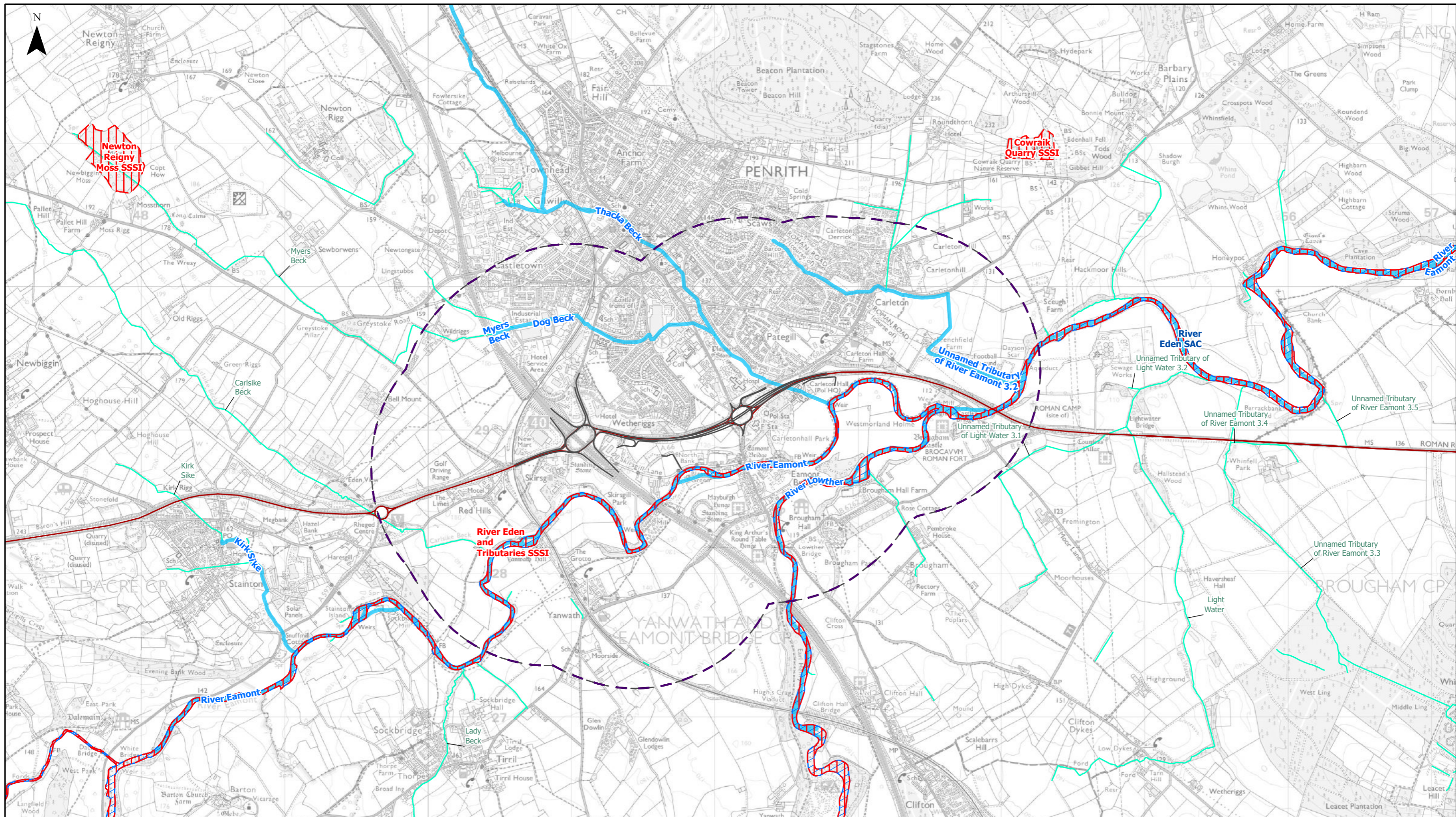


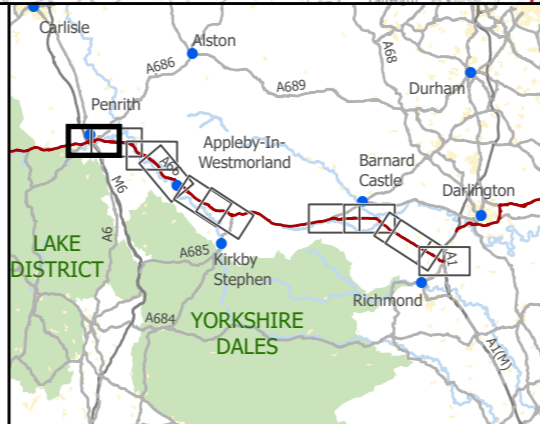
## A66 Northern Trans-Pennine

### Figures - 14. Road Drainage & the Water Environment



— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [ ] 1km Study Area - Combined Scheme Draft DCO Boundaries  
 [ ] Study Area 1km - Scheme Alignment  
 [ ] Study Area 1km - Blue Alternative

