

national highways
3 Piccadilly Place
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M1 3BN

P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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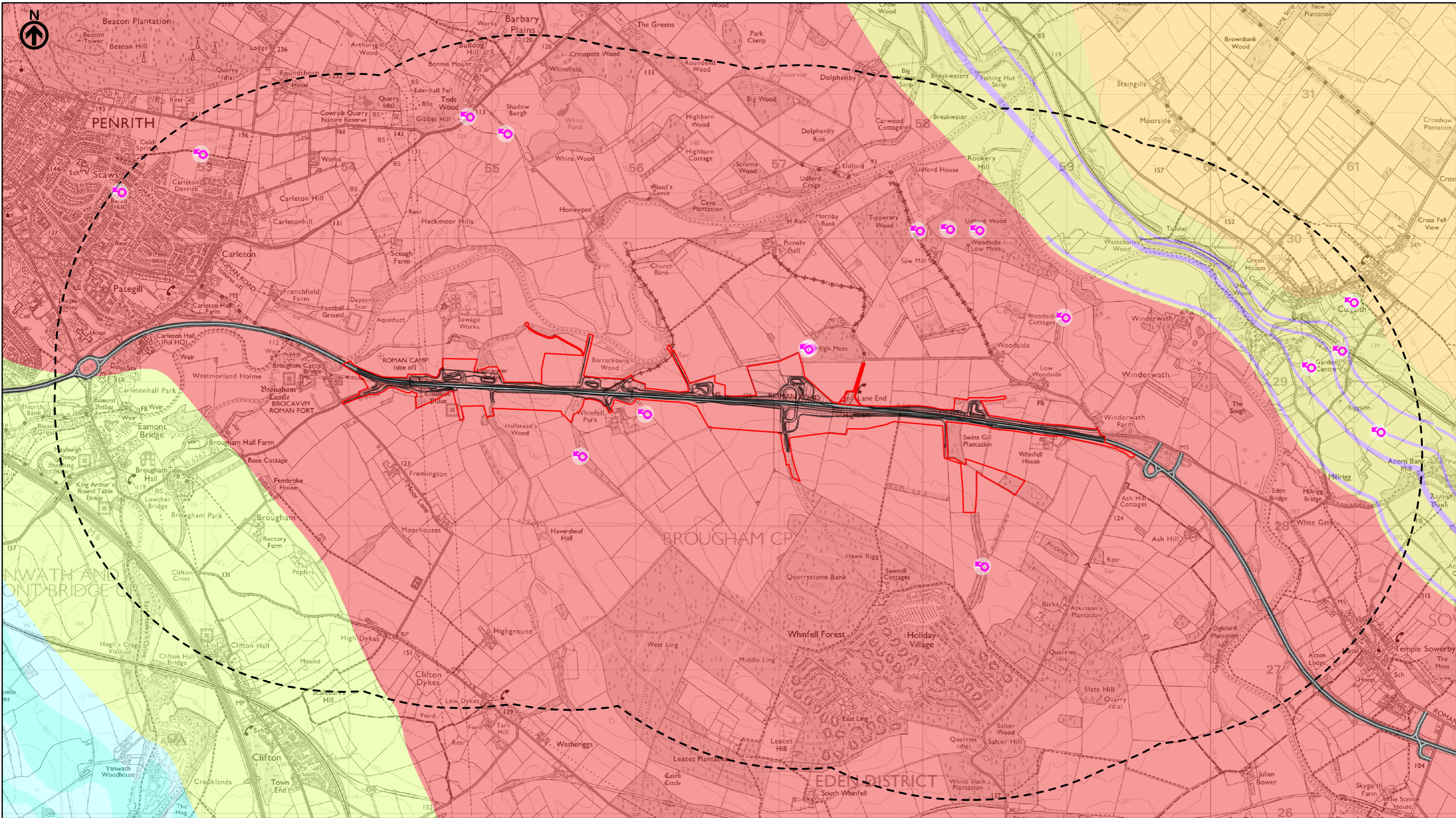
Project Name
A66 Northern Trans-Pennine Project

Map Title
14.8.1

Karst Hazard Map (Features within 2km)
Scheme: 0102, M6 Junction 40 to Kemplay Bank
Sheet 1 of 10

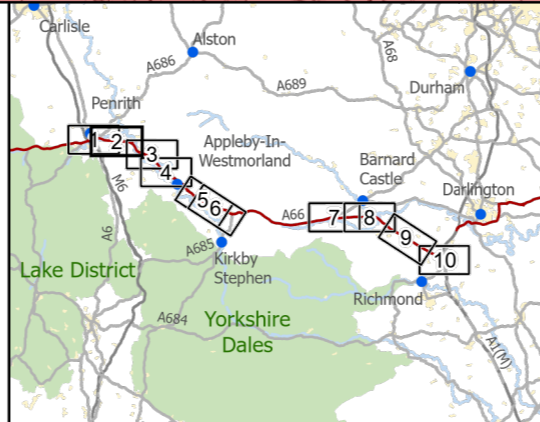
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP	- LD - 011250
Location		Type	Role

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



- Route Alignment
- Existing A66
- Order Limits
- - - Study Area 2000m
- Potential Springs
- Known Cave
- ★ Potential Enclosed Depressions
- ★ Historical Mine
- BGS 1:50k Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation - Sandstone
- Belah Dolomite
- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone

