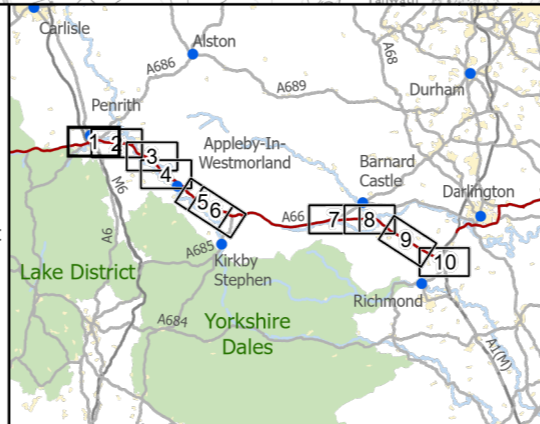


<ul style="list-style-type: none"> Route Alignment Existing A66 Order Limits Study Area 1000m 	Hydrogeological Features <ul style="list-style-type: none"> GW to SW interaction Non GWSWI Potential GW to SW interaction SW to GW interaction; Watercourse Spring Durham County Council Private Groundwater Abstraction License Private Water Abstraction Discharge Consents EA Abstraction Licences 	<ul style="list-style-type: none"> Cave Enclosed depression - gypsum karst Enclosed depression - non karst Non-enclosed depression Potential enclosed depression Potential enclosed depression - gypsum karst Valley Source Protection Zone 1 Source Protection Zone 2 Source Protection Zone 3
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P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres

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Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 14.6

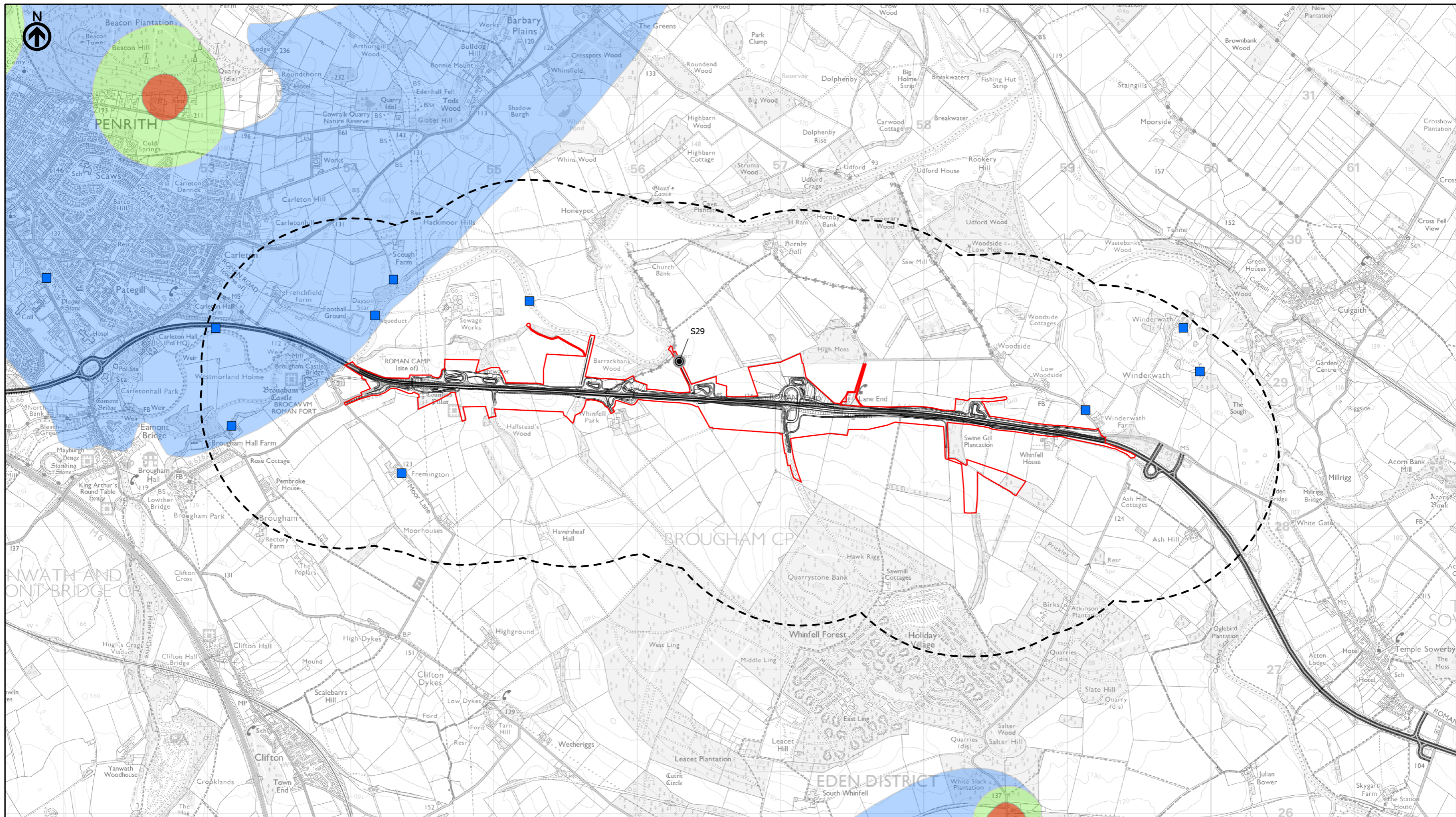
Hydrogeological Study Areas and Features

Scheme: 0102, M6 Junction 40 to Kemplay Bank

Sheet 1 of 10

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011170
Location		Type	Role

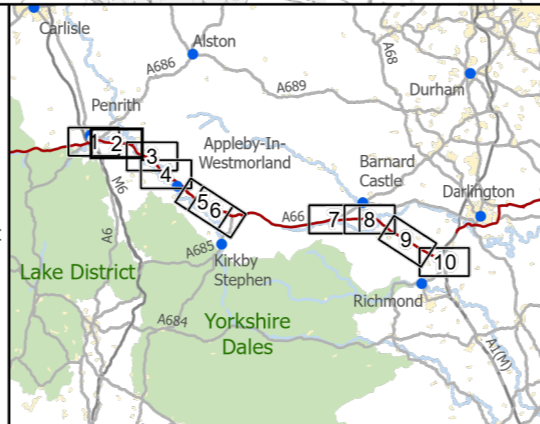
Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



— Route Alignment
 — Existing A66
 — Order Limits
 - - - Study Area 1000m

Hydrogeological Features
 + GW to SW interaction
 ● Non GWSWI
 + Potential GW to SW interaction
 - SW to GW interaction; Watercourse
 ● Spring
 ● Durham County Council Private Groundwater Abstraction License
 ● Private Water Abstraction
 ● Discharge Consents
 ● EA Abstraction Licences

▽ Cave
 ● Enclosed depression - gypsum karst
 ● Enclosed depression - non karst
 ● Non-enclosed depression
 ● Potential enclosed depression
 ● Potential enclosed depression - gypsum karst
 ▽ Valley
 ■ Source Protection Zone 1
 ■ Source Protection Zone 2
 ■ Source Protection Zone 3