**Surface Water Features**  
 — Main Rivers  
 — Surface Watercourse  
 [ ] Site of Special Scientific Interest (SSSI)  
 [ ] Special Protection Areas (SPA)  
 [ ] Special Areas of Conservation (SAC)



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	CESL	MMAT	MBRE	KWHA	AMIT
	20/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

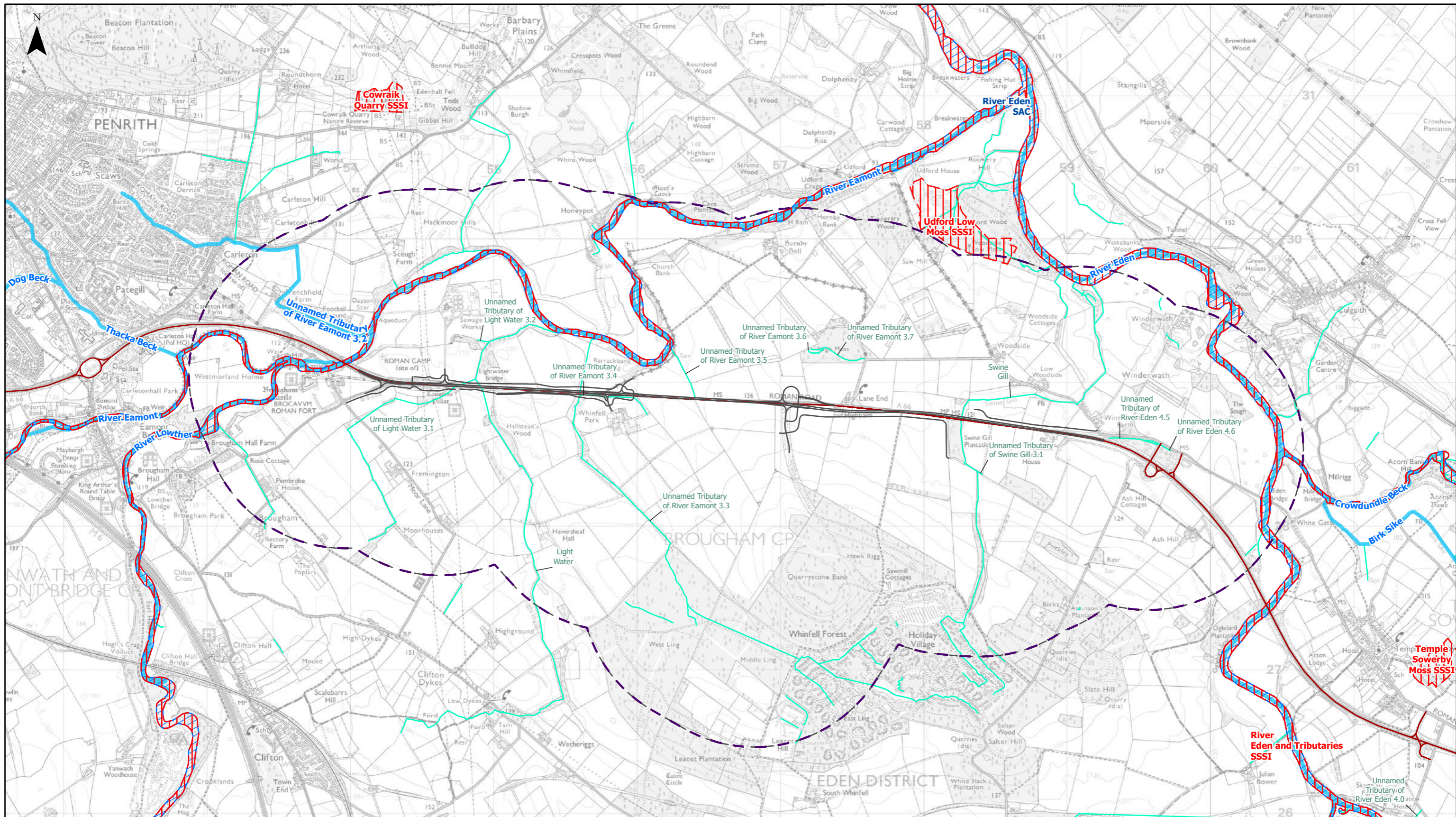
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.1  
 Surface Water Features  
 Sheet 1 of 15  
 M6 Junction 40 to Kemplay Bank  
 Scheme Centreline