- Belah Dolomite
- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
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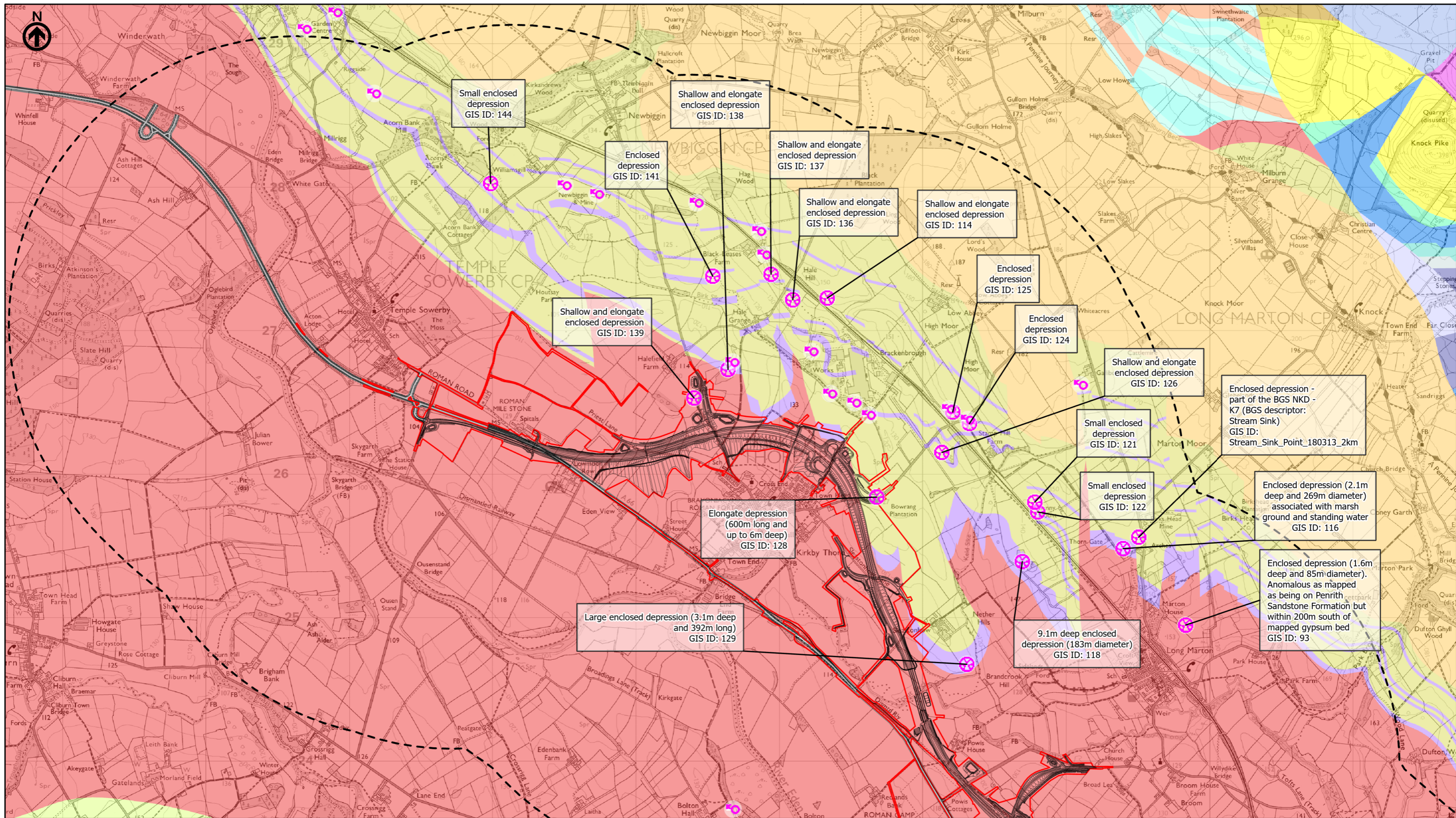
Kilometres

0 1 2

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

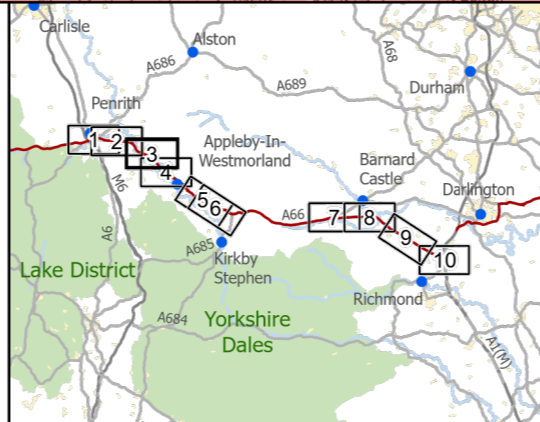
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Project Name A66 Northern Trans-Pennine Project			
Map Title 14.8.1			
Karst Hazard Map (Features within 2km)			
Scheme: 03, Penrith to Temple Sowerby			
Sheet 2 of 10			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00		-	MP - LD - 011251
Location		Type	Role Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



- Route Alignment
- Existing A66
- Order Limits
- - - Study Area 2000m
- ⊗ Potential Springs
- ⊕ Known Cave
- ⊗ Potential Enclosed Depressions
- ★ Historical Mine
- BGS 1:50k Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation -Sandstone

