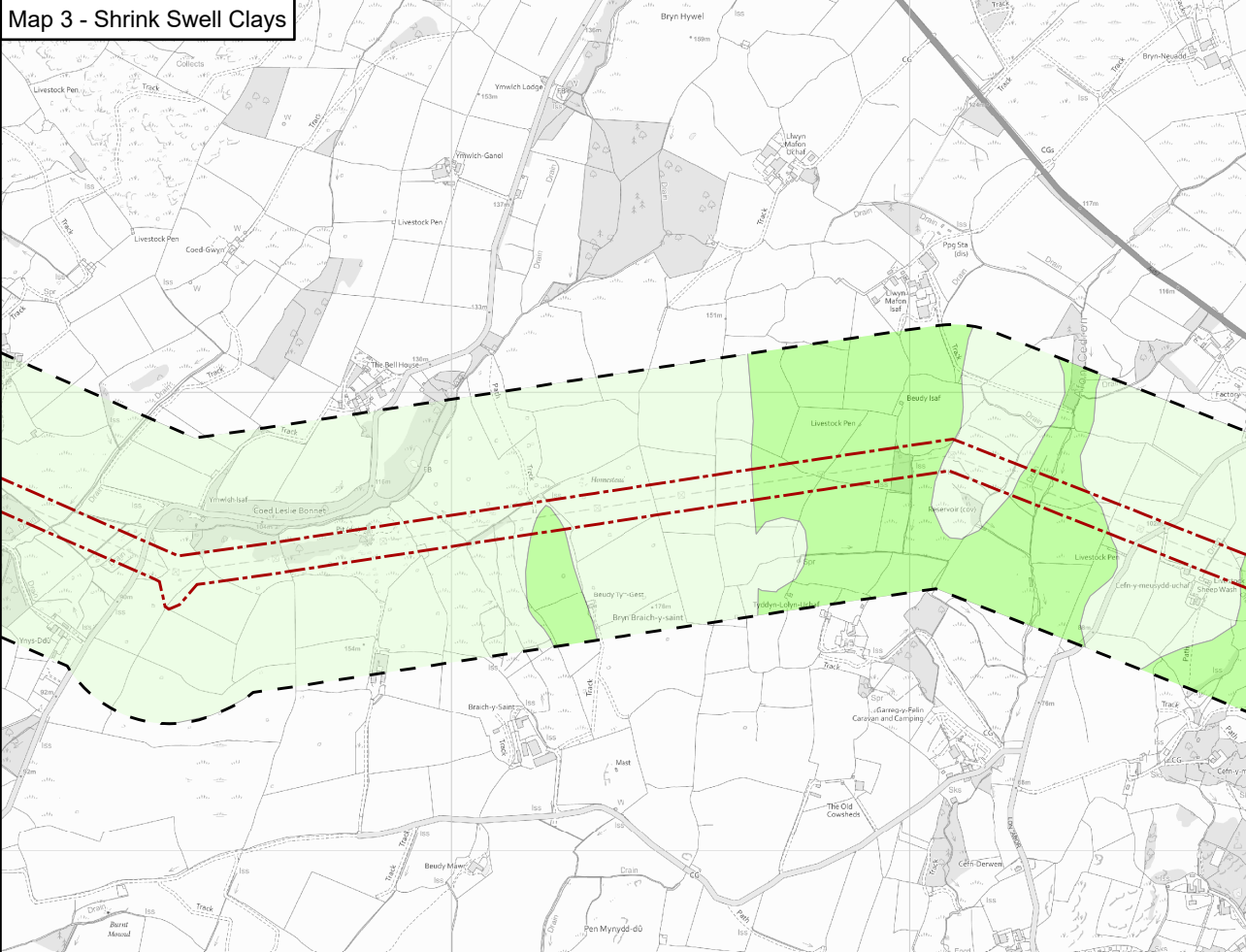
Map 1 - Collapsible and Compressible Deposits



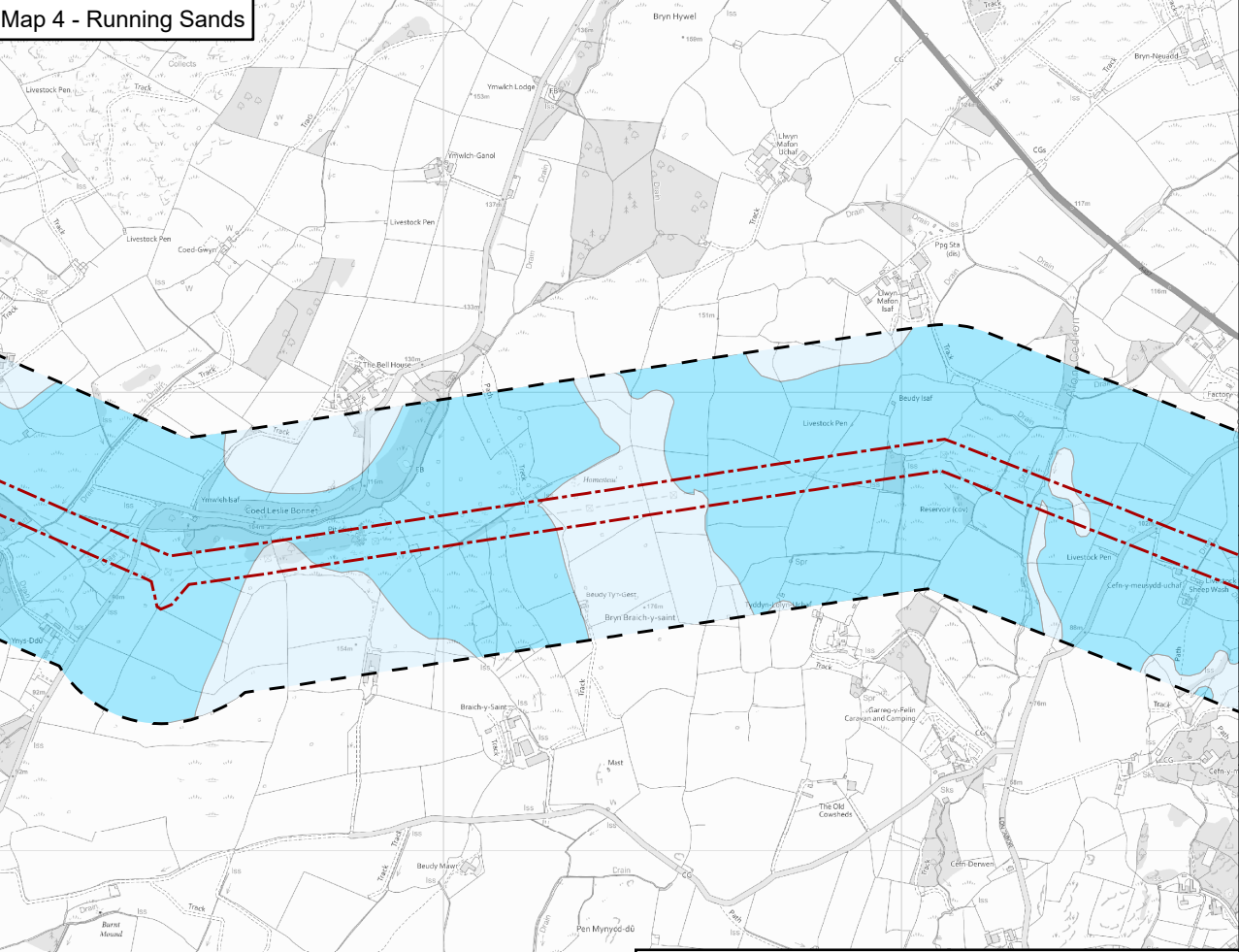
Map 2 - Landslides



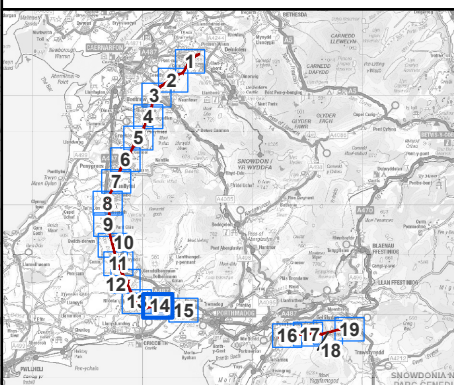
Map 3 - Shrink Swell Clays



Map 4 - Running Sands



WIDER WORKS ROUTE LEGEND



- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Collapsible Deposits**
 - Deposits with potential to collapse when loaded and saturated are believed not to be present.
 - Deposits with potential to collapse when loaded and saturated are unlikely to be present.
 - Compressible Deposits**
 - Compressible strata are not thought to occur.
 - Highly compressible strata present. Significant constraint on land use depending on thickness.
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 - Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
 - Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
 - Running Sand**
 - Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.
 - Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
 - Shrink Swell Clays**
 - Ground conditions predominantly non-plastic.
 - Ground conditions predominantly low plasticity.

NOTES

1. Ground stability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT

Volume: VOLUME 8: APPENDICES
WIDER WORKS

Document Title: FIGURE 6.A.3
GROUND STABILITY

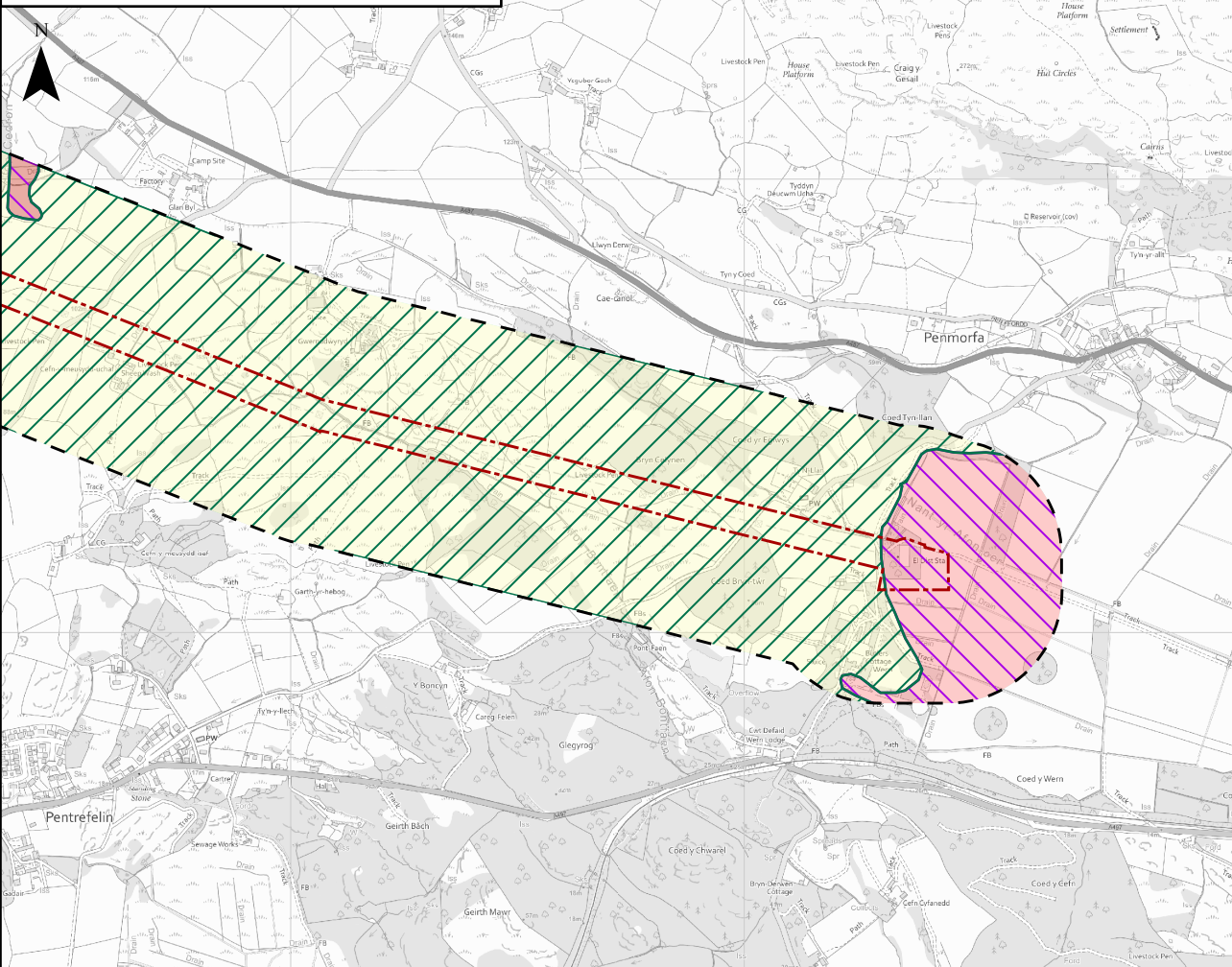
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FIGURE	1:16,000	A3	14 OF 19	A

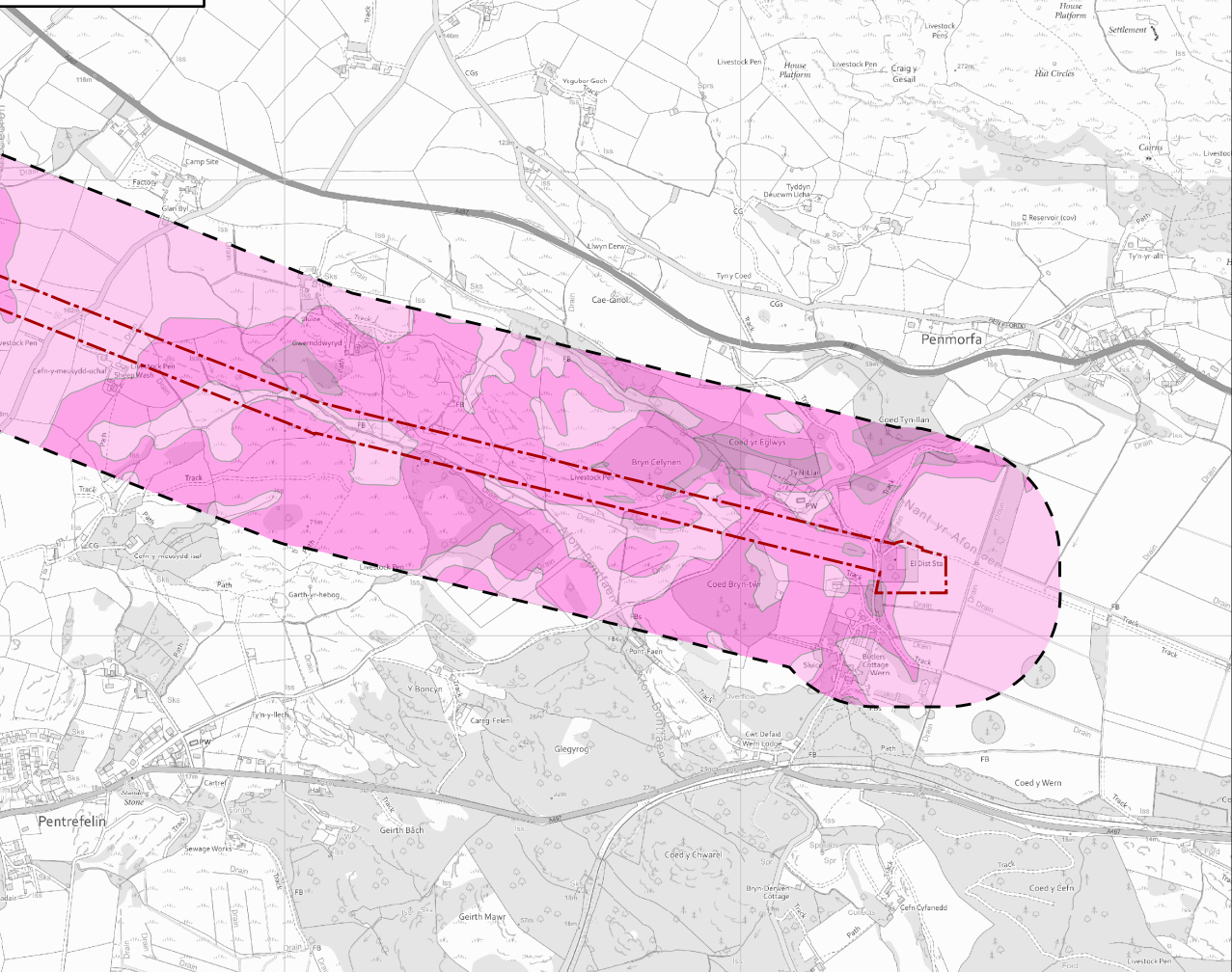
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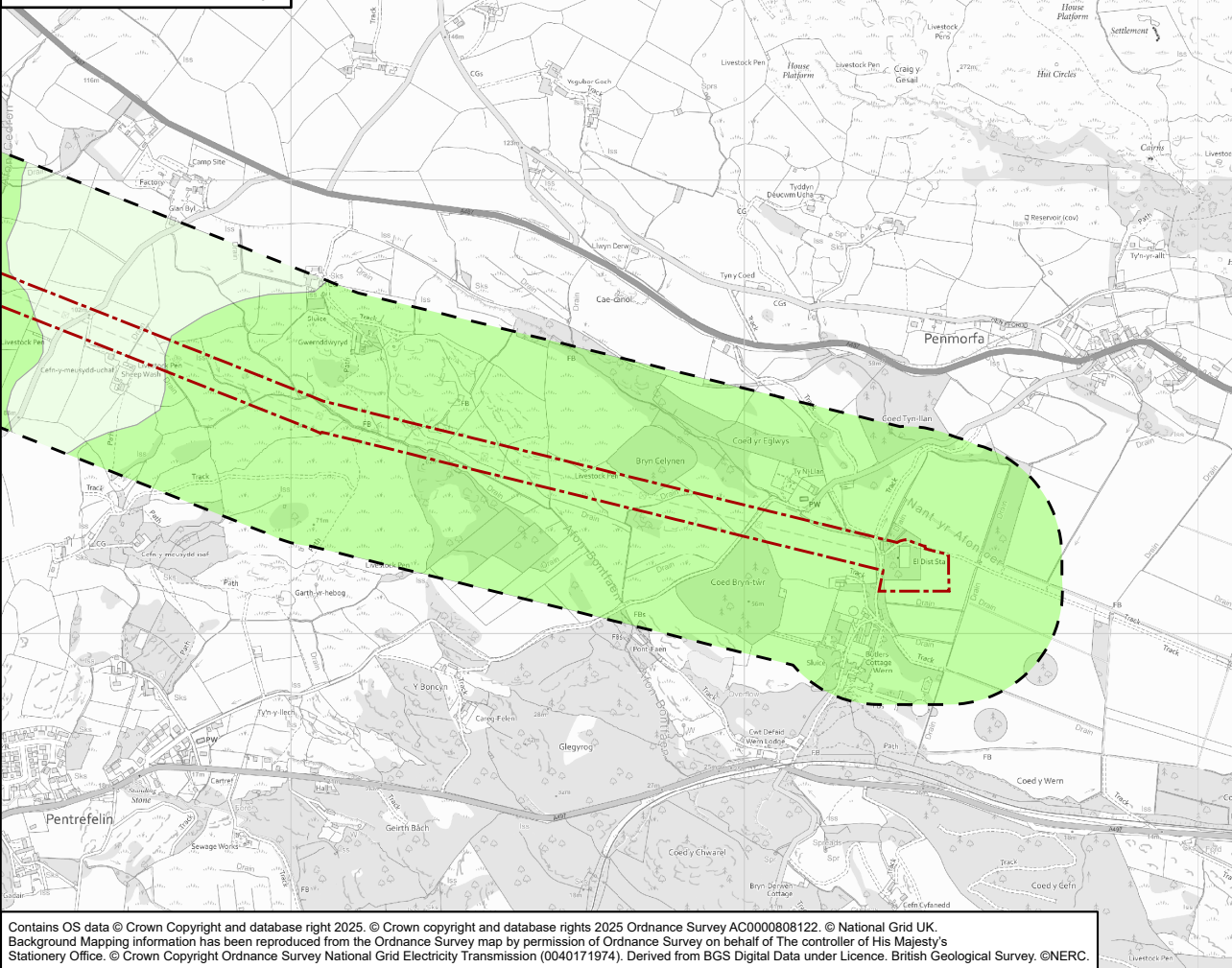
Map 1 - Collapsible and Compressible Deposits



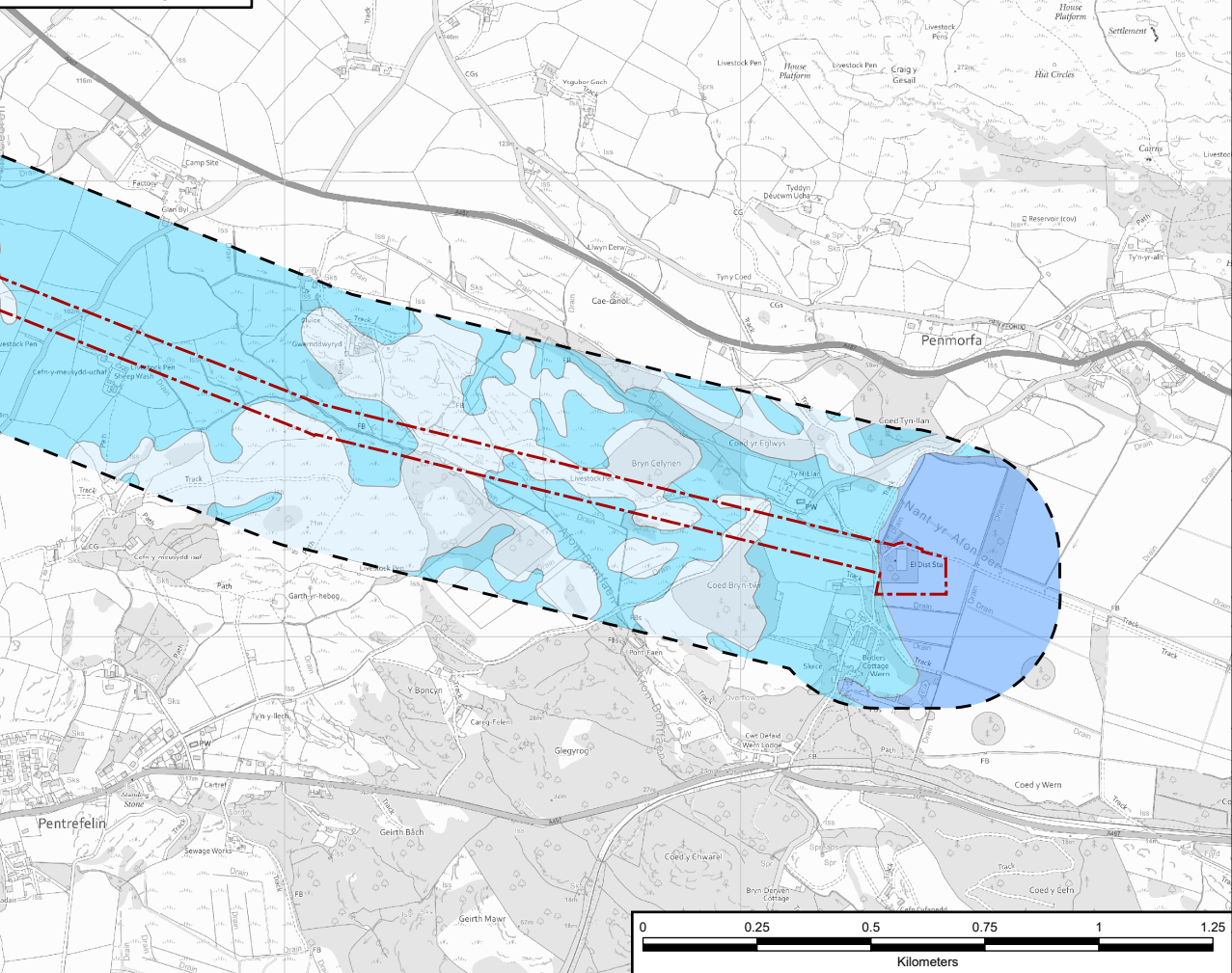
Map 2 - Landslides



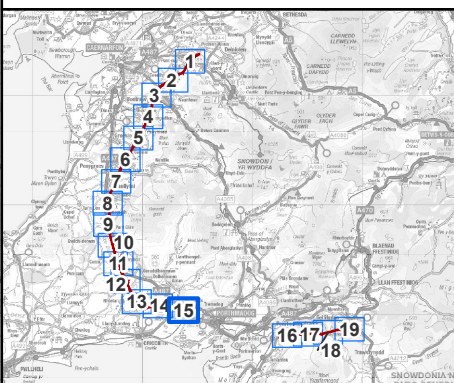
Map 3 - Shrink Swell Clays



Map 4 - Running Sands



WIDER WORKS ROUTE LEGEND



- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Collapsible Deposits**
 - Deposits with potential to collapse when loaded and saturated are believed not to be present.
 - Deposits with potential to collapse when loaded and saturated are unlikely to be present.
 - Compressible Deposits**
 - Compressible strata are not thought to occur.
 - Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
 - Highly compressible strata present. Significant constraint on land use depending on thickness.
 - Landslides**
 - Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
 - Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
 - Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
 - Running Sand**
 - Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.
 - Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
 - Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.
 - Shrink Swell Clays**
 - Ground conditions predominantly non-plastic.
 - Ground conditions predominantly low plasticity.

NOTES

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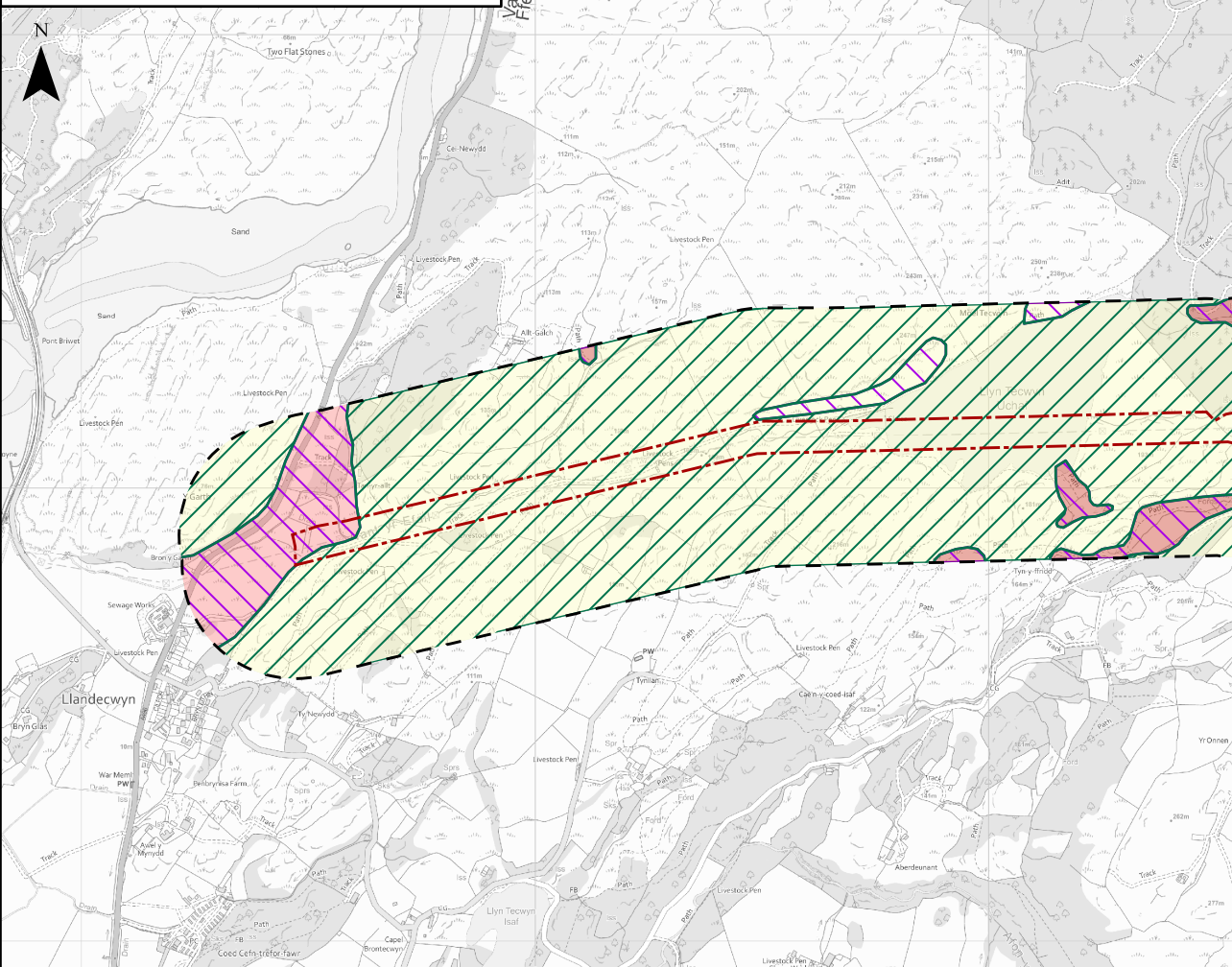
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Volume: VOLUME 8: APPENDICES WIDER WORKS					
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Creator: LP	Date: 18/08/2025	Checker: SB	Date: 18/08/2025	Approver: NL	Date: 18/08/2025
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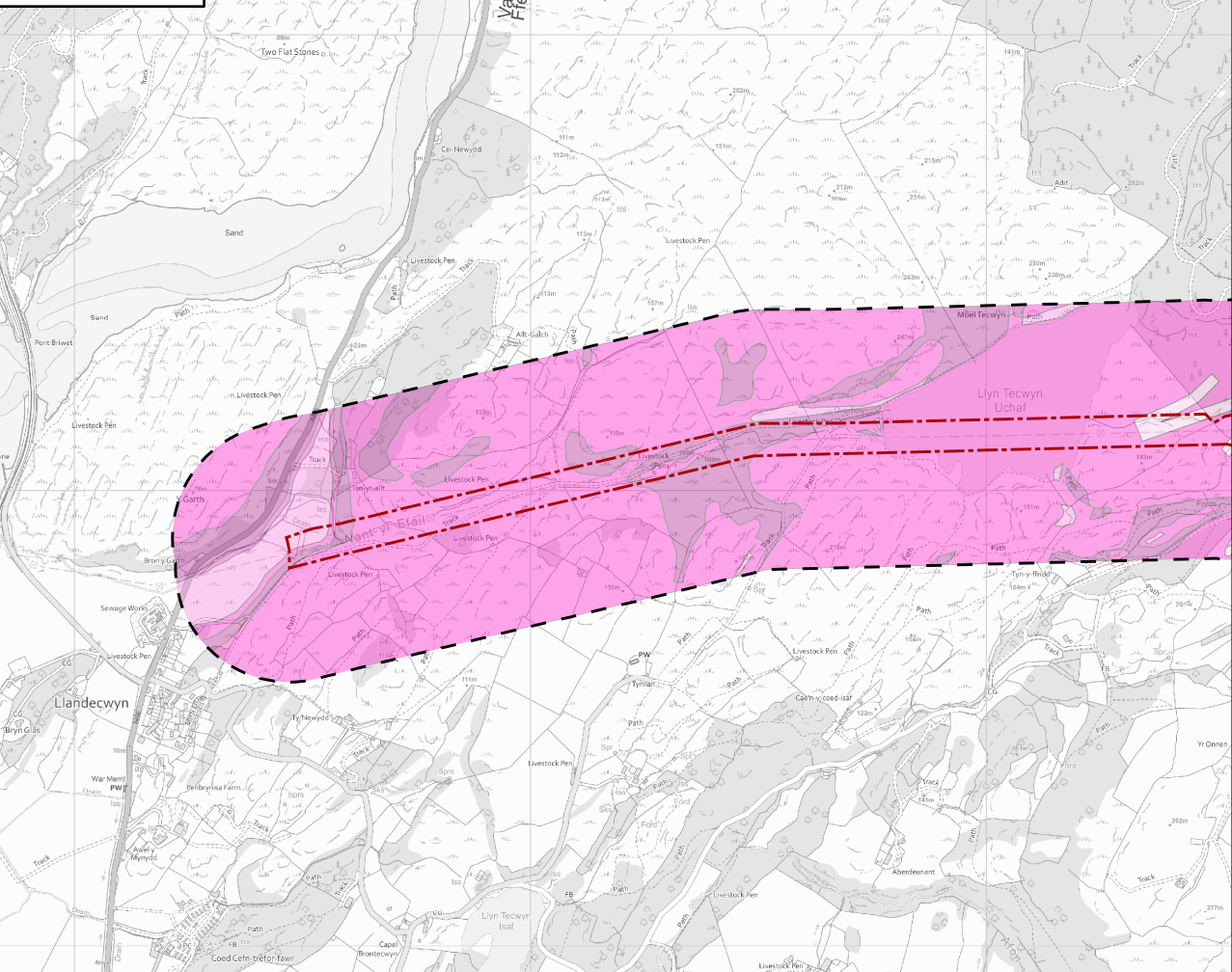
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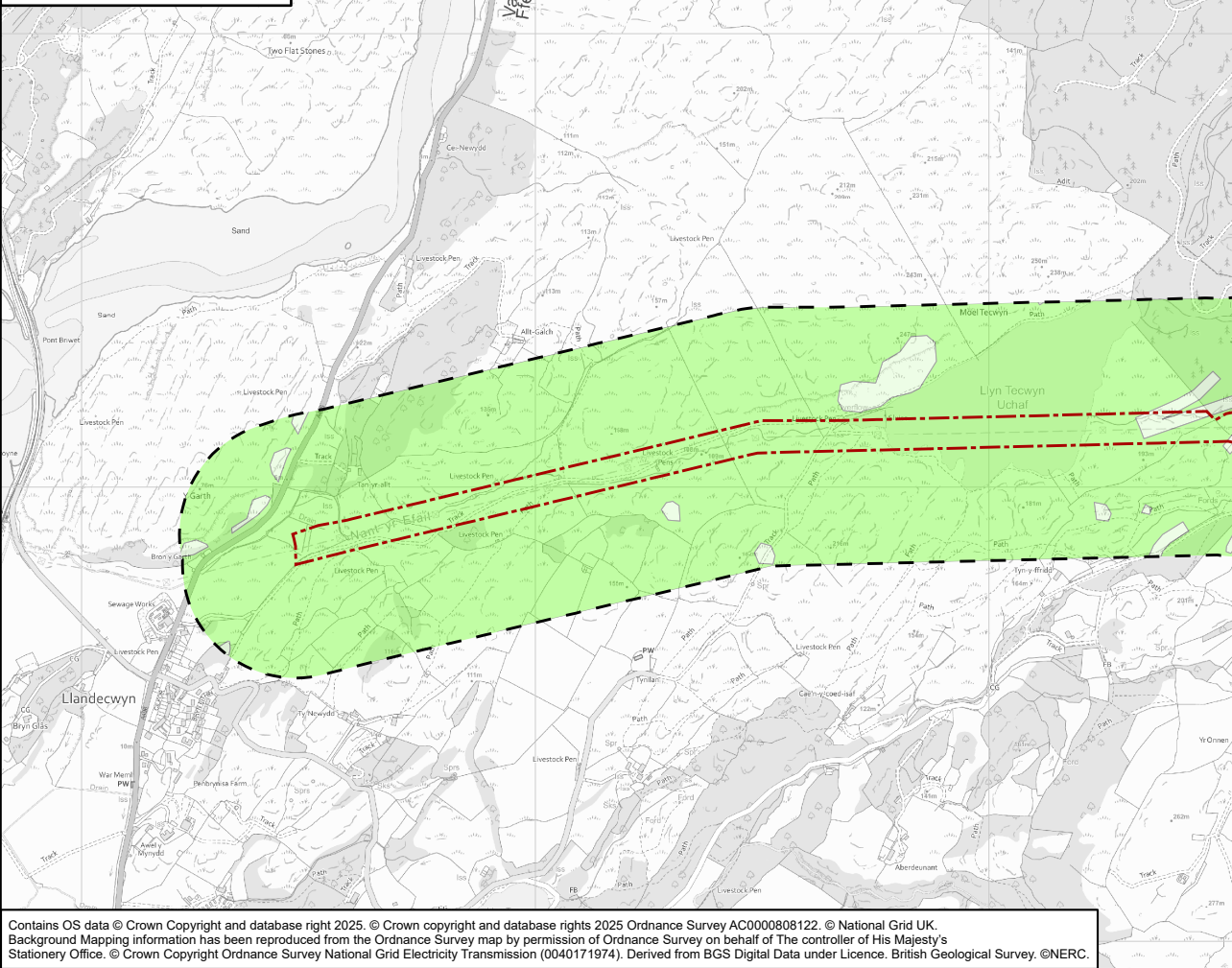
Map 1 - Collapsible and Compressible Deposits