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P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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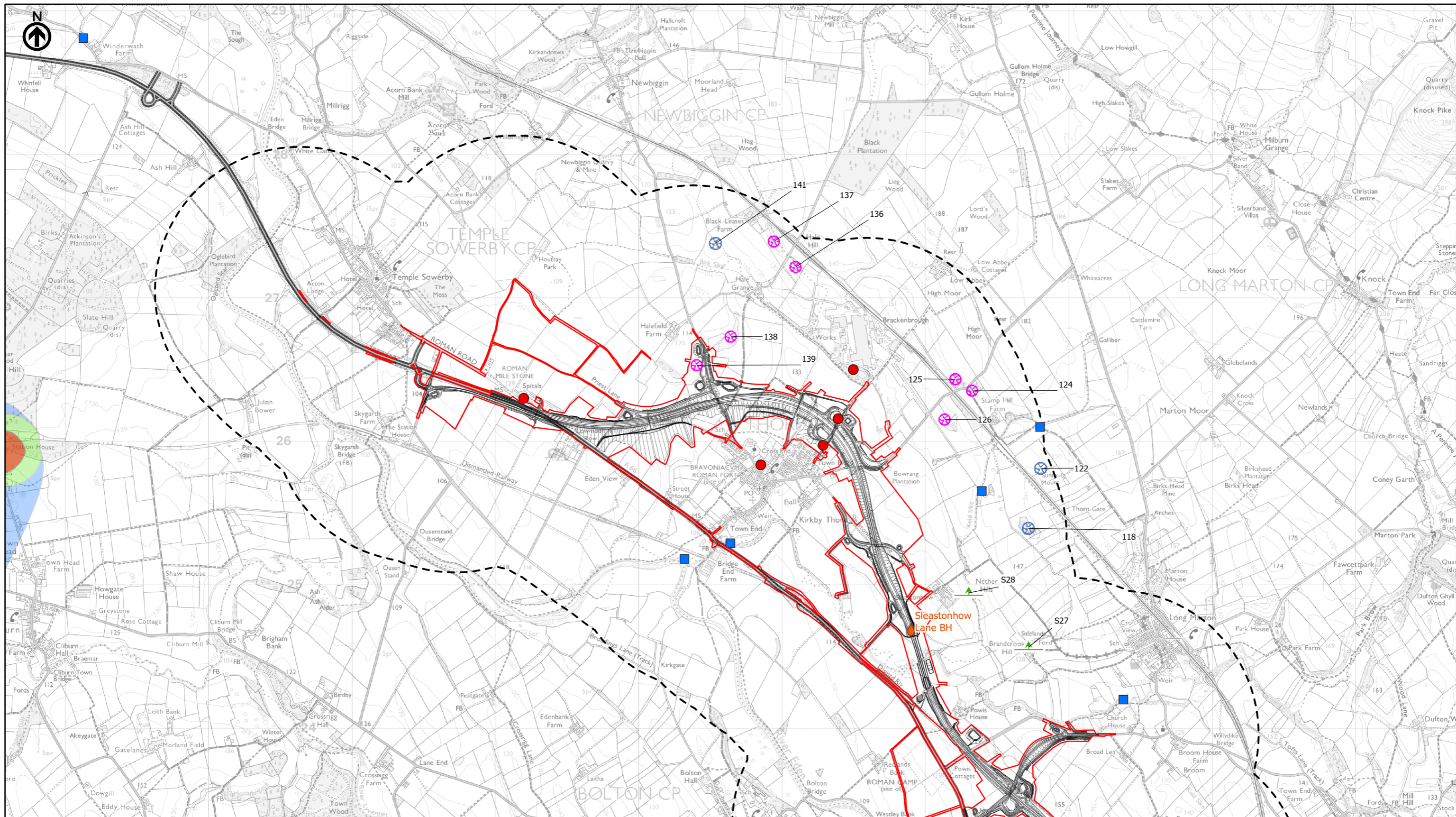
Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 14.6

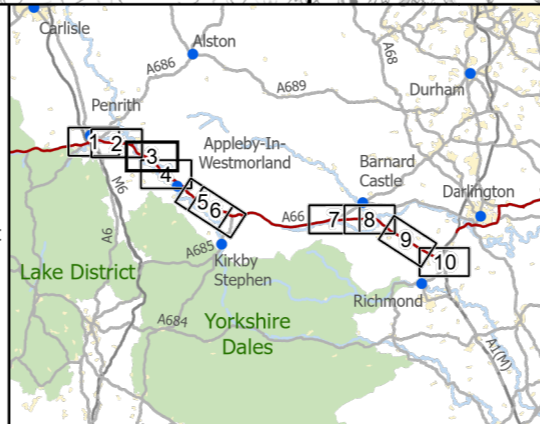
Hydrogeological Study Areas and Features
 Scheme: 03, Penrith to Temple Sowerby
 Sheet 2 of 10

Map Number	Project	Originator	Volume
HE565627	-	AMY	EWE
S00	-	MP - LD	011171
Location		Type	Role