- Belah Dolomite
- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone

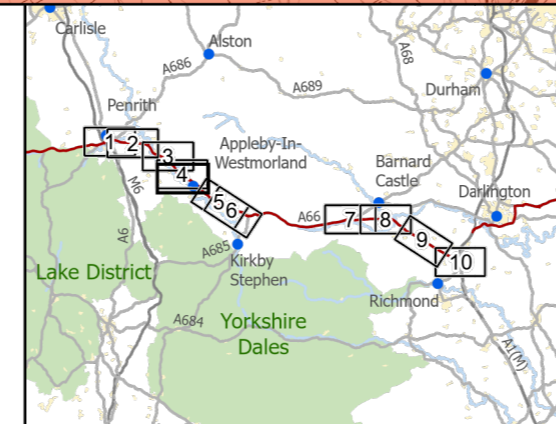
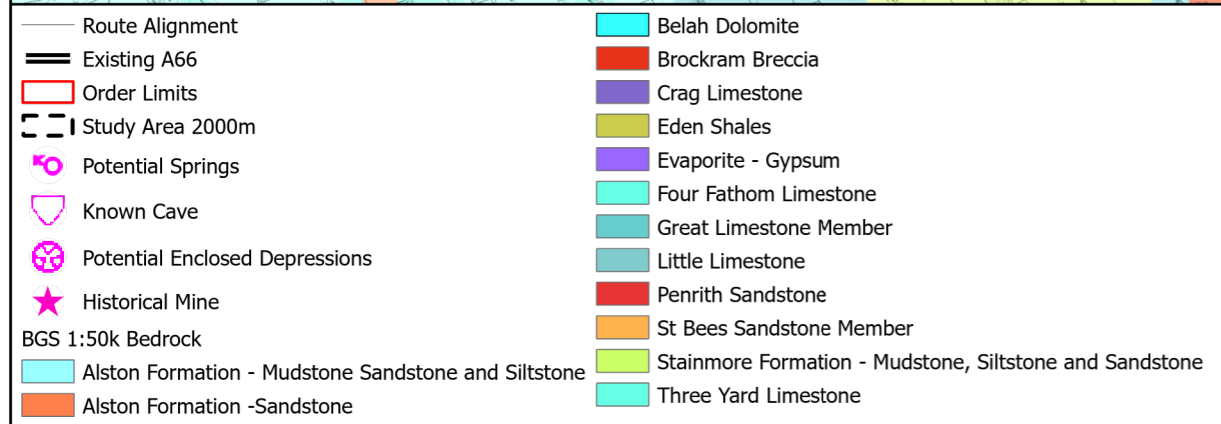
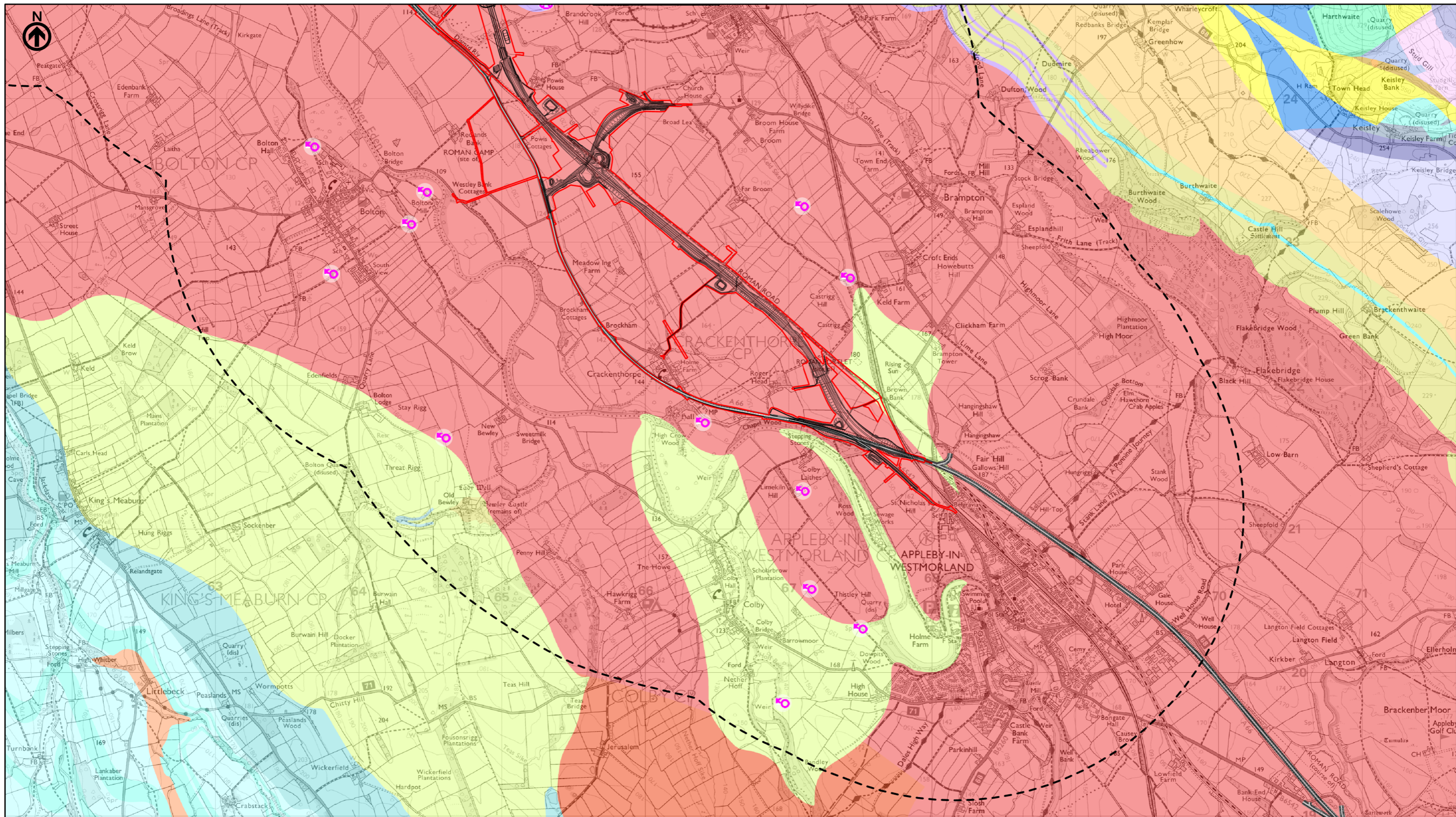


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Revision	Created	Checked	Reviewed	Approved	Authorised	

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Project Name A66 Northern Trans-Pennine Project			
Map Title 14.8.1			
Karst Hazard Map (Features within 2km)			
Scheme: 0405, Temple Sowerby to Appleby			
Sheet 3 of 10			
Map Number	Project	Originator	Volume
HE565627	-	AMY	EWE
S00	-	MP - LD	011252
Location		Type	Role
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



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P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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Project Name
A66 Northern Trans-Pennine Project