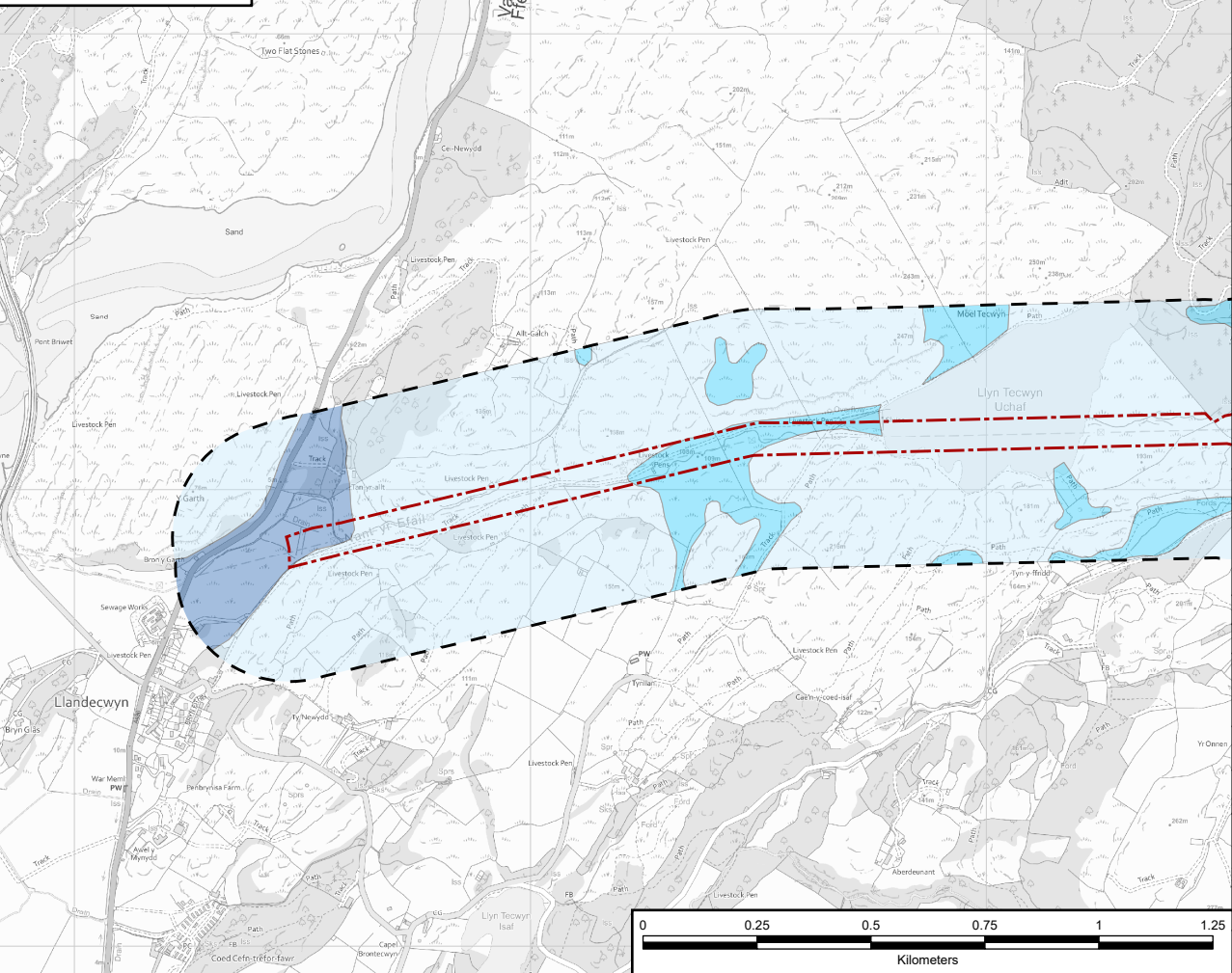
Map 2 - Landslides



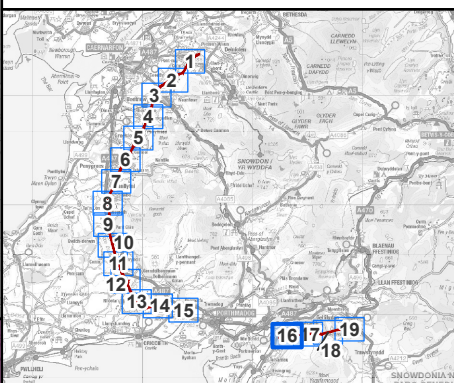
Map 3 - Shrink Swell Clays



Map 4 - Running Sands



WIDER WORKS ROUTE LEGEND



- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Collapsible Deposits**
 - Deposits with potential to collapse when loaded and saturated are believed not to be present.
 - Deposits with potential to collapse when loaded and saturated are unlikely to be present.
 - Compressible Deposits**
 - Compressible strata are not thought to occur.
 - Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
 - Highly compressible strata present. Significant constraint on land use depending on thickness.
 - Landslides**
 - Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
 - Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
 - Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
 - Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
 - Slope instability problems almost certainly present and may be active. Significant constraint on land use.
 - Running Sand**
 - Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.
 - Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
 - Running sand conditions are probably present. Constraints may apply to land uses involving excavation or the addition or removal of water.
 - Shrink Swell Clays**
 - Ground conditions predominantly non-plastic.
 - Ground conditions predominantly low plasticity.

NOTES

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A	18/08/2025	Environmental Statement	LP	SB	NL
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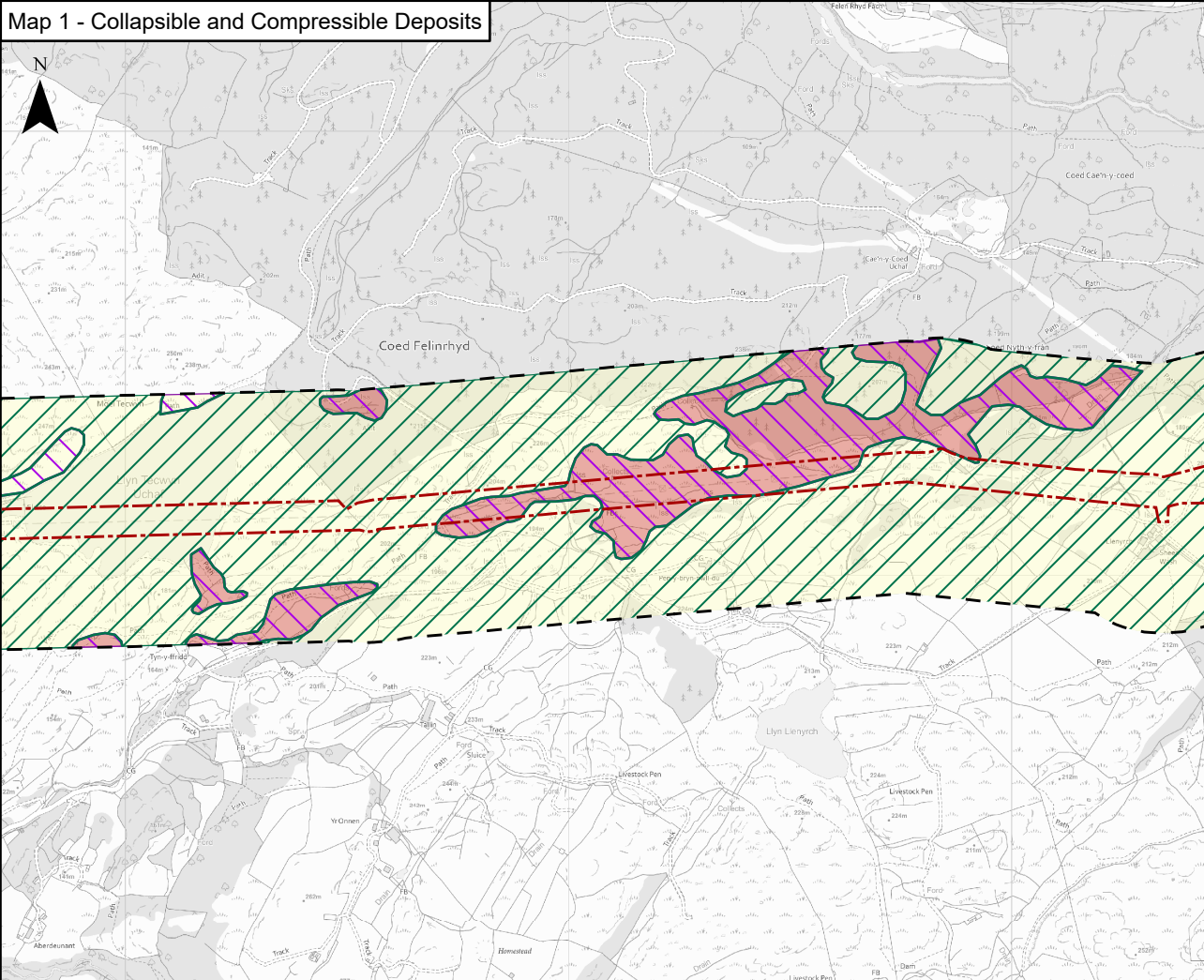
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Volume: VOLUME 8: APPENDICES WIDER WORKS					
Document Title: FIGURE 6.A.3 GROUND STABILITY					
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Document Type: FIGURE	Scale: 1:16,000	Format: A3	Sheets: 16 OF 19	Rev: A	

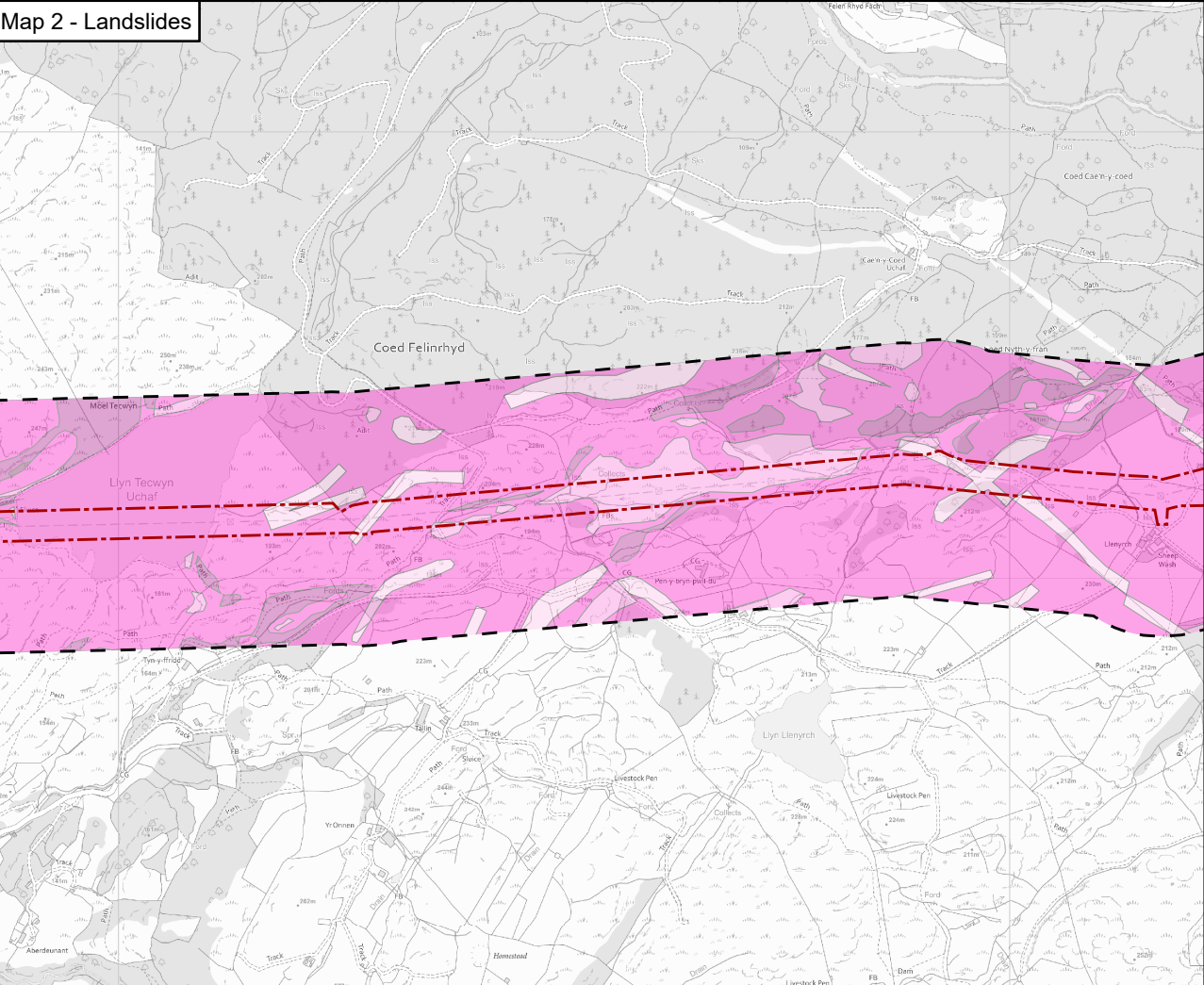
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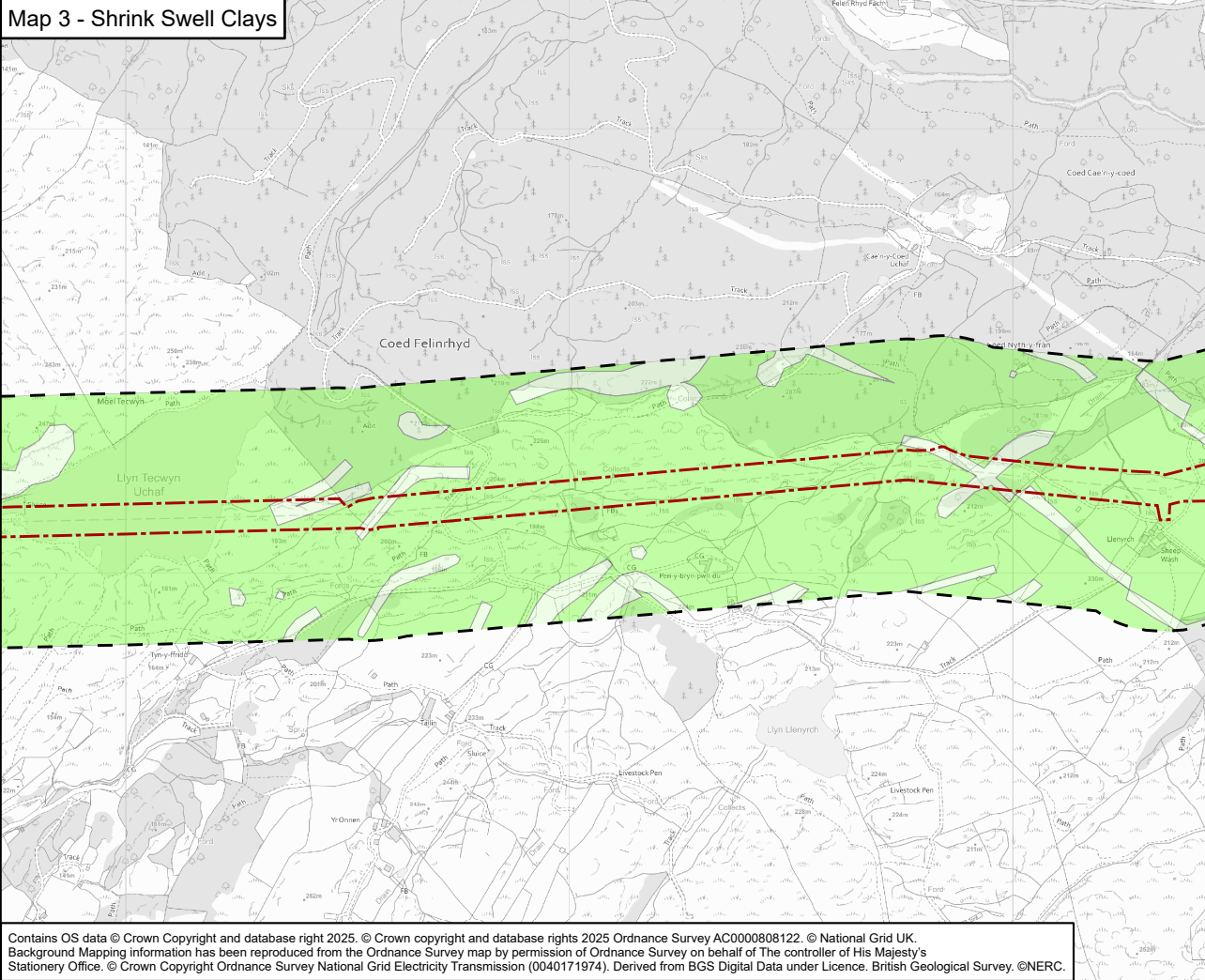
Map 1 - Collapsible and Compressible Deposits



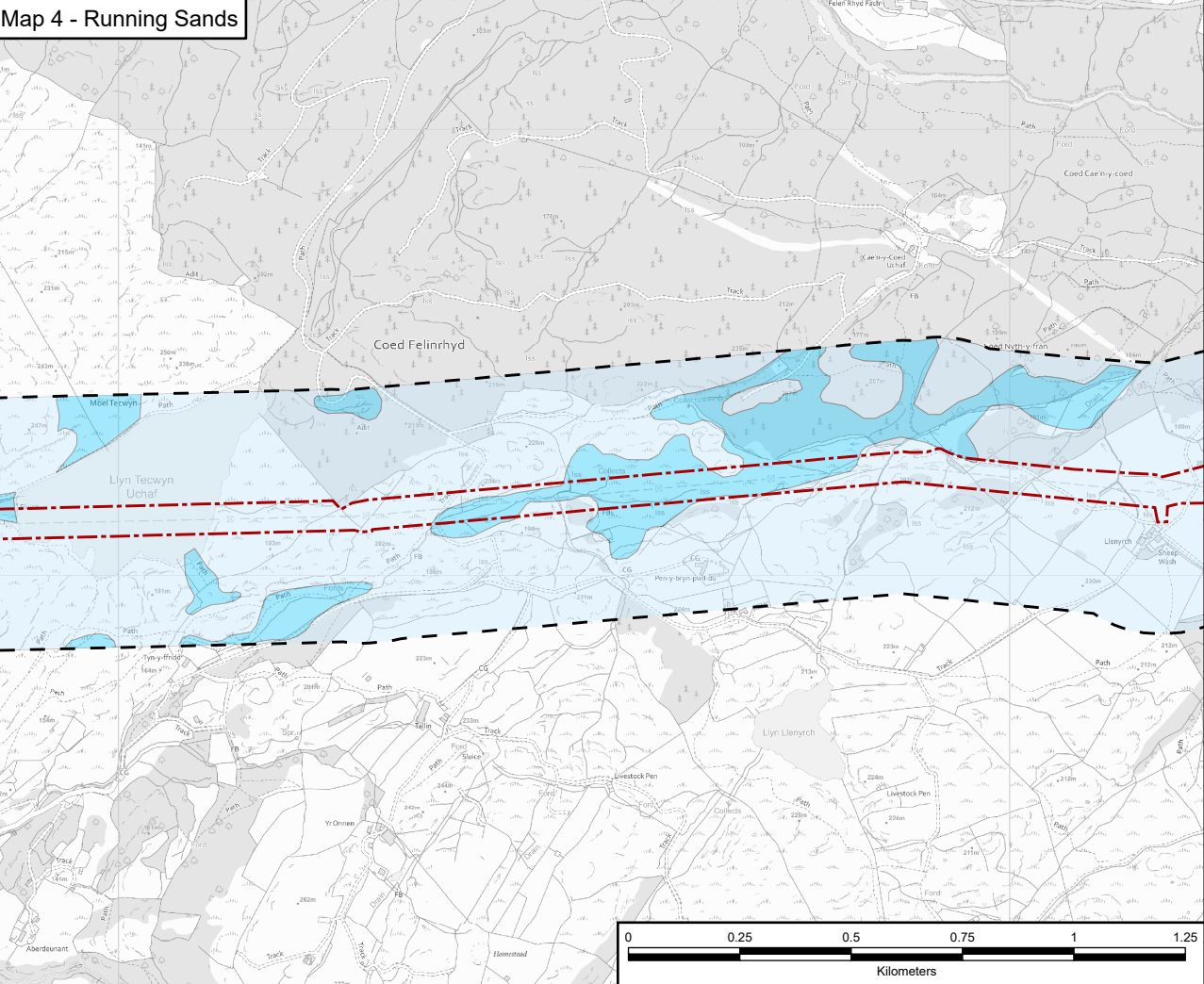
Map 2 - Landslides



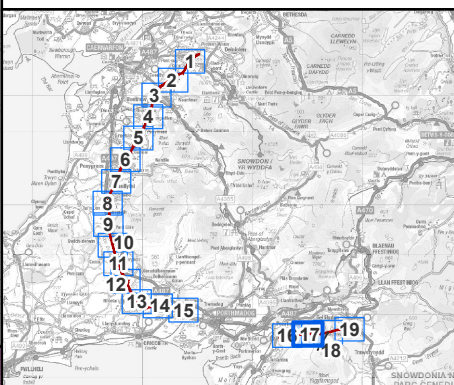
Map 3 - Shrink Swell Clays



Map 4 - Running Sands



WIDER WORKS ROUTE LEGEND



- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Collapsible Deposits**
 - Deposits with potential to collapse when loaded and saturated are believed not to be present.
 - Deposits with potential to collapse when loaded and saturated are unlikely to be present.
 - Compressible Deposits**
 - Compressible strata are not thought to occur.
 - Highly compressible strata present. Significant constraint on land use depending on thickness.
 - Landslides**
 - Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
 - Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
 - Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
 - Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
 - Slope instability problems almost certainly present and may be active. Significant constraint on land use.
 - Running Sand**
 - Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.
 - Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
 - Shrink Swell Clays**
 - Ground conditions predominantly non-plastic.
 - Ground conditions predominantly low plasticity.

NOTES

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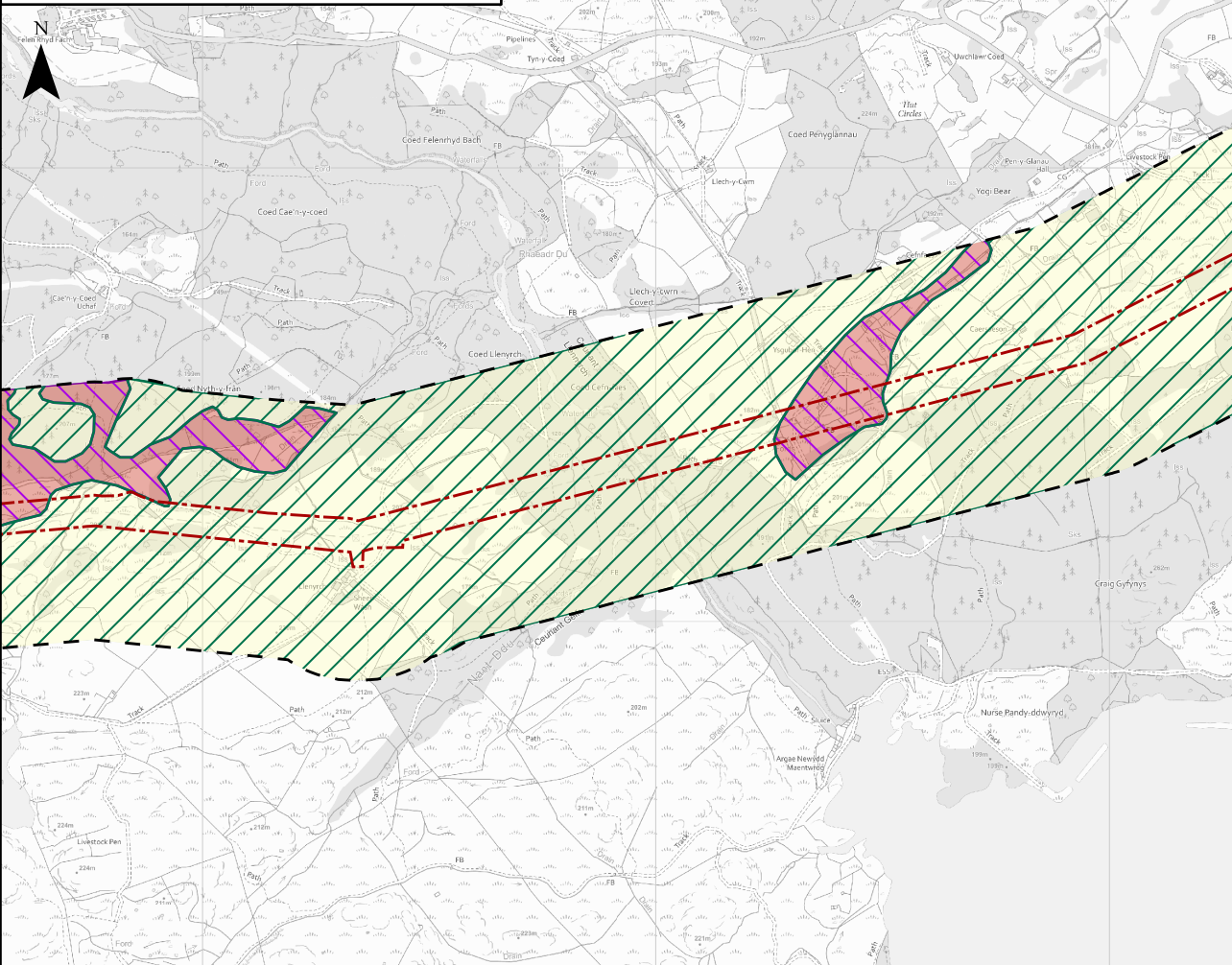
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Creator: LP	Date: 18/08/2025	Checker: SB	Date: 18/08/2025	Approver: NL	Date: 18/08/2025
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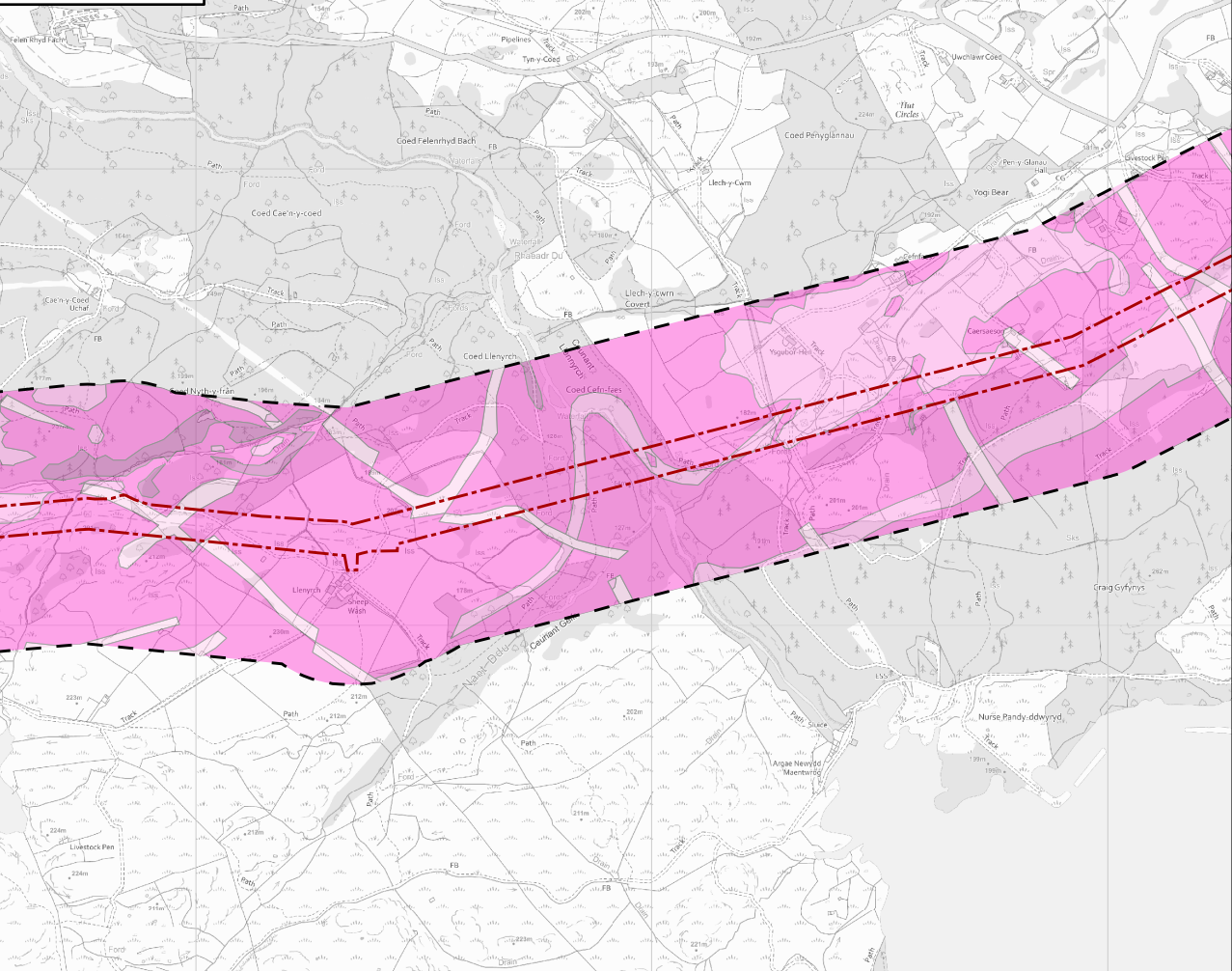
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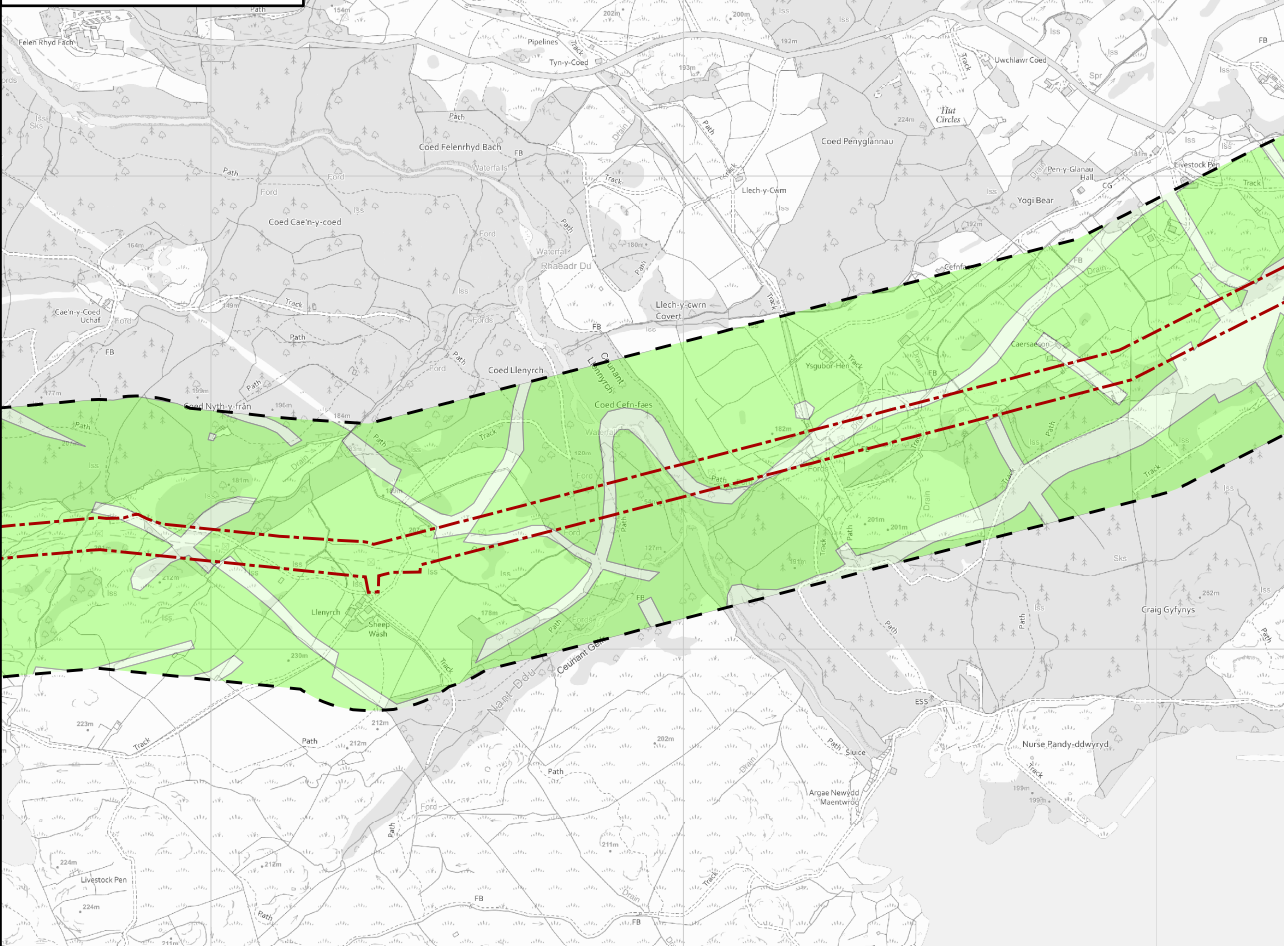
Map 1 - Collapsible and Compressible Deposits