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



<ul style="list-style-type: none"> Route Alignment Existing A66 Order Limits Study Area 1000m 	<p>Hydrogeological Features</p> <ul style="list-style-type: none"> GW to SW interaction Non GWSWI Potential GW to SW interaction SW to GW interaction; Watercourse Spring Durham County Council Private Groundwater Abstraction License Private Water Abstraction Discharge Consents EA Abstraction Licences 	<ul style="list-style-type: none"> Cave Enclosed depression - gypsum karst Enclosed depression - non karst Non-enclosed depression Potential enclosed depression Potential enclosed depression - gypsum karst Valley Source Protection Zone 1 Source Protection Zone 2 Source Protection Zone 3
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P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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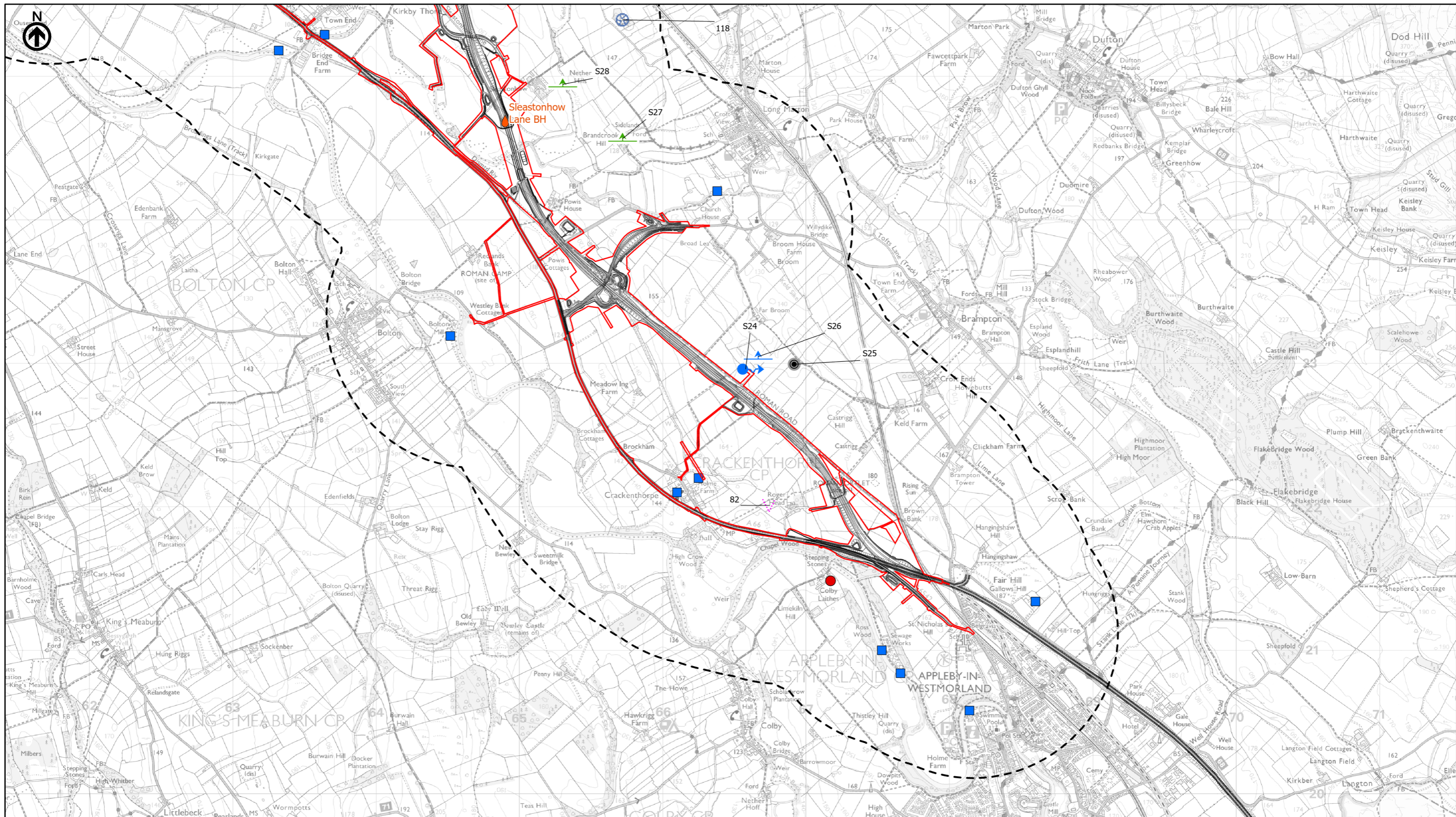
Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 14.6

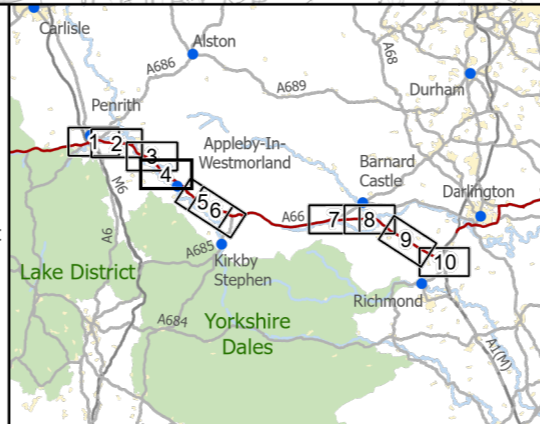
Hydrogeological Study Areas and Features
Scheme: 0405, Temple Sowerby to Appleby
Sheet 3 of 10

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011172
Location		Type	Role

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



<ul style="list-style-type: none"> Route Alignment Existing A66 Order Limits Study Area 1000m 	<p>Hydrogeological Features</p> <ul style="list-style-type: none"> GW to SW interaction Non GWSWI Potential GW to SW interaction SW to GW interaction; Watercourse Spring Durham County Council Private Groundwater Abstraction License Private Water Abstraction Discharge Consents EA Abstraction Licences 	<ul style="list-style-type: none"> Cave Enclosed depression - gypsum karst Enclosed depression - non karst Non-enclosed depression Potential enclosed depression Potential enclosed depression - gypsum karst Valley Source Protection Zone 1 Source Protection Zone 2 Source Protection Zone 3
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P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres

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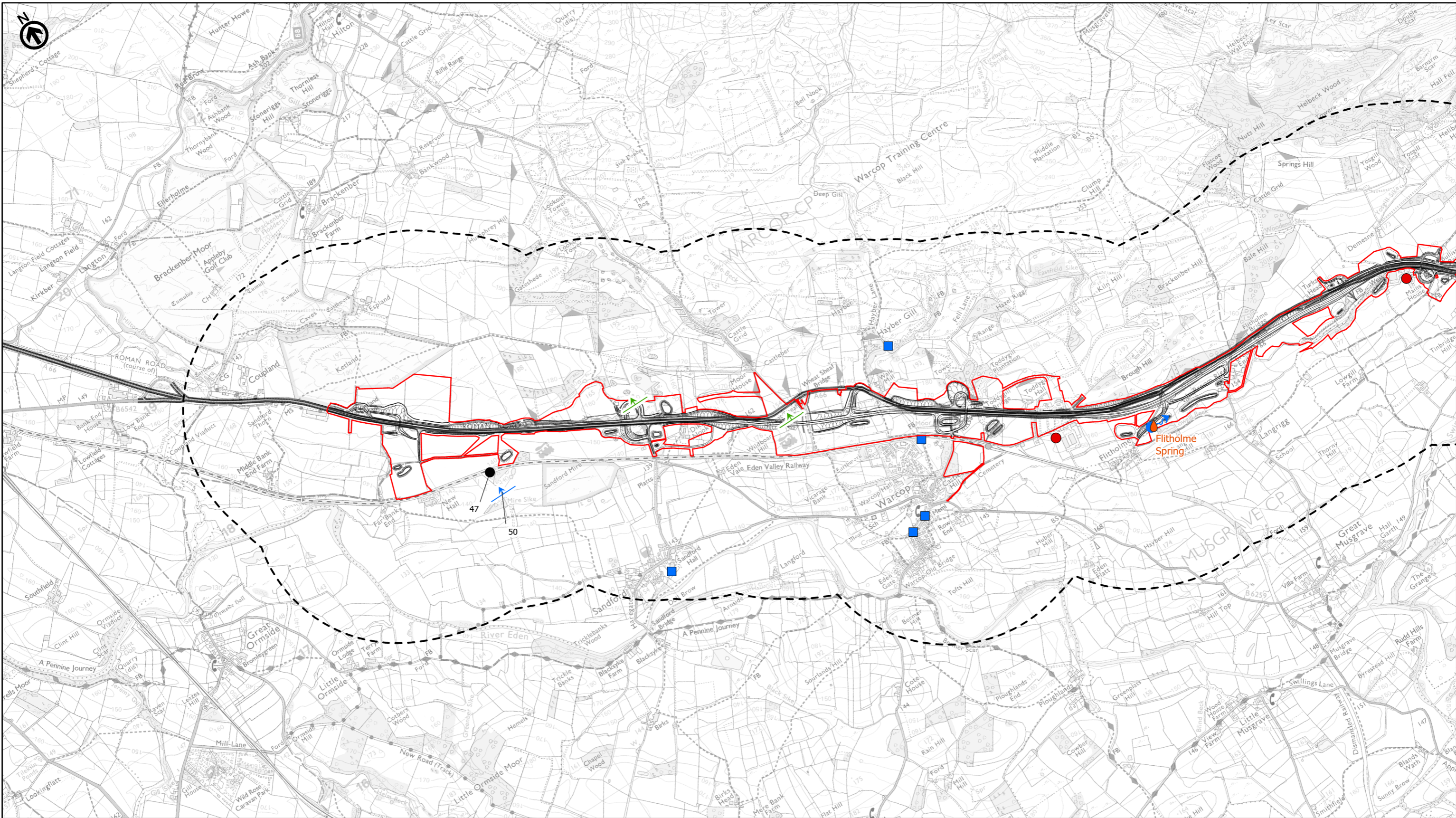
Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 14.6