Map Title
14.8.1

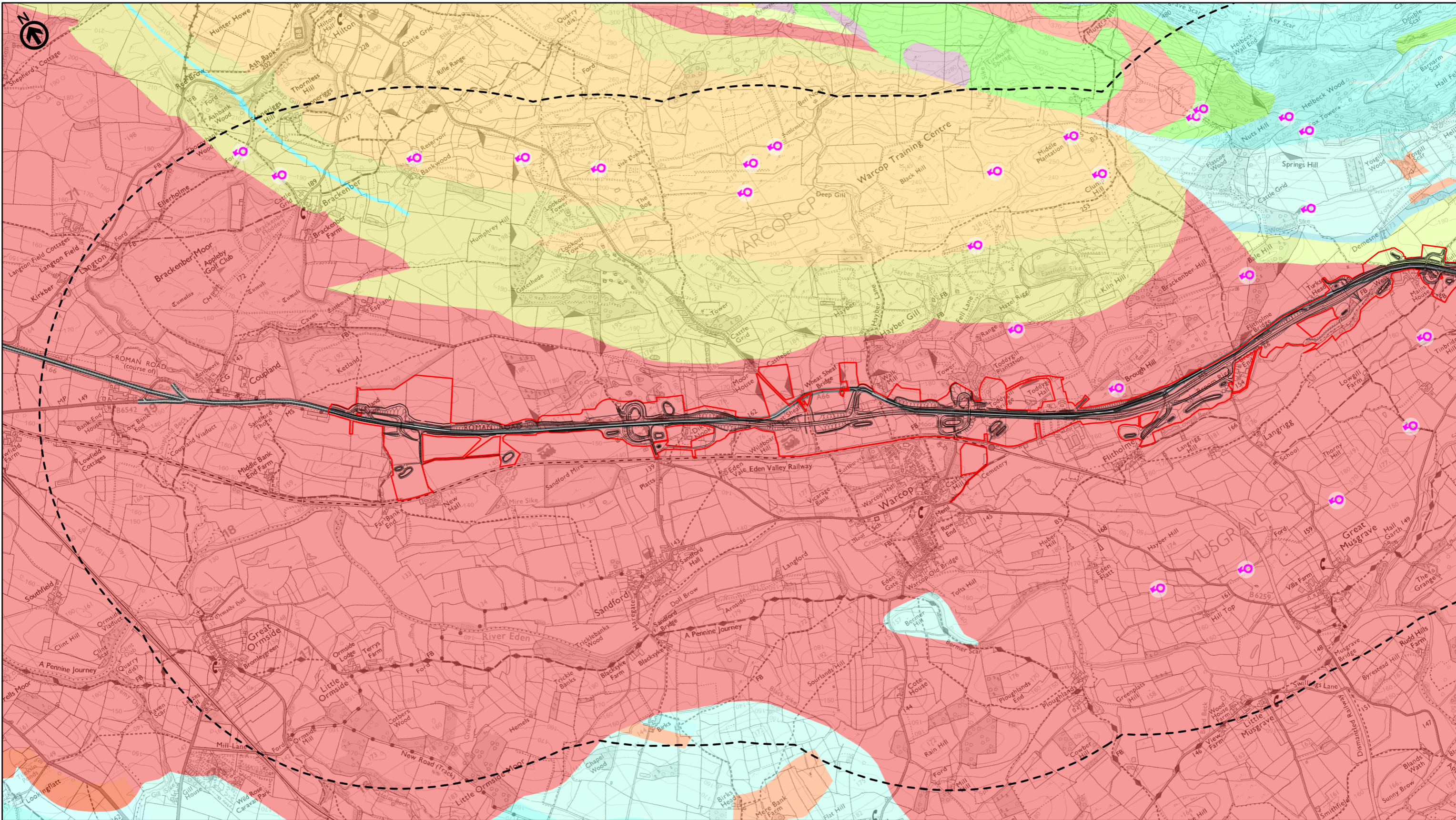
Karst Hazard Map (Features within 2km)
Scheme: 0405, Temple Sowerby to Appleby
Sheet 4 of 10

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
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Location		Type	Role

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02

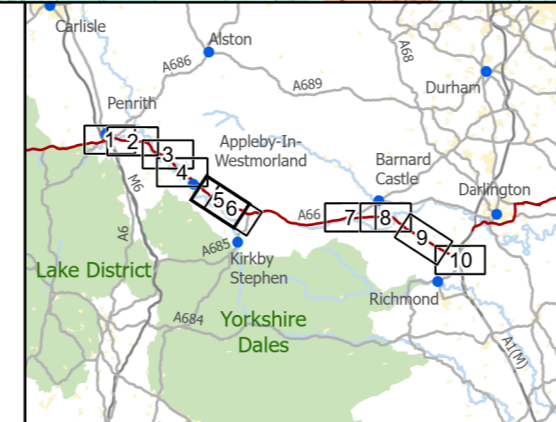
This Environmental Statement Figure meets the requirements of Regulation 5(2)(1)(iii) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure Regulations) 2009.

PINS Reference Number: TR010062/APP/3.3



- Route Alignment
- Existing A66
- Order Limits
- - - Study Area 2000m
- Potential Springs
- △ Known Cave
- ★ Potential Enclosed Depressions
- ★ Historical Mine
- BGS 1:50k Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation -Sandstone
- Belah Dolomite
- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
- Four Fathom Limestone
- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone

- Belah Dolomite
- Brockram Breccia
- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
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- St Bees Sandstone Member
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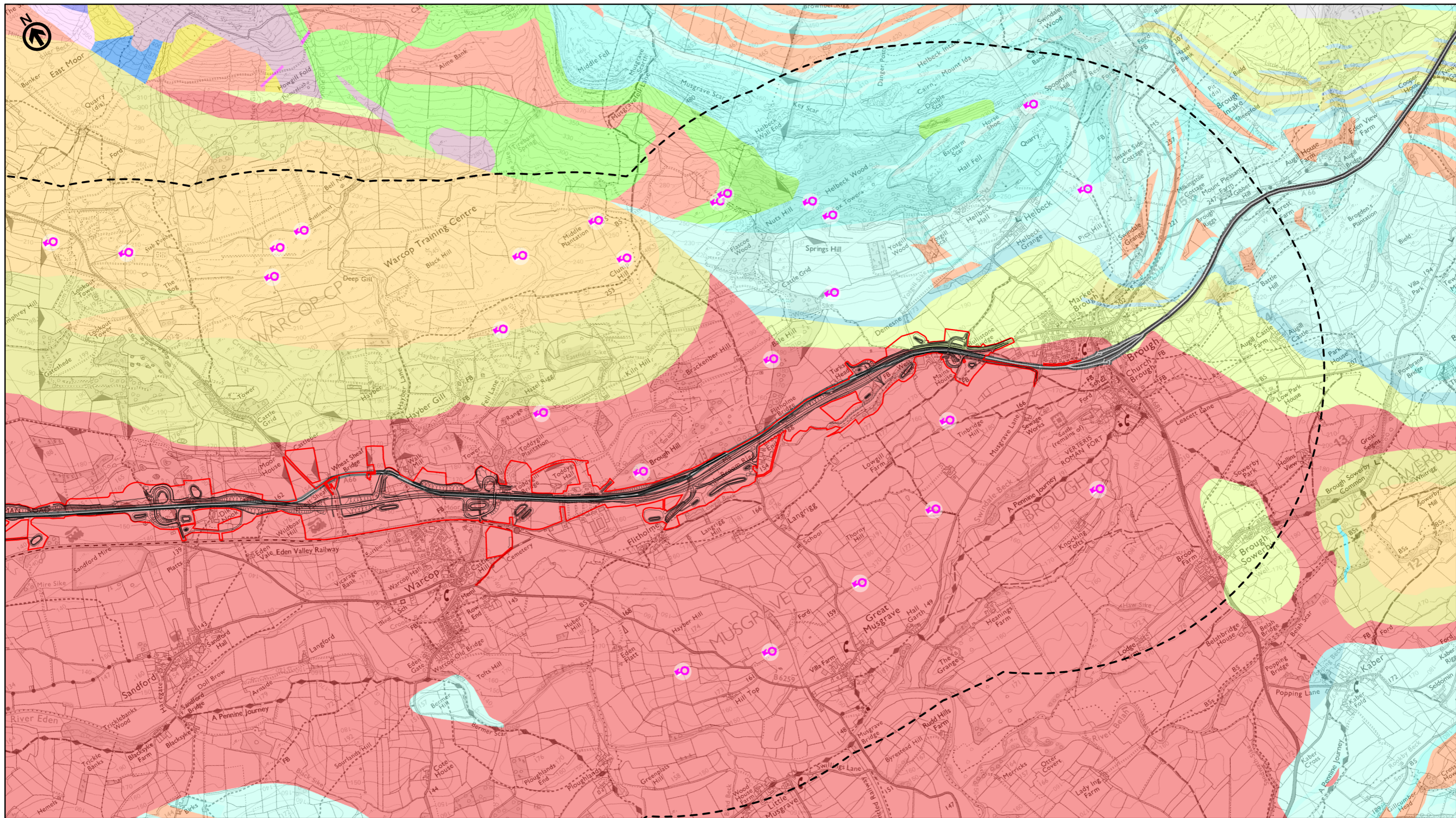
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	CESL	PKEL	BWIL	AMIT	KWHA
	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