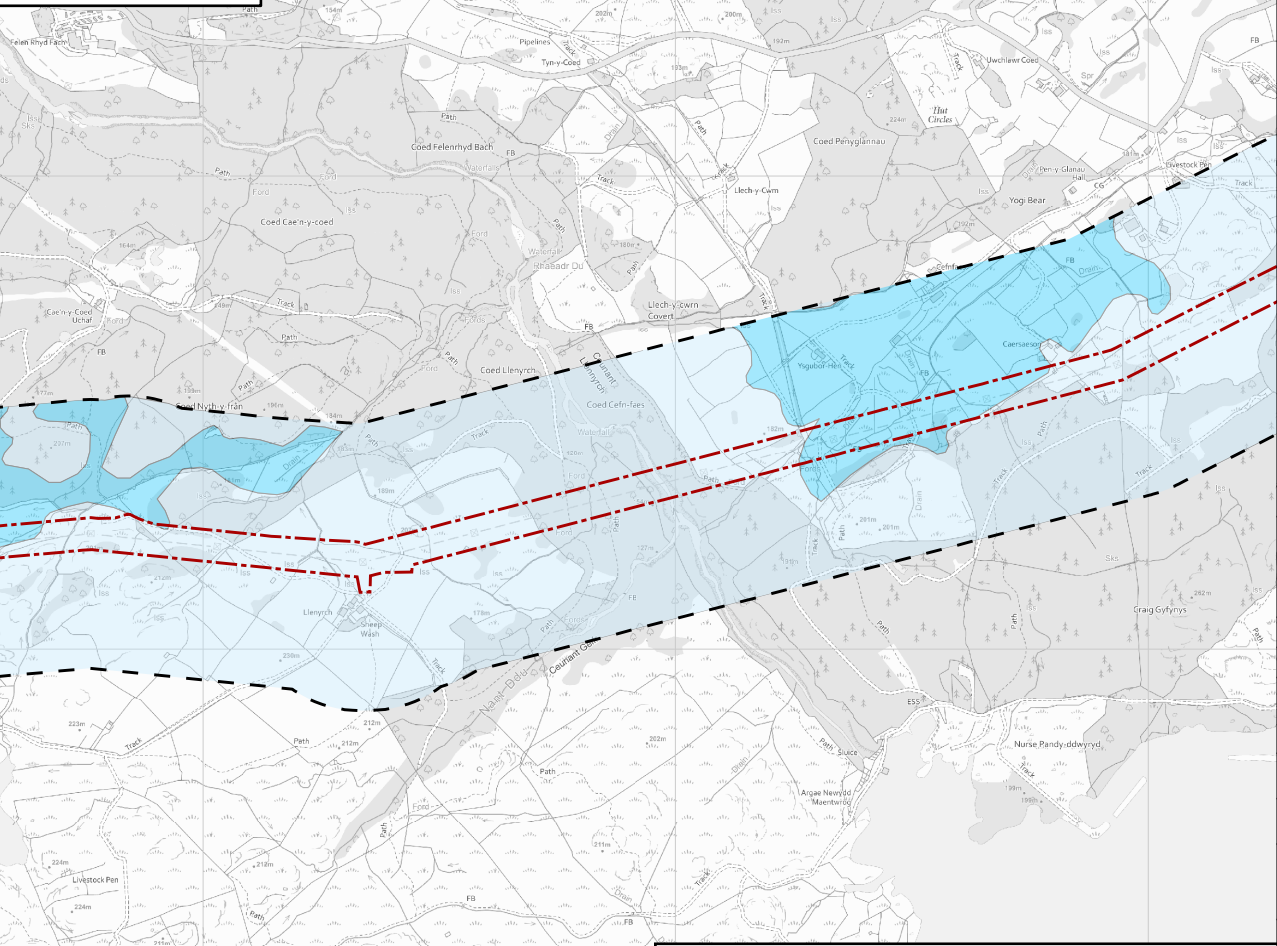
Map 2 - Landslides



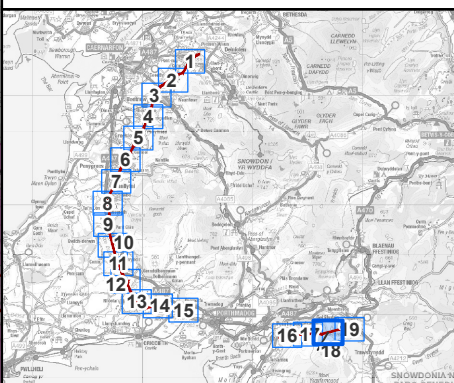
Map 3 - Shrink Swell Clays



Map 4 - Running Sands



WIDER WORKS ROUTE LEGEND



- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Collapsible Deposits**
 - Deposits with potential to collapse when loaded and saturated are believed not to be present.
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NOTES

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Rev	Date	Description	GIS	Chk	App

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WIDER WORKS

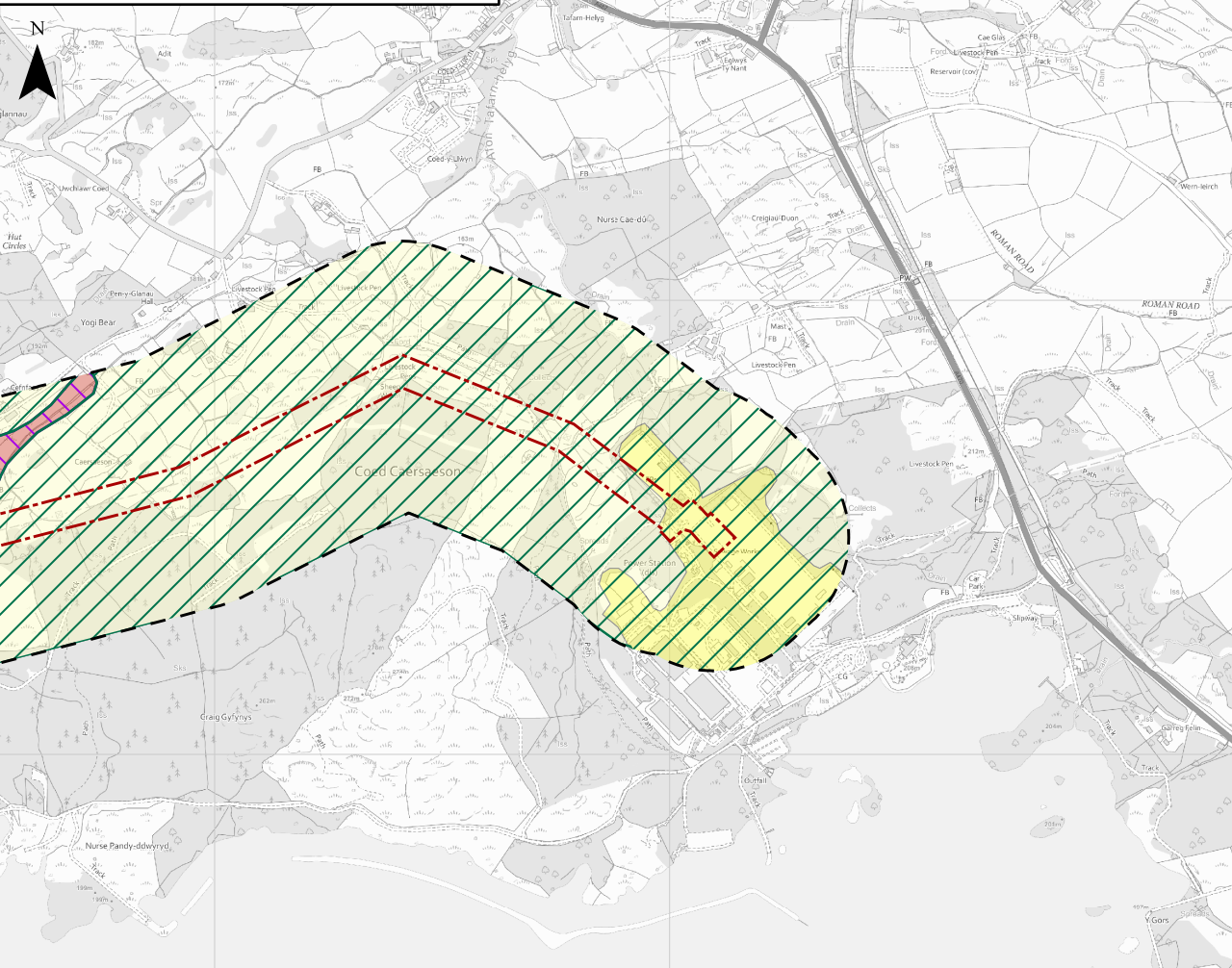
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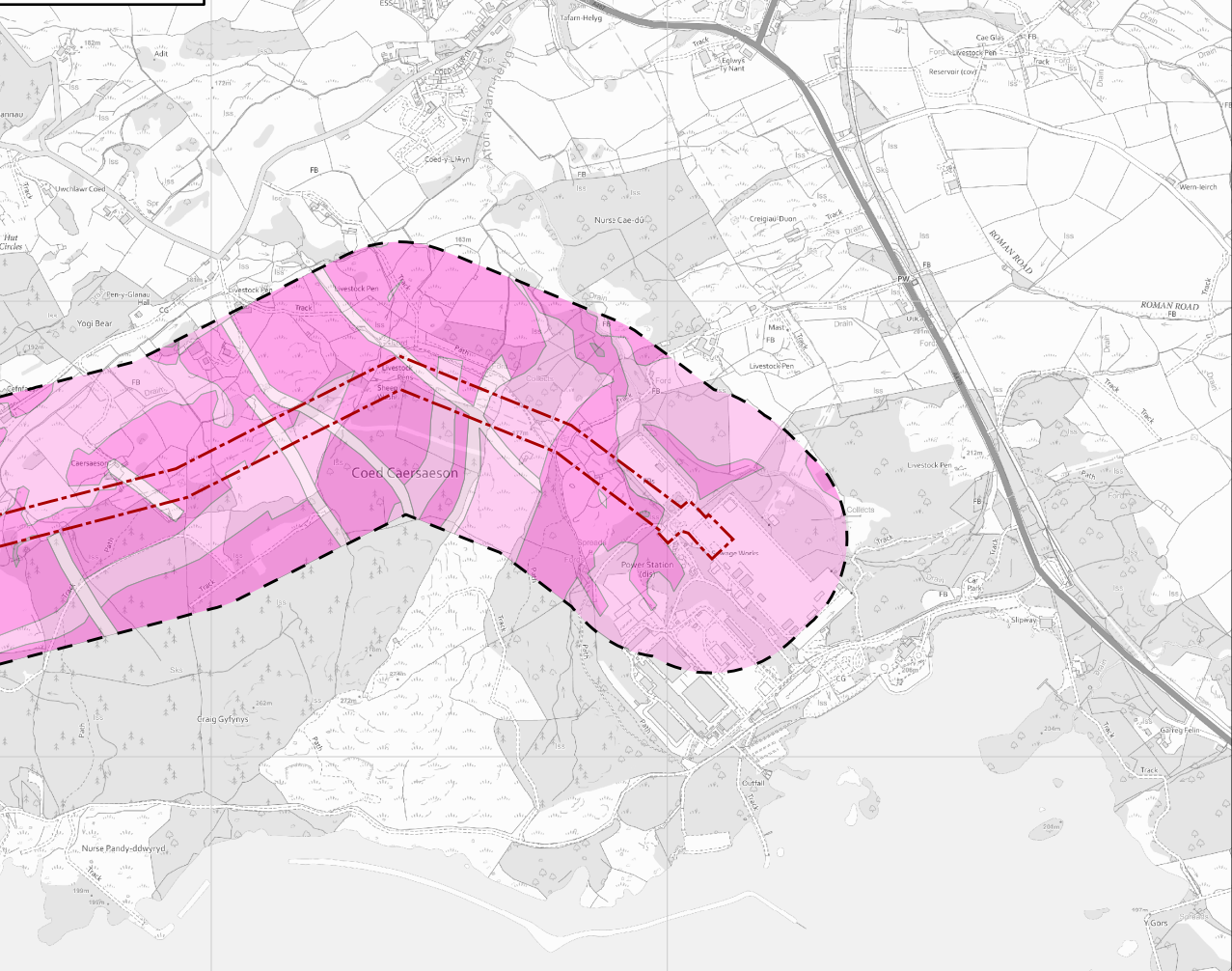
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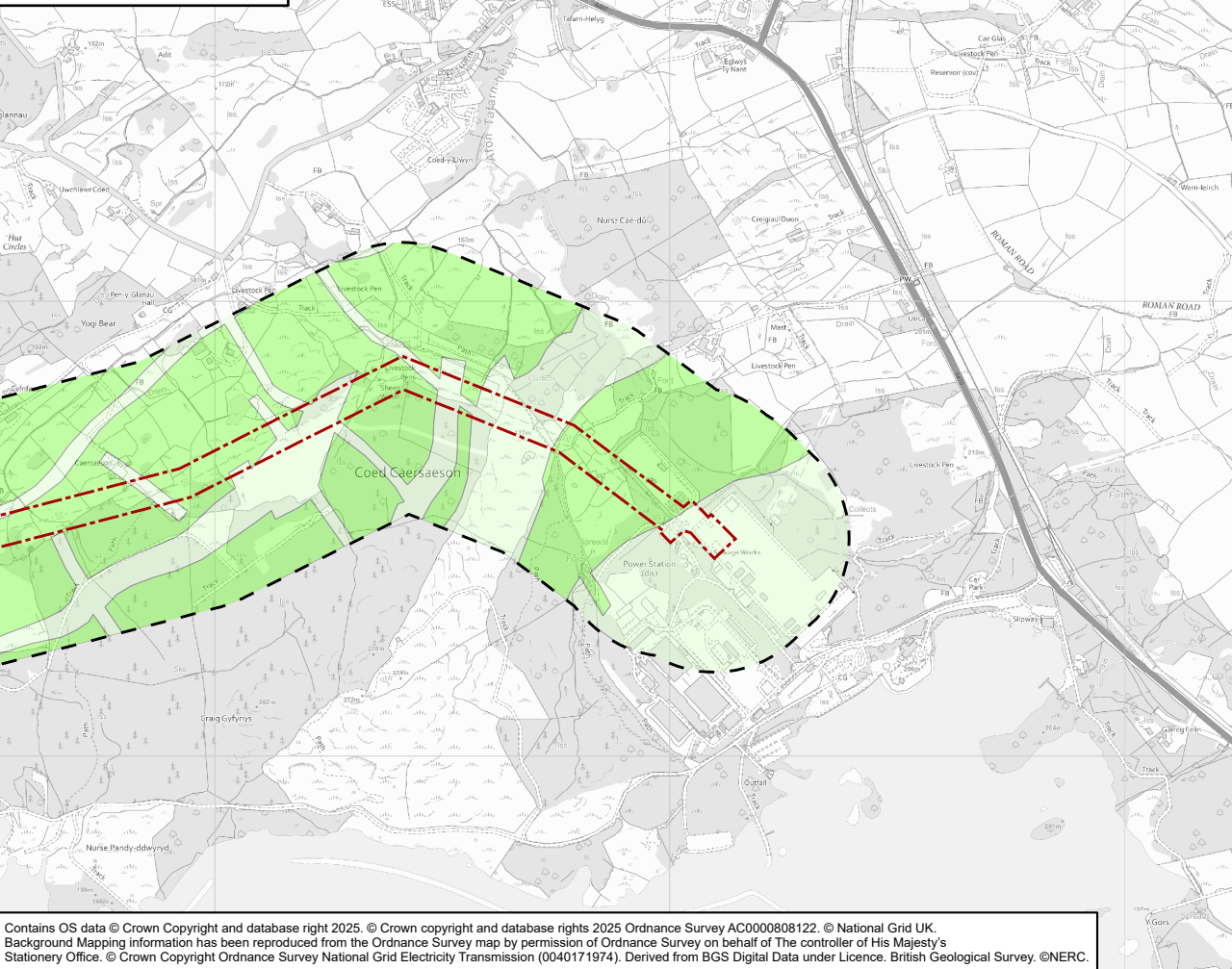
Map 1 - Collapsible and Compressible Deposits



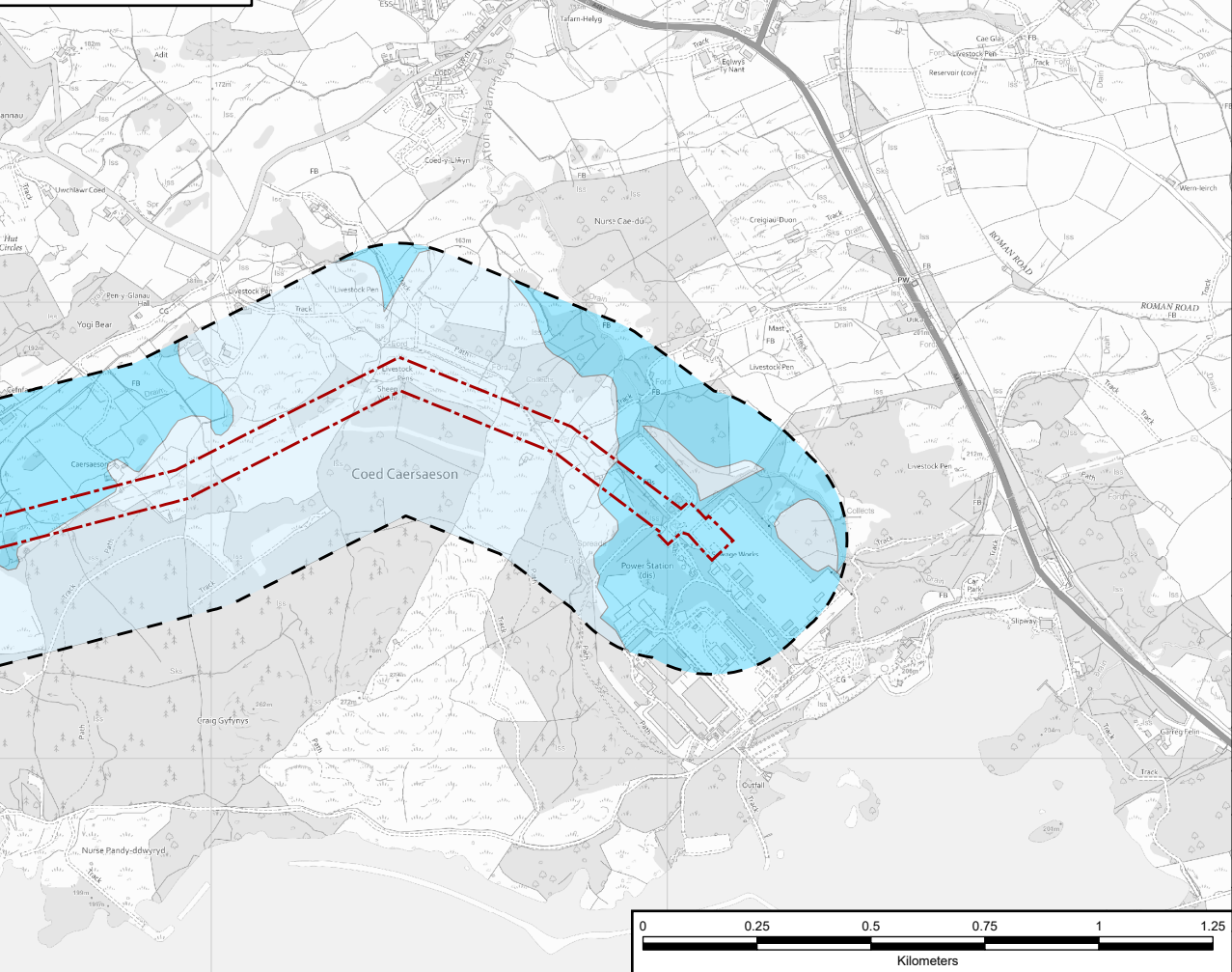
Map 2 - Landslides



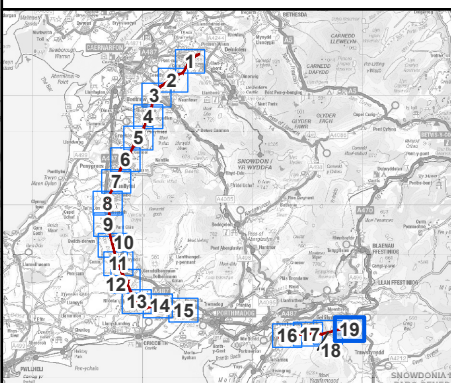
Map 3 - Shrink Swell Clays



Map 4 - Running Sands



WIDER WORKS ROUTE LEGEND



- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Collapsible Deposits**
 - Deposits with potential to collapse when loaded and saturated are believed not to be present.
 - Deposits with potential to collapse when loaded and saturated are unlikely to be present.
 - Compressible Deposits**
 - Compressible strata are not thought to occur.
 - Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.
 - Highly compressible strata present. Significant constraint on land use depending on thickness.
 - Landslides**
 - Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
 - Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
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NOTES

1. Ground stability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	18/08/2025	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

nationalgrid

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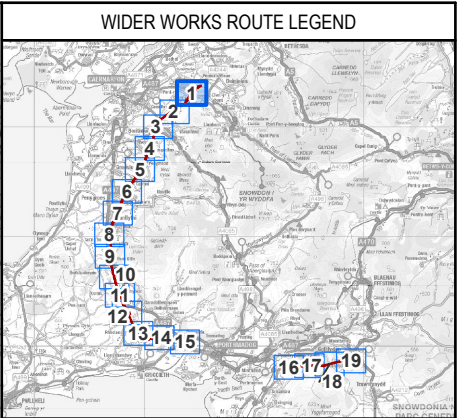
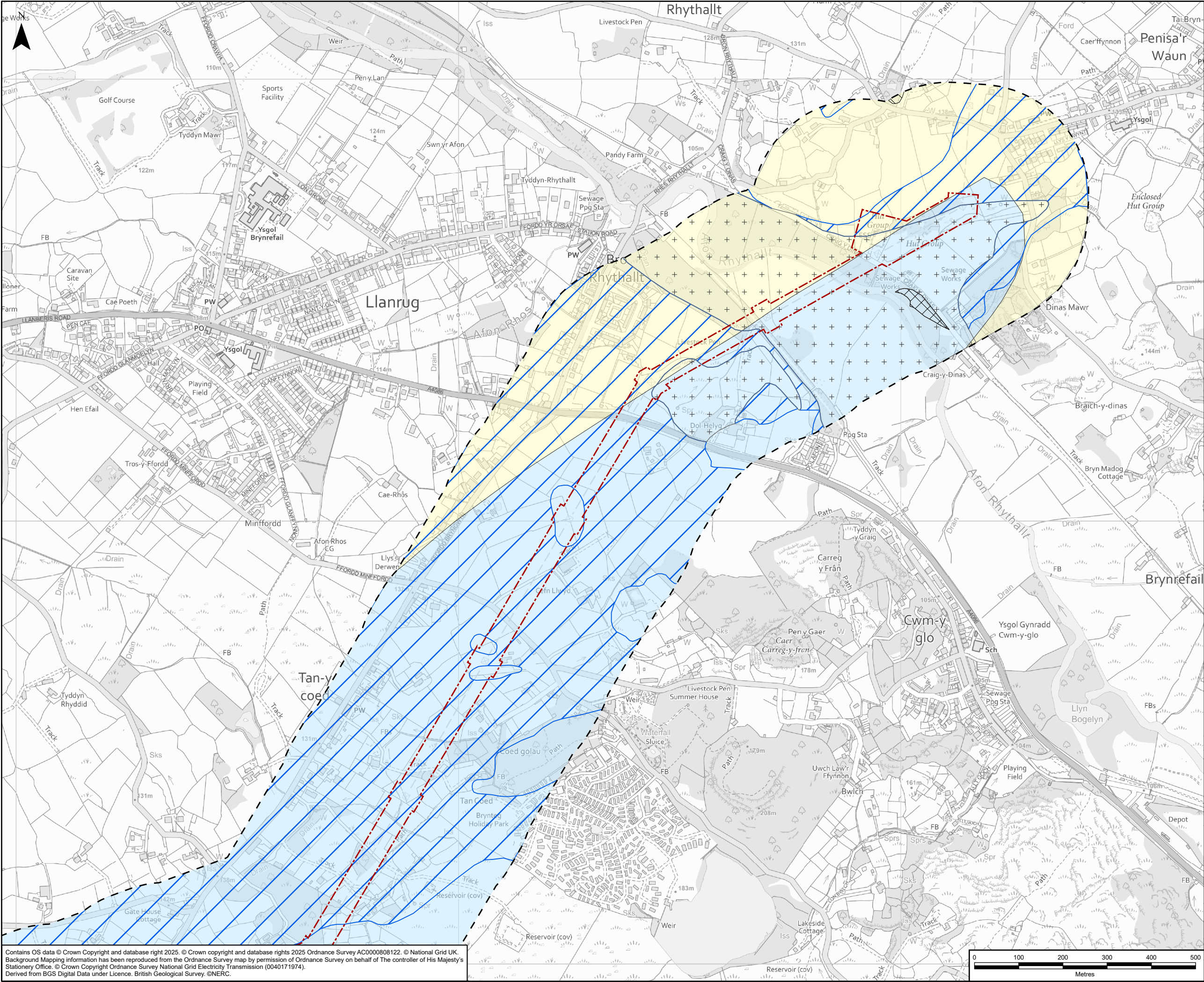
Volume: VOLUME 8: APPENDICES
WIDER WORKS

Document Title: FIGURE 6.A.3
GROUND STABILITY

Creator: LP	Date: 18/08/2025	Checker: SB	Date: 18/08/2025	Approver: NL	Date: 18/08/2025
Document Type: FIGURE	Scale: 1:16,000	Format: A3	Sheets: 19 OF 19	Rev: A	

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary

BGS Hydrogeology

- Superficial Unproductive Aquifer
- Superficial Secondary A Aquifer
- Superficial Secondary Undifferentiated Aquifer
- Bedrock Secondary A Aquifer
- Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	11/08/2025	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

nationalgrid

Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT

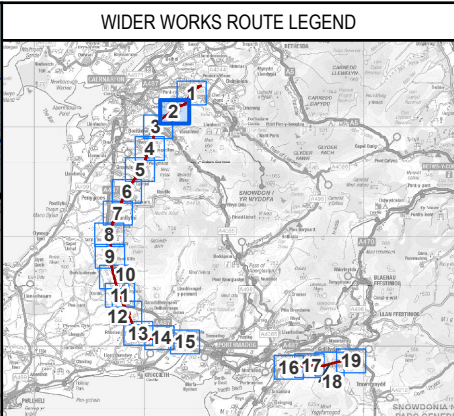
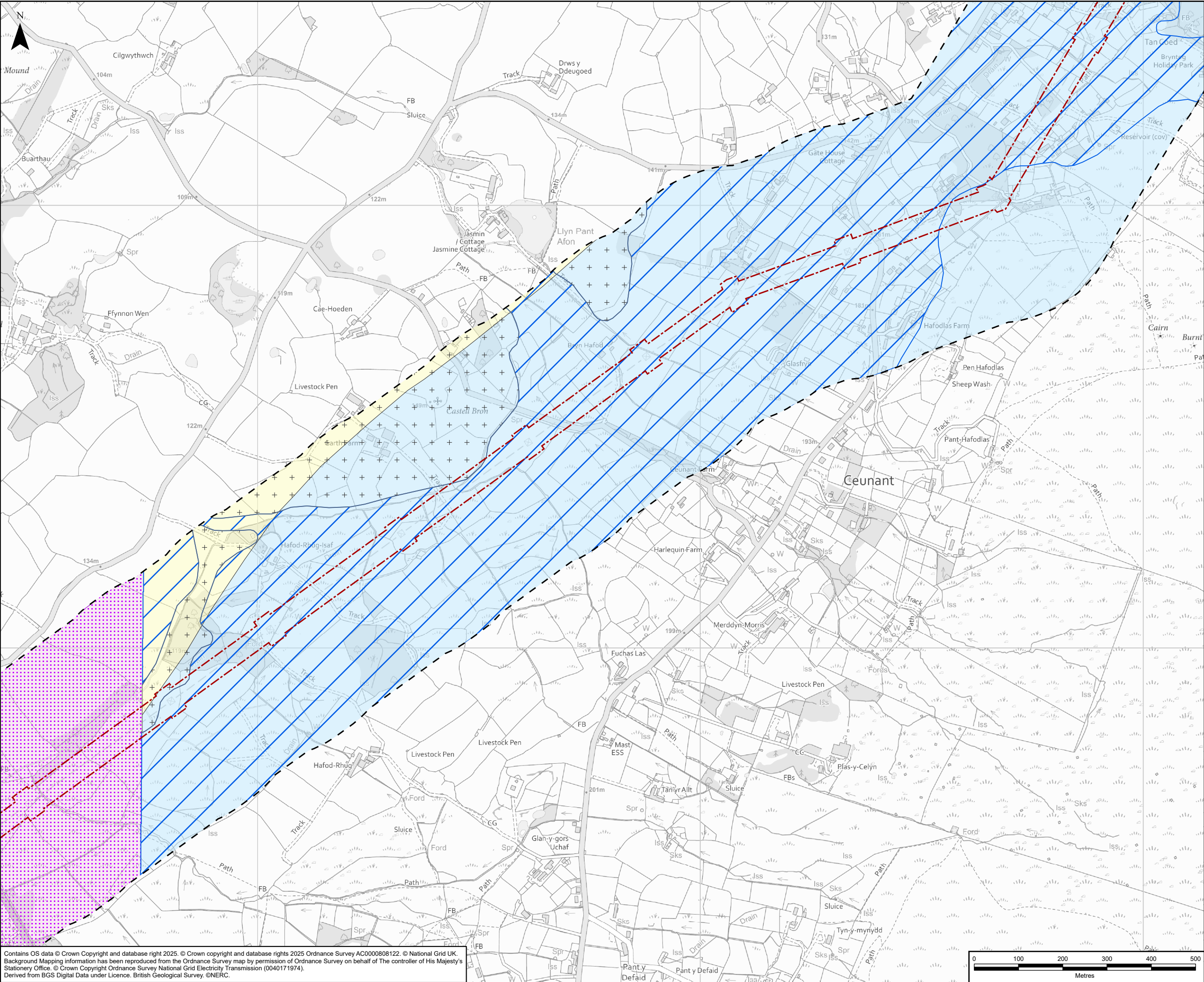
Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.4 HYDROGEOLOGY

Creator:	Date:	Checker:	Date:	Approver:	Date:
LP	11/08/2025	SB	11/08/2025	NL	11/08/2025

Document Type:	Scale:	Format:	Sheets:	Rev:
FIGURE	1:8,000	A3	1 OF 19	A

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary

BGS Hydrogeology

- Superficial Secondary A Aquifer
- Superficial Secondary Undifferentiated Aquifer
- Superficial Unknown Aquifer
- Bedrock Secondary Undifferentiated Aquifer
- Bedrock Secondary A Aquifer
- Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	11/08/2025	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

nationalgrid

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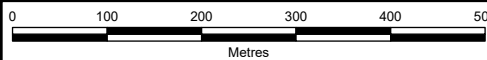
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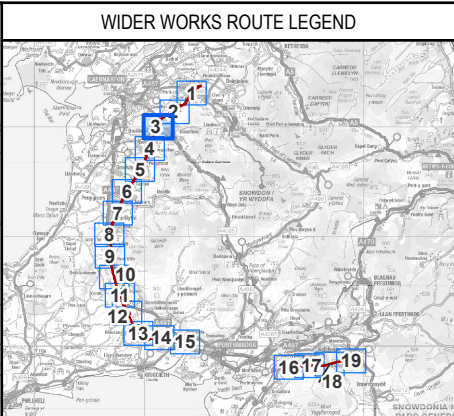
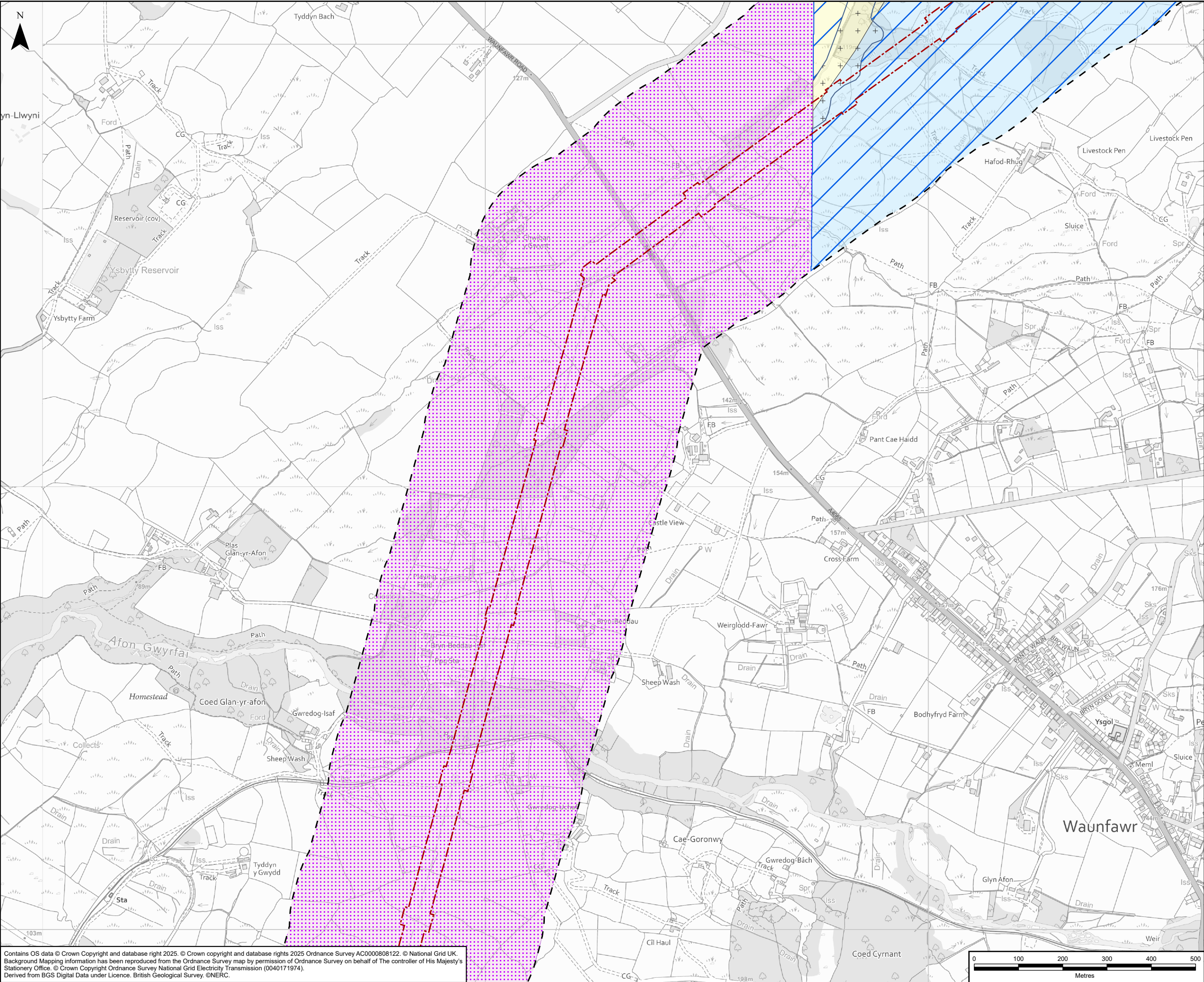
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LP	11/08/2025	SB	11/08/2025	NL	11/08/2025

Document Type:	Scale:	Format:	Sheets:	Rev:
FIGURE	1:8,000	A3	2 OF 19	A

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary

BGS Hydrogeology

- Superficial Secondary A Aquifer
- Superficial Secondary Undifferentiated Aquifer
- Superficial Unknown Aquifer
- Bedrock Secondary Undifferentiated Aquifer
- Bedrock Secondary A Aquifer
- Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