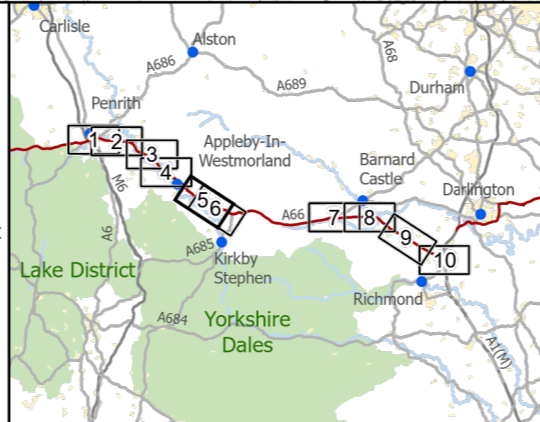
Hydrogeological Study Areas and Features
Scheme: 0405, Temple Sowerby to Appleby
Sheet 4 of 10

Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	MP	LD	011173

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



<ul style="list-style-type: none"> — Route Alignment — Existing A66 □ Order Limits ⊞ Study Area 1000m 	<p>Hydrogeological Features</p> <ul style="list-style-type: none"> ↔ GW to SW interaction ● Non GWSWI ↔ Potential GW to SW interaction ↔ SW to GW interaction; Watercourse ● Spring 🔥 Durham County Council Private Groundwater Abstraction License 🔥 Private Water Abstraction 🔵 Discharge Consents 🔴 EA Abstraction Licences 	<ul style="list-style-type: none"> ⚠ Cave ⊗ Enclosed depression - gypsum karst ● Enclosed depression - non karst ● Non-enclosed depression ⊗ Potential enclosed depression ⊗ Potential enclosed depression - gypsum karst ⚡ Valley 🔴 Source Protection Zone 1 🟢 Source Protection Zone 2 🟡 Source Protection Zone 3
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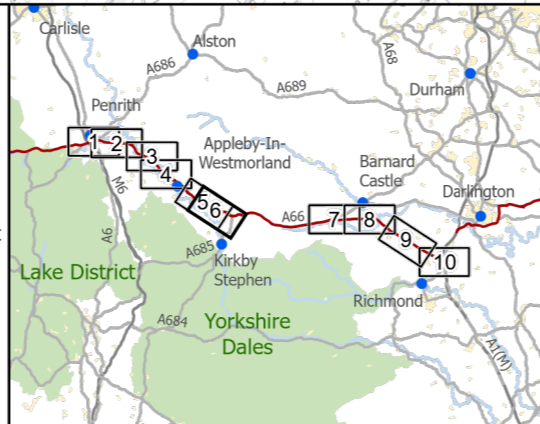
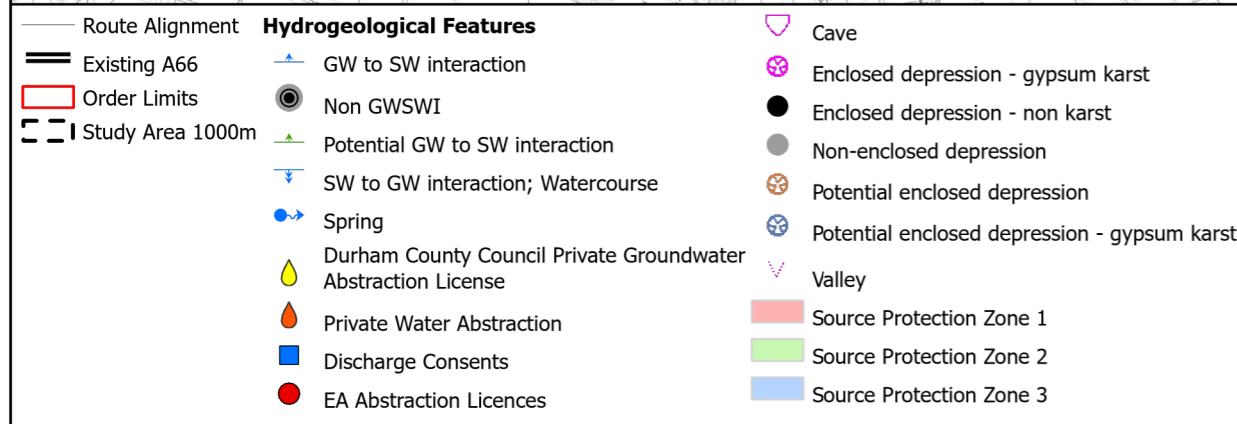
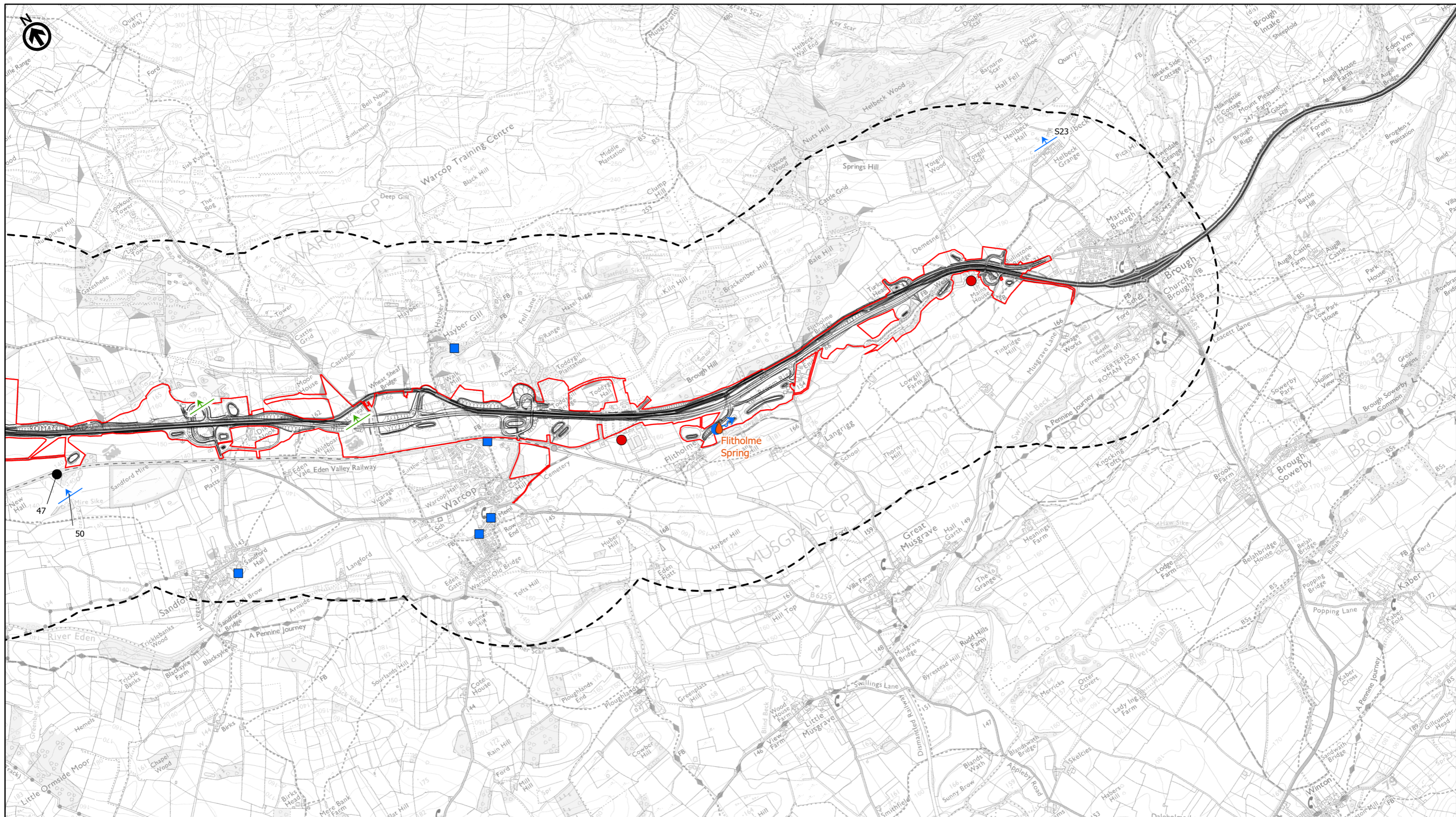
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P02	First Issue				
	CESL	LHAN	MBRE	AMIT	KWHA
	29/03/22	29/03/22	29/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised

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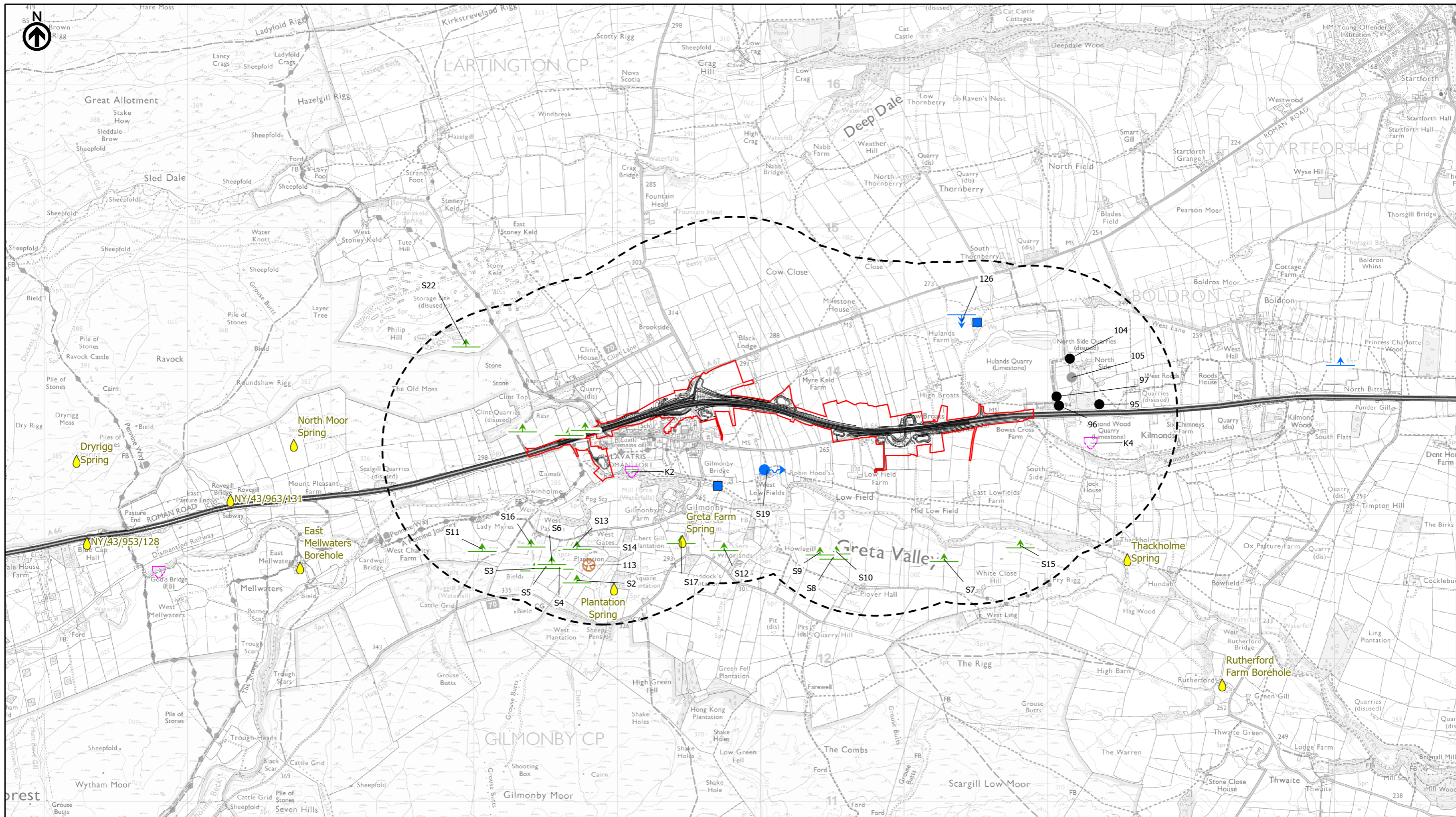
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Map Title Figure 14.6			
Hydrogeological Study Areas and Features			
Scheme: 06, Appley to Brough			
Sheet 5 of 10			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011174
Location		Type	Role
Suitability	S4	FIT FOR STAGE APPROVAL	
Revision	P02		