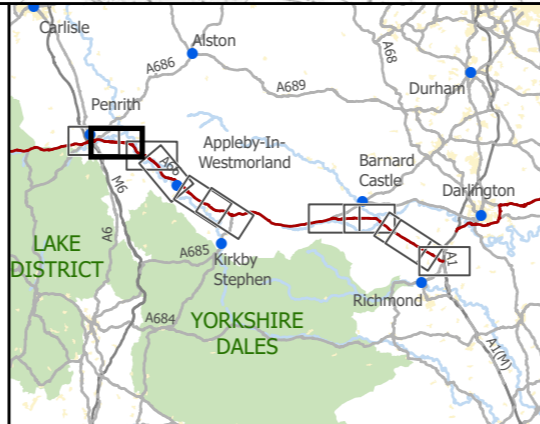
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Suitability S4	Location	Role	Number

Suitability S4 | Description: FIT FOR STAGE APPROVAL | Revision: P01



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 — Black Alternative  
 — Blue Alternative  
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P01	First Issue				
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	20/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

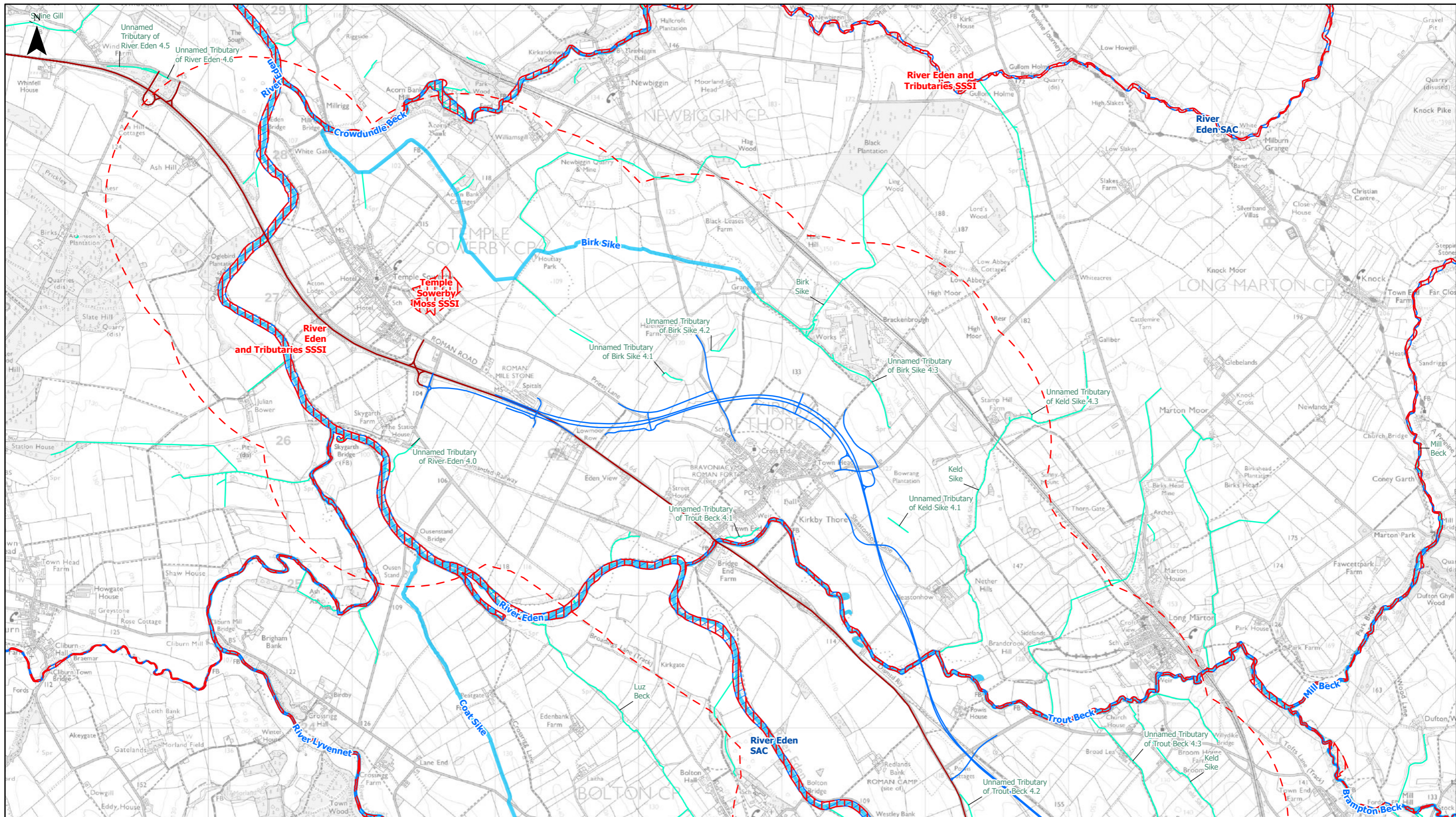
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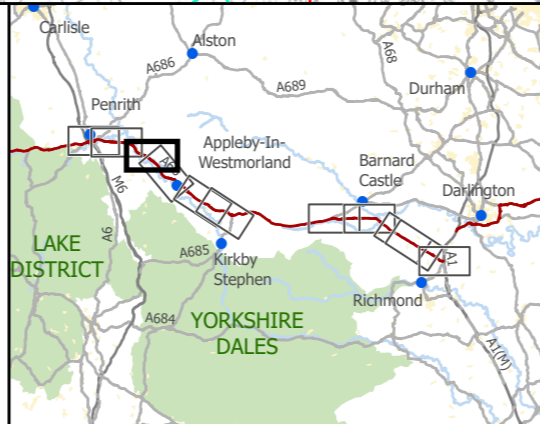
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 Figure 14.1  
 Surface Water Features  
 Sheet 2 of 15  
 Penrith to Temple Sowerby  
 Scheme Centreline