Rev	Date	Description	GIS	Chk	App
A	11/08/2025	Environmental Statement	LP	SB	NL

nationalgrid

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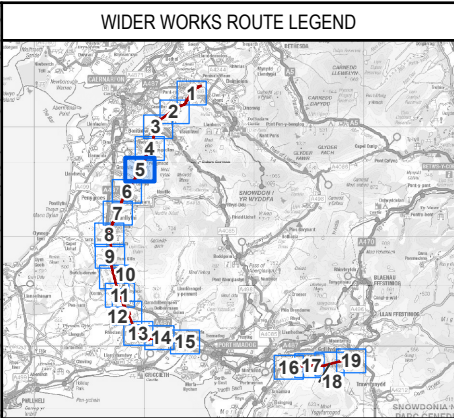
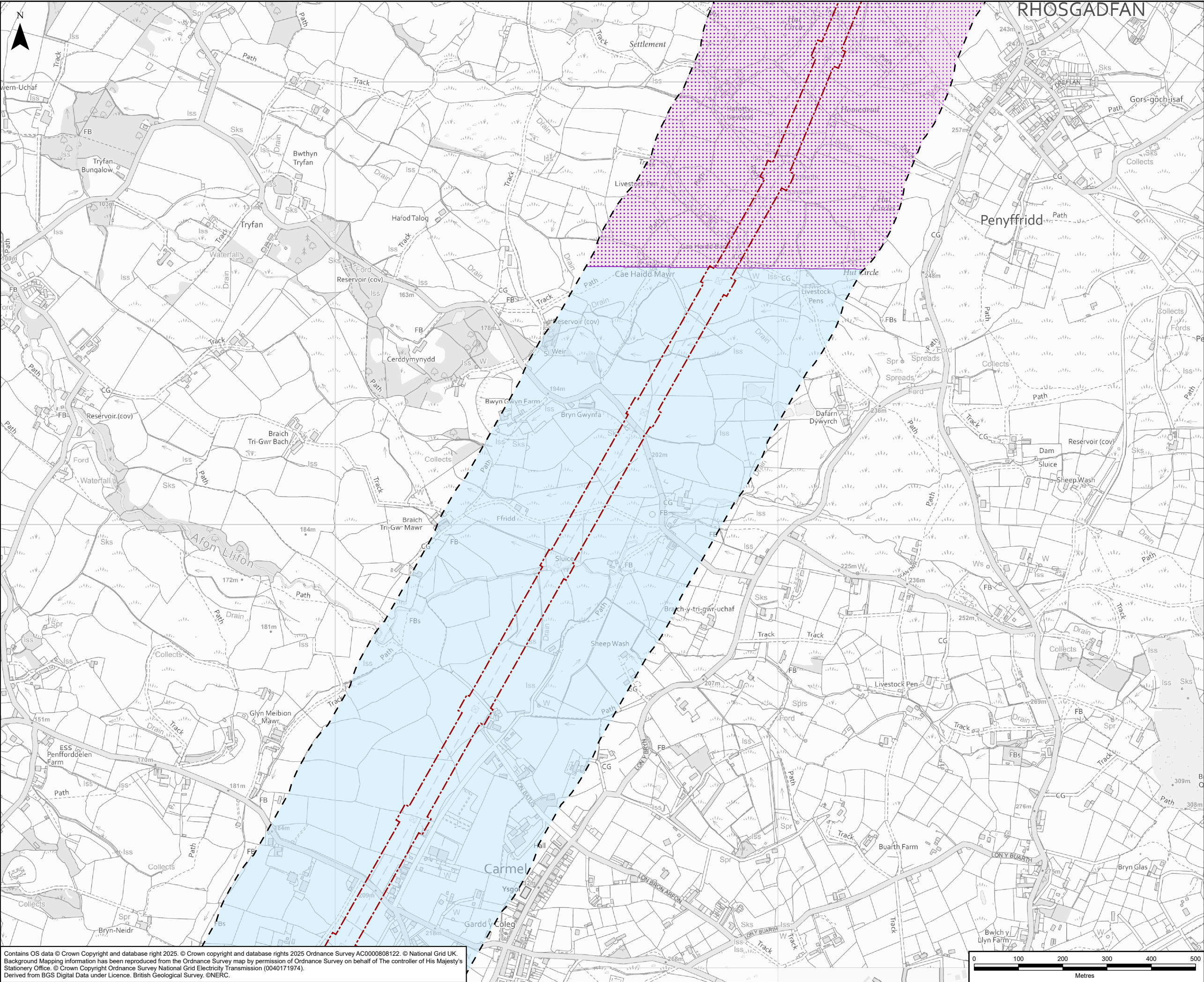
Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.4 HYDROGEOLOGY

Creator:	Date:	Checker:	Date:	Approver:	Date:
LP	11/08/2025	SB	11/08/2025	NL	11/08/2025

Document Type:	Scale:	Format:	Sheets:	Rev:
FIGURE	1:8,000	A3	3 OF 19	A

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- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Superficial Unknown Aquifer
 - Bedrock Secondary Undifferentiated Aquifer
 - Bedrock Secondary A Aquifer

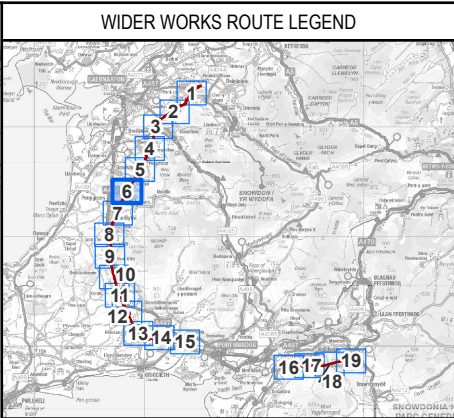
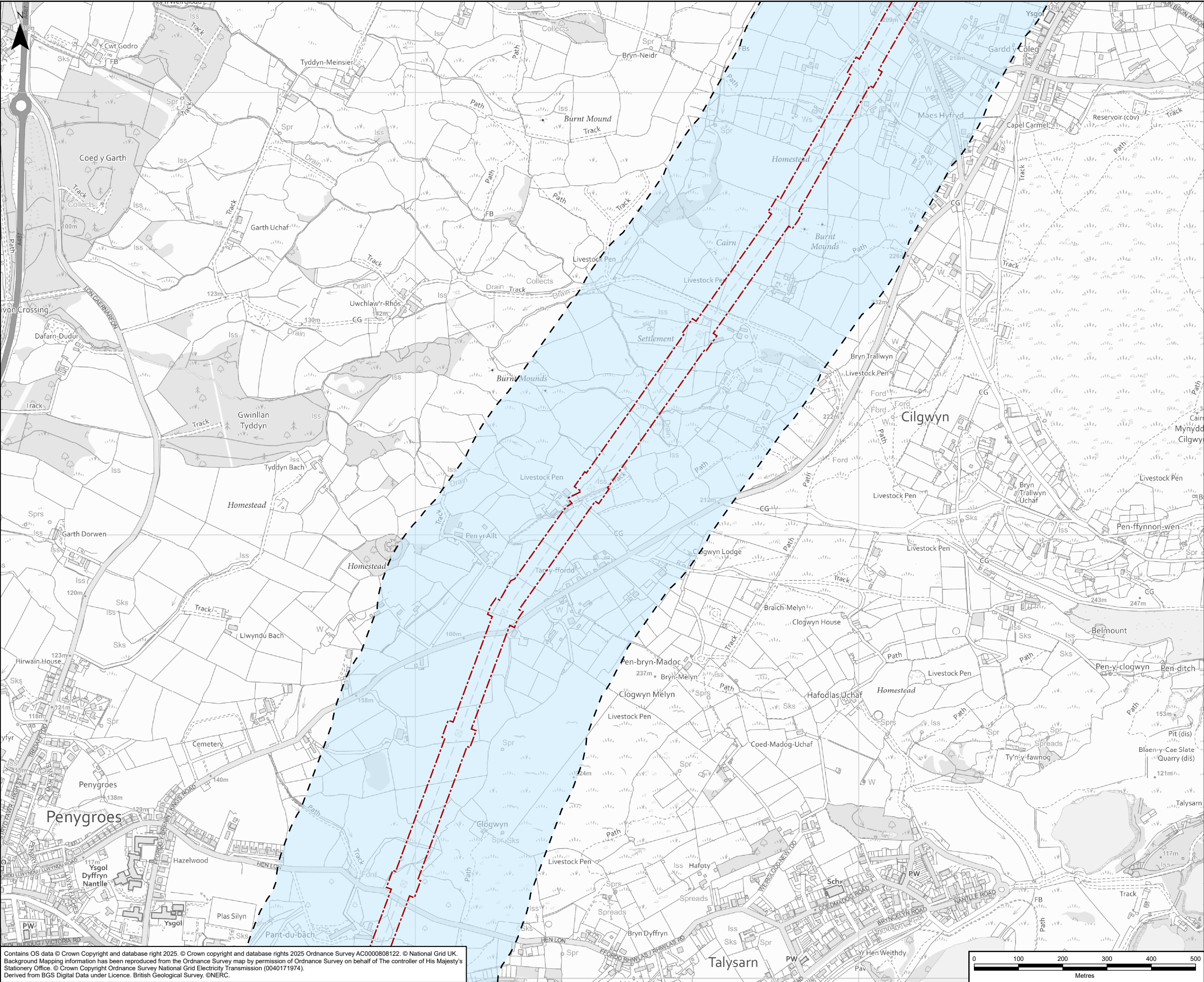
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A	11/08/2025	Environmental Statement	LP	SB	NL

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Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT					
Volume: VOLUME 8: APPENDICES WIDER WORKS					
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Document Type: FIGURE	Scale: 1:8,000	Format: A3	Sheets: 5 OF 19	Rev: A	

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- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Bedrock Secondary A Aquifer

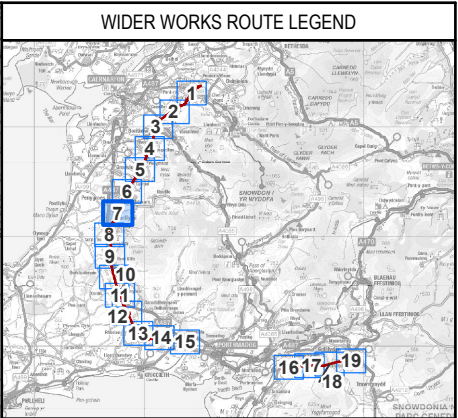
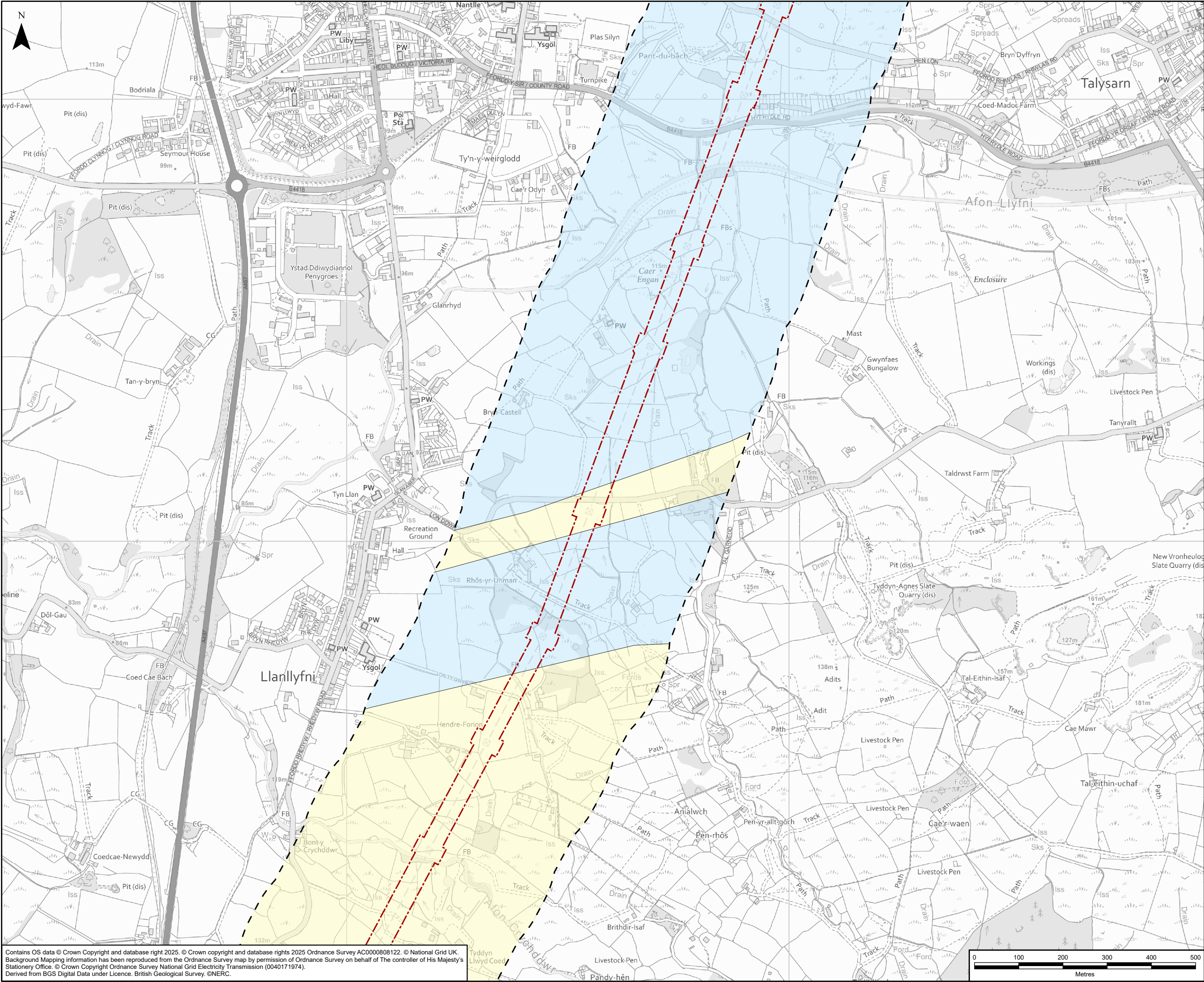
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Rev	Date	Description	GIS	Chk	App

nationalgrid					
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Volume: VOLUME 8: APPENDICES WIDER WORKS					
Document Title: FIGURE 6.A.4 HYDROGEOLOGY					
Creator: LP	Date: 11/08/2025	Checker: SB	Date: 11/08/2025	Approver: NL	Date: 11/08/2025
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- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Bedrock Secondary A Aquifer
 - Bedrock Secondary B Aquifer

NOTES

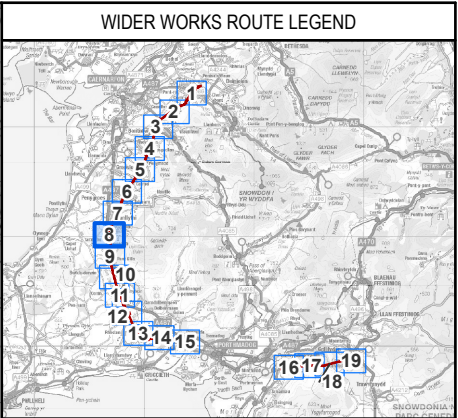
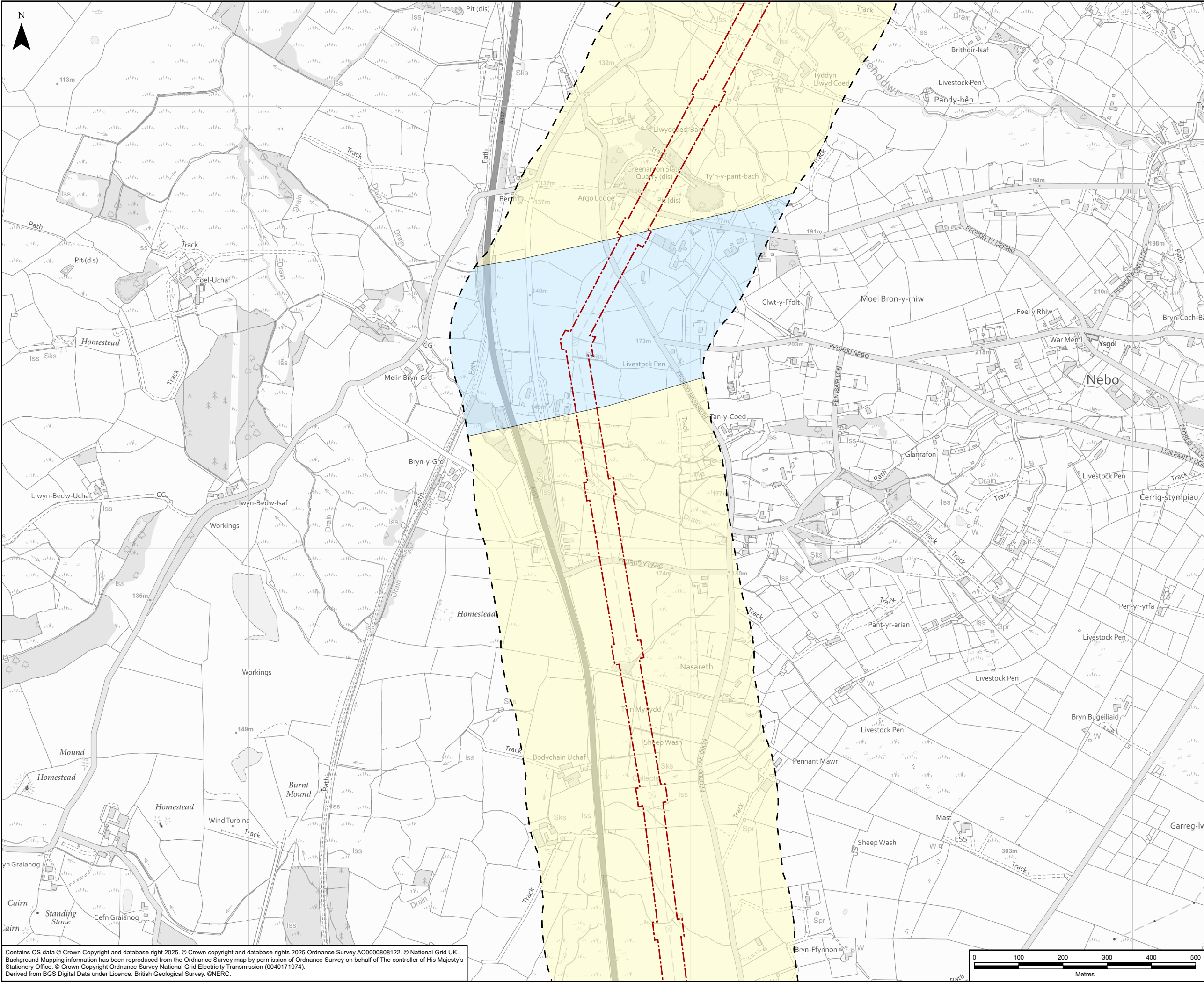
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Rev	Date	Description	GIS	Chk	App

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Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT					
Volume: VOLUME 8: APPENDICES WIDER WORKS					
Document Title: FIGURE 6.A.4 HYDROGEOLOGY					
Creator: LP	Date: 11/08/2025	Checker: SB	Date: 11/08/2025	Approver: NL	Date: 11/08/2025
Document Type: FIGURE	Scale: 1:8,000	Format: A3	Sheets: 7 OF 19	Rev: A	

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- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Bedrock Secondary A Aquifer
 - Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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Rev	Date	Description	GIS	Chk	App

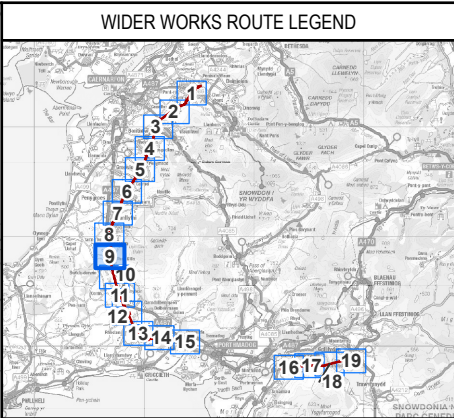
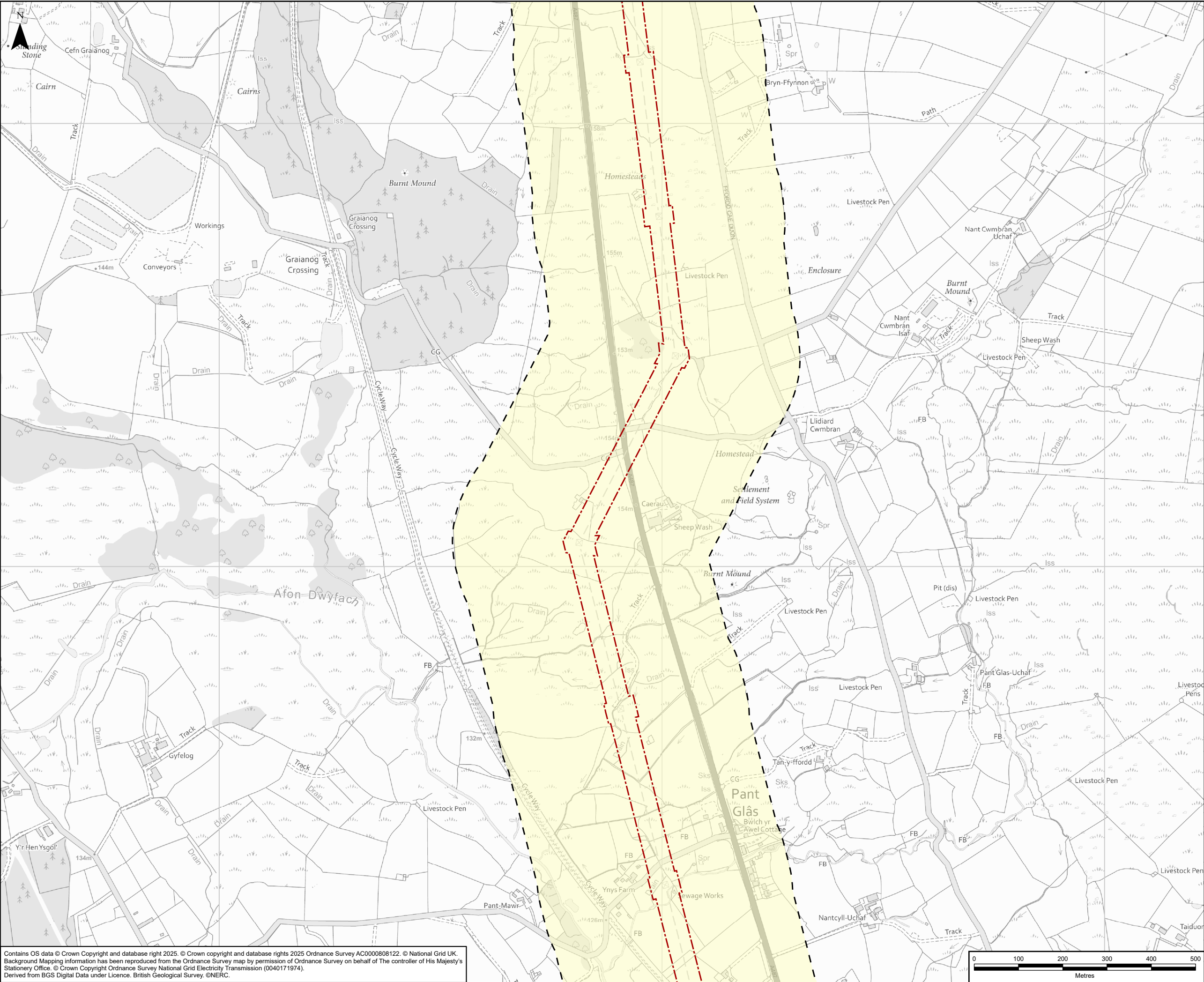
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Volume: VOLUME 8: APPENDICES
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Document Title: FIGURE 6.A.4
HYDROGEOLOGY

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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Rev	Date	Description	GIS	Chk	App

nationalgrid

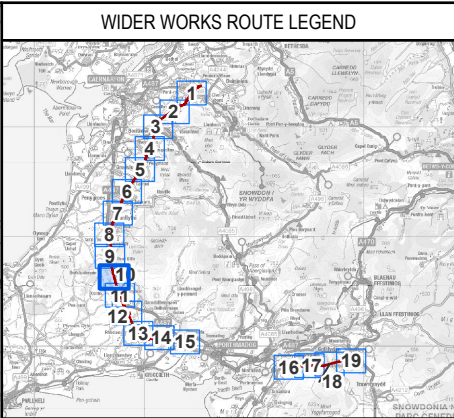
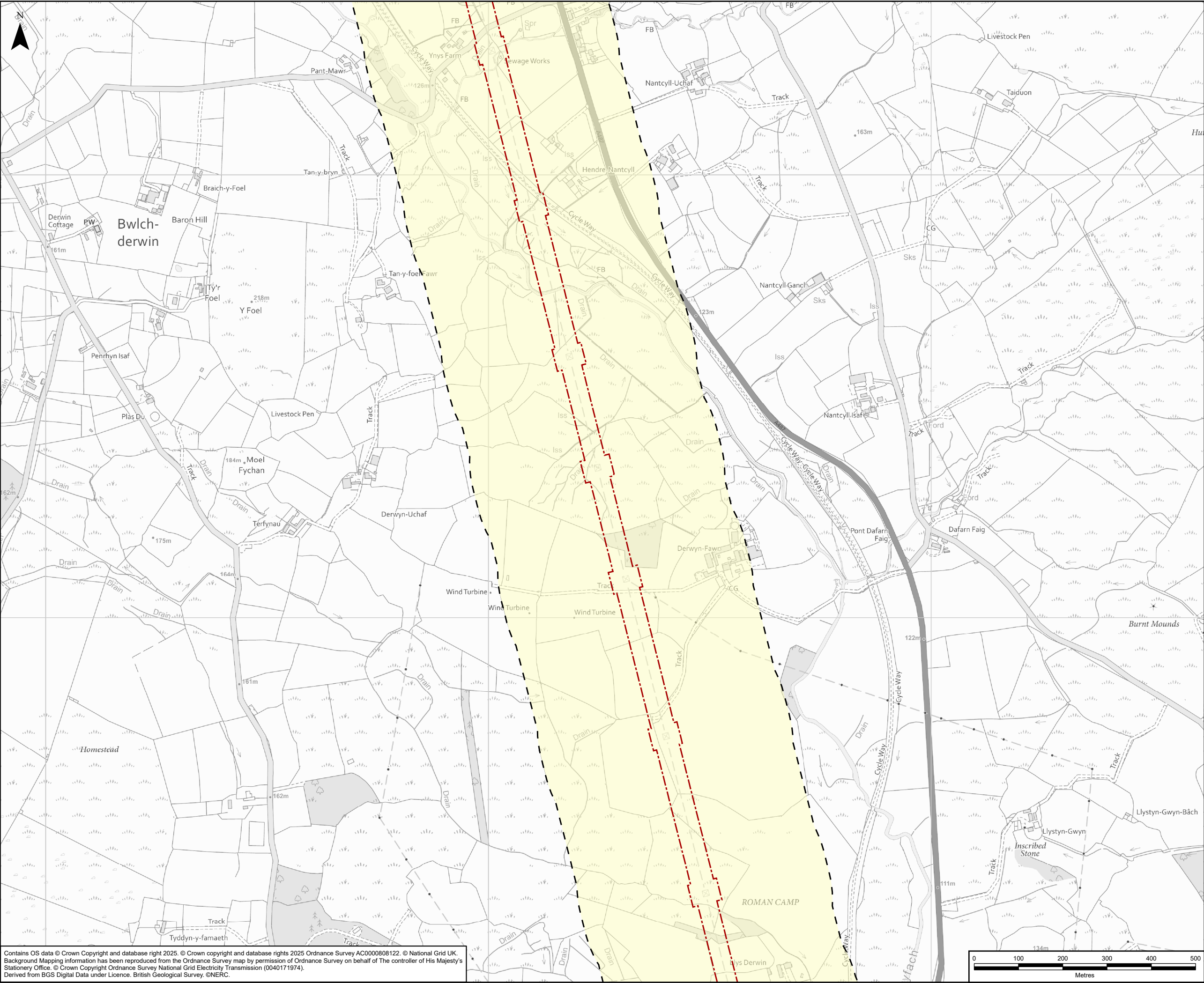
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Volume: VOLUME 8: APPENDICES
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Document Title: FIGURE 6.A.4
HYDROGEOLOGY

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Document Type: FIGURE	Scale: 1:8,000	Format: A3	Sheets: 9 OF 19	Rev: A	

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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nationalgrid

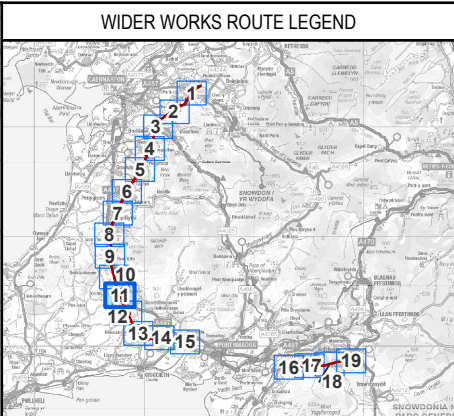
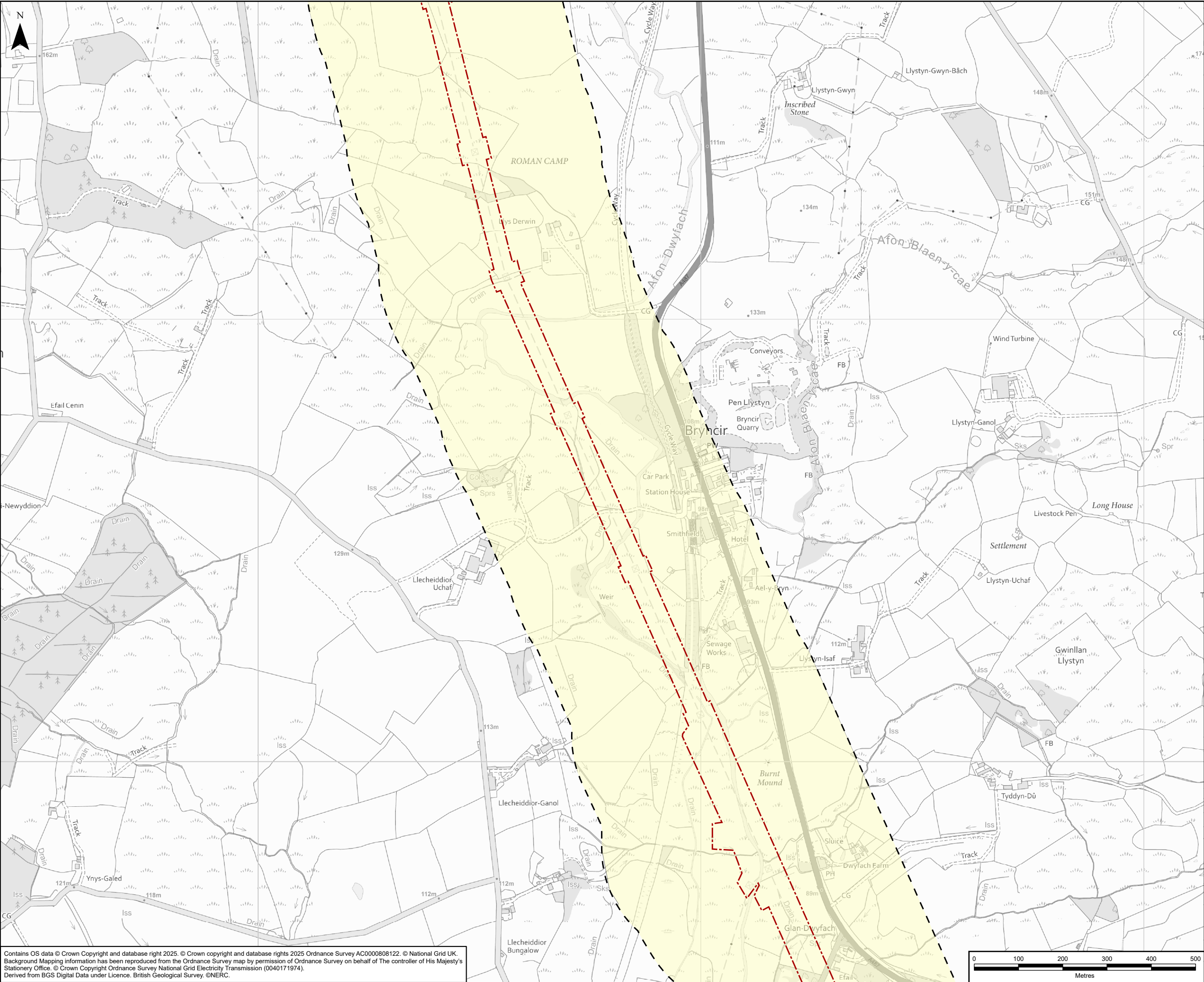
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Volume: VOLUME 8: APPENDICES
WIDER WORKS

Document Title: FIGURE 6.A.4
HYDROGEOLOGY

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- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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nationalgrid