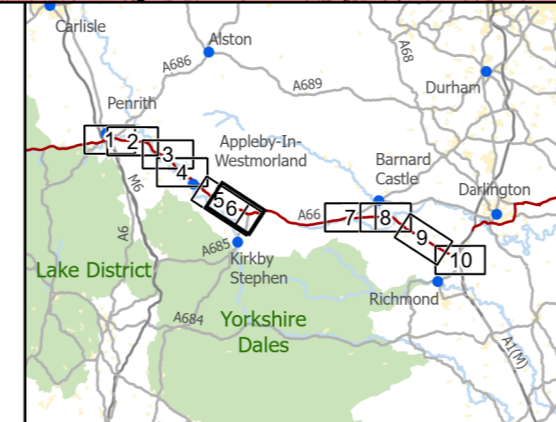
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Project Name A66 Northern Trans-Pennine Project			
Map Title 14.8.1			
Karst Hazard Map (Features within 2km)			
Scheme: 06, Appleby to Brough			
Sheet 5 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
S00	MP	LD	011254
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P03



- Route Alignment
- Existing A66
- Order Limits
- - - Study Area 2000m
- Potential Springs
- ◊ Known Cave
- ★ Potential Enclosed Depressions
- ★ Historical Mine
- BGS 1:50k Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
- Alston Formation -Sandstone

- Belah Dolomite
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- Crag Limestone
- Eden Shales
- Evaporite - Gypsum
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- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



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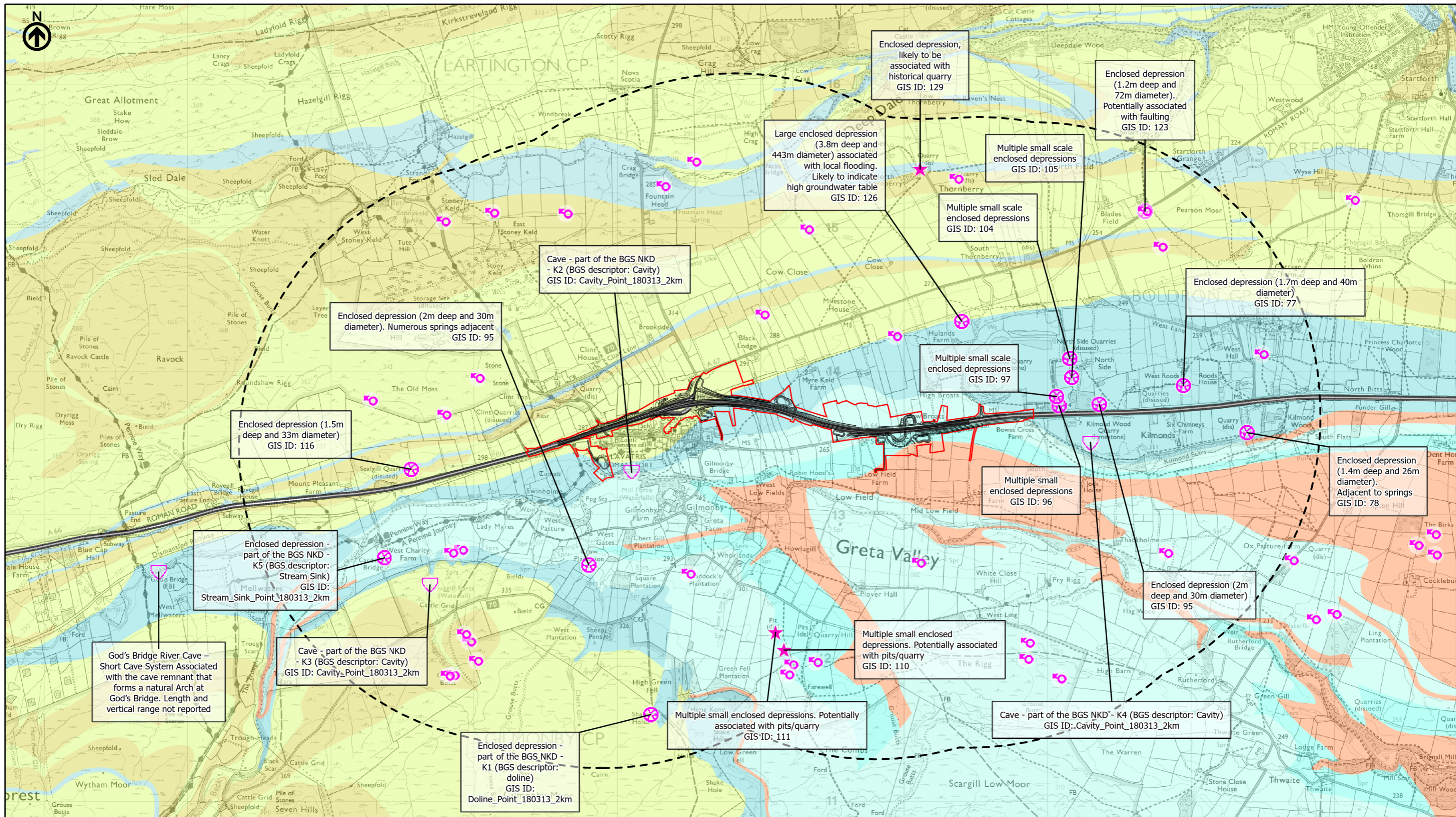
P03	Second Issue: Revised Order Limits				
	CESL	PKEL	BWIL	AMIT	KWHA
	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