Map Number	Project	Originator	Volume
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S00	-	MP - LD	- 011001
Location	Type	Role	Number
Suitability S4	Description FIT FOR STAGE APPROVAL		Revision P01



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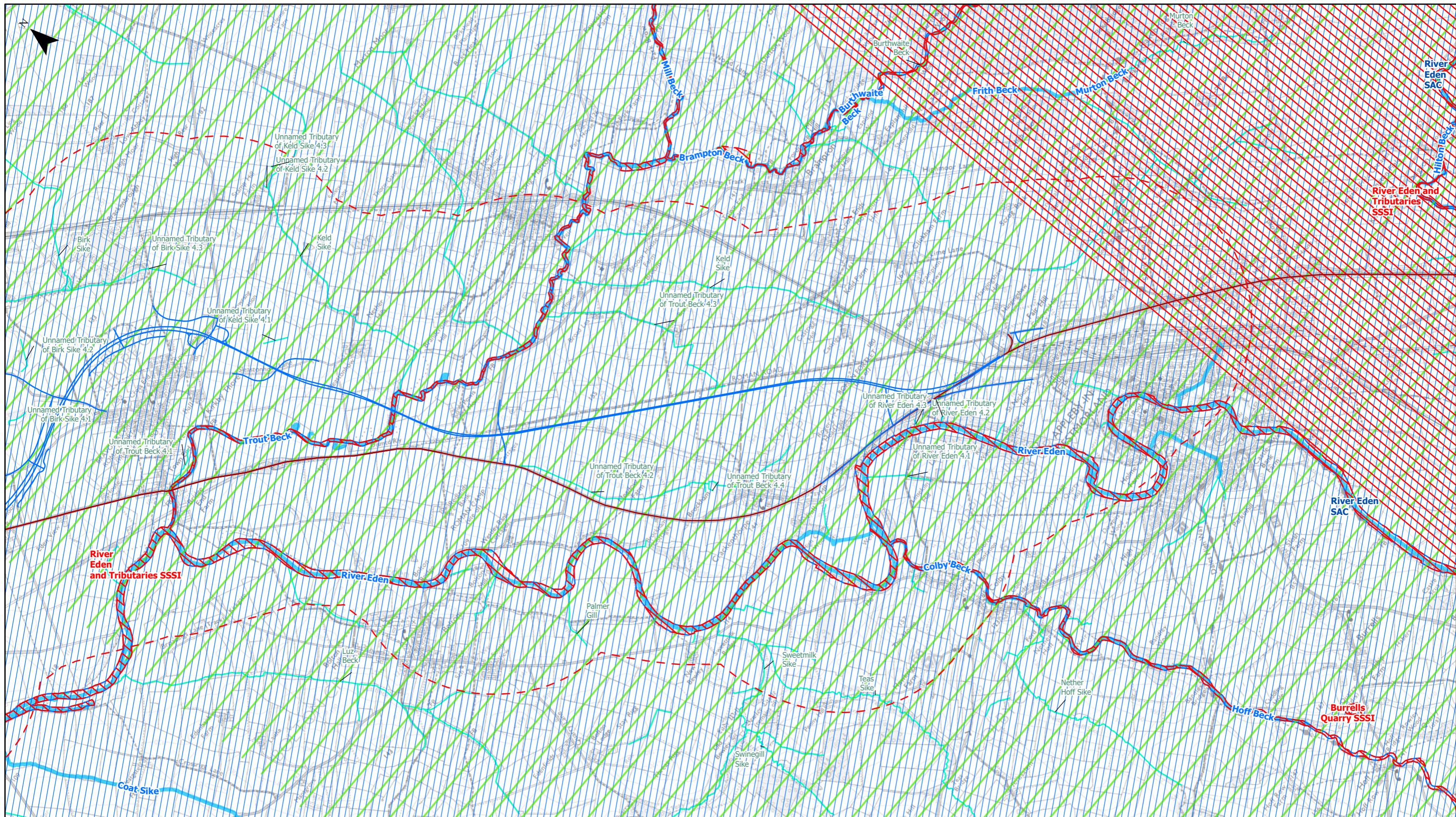
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- Surface Water Features**
- Main Rivers
- Surface Watercourse
- ▭ Site of Special Scientific Interest (SSSI)
- ▭ Special Protection Areas (SPA)
- ▭ Special Areas of Conservation (SAC)