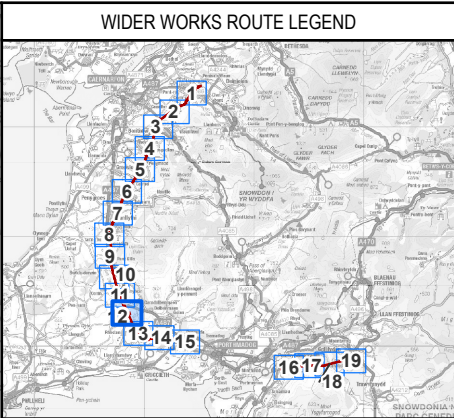
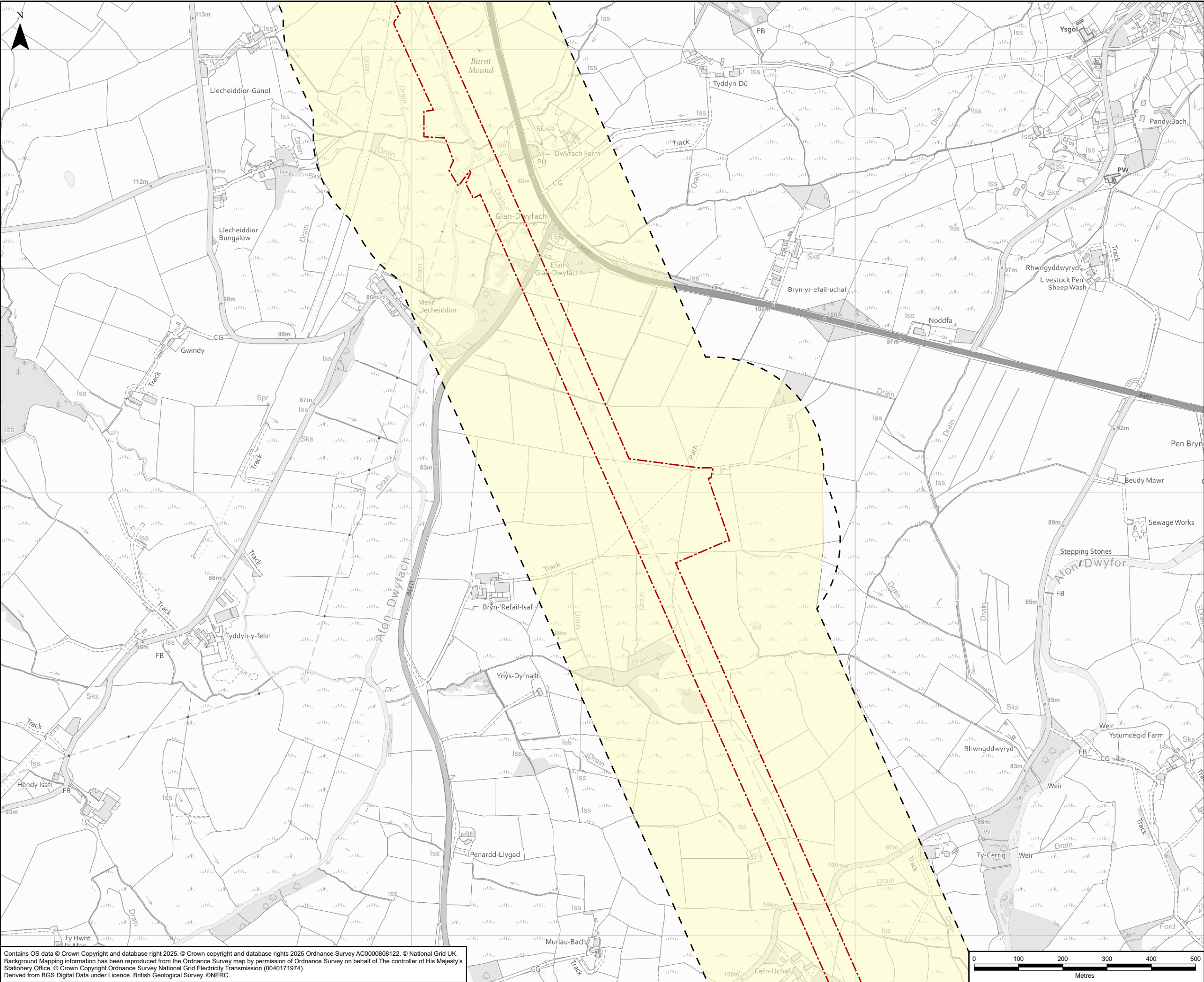
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Volume: VOLUME 8: APPENDICES
WIDER WORKS

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HYDROGEOLOGY

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Document Type: FIGURE	Scale: 1:8,000	Format: A3	Sheets: 11 OF 19	Rev: A	

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- Legend**
- Indicative Wider Works Site Boundary
 - 250m Buffer of Indicative Wider Works Site Boundary
 - Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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Rev	Date	Description	GIS	Chk	App

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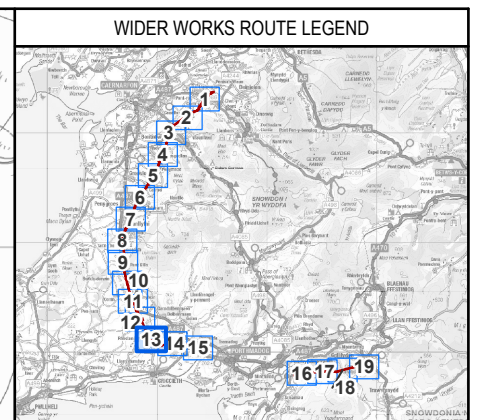
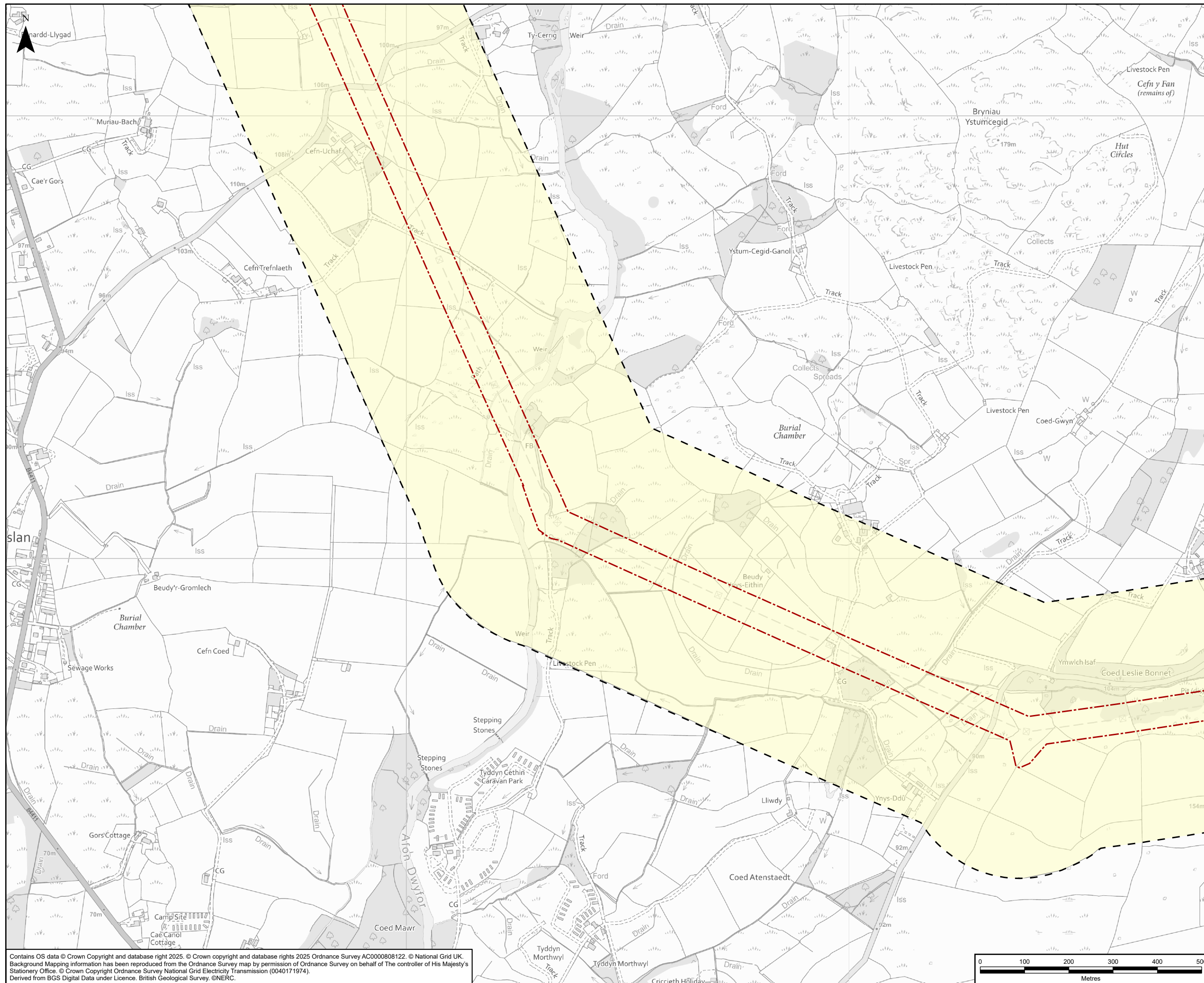
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Volume: VOLUME 8: APPENDICES
WIDER WORKS




Document Title: FIGURE 6.A.4
HYDROGEOLOGY

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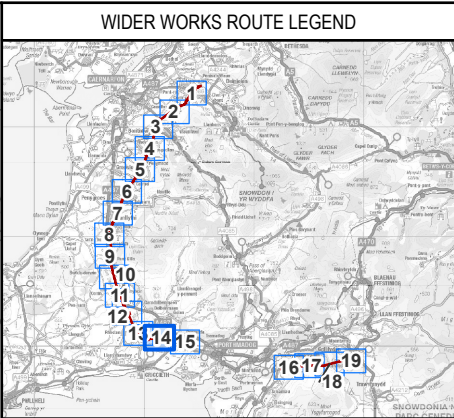
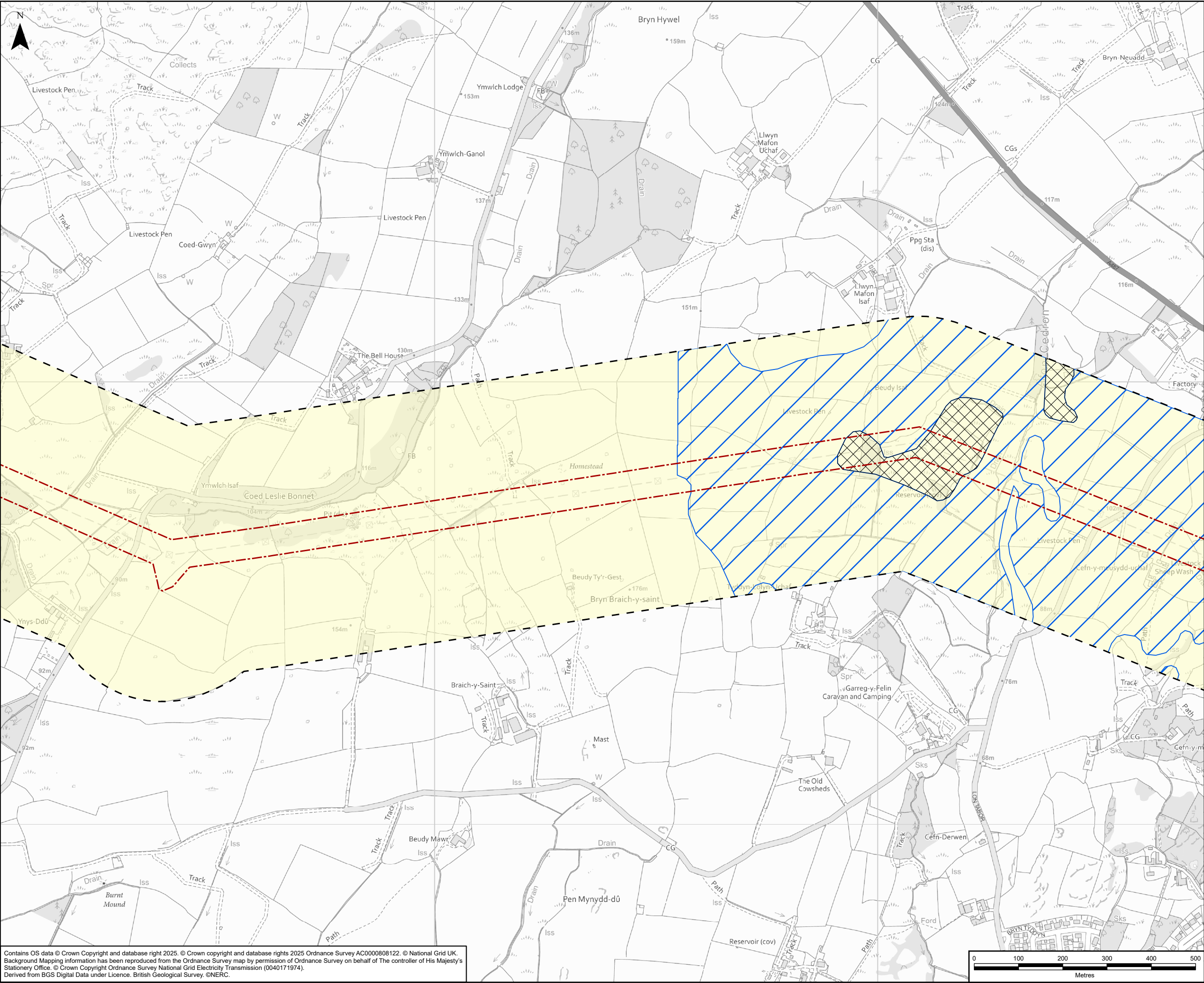
Legend

-  Indicative Wider Works Site Boundary
-  250m Buffer of Indicative Wider Works Site Boundary
-  Bedrock Secondary B Aquifer

NOTES
1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	11/08/2025	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

						
Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT						
Volume: VOLUME 8: APPENDICES WIDER WORKS						
Document Title: FIGURE 6.A.4 HYDROGEOLOGY						
Creator: LP	Date: 11/08/2025	Checker: SB	Date: 11/08/2025	Approver: NL	Date: 11/08/2025	
Document Type: FIGURE	Scale: 1:8,000	Format: A3	Sheets: 13 OF 19		Rev: A	



Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Hydrogeology**
 - Superficial Unproductive Aquifer
 - Superficial Secondary Undifferentiated Aquifer
 - Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	11/08/2025	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

nationalgrid

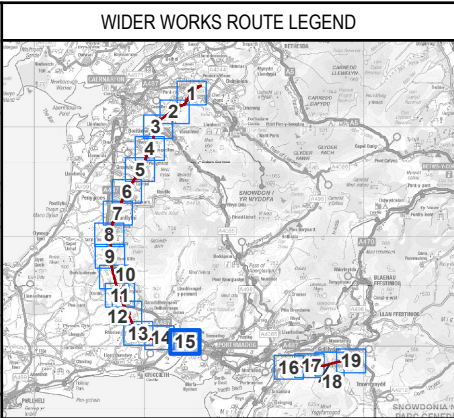
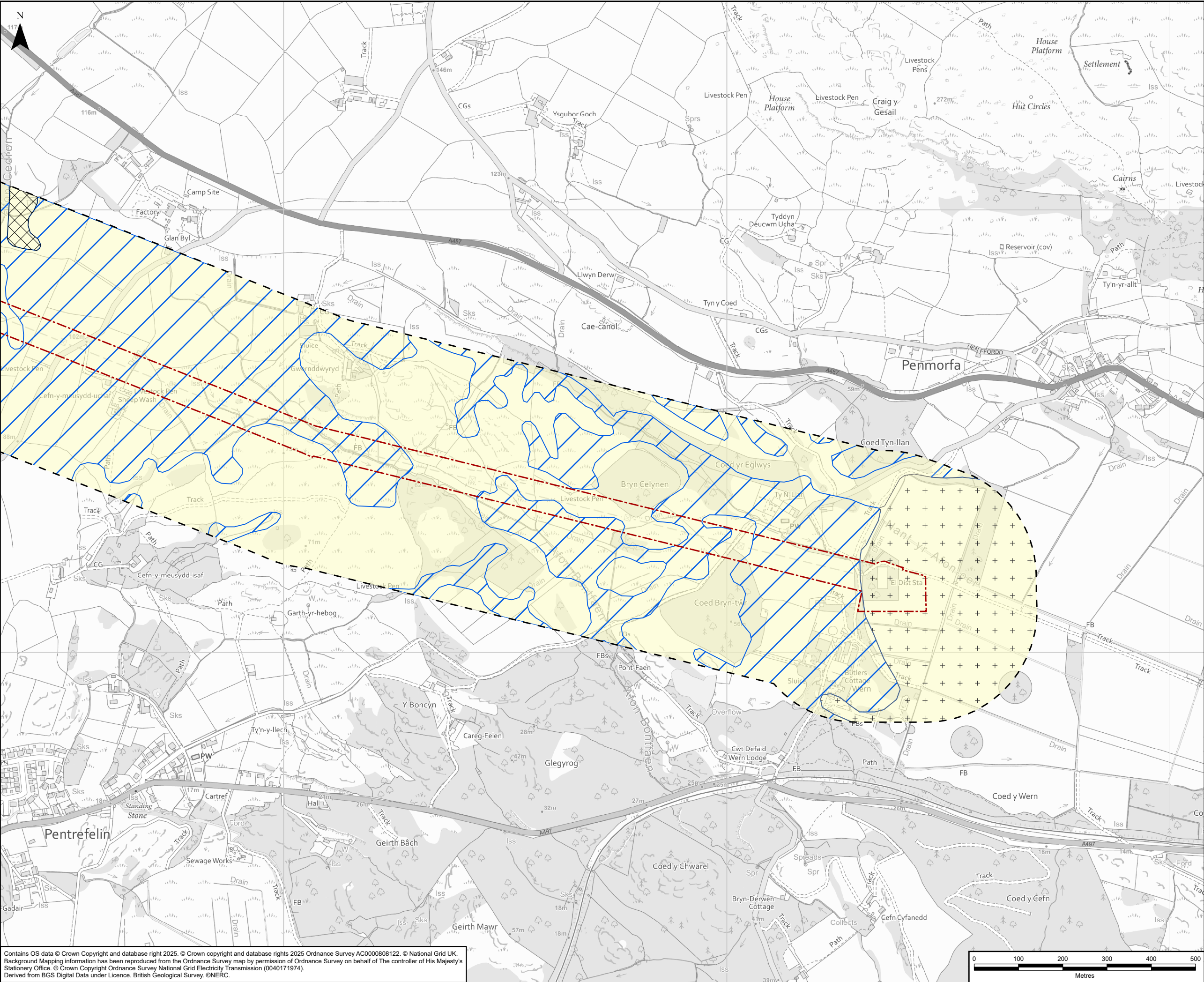
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Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.4 HYDROGEOLOGY

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary

BGS Hydrogeology

- Superficial Unproductive Aquifer
- Superficial Secondary A Aquifer
- Superficial Secondary Undifferentiated Aquifer
- Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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Rev	Date	Description	GIS	Chk	App

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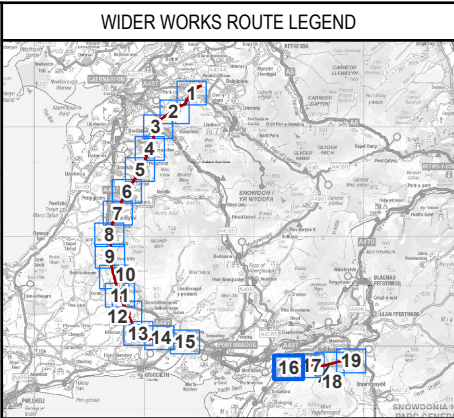
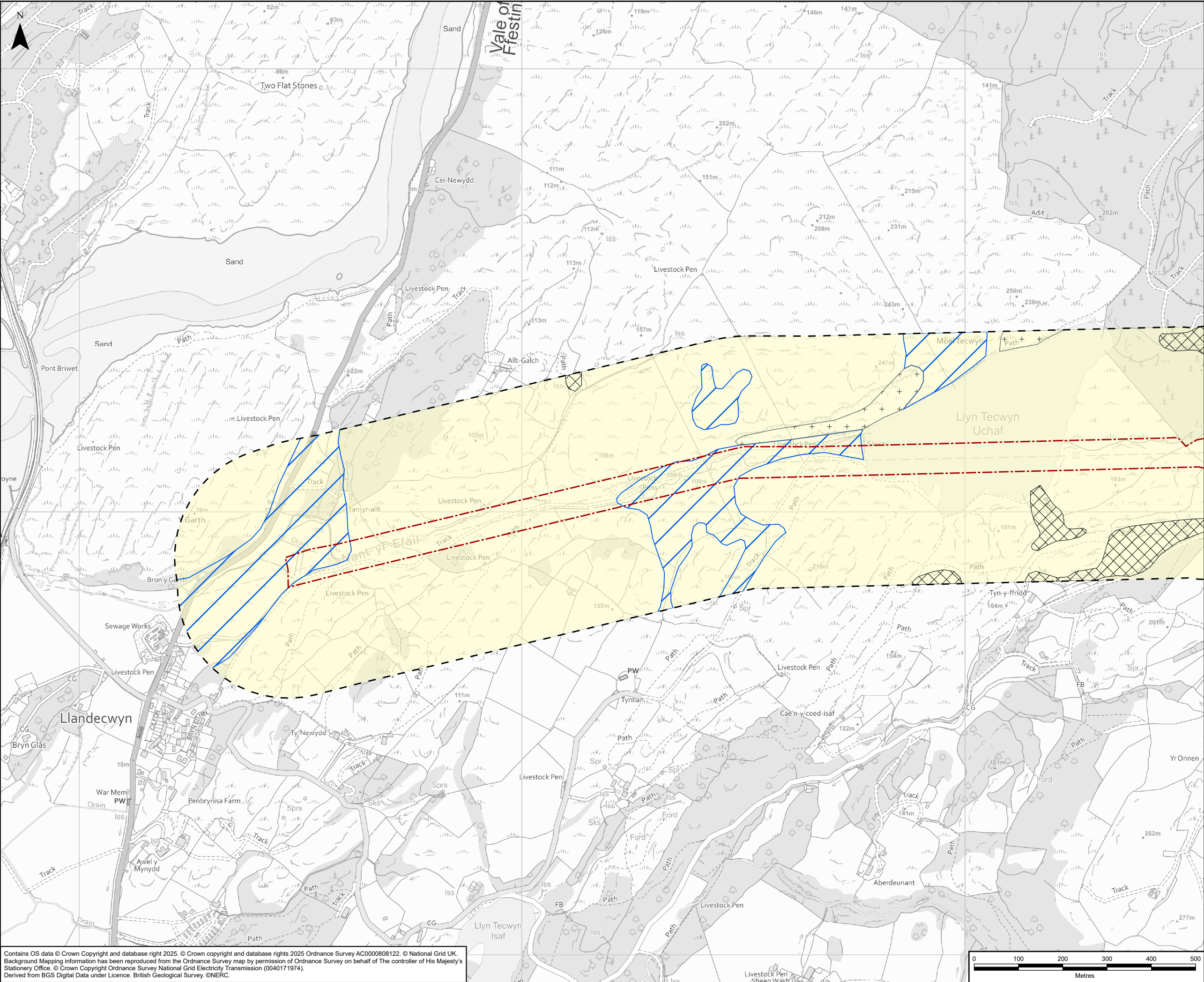
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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Hydrogeology**
 - Superficial Unproductive Aquifer
 - Superficial Secondary A Aquifer
 - Superficial Secondary Undifferentiated Aquifer
 - Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

Rev	Date	Description	GIS	Chk	App
A	11/08/2025	Environmental Statement	LP	SB	NL

nationalgrid

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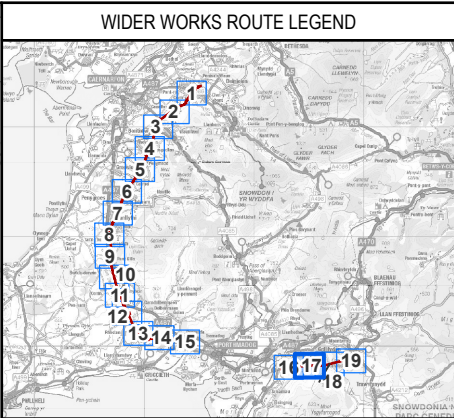
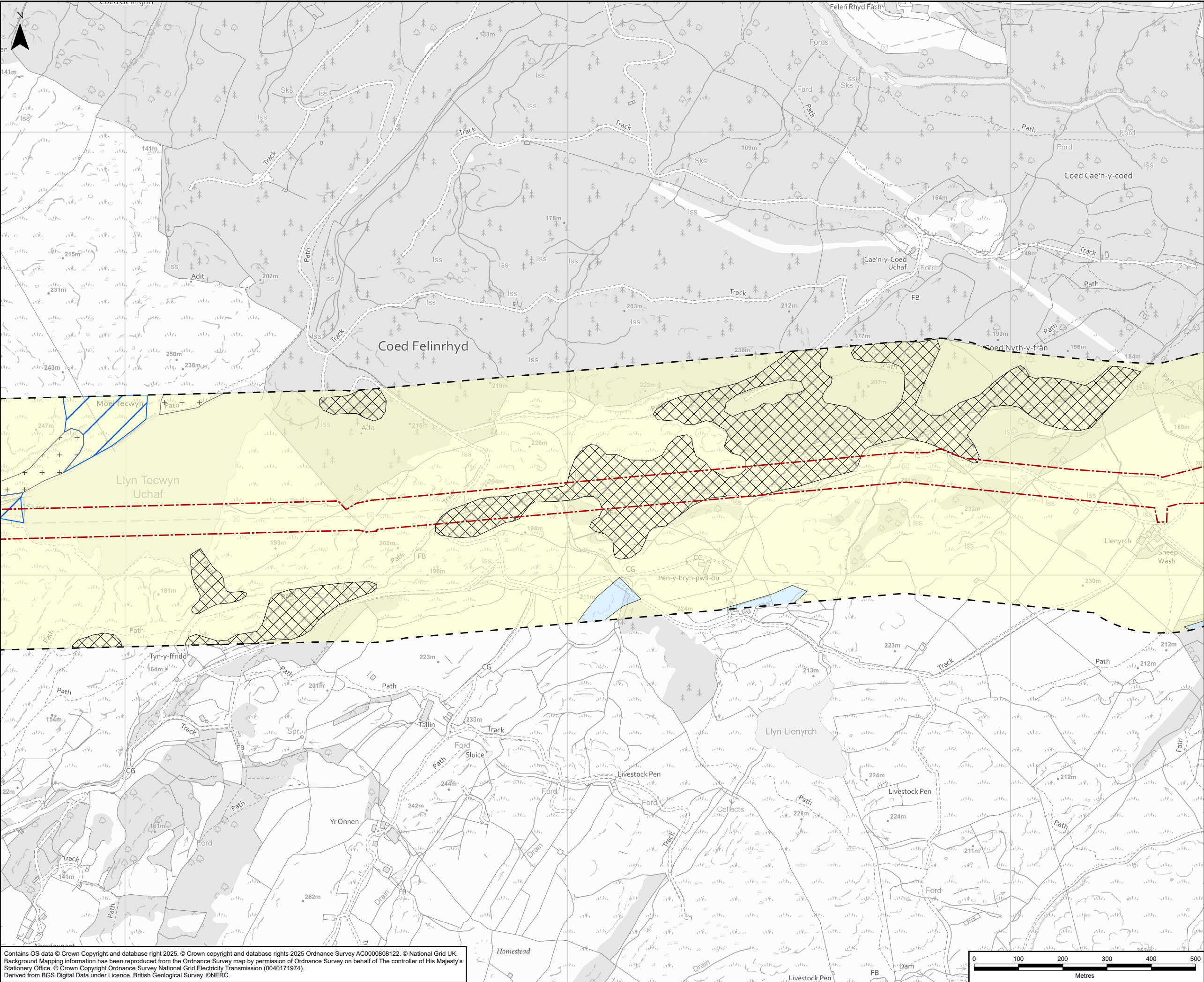
Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.4 HYDROGEOLOGY

Creator:	Date:	Checker:	Date:	Approver:	Date:
LP	11/08/2025	SB	11/08/2025	NL	11/08/2025

Document Type:	Scale:	Format:	Sheets:	Rev:
FIGURE	1:8,000	A3	16 OF 19	A

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Hydrogeology**
- Superficial Unproductive Aquifer
- Superficial Secondary A Aquifer
- Superficial Secondary Undifferentiated Aquifer
- Bedrock Secondary A Aquifer
- Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

Rev	Date	Description	GIS	Chk	App
A	11/08/2025	Environmental Statement	LP	SB	NL

nationalgrid

Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT

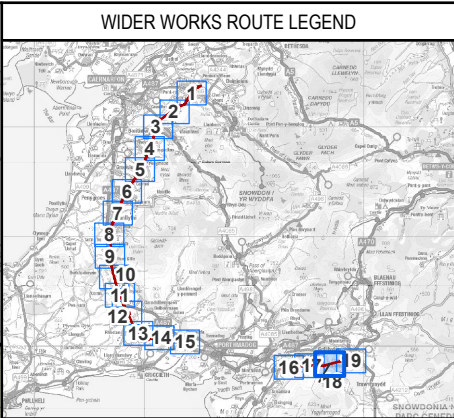
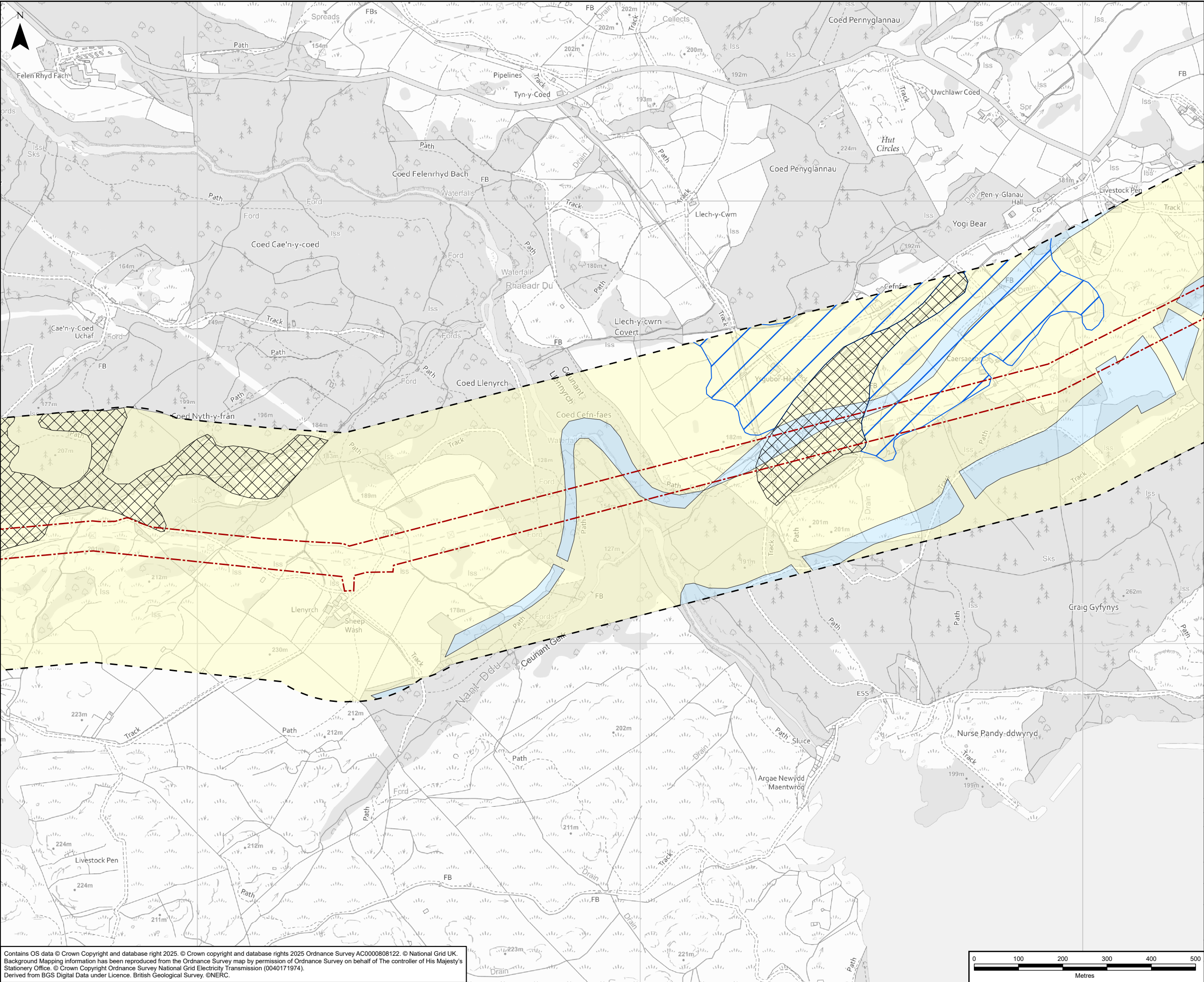
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Creator:	Date:	Checker:	Date:	Approver:	Date:
LP	11/08/2025	SB	11/08/2025	NL	11/08/2025

Document Type:	Scale:	Format:	Sheets:	Rev:
FIGURE	1:8,000	A3	17 OF 19	A

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Hydrogeology
 - Superficial Unproductive Aquifer
 - Superficial Secondary Undifferentiated Aquifer
 - Bedrock Secondary A Aquifer
 - Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

Rev	Date	Description	GIS	Chk	App
A	11/08/2025	Environmental Statement	LP	SB	NL

nationalgrid

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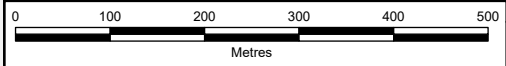
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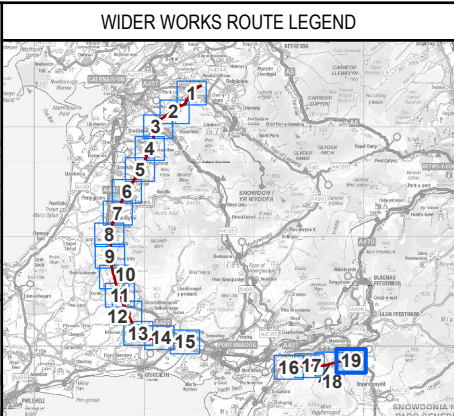
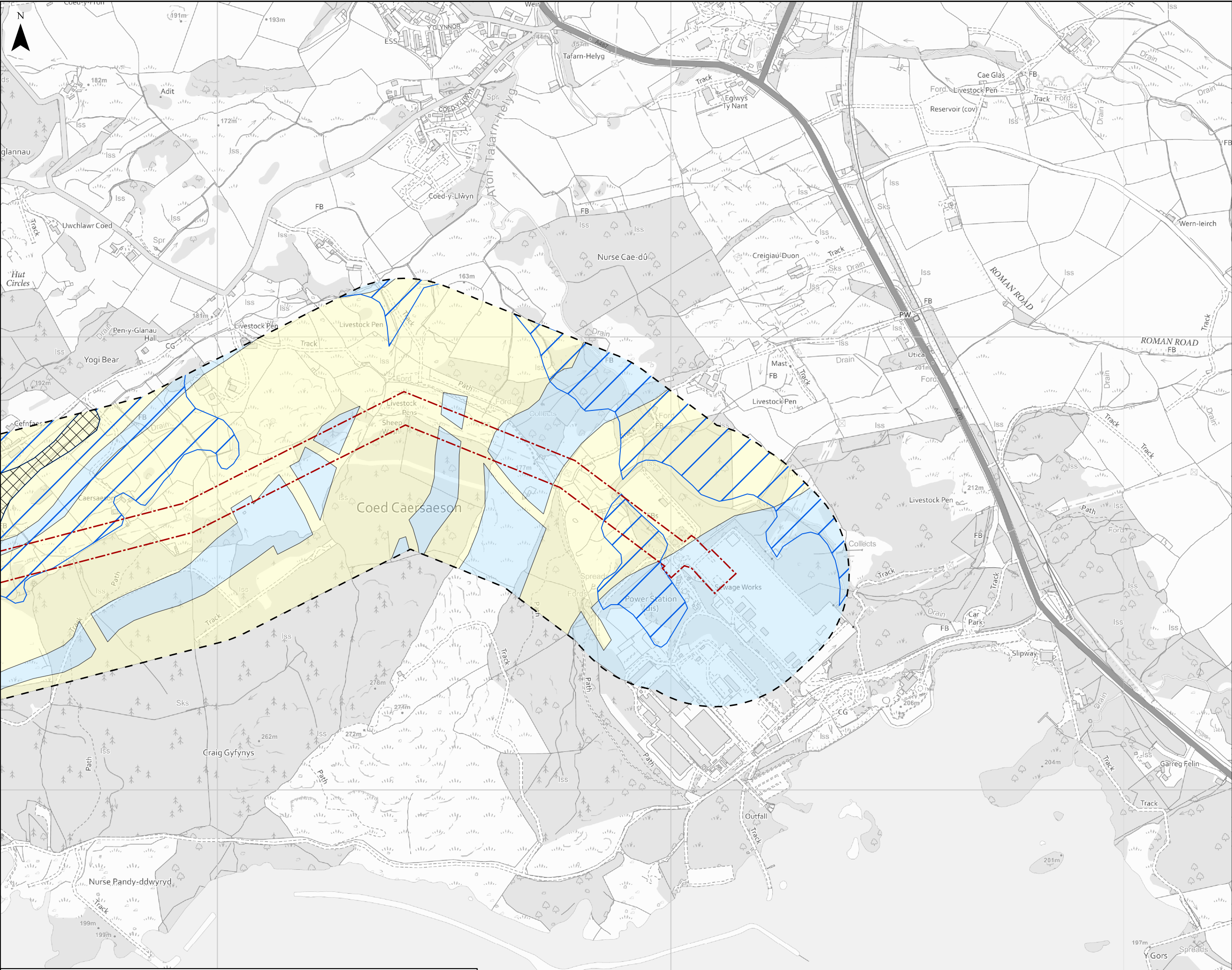
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Creator:	Date:	Checker:	Date:	Approver:	Date:
LP	11/08/2025	SB	11/08/2025	NL	11/08/2025