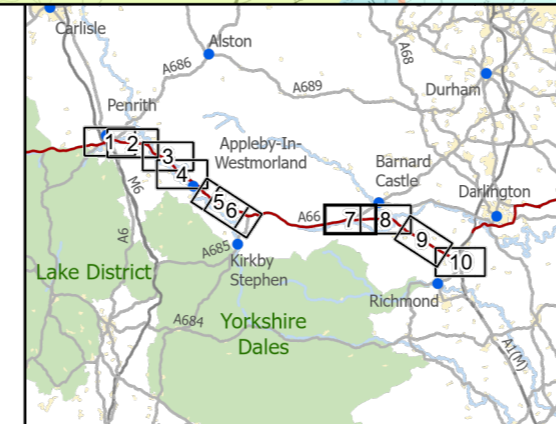
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Project Name A66 Northern Trans-Pennine Project			
Map Title 14.8.1			
Karst Hazard Map (Features within 2km)			
Scheme: 06, Appleby to Brough			
Sheet 6 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
S00 Location	MP	LD	011255
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P03



- Route Alignment
- Existing A66
- Order Limits
- - - Study Area 2000m
- ⊗ Potential Springs
- ⊕ Known Cave
- ⊗ Potential Enclosed Depressions
- ★ Historical Mine
- BGS 1:50k Bedrock
- Alston Formation - Mudstone Sandstone and Siltstone
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- Great Limestone Member
- Little Limestone
- Penrith Sandstone
- St Bees Sandstone Member
- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone

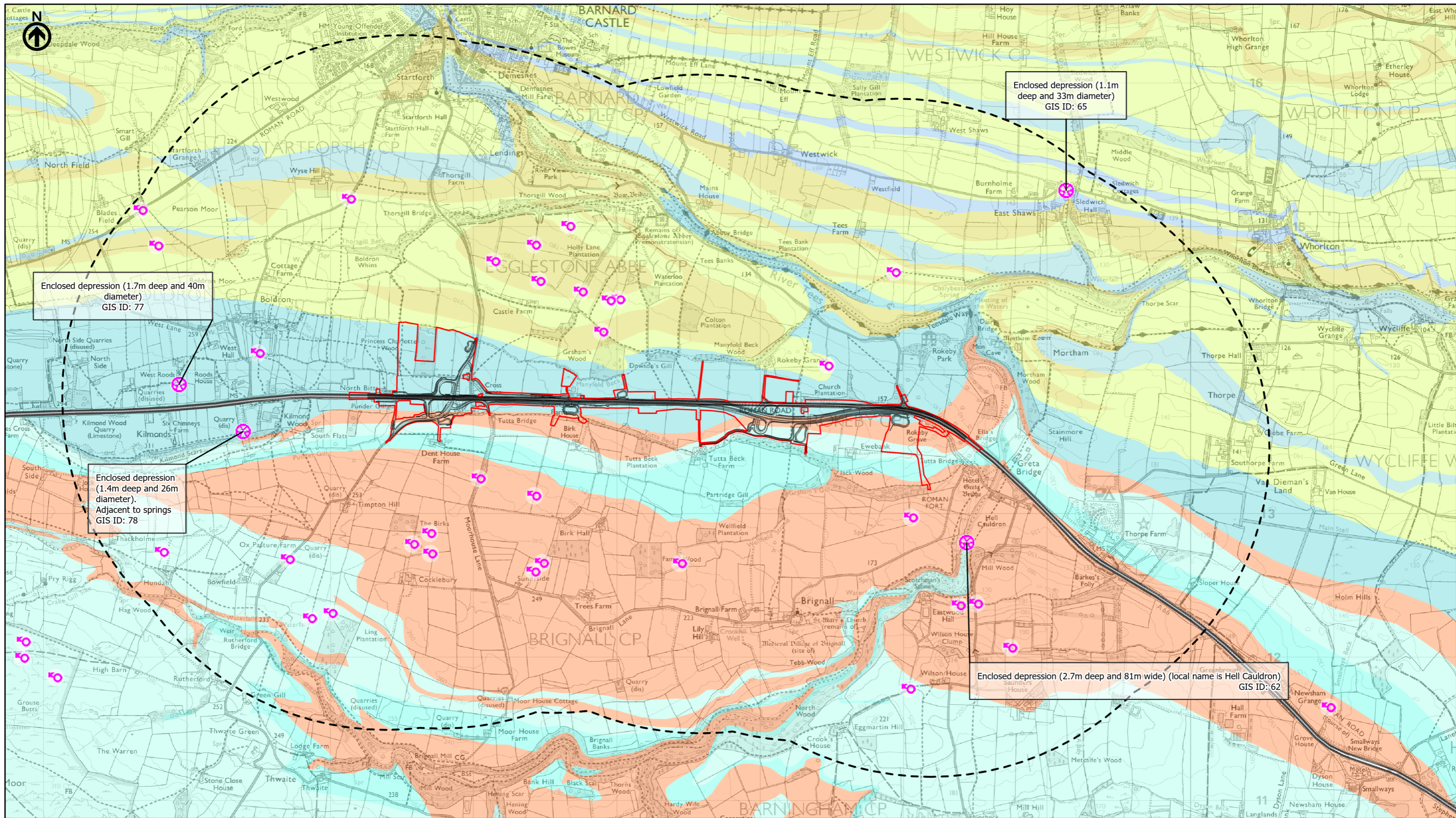


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P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	26/04/22	26/04/22
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Project Name A66 Northern Trans-Pennine Project			
Map Title 14.8.1			
Karst Hazard Map (Features within 2km) Scheme: 07, Bowes Bypass Sheet 7 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
Location S00		Type	Role
S4		MP	LD
Suitability Description FIT FOR STAGE APPROVAL		Number	Revision
		011256	P02