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



P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	
Kilometres						
0 1 2						
Scale @ A3: 1:25,000 Project Ref No HE565627 Stage: Stage 3						
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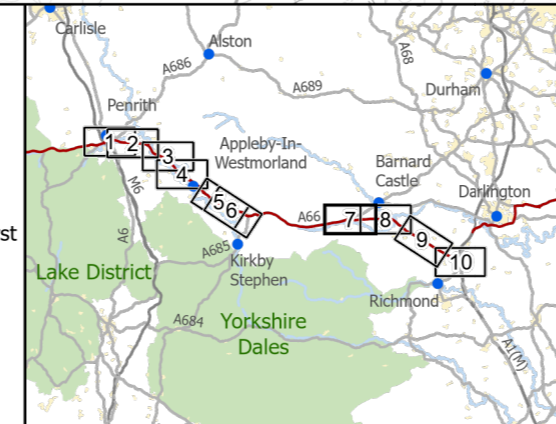
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Map Title Figure 14.6			
Hydrogeological Study Areas and Features			
Scheme: 06, Appleby to Brough			
Sheet 6 of 10			
Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP - LD	-
Location		Type	Role
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



— Route Alignment
 — Existing A66
 — Order Limits
 — Study Area 1000m

Hydrogeological Features
 — GW to SW interaction
 — Non GWSWI
 — Potential GW to SW interaction
 — SW to GW interaction; Watercourse
 — Spring
 — Durham County Council Private Groundwater Abstraction License
 — Private Water Abstraction
 — Discharge Consents
 — EA Abstraction Licences

— Cave
 — Enclosed depression - gypsum karst
 — Enclosed depression - non karst
 — Non-enclosed depression
 — Potential enclosed depression
 — Potential enclosed depression - gypsum karst
 — Valley
 — Source Protection Zone 1
 — Source Protection Zone 2
 — Source Protection Zone 3



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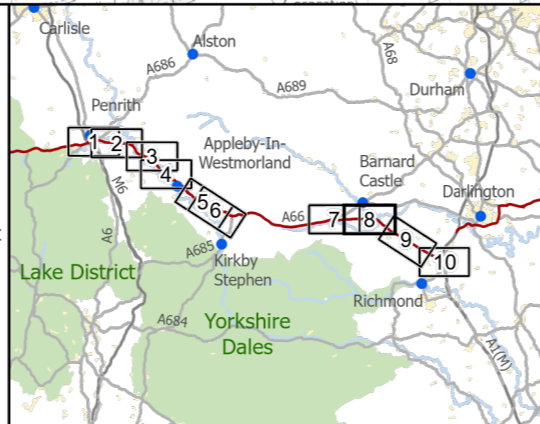
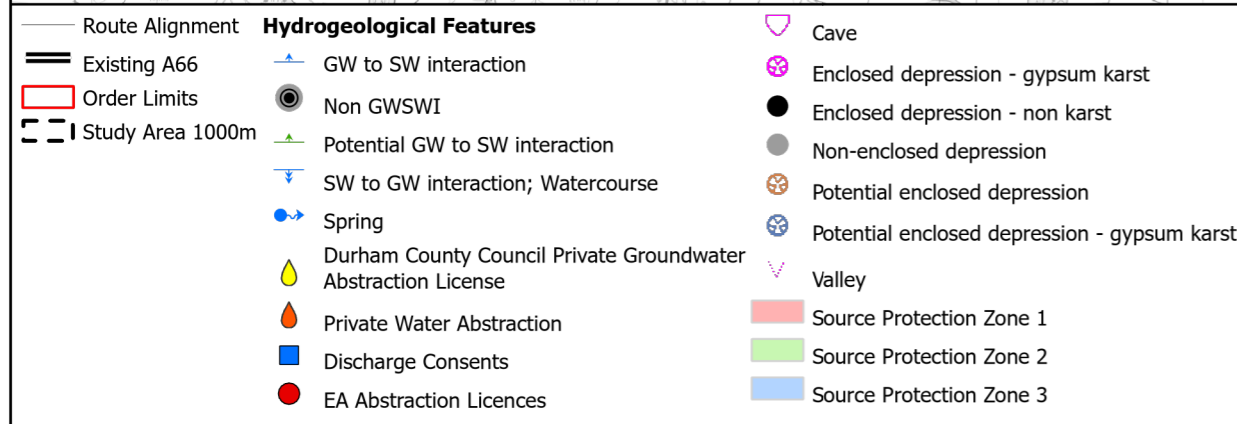
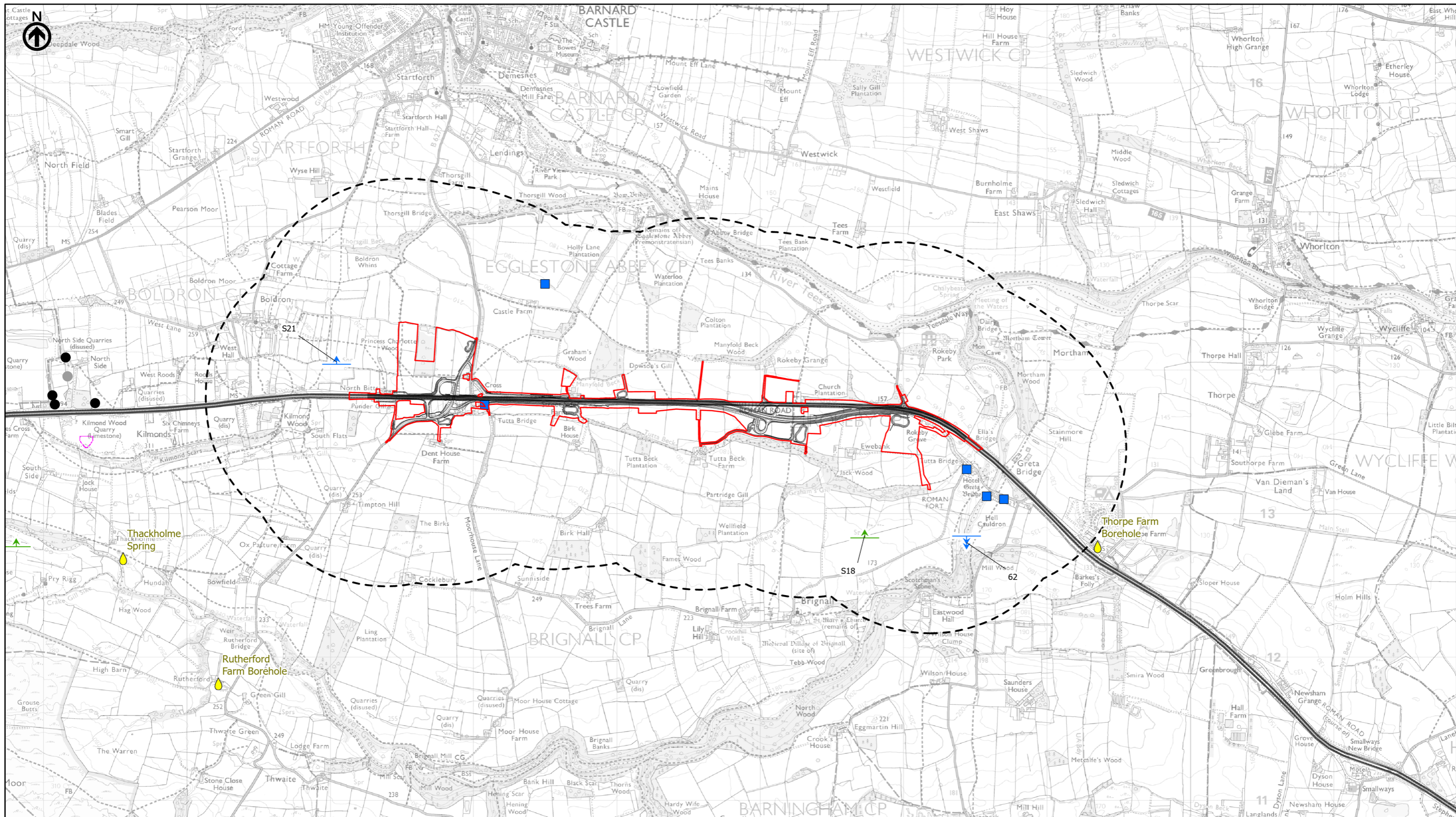
P02	First Issue	CESL	LHAN	MBRE	AMIT	KWAH
		29/03/22	29/03/22	29/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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Project Name
A66 Northern Trans-Pennine Project
 Map Title
Figure 14.6
Hydrogeological Study Areas and Features
 Scheme: 07, Bowes Bypass
 Sheet 7 of 10