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary

BGS Hydrogeology

- Superficial Unproductive Aquifer
- Superficial Secondary Undifferentiated Aquifer
- Bedrock Secondary A Aquifer
- Bedrock Secondary B Aquifer

NOTES

1. Hydrogeology data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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A	11/08/2025	Environmental Statement	LP	SB	NL

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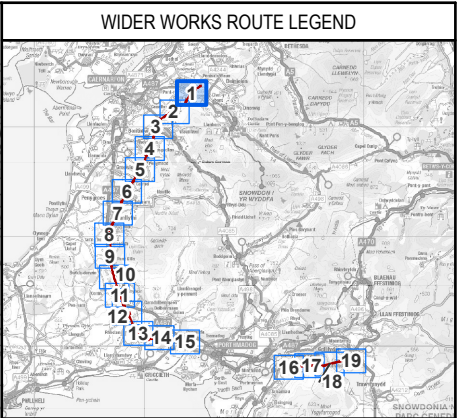
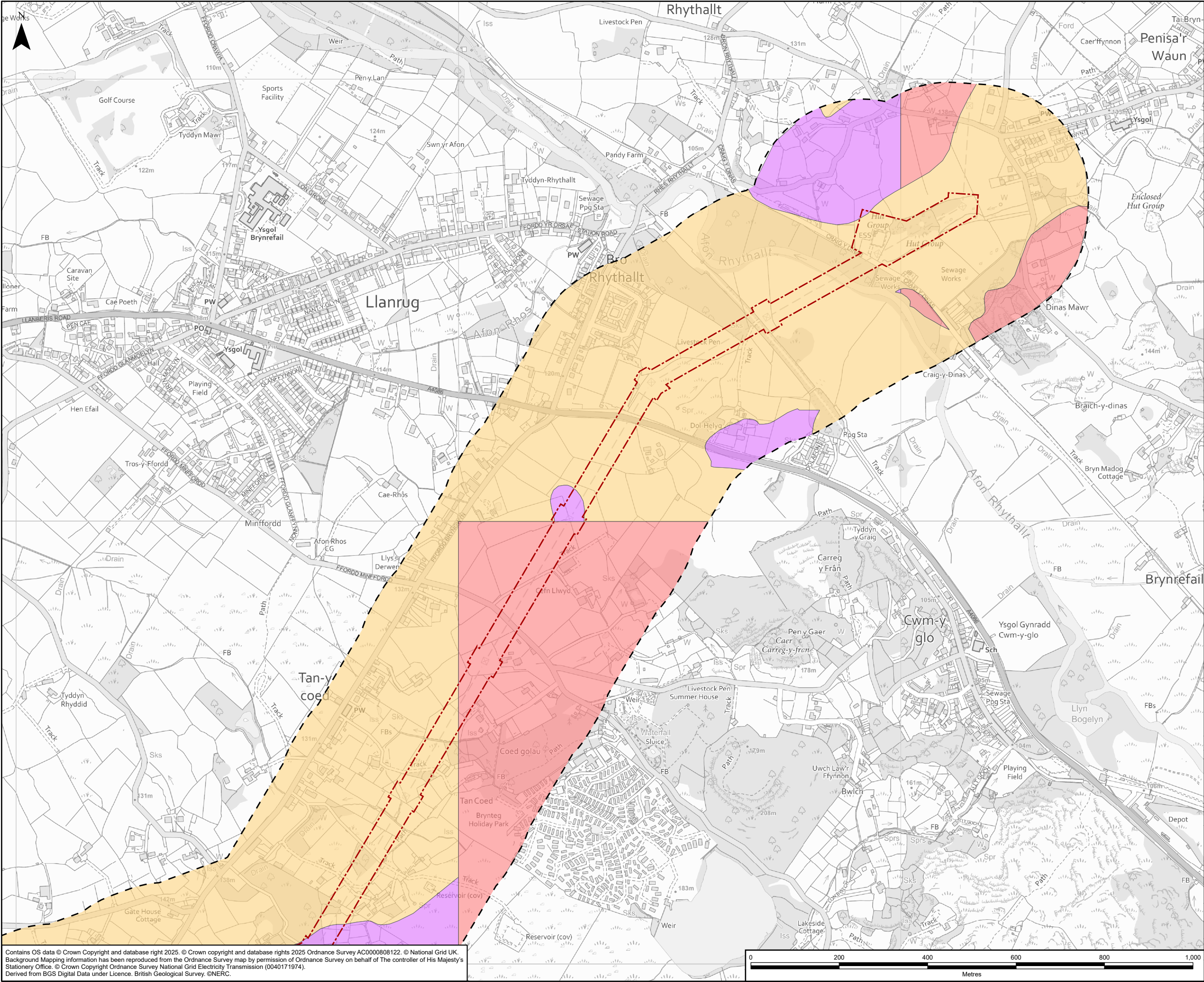
Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.4 HYDROGEOLOGY

Creator:	Date:	Checker:	Date:	Approver:	Date:
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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary

BGS Groundwater Vulnerability

- Secondary Superficial Aquifer - High Vulnerability
- Secondary Superficial Aquifer - Low Vulnerability
- Secondary Bedrock Aquifer - High Vulnerability
- Secondary Bedrock Aquifer - Medium Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	27/08/2024	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

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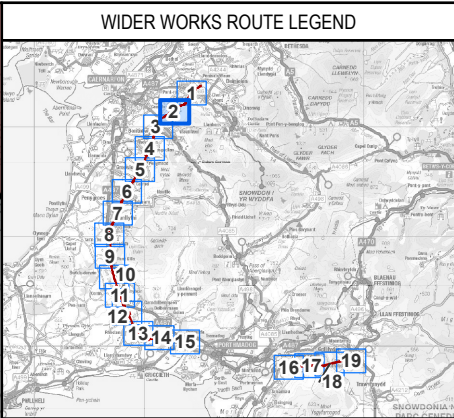
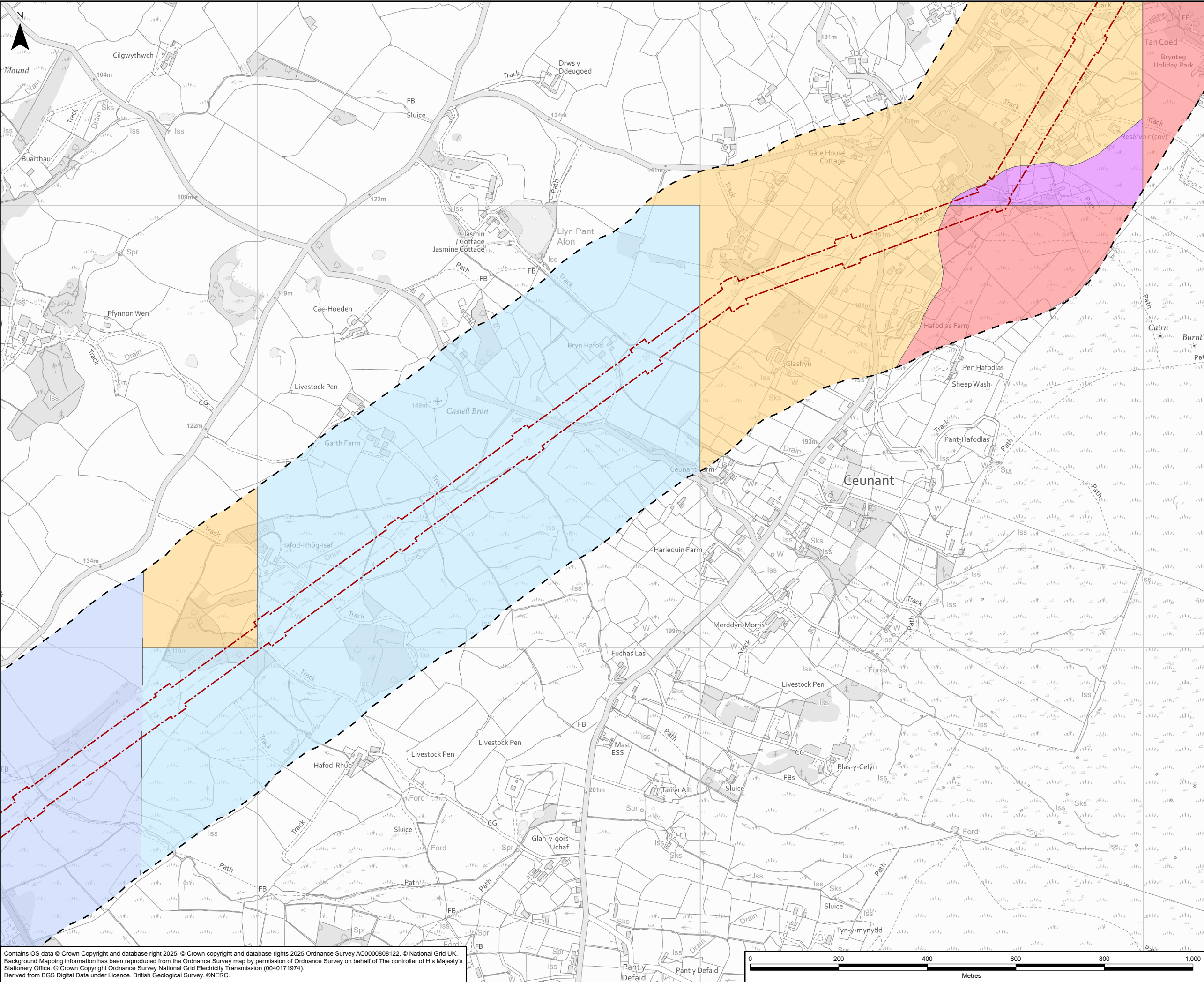
Volume: **VOLUME 8: APPENDICES WIDER WORKS**

Document Title: **FIGURE 6.A.5 GROUNDWATER VULNERABILITY**

Creator:	Date:	Checker:	Date:	Approver:	Date:
LP	27/08/2025	SB	27/08/2025	NL	27/08/2025

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability**
 - Secondary Superficial Aquifer - High Vulnerability
 - Secondary Superficial Aquifer - Low Vulnerability
 - Secondary Bedrock Aquifer - High Vulnerability
 - Secondary Bedrock Aquifer - Medium Vulnerability
 - Secondary Bedrock Aquifer - Low Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	27/08/2024	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

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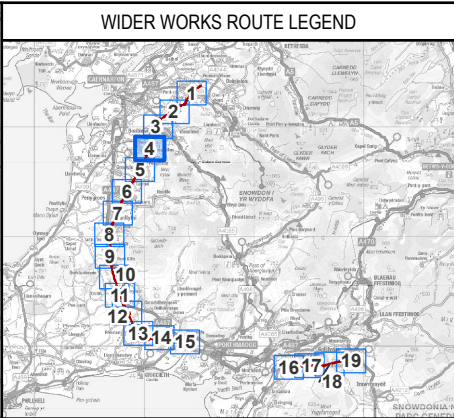
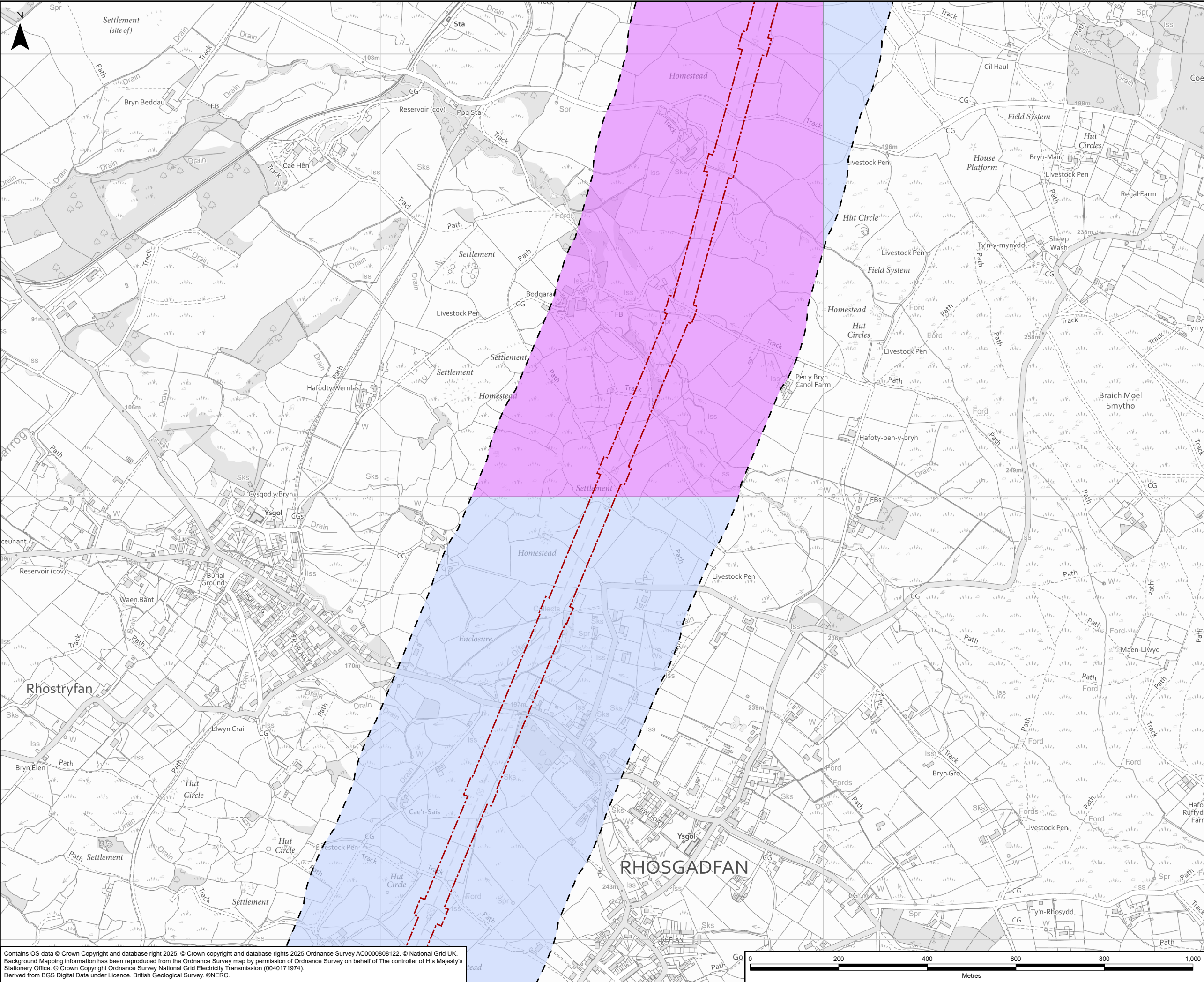
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Volume: VOLUME 8: APPENDICES
WIDER WORKS

Document Title: FIGURE 6.A.5
GROUNDWATER VULNERABILITY

Creator: LP	Date: 27/08/2025	Checker: SB	Date: 27/08/2025	Approver: NL	Date: 27/08/2025
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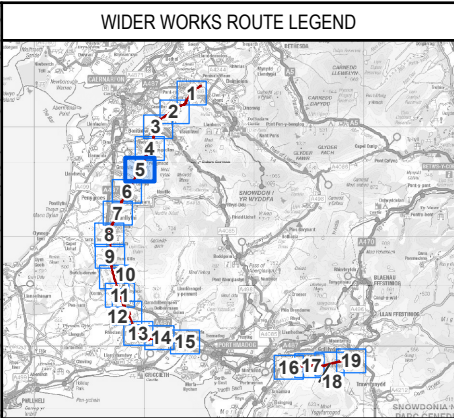
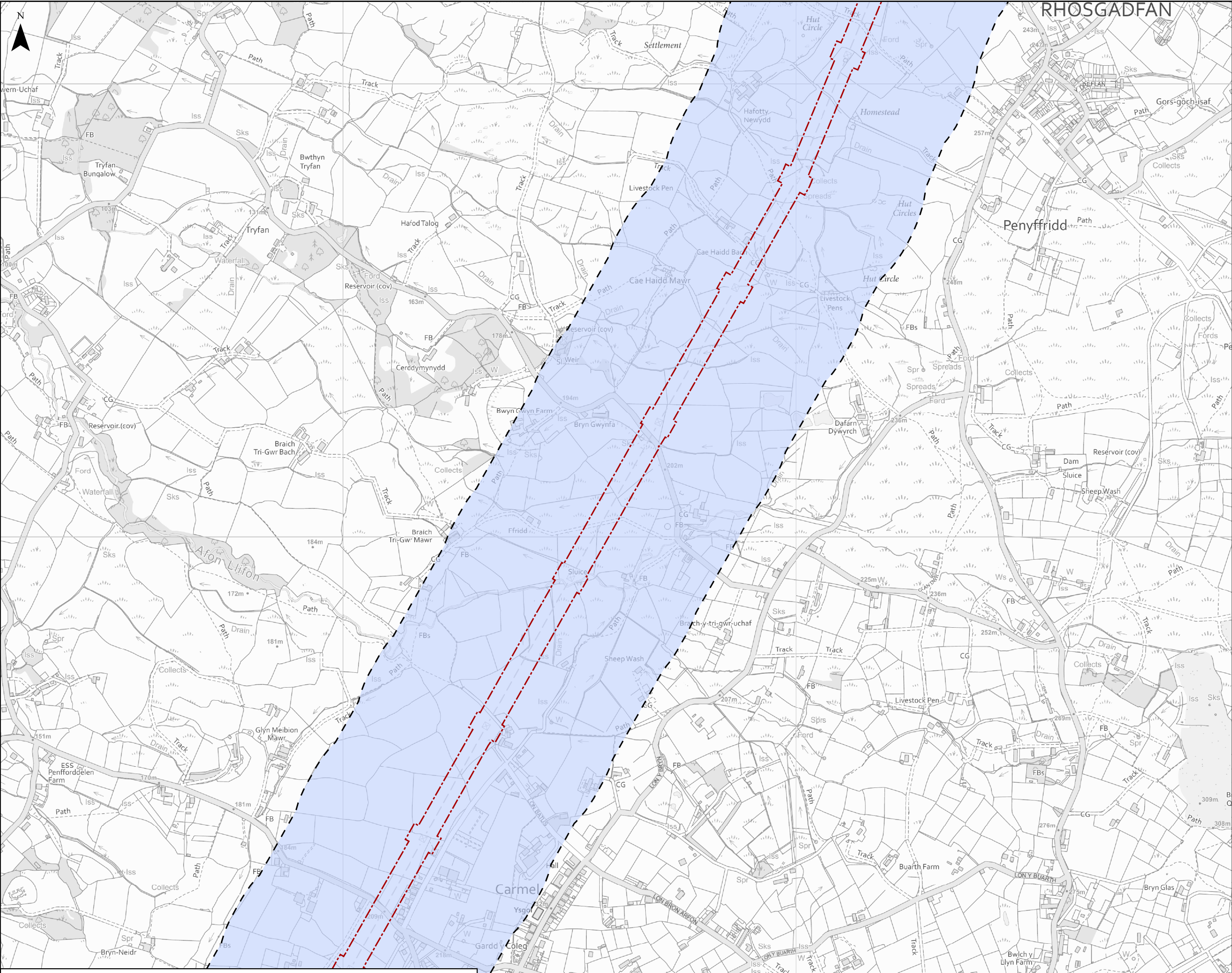


Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability
 - Secondary Bedrock Aquifer - Medium Vulnerability
 - Secondary Bedrock Aquifer - Low Vulnerability

NOTES					
1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.					
A	27/08/2024	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App
nationalgrid					
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Volume: VOLUME 8: APPENDICES WIDER WORKS					
Document Title: FIGURE 6.A.5 GROUNDWATER VULNERABILITY					
Creator: LP	Date: 27/08/2025	Checker: SB	Date: 27/08/2025	Approver: NL	Date: 27/08/2025
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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary

BGS Groundwater Vulnerability

- Secondary Bedrock Aquifer - Medium Vulnerability
- Secondary Bedrock Aquifer - Low Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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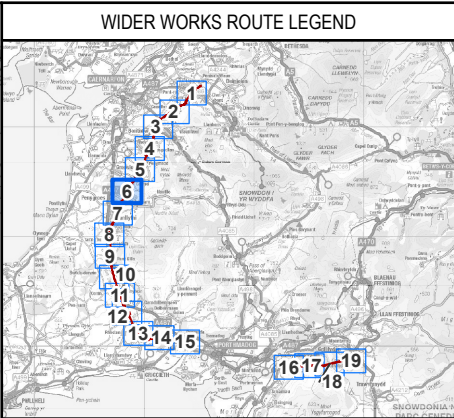
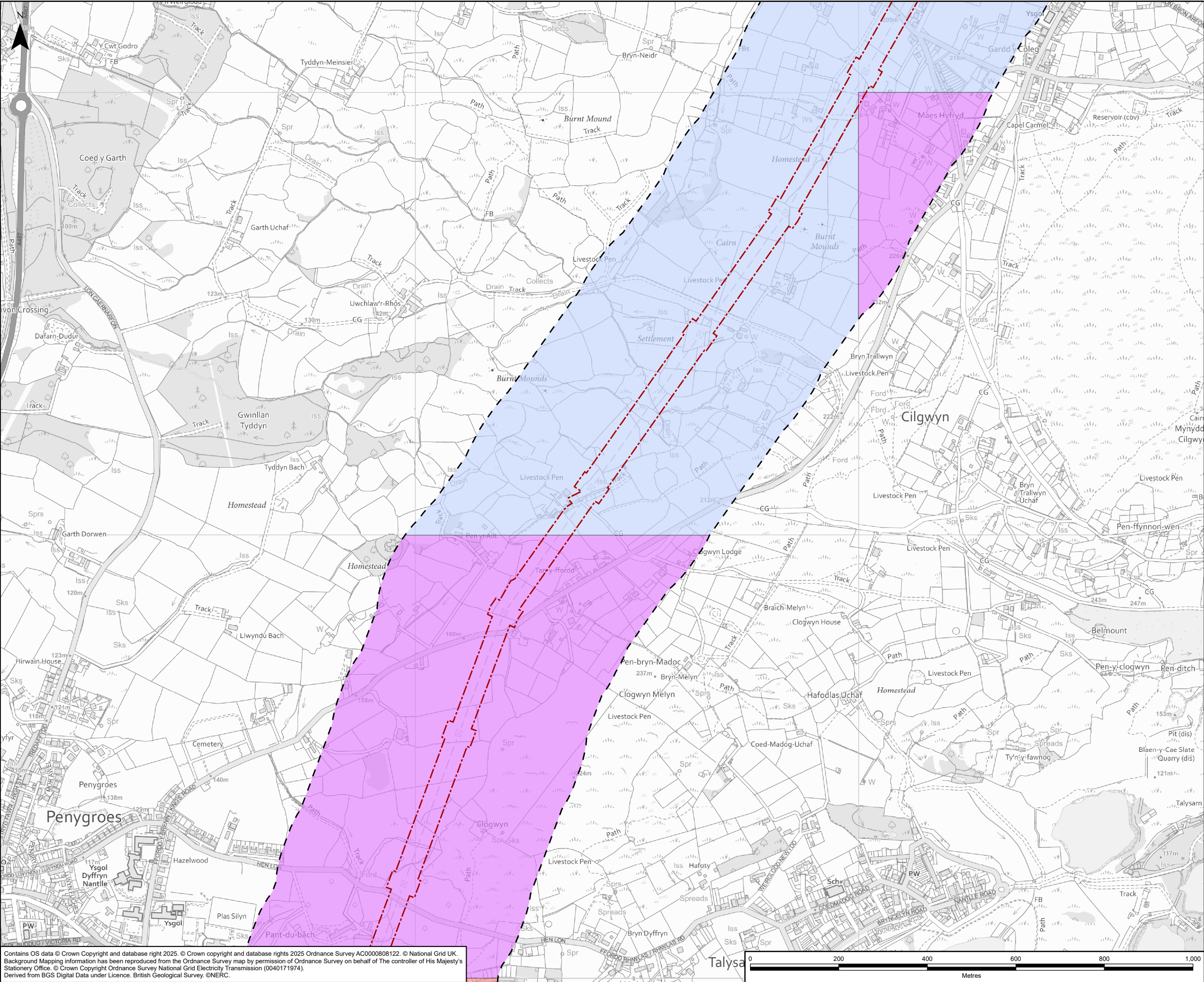
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Document Title: FIGURE 6.A.5 GROUNDWATER VULNERABILITY

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LP	27/08/2025	SB	27/08/2025	NL	27/08/2025

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FIGURE	1:8,000	A3	5 OF 19	A

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary

BGS Groundwater Vulnerability

- Secondary Bedrock Aquifer - High Vulnerability
- Secondary Bedrock Aquifer - Medium Vulnerability
- Secondary Bedrock Aquifer - Low Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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Rev	Date	Description	GIS	Chk	App

nationalgrid

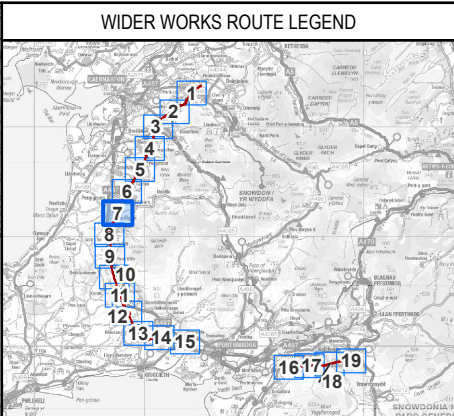
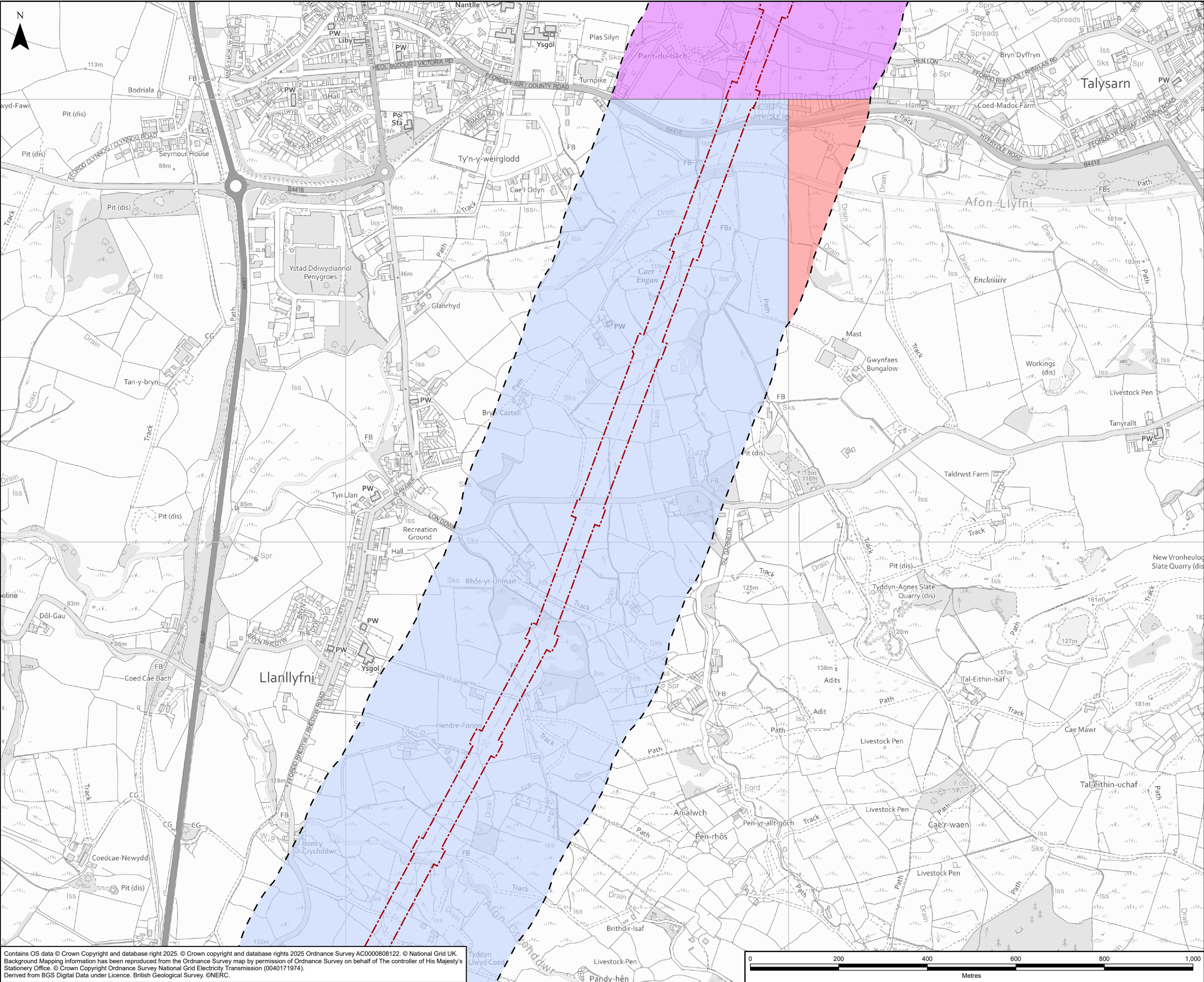
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Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.5 GROUNDWATER VULNERABILITY

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability
 - Secondary Bedrock Aquifer - High Vulnerability
 - Secondary Bedrock Aquifer - Medium Vulnerability
 - Secondary Bedrock Aquifer - Low Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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Rev	Date	Description	GIS	Chk	App

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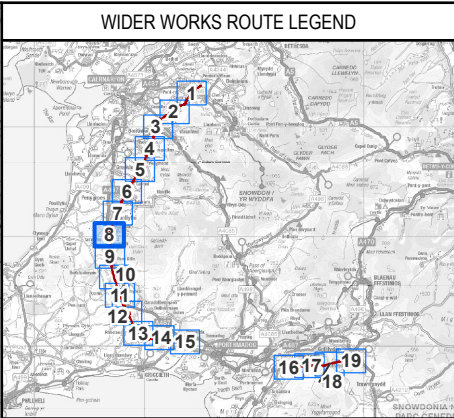
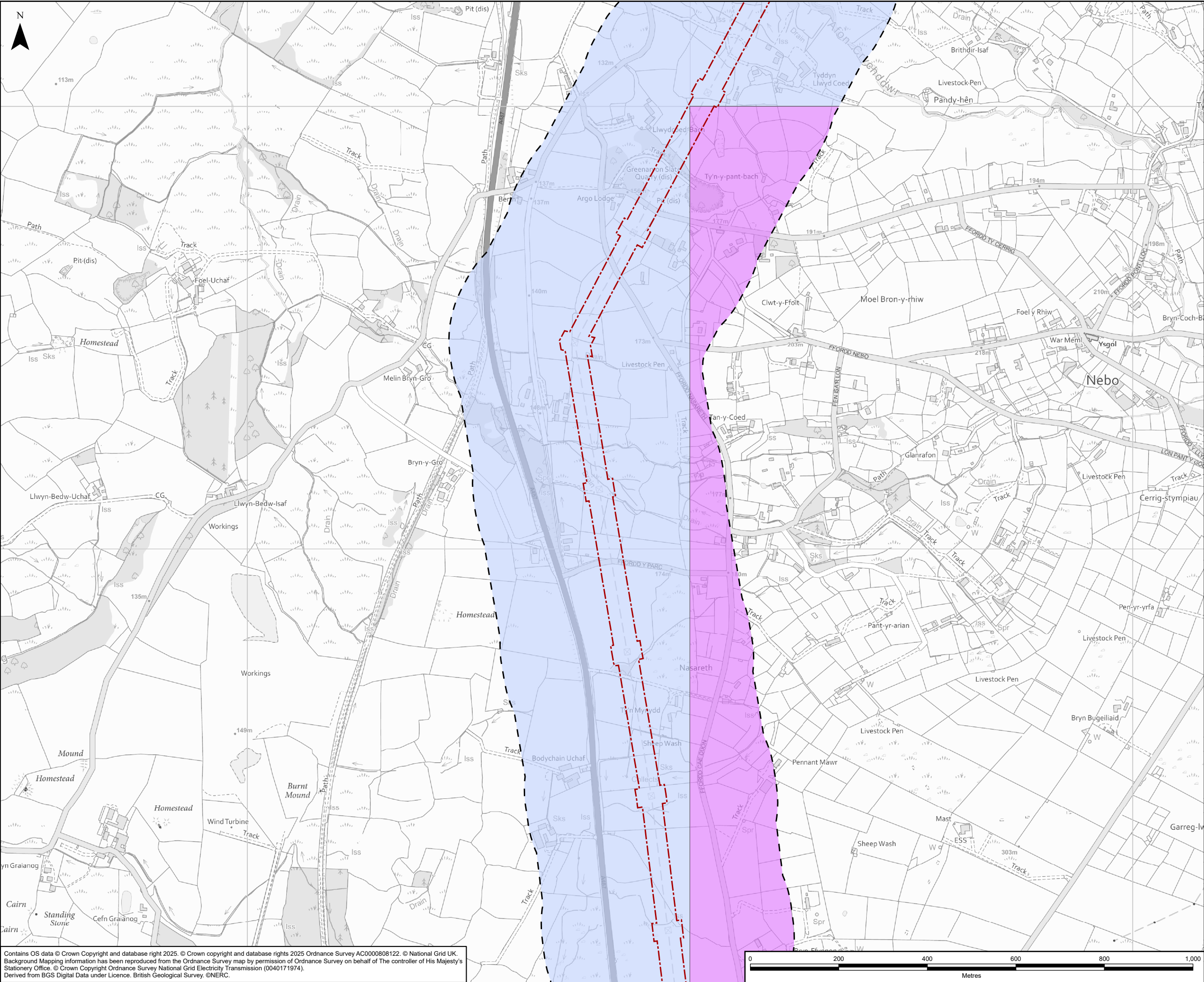
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Document Title: **FIGURE 6.A.5 GROUNDWATER VULNERABILITY**

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LP	27/08/2025	SB	27/08/2025	NL	27/08/2025

Document Type:	Scale:	Format:	Sheets:	Rev:
FIGURE	1:8,000	A3	7 OF 19	A

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability
 - Secondary Bedrock Aquifer - Medium Vulnerability
 - Secondary Bedrock Aquifer - Low Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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Rev	Date	Description	GIS	Chk	App