Enclosed depression (1.7m deep and 40m diameter)
GIS ID: 77

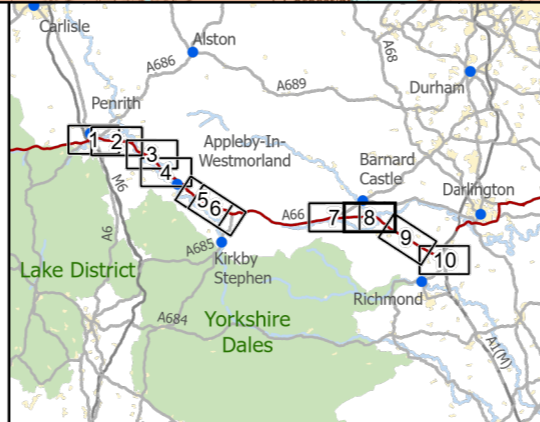
Enclosed depression (1.4m deep and 26m diameter).
Adjacent to springs
GIS ID: 78

Enclosed depression (1.1m deep and 33m diameter)
GIS ID: 65

Enclosed depression (2.7m deep and 81m wide) (local name is Hell Cauldron)
GIS ID: 62

- Route Alignment
- Existing A66
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- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone

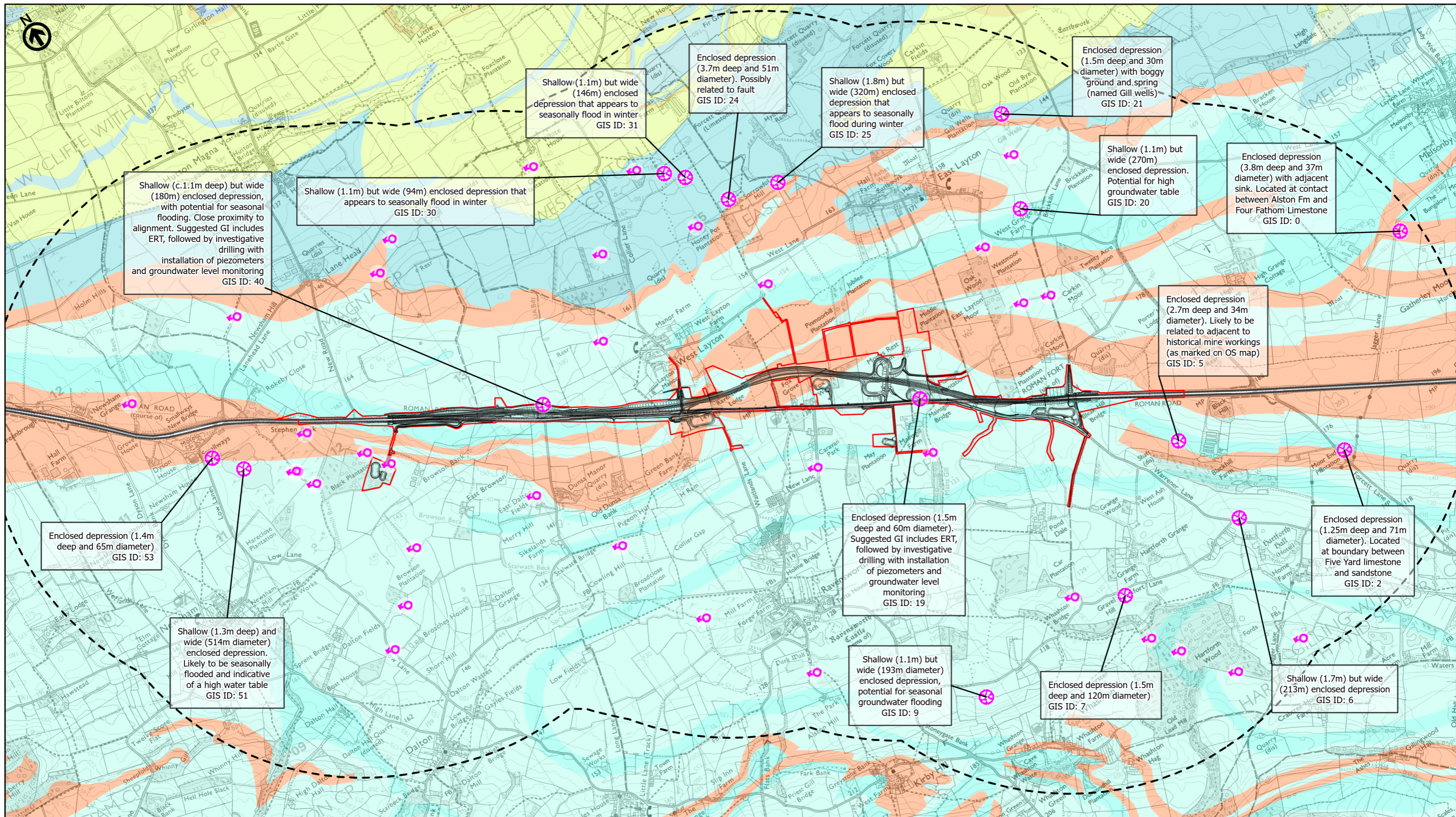


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Revision	Created	Checked	Reviewed	Approved	Authorised	

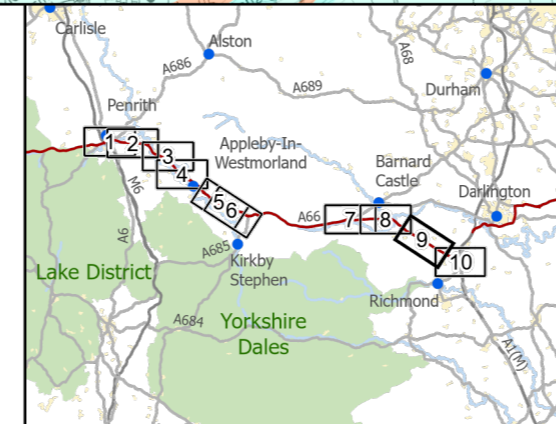
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Project Name A66 Northern Trans-Pennine Project			
Map Title 14.8.1			
Karst Hazard Map (Features within 2km)			
Scheme: 08, Cross Lanes to Rokeby			
Sheet 8 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
S00	-	MP - LD -	011257
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P02