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	20/07/21	29/07/21	30/07/21	12/08/21	13/08/21
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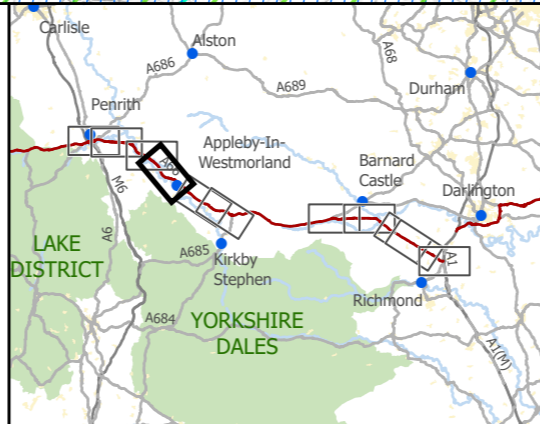
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Map Title Figure 14.1			
Surface Water Features			
Sheet 3 of 15			
Temple Sowerby to Appleby			
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S00		- MP	- LD - 011002
Suitability	Suitability Description		Revision
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**Surface Water Features**  
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 — Surface Watercourse  
 [ ] Site of Special Scientific Interest (SSSI)  
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P01	First Issue				
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Revision	Created	Checked	Reviewed	Approved	Authorised

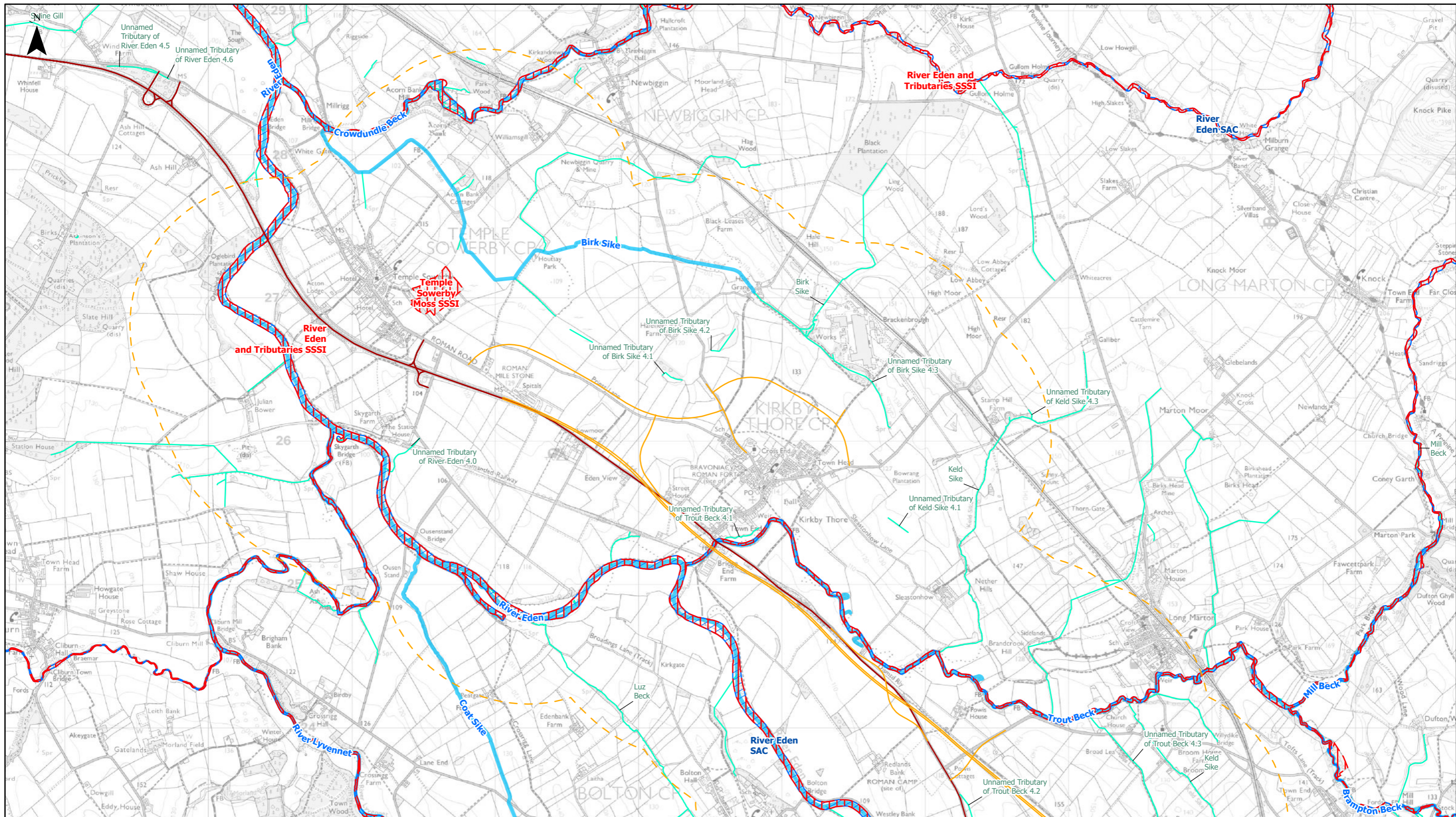
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.1  
 Surface Water Features  
 Sheet 4 of 15  
 Temple Sowerby to Appleby  
 Blue Alternative