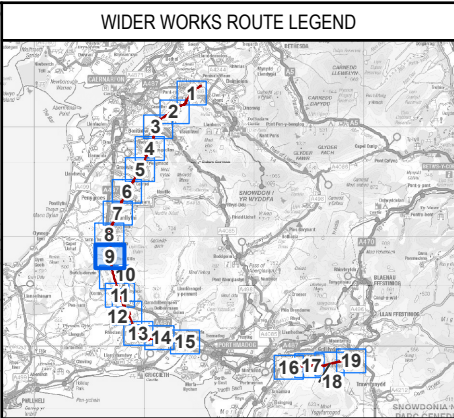
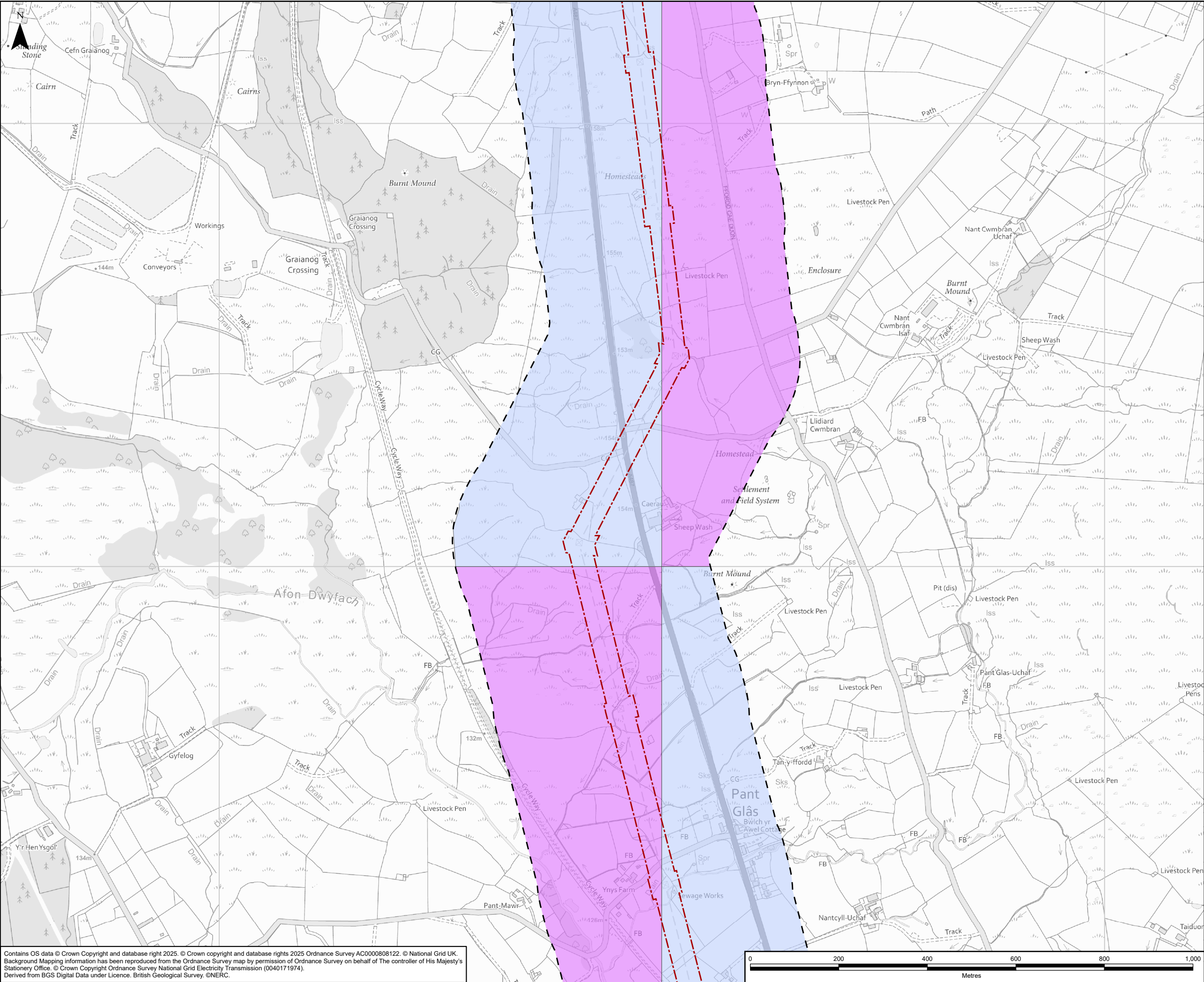
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Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.5 GROUNDWATER VULNERABILITY

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Document Type: FIGURE	Scale: 1:8,000	Format: A3	Sheets: 8 OF 19	Rev: A	

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability
 - Secondary Bedrock Aquifer - Medium Vulnerability
 - Secondary Bedrock Aquifer - Low Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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Rev	Date	Description	GIS	Chk	App

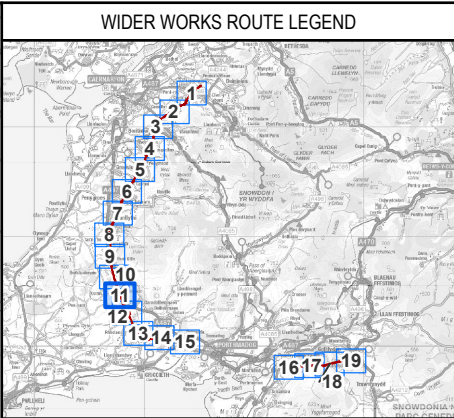
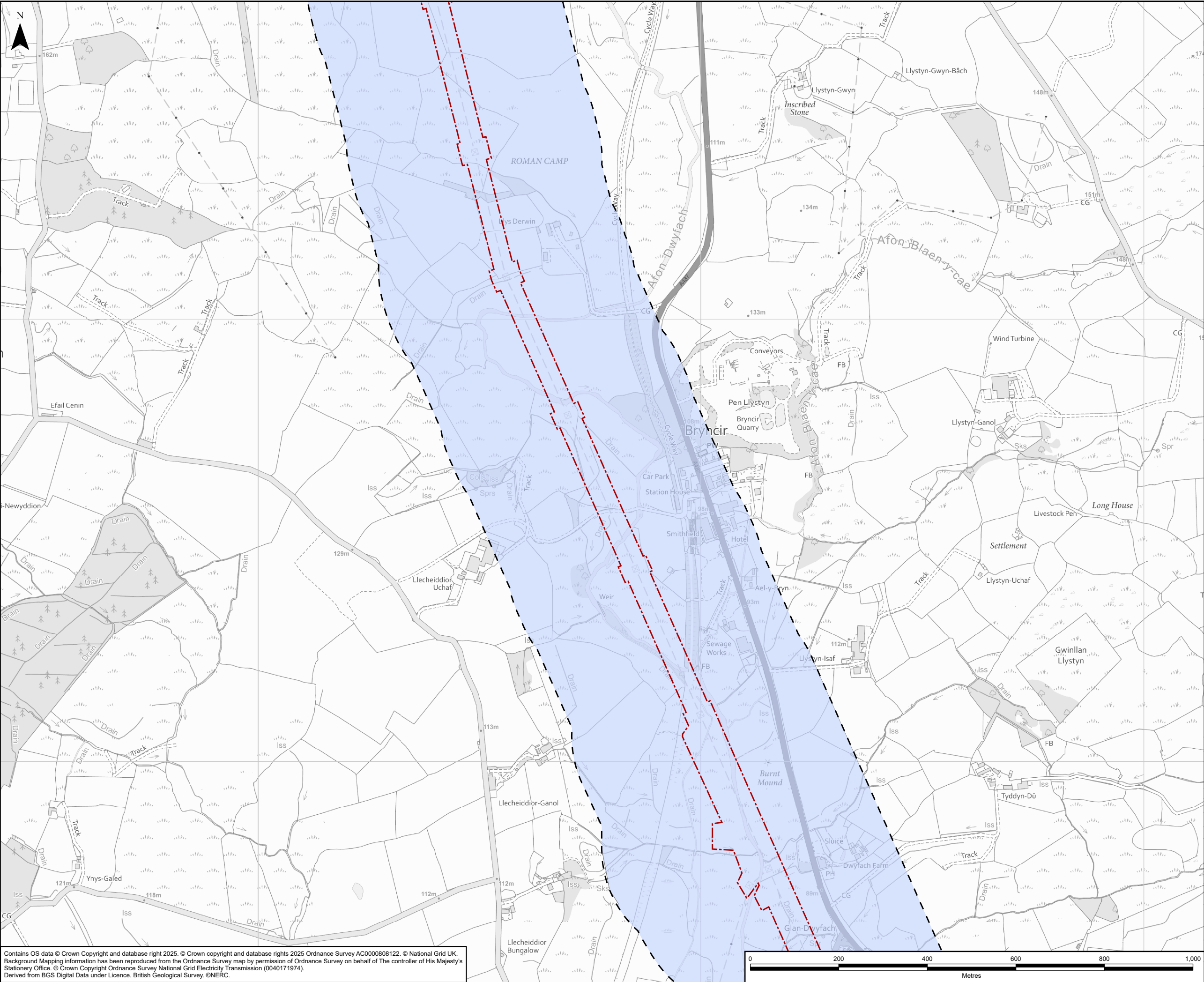
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Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.5 GROUNDWATER VULNERABILITY

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability**
- Secondary Bedrock Aquifer - Low Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	27/08/2024	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

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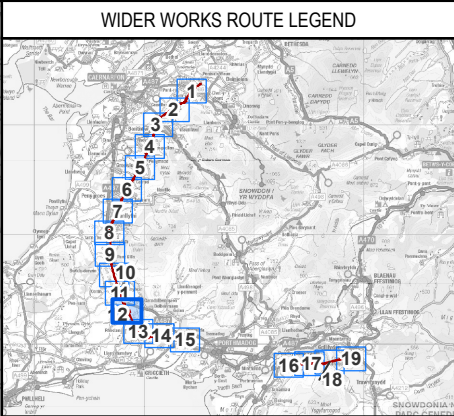
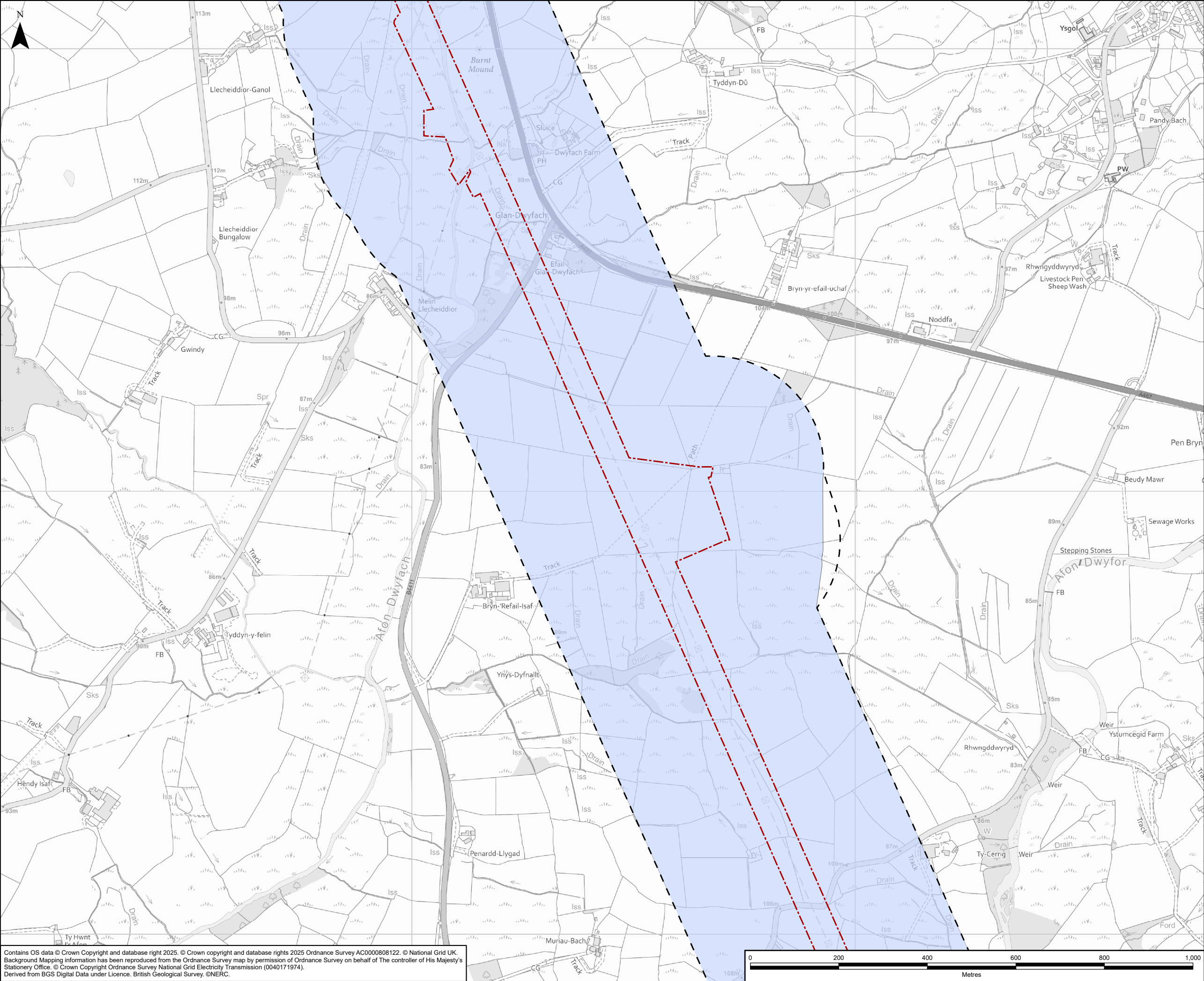
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Volume: **VOLUME 8: APPENDICES
WIDER WORKS**

Document Title: **FIGURE 6.A.5
GROUNDWATER VULNERABILITY**

Creator: LP	Date: 27/08/2025	Checker: SB	Date: 27/08/2025	Approver: NL	Date: 27/08/2025
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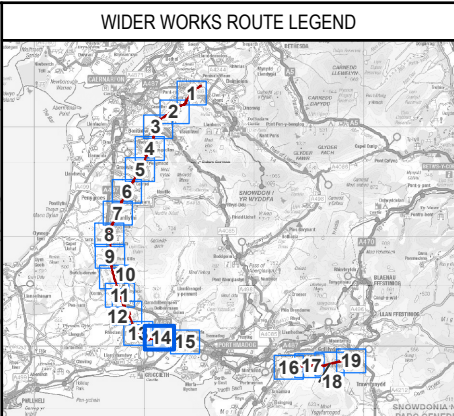
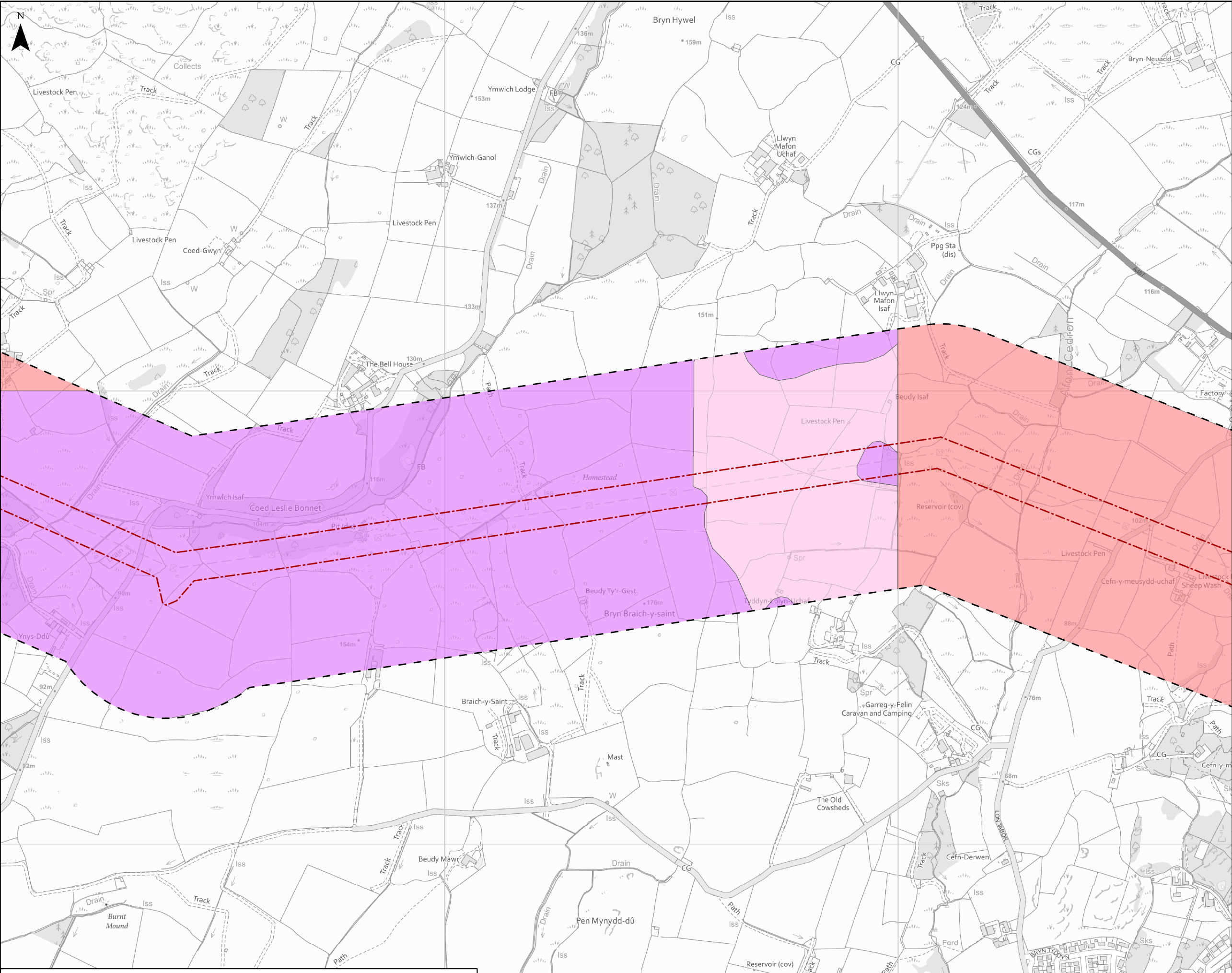


Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability
- Secondary Bedrock Aquifer - Low Vulnerability

NOTES					
1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.					
A	27/08/2024	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App
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Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT					
Volume: VOLUME 8: APPENDICES WIDER WORKS					
Document Title: FIGURE 6.A.5 GROUNDWATER VULNERABILITY					
Creator: LP	Date: 27/08/2025	Checker: SB	Date: 27/08/2025	Approver: NL	Date: 27/08/2025
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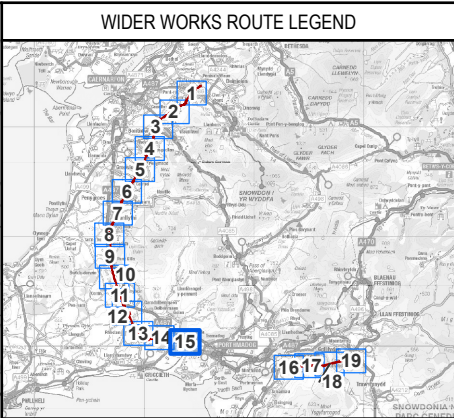
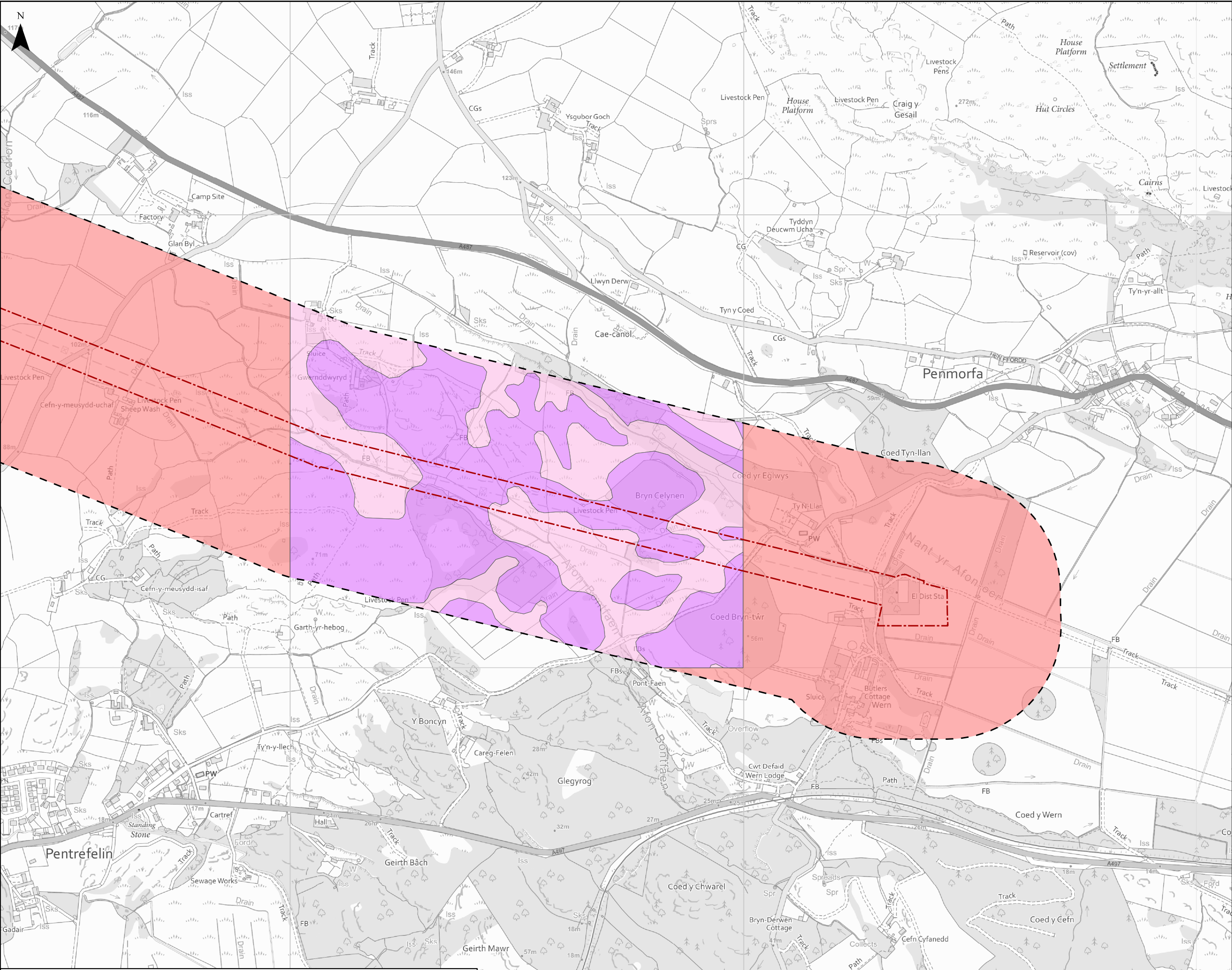


Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability
 - Secondary Superficial Aquifer - Medium Vulnerability
 - Secondary Bedrock Aquifer - High Vulnerability
 - Secondary Bedrock Aquifer - Medium Vulnerability

NOTES					
1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.					
A	27/08/2024	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT					
Volume: VOLUME 8: APPENDICES WIDER WORKS					
Document Title: FIGURE 6.A.5 GROUNDWATER VULNERABILITY					
Creator: LP	Date: 27/08/2025	Checker: SB	Date: 27/08/2025	Approver: NL	Date: 27/08/2025
Document Type: FIGURE	Scale: 1:8,000	Format: A3	Sheets: 14 OF 19	Rev: A	

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability
 - Secondary Superficial Aquifer - Medium Vulnerability
 - Secondary Bedrock Aquifer - High Vulnerability
 - Secondary Bedrock Aquifer - Medium Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	27/08/2024	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

nationalgrid

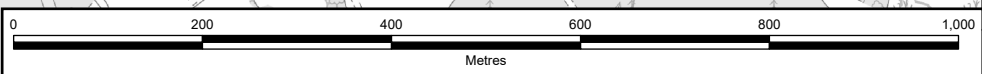
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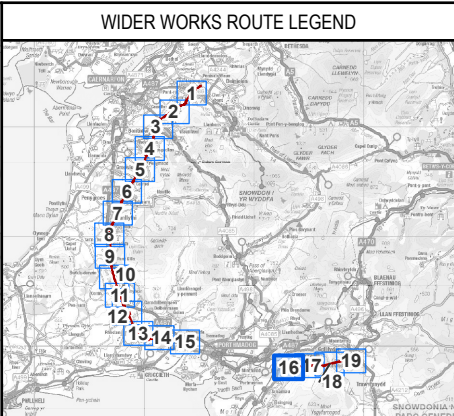
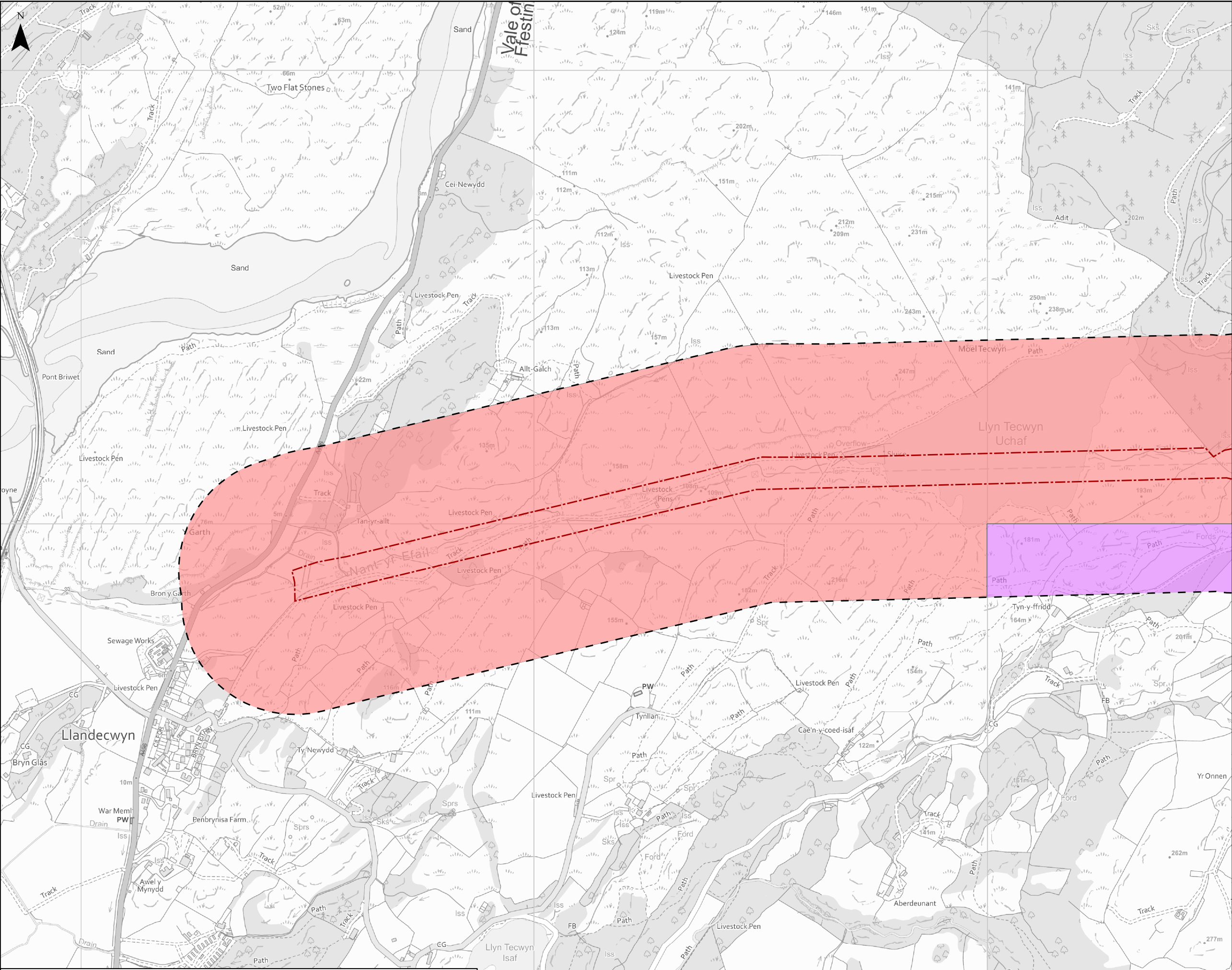
Volume: **VOLUME 8: APPENDICES WIDER WORKS**

Document Title: **FIGURE 6.A.5 GROUNDWATER VULNERABILITY**

Creator: LP	Date: 27/08/2025	Checker: SB	Date: 27/08/2025	Approver: NL	Date: 27/08/2025
Document Type: FIGURE	Scale: 1:8,000	Format: A3	Sheets: 15 OF 19	Rev: A	

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability
 - Secondary Bedrock Aquifer - High Vulnerability
 - Secondary Bedrock Aquifer - Medium Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	27/08/2024	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

nationalgrid

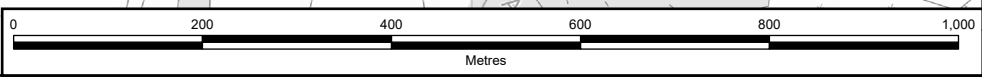
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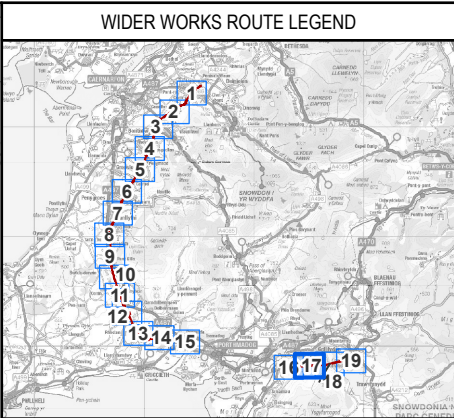
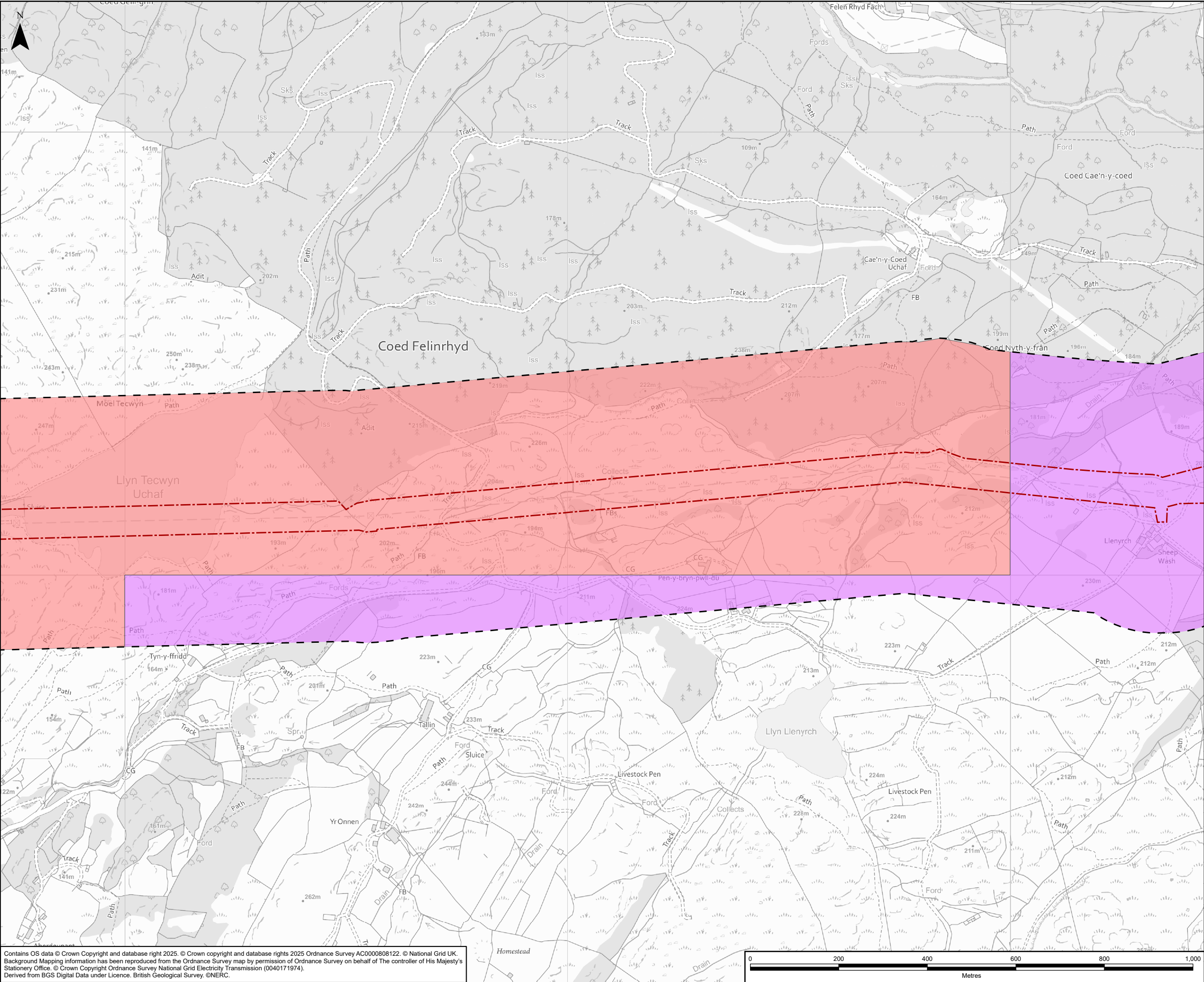
Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.5 GROUNDWATER VULNERABILITY