- Route Alignment
- Existing A66
- Order Limits
- Study Area 2000m
- ⊗ Potential Springs
- ⊕ Known Cave
- ⊗ Potential Enclosed Depressions
- ★ Historical Mine
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- Great Limestone Member
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- Stainmore Formation - Mudstone, Siltstone and Sandstone
- Three Yard Limestone



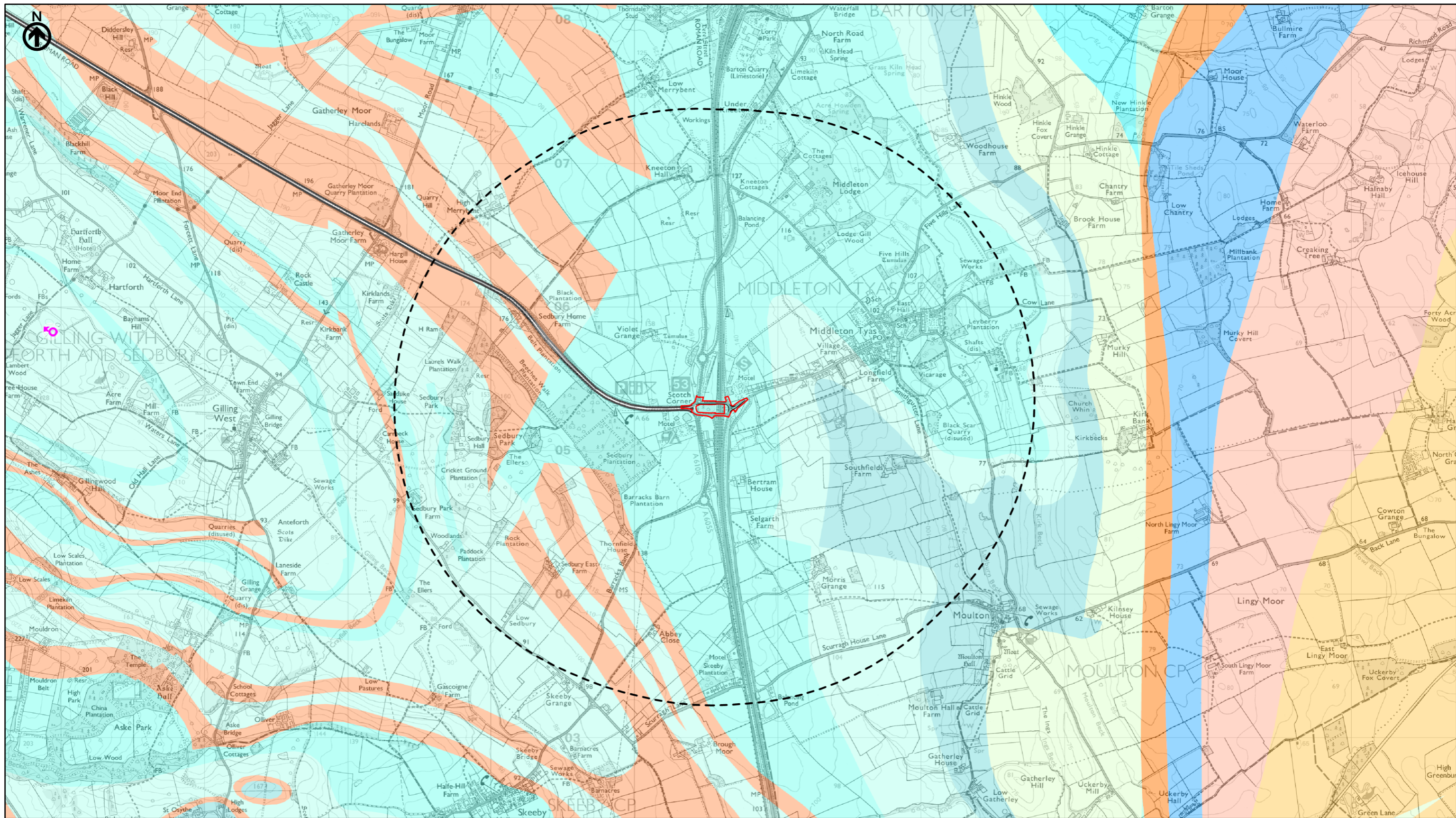
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P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
	Created	29/03/22	29/03/22	29/03/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

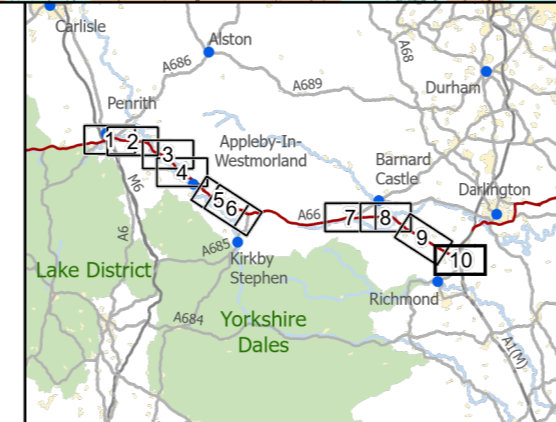
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Project Name A66 Northern Trans-Pennine Project			
Map Title 14.8.1			
Karst Hazard Map (Features within 2km)			
Scheme: 09, Stephen Bank to Carkin Moor			
Sheet 9 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
S00	MP	LD	011258
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL	Revision P02	



- Route Alignment
- Existing A66
- ▭ Order Limits
- - - Study Area 2000m
- ⊕ Potential Springs
- ⬮ Known Cave
- ⊕ Potential Enclosed Depressions
- ★ Historical Mine
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P02	First Issue				
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Kilometres

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Project Name A66 Northern Trans-Pennine Project			
Map Title 14.8.1			
Karst Hazard Map (Features within 2km)			
Scheme: 11, A1(M) Junction 53 Scotch Corner			
Sheet 10 of 10			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP	LD - 011259
Location		Type	Role Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02

This Environmental Statement Figure meets the requirements of Regulation 5(2)(1)(iii) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure Regulations) 2009.

PINS Reference Number: TR010062/APP/3.3