Map Number	Project	Originator	Volume
HE565627	-	AMY	EWE
S00	-	MP - LD	011176
Location		Type	Role

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



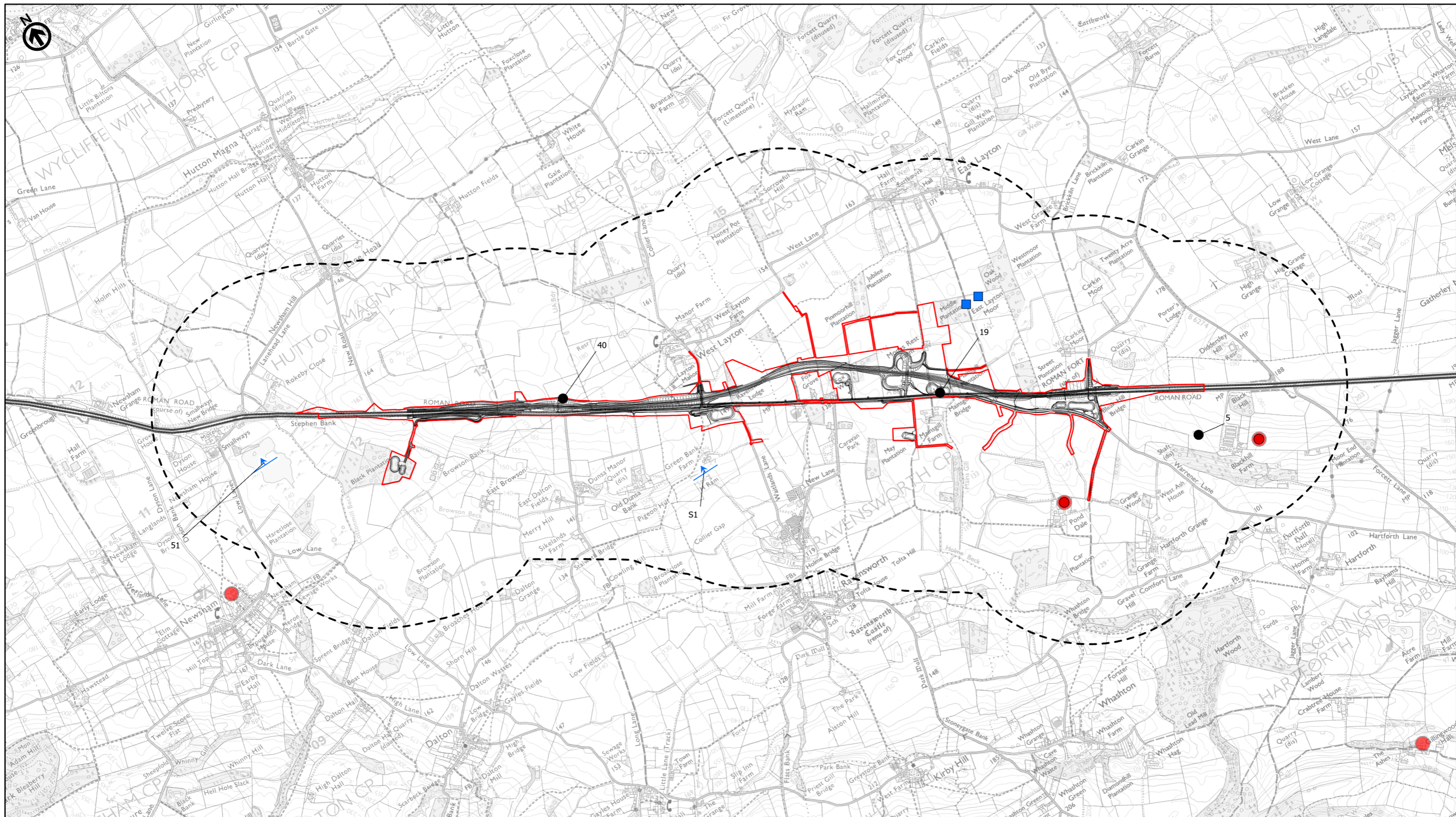
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P02	First Issue				
	CESL	LHAN	MBRE	AMIT	KWHA
	29/03/22	29/03/22	29/03/22	20/04/22	20/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised

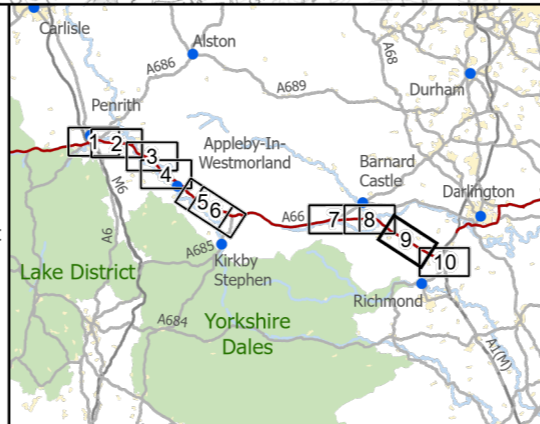
Kilometres
0 1 2

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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 14.6			
Hydrogeological Study Areas and Features			
Scheme: 08, Cross Lanes to Rokeby			
Sheet 8 of 10			
Map Number	Project	Originator	Volume
HE565627		AMY	EWE
S00		MP	LD
Location		Type	Role
			Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