Creator: LP	Date: 27/08/2024	Checker: SB	Date: 27/08/2025	Approver: NL	Date: 27/08/2025
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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability
 - Secondary Bedrock Aquifer - High Vulnerability
 - Secondary Bedrock Aquifer - Medium Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	27/08/2024	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

nationalgrid

Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT

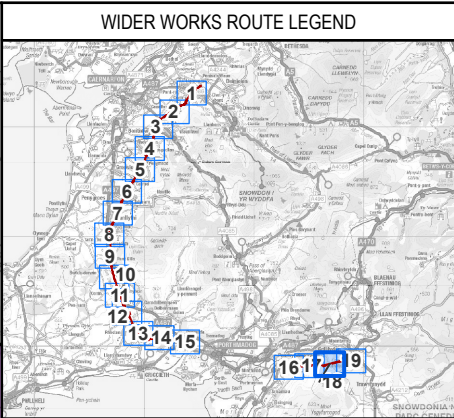
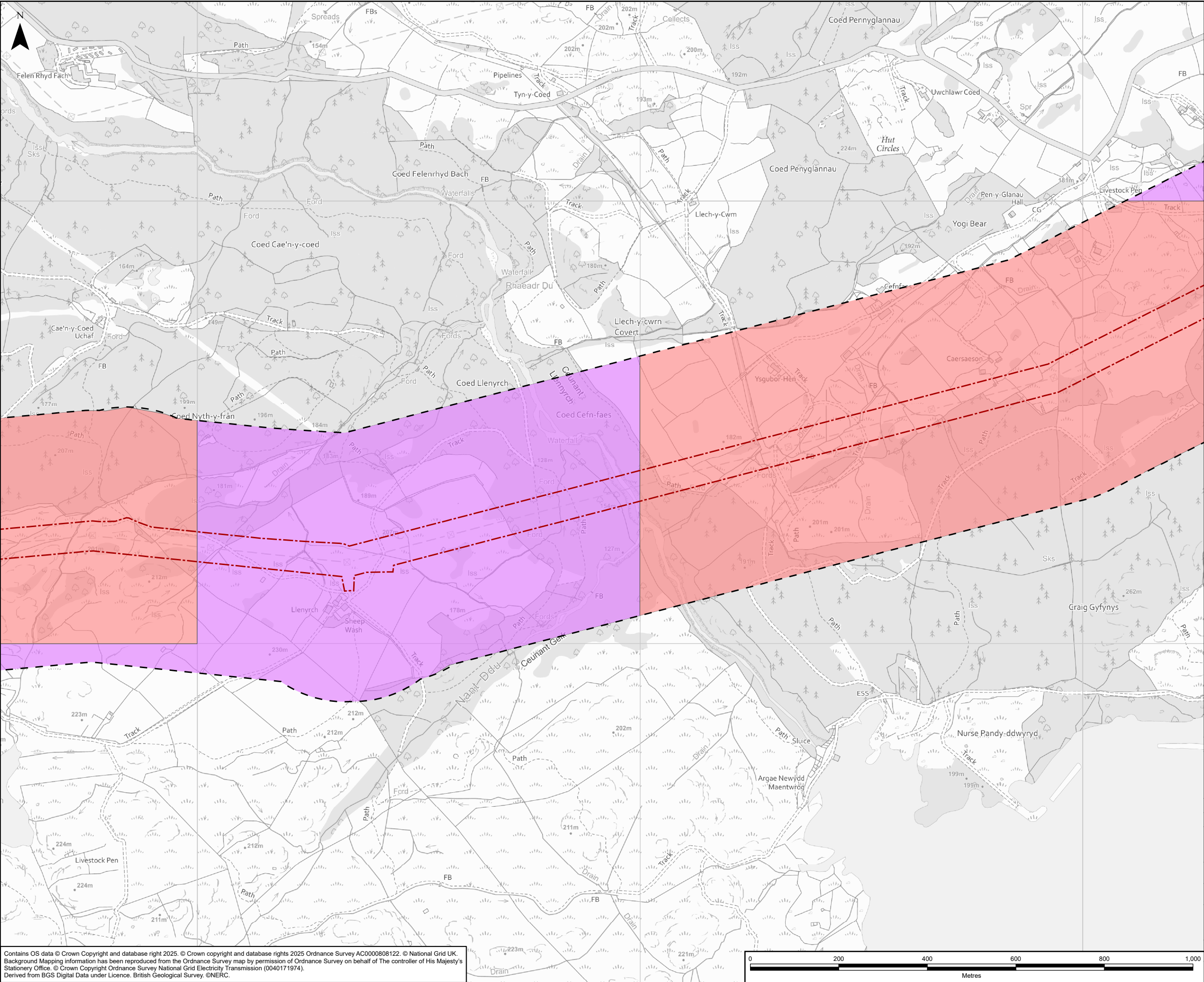
Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.5 GROUNDWATER VULNERABILITY

Creator:	Date:	Checker:	Date:	Approver:	Date:
LP	27/08/2025	SB	27/08/2025	NL	27/08/2025

Document Type:	Scale:	Format:	Sheets:	Rev:
FIGURE	1:8,000	A3	17 OF 19	A

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability
 - Secondary Bedrock Aquifer - High Vulnerability
 - Secondary Bedrock Aquifer - Medium Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	27/08/2024	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

nationalgrid

Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT

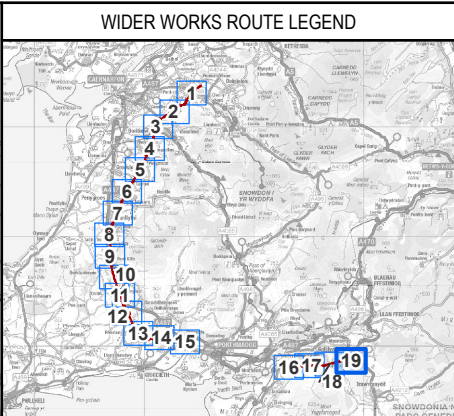
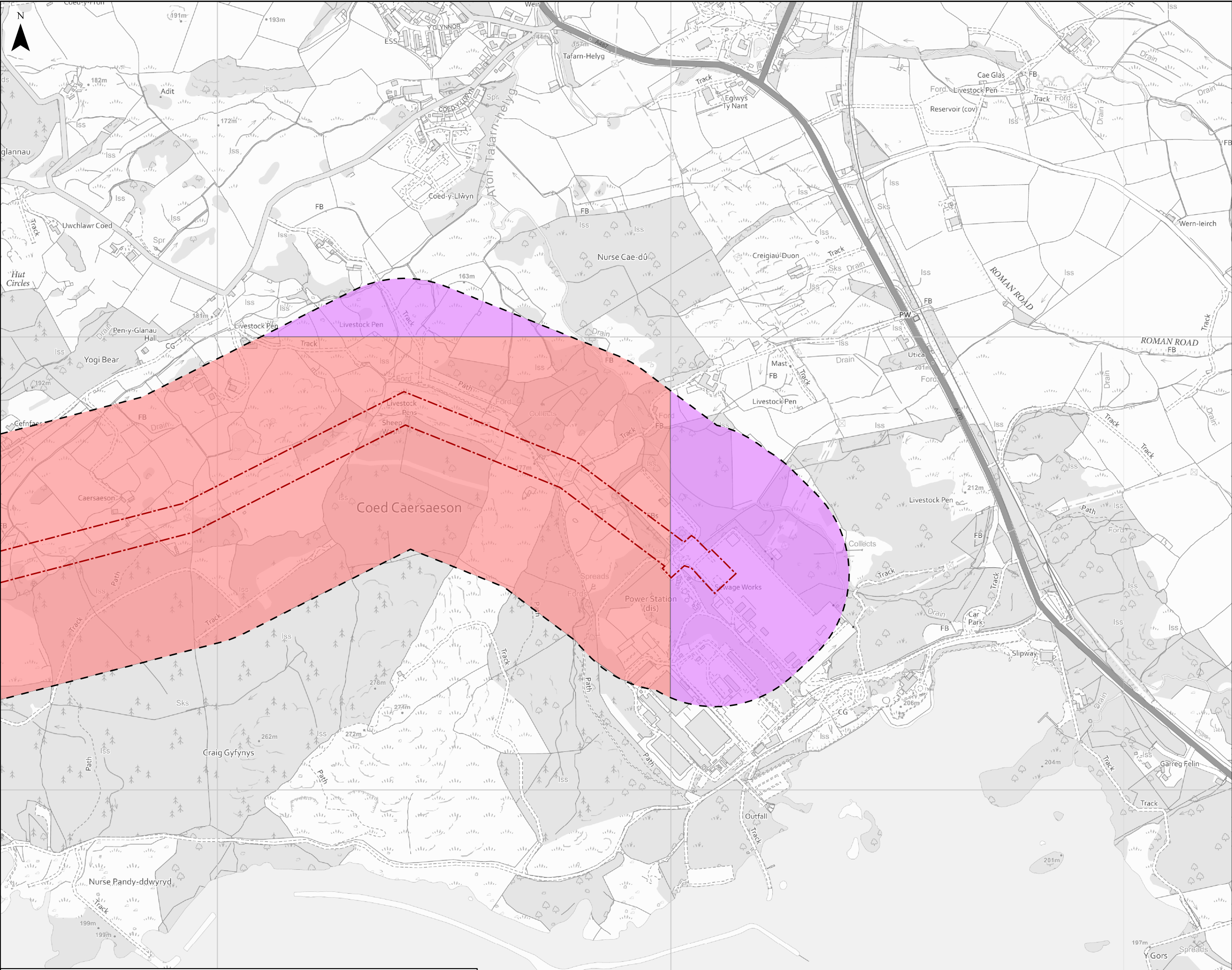
Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.5 GROUNDWATER VULNERABILITY

Creator:	Date:	Checker:	Date:	Approver:	Date:
LP	27/08/2025	SB	27/08/2025	NL	27/08/2025

Document Type:	Scale:	Format:	Sheets:	Rev:
FIGURE	1:8,000	A3	18 OF 19	A

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- BGS Groundwater Vulnerability
 - Secondary Bedrock Aquifer - High Vulnerability
 - Secondary Bedrock Aquifer - Medium Vulnerability

NOTES

1. Groundwater vulnerability data supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

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Rev	Date	Description	GIS	Chk	App

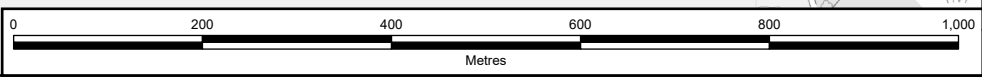
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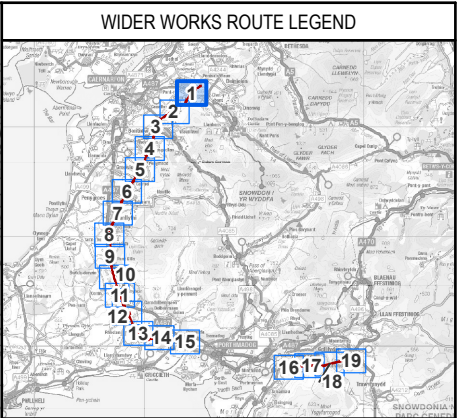
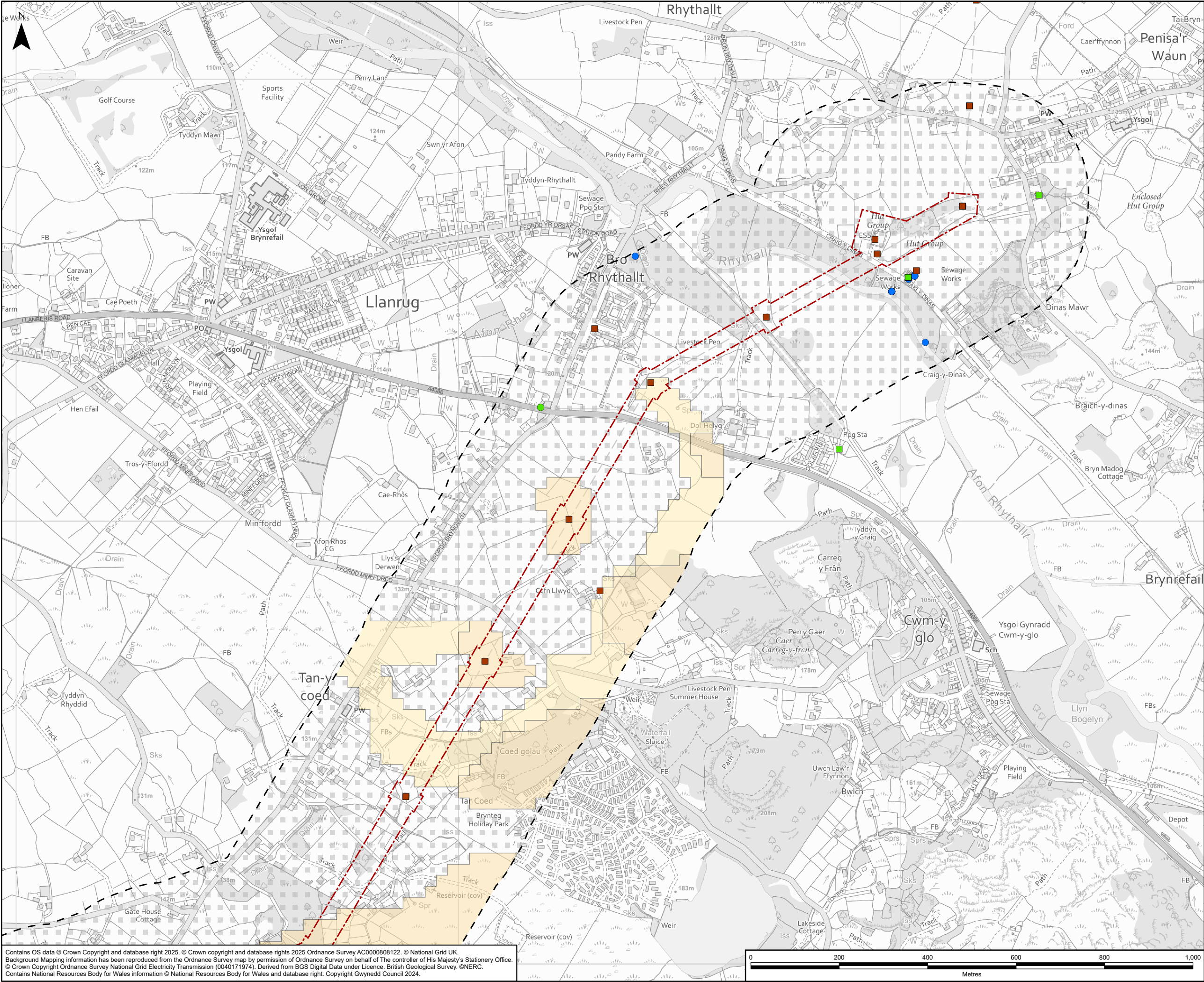
Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.5 GROUNDWATER VULNERABILITY

Creator: LP	Date: 27/08/2025	Checker: SB	Date: 27/08/2025	Approver: NL	Date: 27/08/2025
Document Type: FIGURE	Scale: 1:8,000	Format: A3	Sheets: 19 OF 19	Rev: A	

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- Licensed Discharge to Controlled Waters
- Licensed Pollutant Release
- Current Industrial Land Use
 - Industrial Features
 - Infrastructure and Facilities
- Radon
 - Less than 1%
 - Between 1% and 3%
 - Between 3% and 5%

NOTES

1: All datasets shown in this figure were supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	18/08/2025	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

nationalgrid

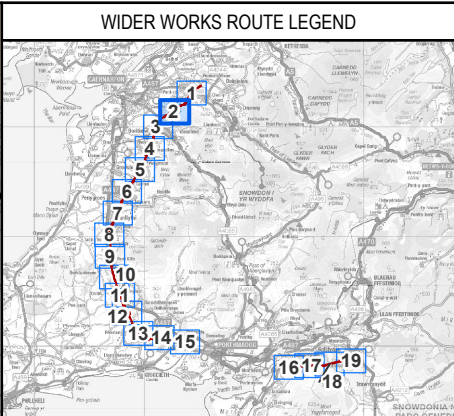
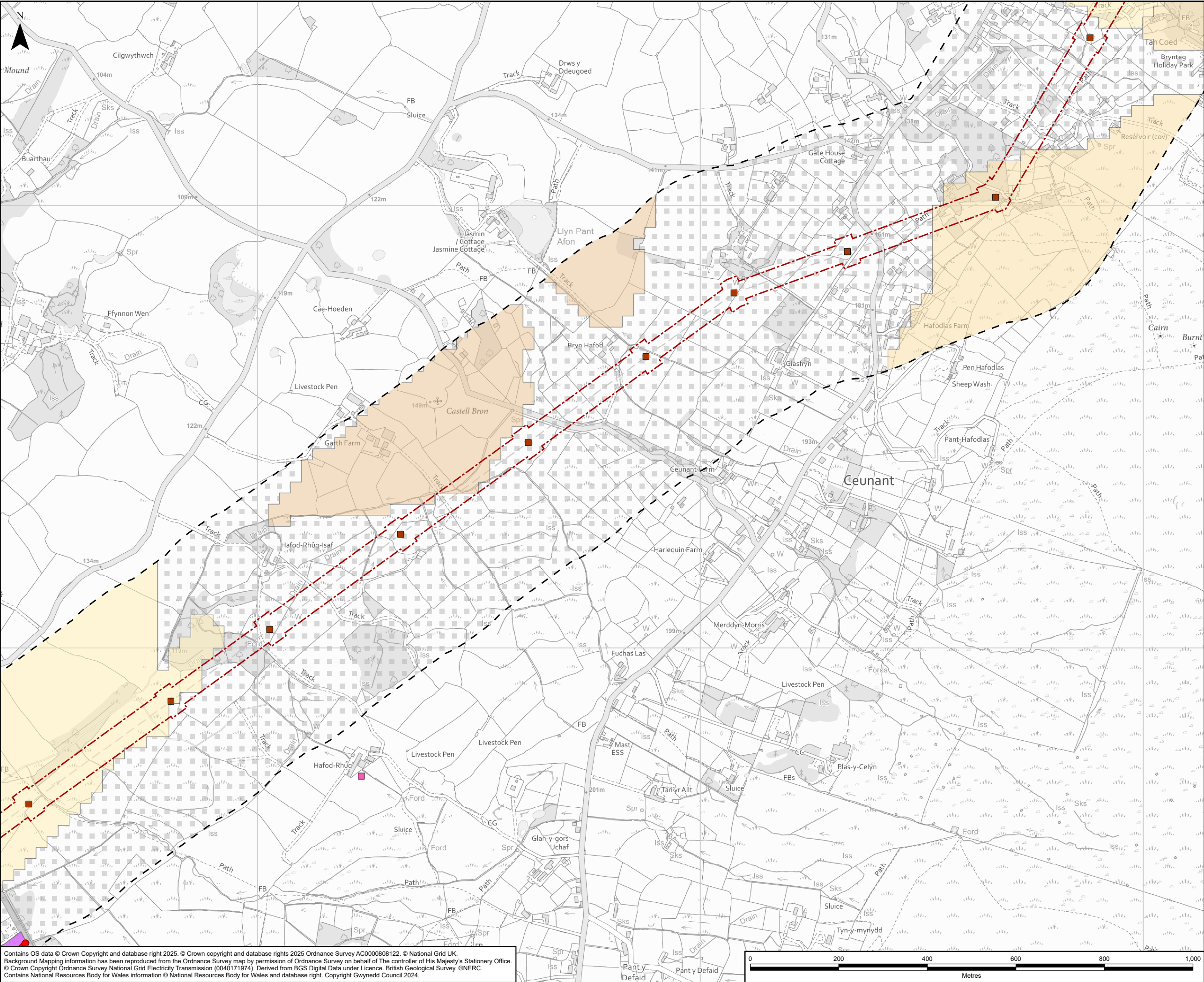
Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT

Volume: VOLUME 8: APPENDICES
WIDER WORKS

Document Title: FIGURE 6.A.6
POTENTIAL SOURCES OF CONTAMINATION

Creator: LP	Date: 18/08/2025	Checker: SB	Date: 18/08/2025	Approver: NL	Date: 18/08/2025
Document Type: FIGURE	Scale: 1:8,000	Format: A3	Sheets: 1 OF 19	Rev: A	

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Legend

 Indicative Wider Works Site Boundary

 250m Buffer of Indicative Wider Works Site Boundary

Current Industrial Land Use

- Farming
- Infrastructure and Facilities
- Licensed Waste Site
- Active or Recent Landfill

Radon

- Less than 1%
- Between 1% and 3%
- Between 3% and 5%
- Between 5% and 10%

NOTES

1: All datasets shown in this figure were supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	18/08/2025	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

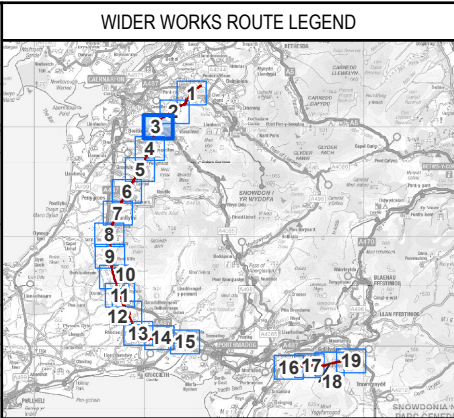
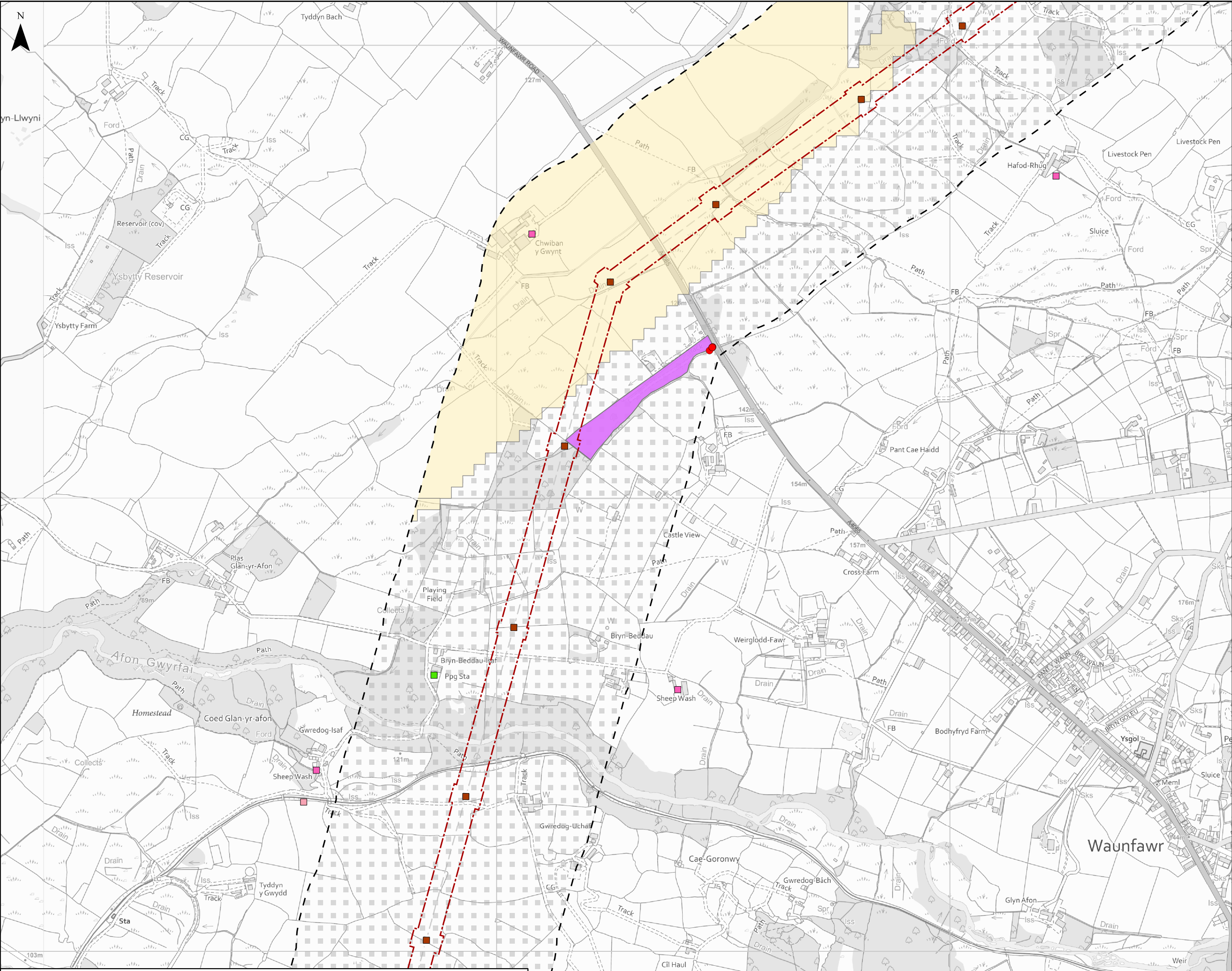
Scheme: **PENTIR TO TRAWSFYNYDD REINFORCEMENT**

Volume: **VOLUME 8: APPENDICES
WIDER WORKS**

Document Title: **FIGURE 6.A.6
POTENTIAL SOURCES OF CONTAMINATION**

Creator: LP	Date: 18/08/2025	Checker: SB	Date: 18/08/2025	Approver: NL	Date: 18/08/2025
Document Type: FIGURE	Scale: 1:8,000	Format: A3	Sheets: 2 OF 19	Rev: A	

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- Current Industrial Land Use**
 - Farming
 - Industrial Features
 - Infrastructure and Facilities
 - Tourism
 - Licensed Waste Site
 - Active or Recent Landfill
- Radon**
 - Less than 1%
 - Between 1% and 3%

NOTES

1: All datasets shown in this figure were supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

Rev	Date	Description	GIS	Chk	App
A	18/08/2025	Environmental Statement	LP	SB	NL

nationalgrid

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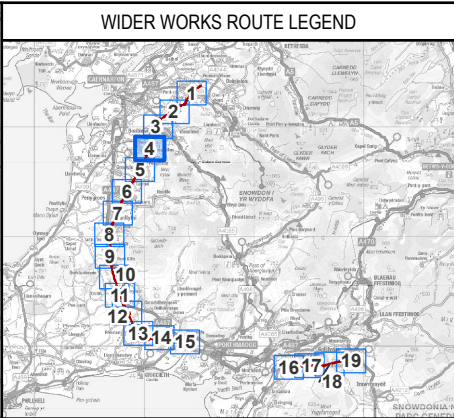
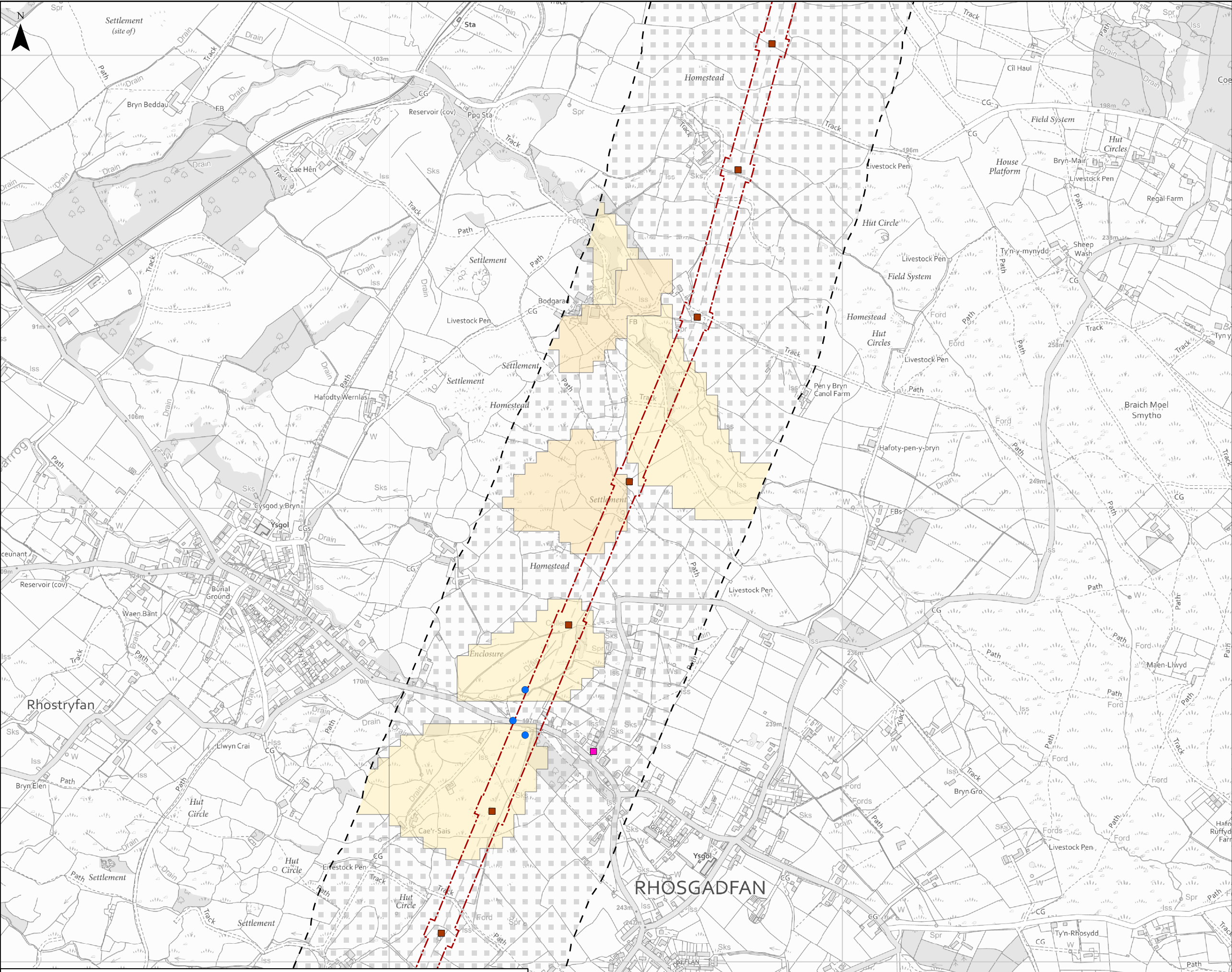
Volume: VOLUME 8: APPENDICES
WIDER WORKS

Document Title: FIGURE 6.A.6
POTENTIAL SOURCES OF CONTAMINATION

Creator:	Date:	Checker:	Date:	Approver:	Date:
LP	18/08/2025	SB	18/08/2025	NL	18/08/2025

Document Type:	Scale:	Format:	Sheets:	Rev:
FIGURE	1:8,000	A3	3 OF 19	A

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- Licensed Discharge to Controlled Waters

Current Industrial Land Use

- Industrial Products
- Infrastructure and Facilities

Radon

- Less than 1%
- Between 1% and 3%
- Between 3% and 5%

NOTES

1: All datasets shown in this figure were supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

A	18/08/2025	Environmental Statement	LP	SB	NL
Rev	Date	Description	GIS	Chk	App

nationalgrid

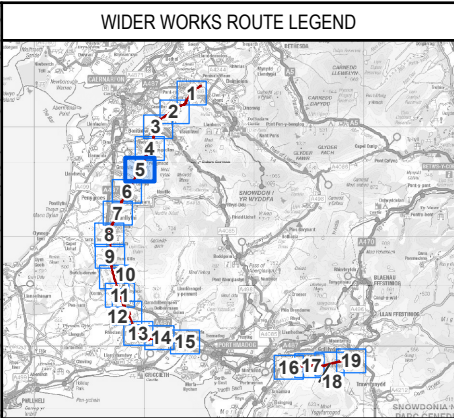
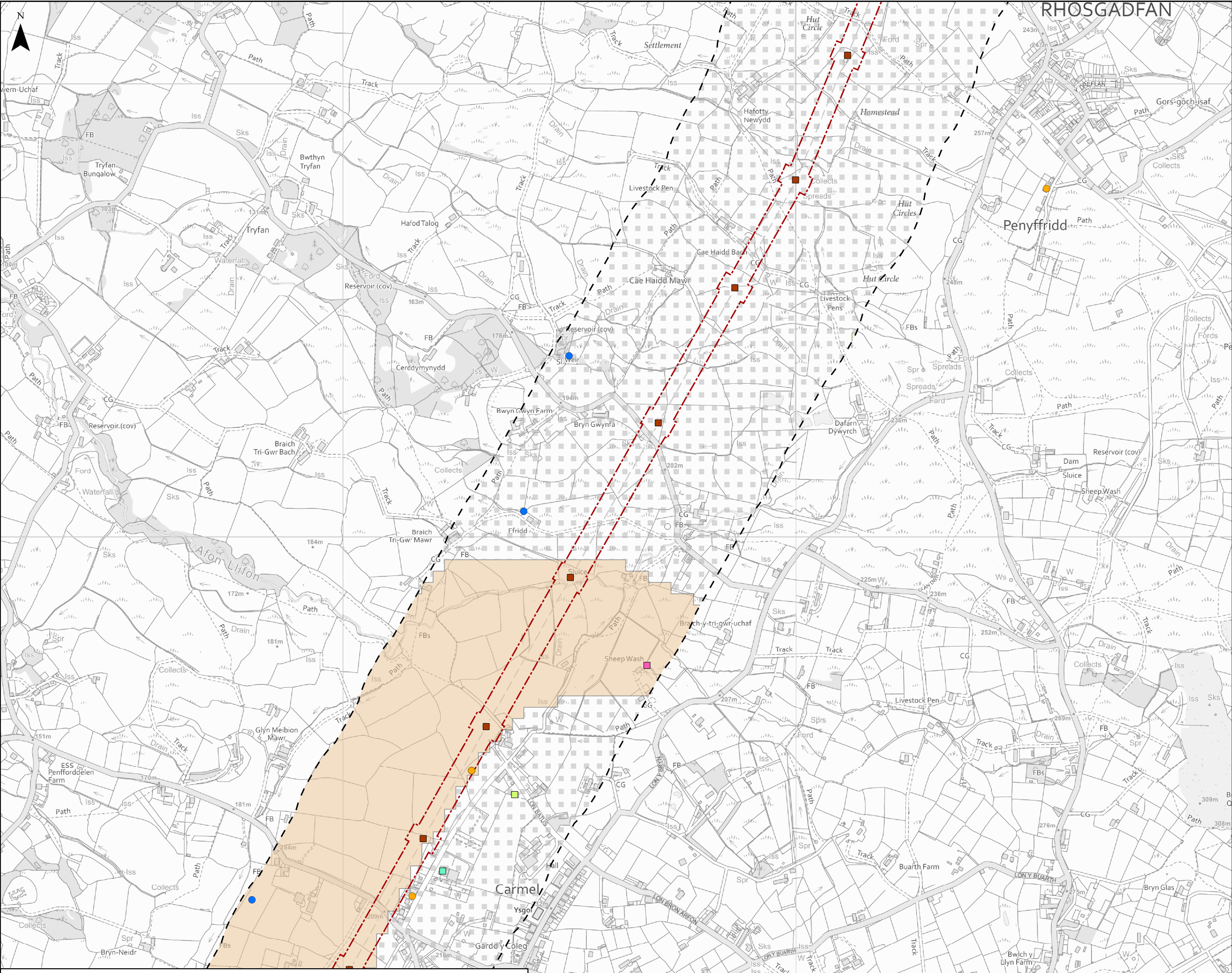
Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT

Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.6 POTENTIAL SOURCES OF CONTAMINATION

Creator: LP	Date: 18/08/2025	Checker: SB	Date: 18/08/2025	Approver: NL	Date: 18/08/2025
Document Type: FIGURE	Scale: 1:8,000	Format: A3	Sheets: 4 OF 19	Rev: A	

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Legend

- Indicative Wider Works Site Boundary
- 250m Buffer of Indicative Wider Works Site Boundary
- Licensed Discharge to Controlled Waters
- Pollution Incident
- Current Industrial Land Use
 - Farming
 - Household, Office, Leisure and Garden
 - Infrastructure and Facilities
 - Repair and Servicing
- Radon
 - Less than 1%
 - Between 1% and 3%
 - Between 5% and 10%

NOTES

1: All datasets shown in this figure were supplied as part of the Groundsure data search request. The search area was 250m from the Works site boundary at the time of the search request.

Rev	Date	Description	GIS	Chk	App
A	18/08/2025	Environmental Statement	LP	SB	NL

nationalgrid

Scheme: PENTIR TO TRAWSFYNYDD REINFORCEMENT

Volume: VOLUME 8: APPENDICES WIDER WORKS

Document Title: FIGURE 6.A.6 POTENTIAL SOURCES OF CONTAMINATION

Creator:	Date:	Checker:	Date:	Approver:	Date:
LP	18/08/2025	SB	18/08/2025	NL	18/08/2025

Document Type:	Scale:	Format:	Sheets:	Rev:
FIGURE	1:8,000	A3	5 OF 19	A

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