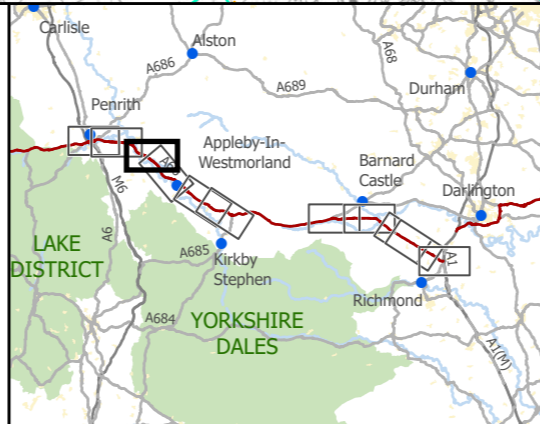
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[ ] Study Area 1km - Orange Alternative  
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**Surface Water Features**  
 — Main Rivers  
 — Surface Watercourse  
 [ ] Site of Special Scientific Interest (SSSI)  
 [ ] Special Protection Areas (SPA)  
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P01	First Issue				
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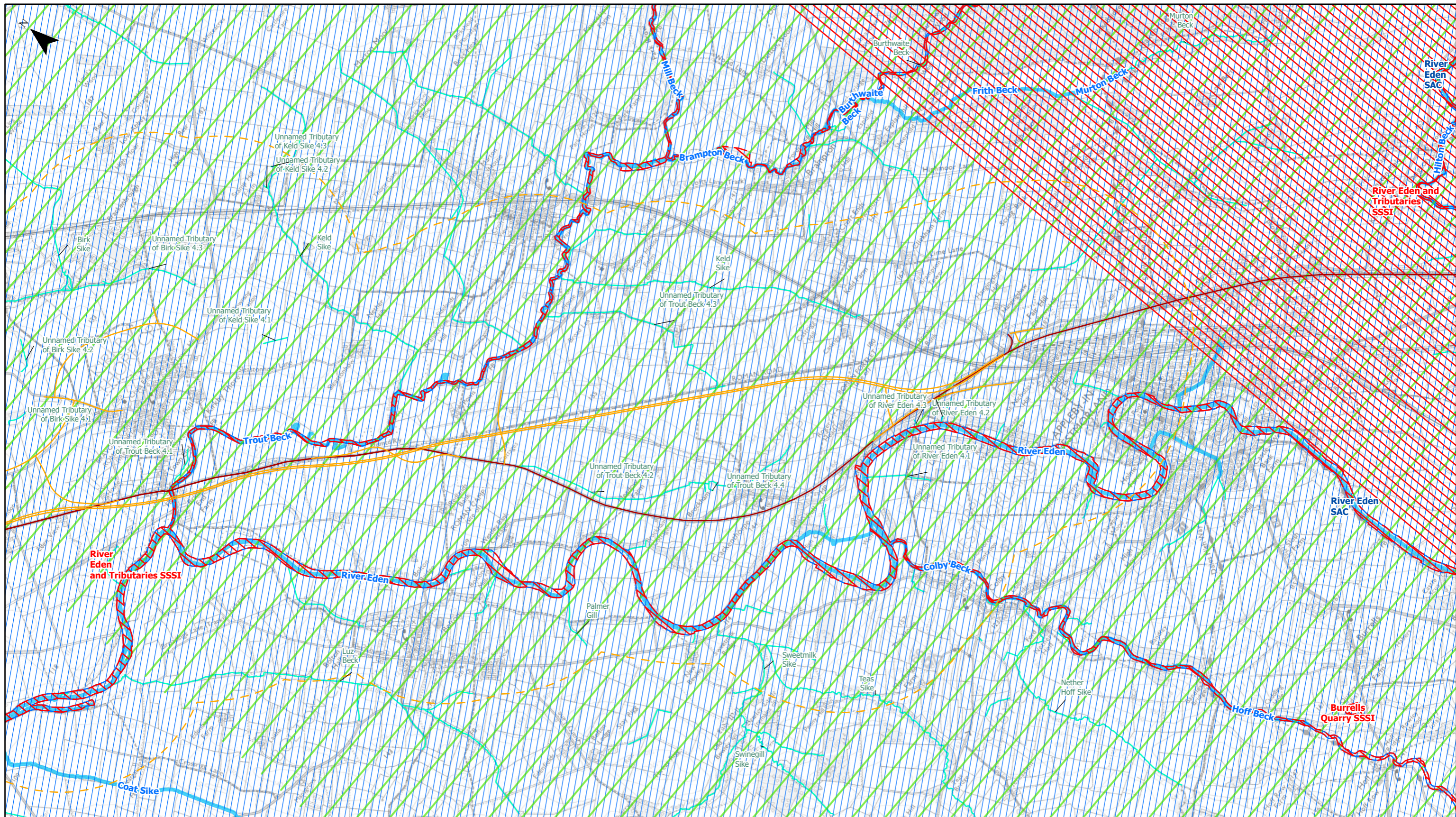
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.1  
 Surface Water Features  
 Sheet 5 of 15  
 Temple Sowerby to Appleby  
 Orange Alternative