<ul style="list-style-type: none"> — Route Alignment — Existing A66 □ Order Limits ⊞ Study Area 1000m 	<p>Hydrogeological Features</p> <ul style="list-style-type: none"> ↔ GW to SW interaction ● Non GWSWI ↔ Potential GW to SW interaction ↔ SW to GW interaction; Watercourse ● Spring 🔥 Durham County Council Private Groundwater Abstraction License 🔥 Private Water Abstraction 🔥 Discharge Consents ● EA Abstraction Licences 	<ul style="list-style-type: none"> ⚠ Cave ⊞ Enclosed depression - gypsum karst ● Enclosed depression - non karst ● Non-enclosed depression ⊞ Potential enclosed depression ⊞ Potential enclosed depression - gypsum karst ⚠ Valley 🟠 Source Protection Zone 1 🟡 Source Protection Zone 2 🟢 Source Protection Zone 3
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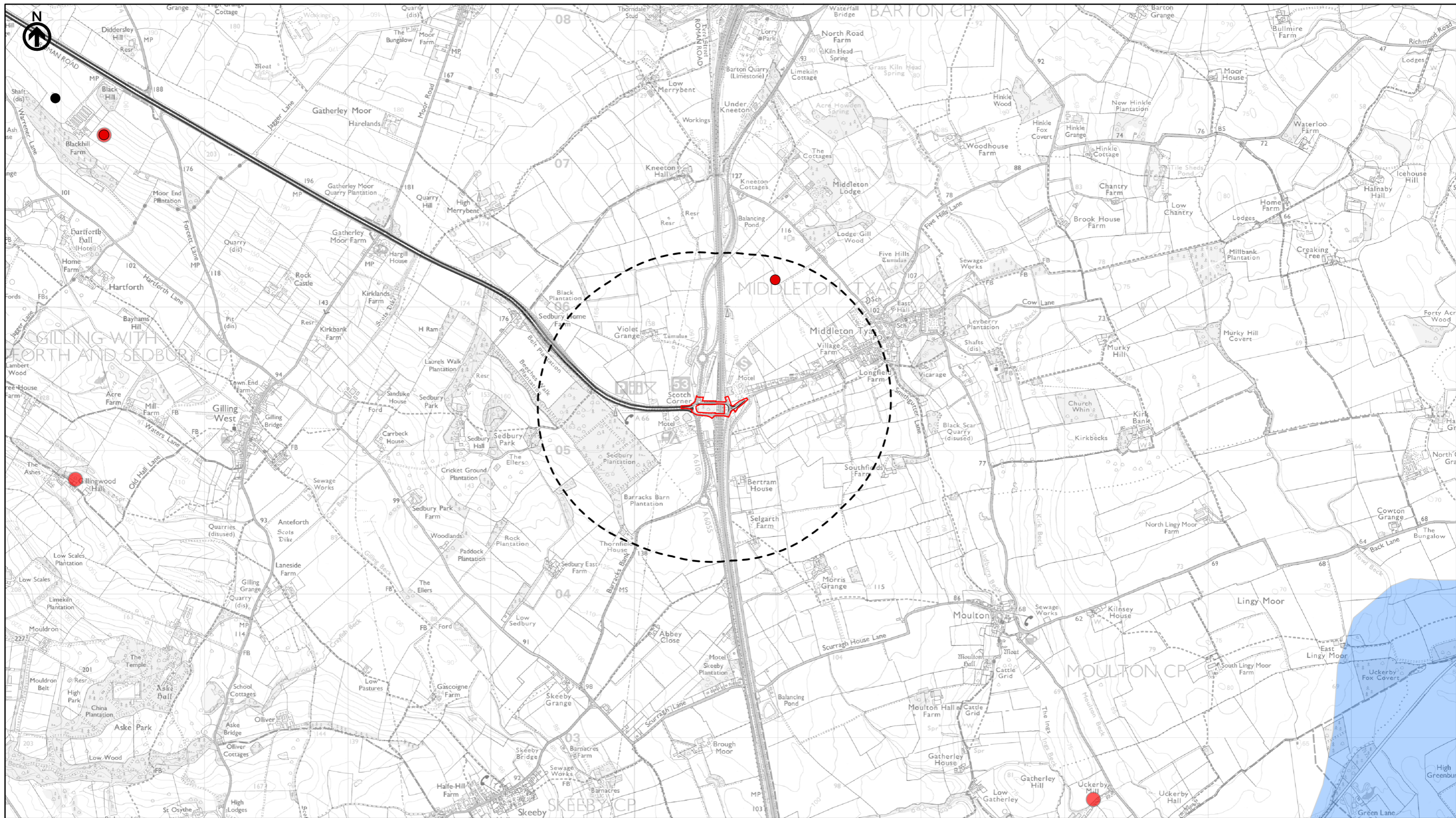


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P02	First Issue	CESL	LHAN	MBRE	AMIT	KWHA
		29/03/22	29/03/22	29/03/22	20/04/22	20/04/22
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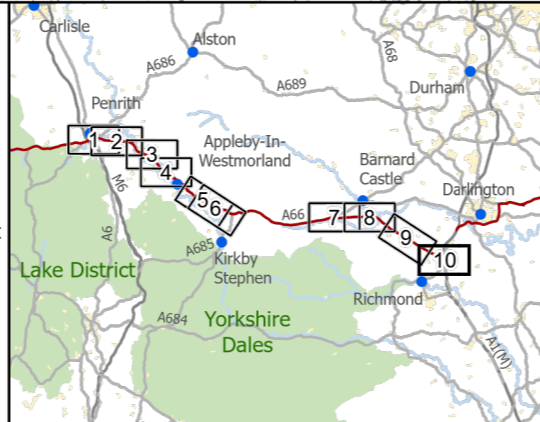
Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 14.6			
Hydrogeological Study Areas and Features Scheme: 09, Stephen Bank to Carkin Moor			
Sheet 9 of 10			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
S00	-	MP - LD -	011178
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P02



— Route Alignment
 — Existing A66
 [Red Outline] Order Limits
 [Dashed Line] Study Area 1000m

Hydrogeological Features

- [Blue Arrow] GW to SW interaction
- [Black Circle] Non GWSWI
- [Green Arrow] Potential GW to SW interaction
- [Blue Arrow] SW to GW interaction; Watercourse
- [Blue Circle] Spring
- [Yellow Circle] Durham County Council Private Groundwater Abstraction License
- [Orange Circle] Private Water Abstraction
- [Blue Square] Discharge Consents
- [Red Circle] EA Abstraction Licences
- [Purple Triangle] Cave
- [Pink Circle] Enclosed depression - gypsum karst
- [Black Circle] Enclosed depression - non karst
- [Grey Circle] Non-enclosed depression
- [Orange Circle] Potential enclosed depression
- [Blue Circle] Potential enclosed depression - gypsum karst
- [Purple Triangle] Valley
- [Red Square] Source Protection Zone 1
- [Green Square] Source Protection Zone 2
- [Blue Square] Source Protection Zone 3



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P02	First Issue				
	CESL	LHAN	MBRE	AMIT	KWHA
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Project Name
A66 Northern Trans-Pennine Project
 Map Title
Figure 14.6
Hydrogeological Study Areas and Features
 Scheme: 11, A1(M) Junction 53 Scotch Corner
 Sheet 10 of 10

Map Number	Project	Originator	Volume
HE565627	-	AMY	EWE
S00	-	MP	LD
Location		Type	Role
S4			

Suitability S4 | Suitability Description: FIT FOR STAGE APPROVAL | Revision: P02