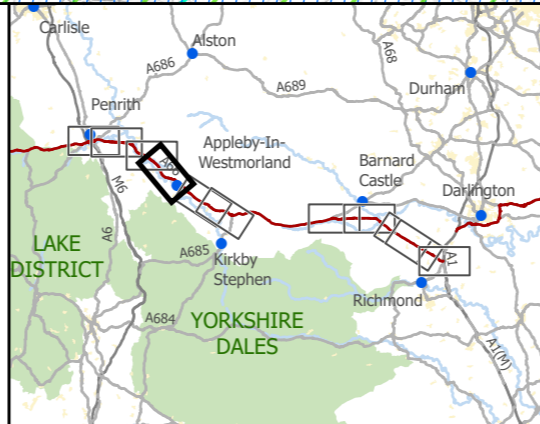
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Suitability S4	FIT FOR STAGE APPROVAL		Revision P01



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 — Orange Alternative  
 — Red Alternative  
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 [ ] Study Area 1km - Scheme Alignment  
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[ ] Study Area 1km - Orange Alternative  
 [ ] Study Area 1km - Red Alternative

**Surface Water Features**  
 — Main Rivers  
 — Surface Watercourse  
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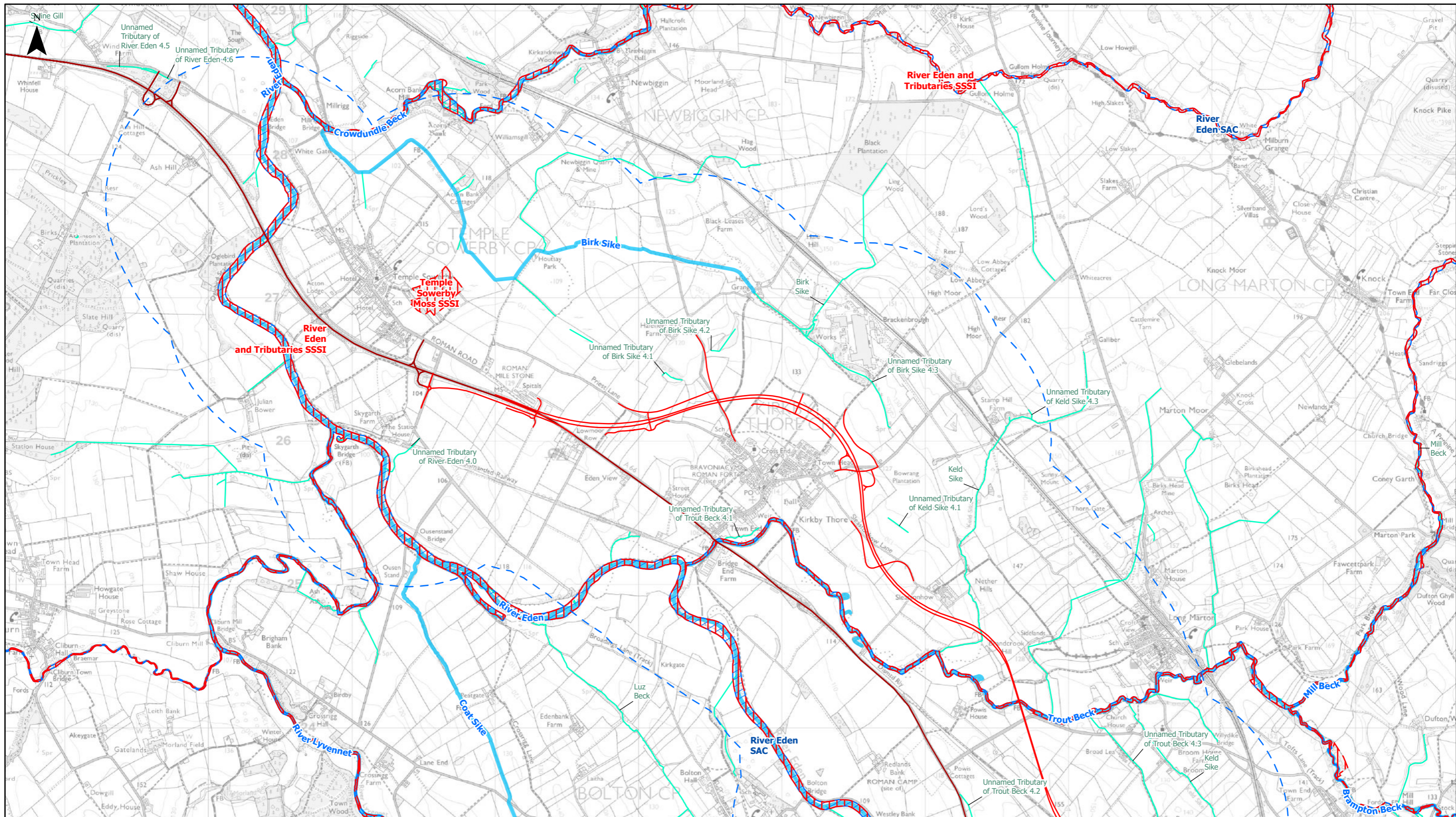
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.1  
 Surface Water Features  
 Sheet 6 of 15  
 Temple Sowerby to Appleby  
 Orange Alternative

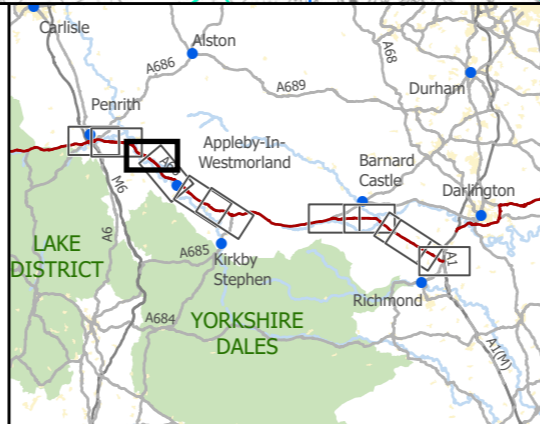
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Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



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- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
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- ▭ 1km Study Area - Combined Scheme Draft DCO Boundaries
- ▭ Study Area 1km - Scheme Alignment
- ▭ Study Area 1km - Blue Alternative

- ▭ Study Area 1km - Orange Alternative
- ▭ Study Area 1km - Red Alternative
- Surface Water Features**
- Main Rivers
- Surface Watercourse
- ▭ Site of Special Scientific Interest (SSSI)
- ▭ Special Protection Areas (SPA)
- ▭ Special Areas of Conservation (SAC)



**highways england** **A66 NTP** Integrated Project Team

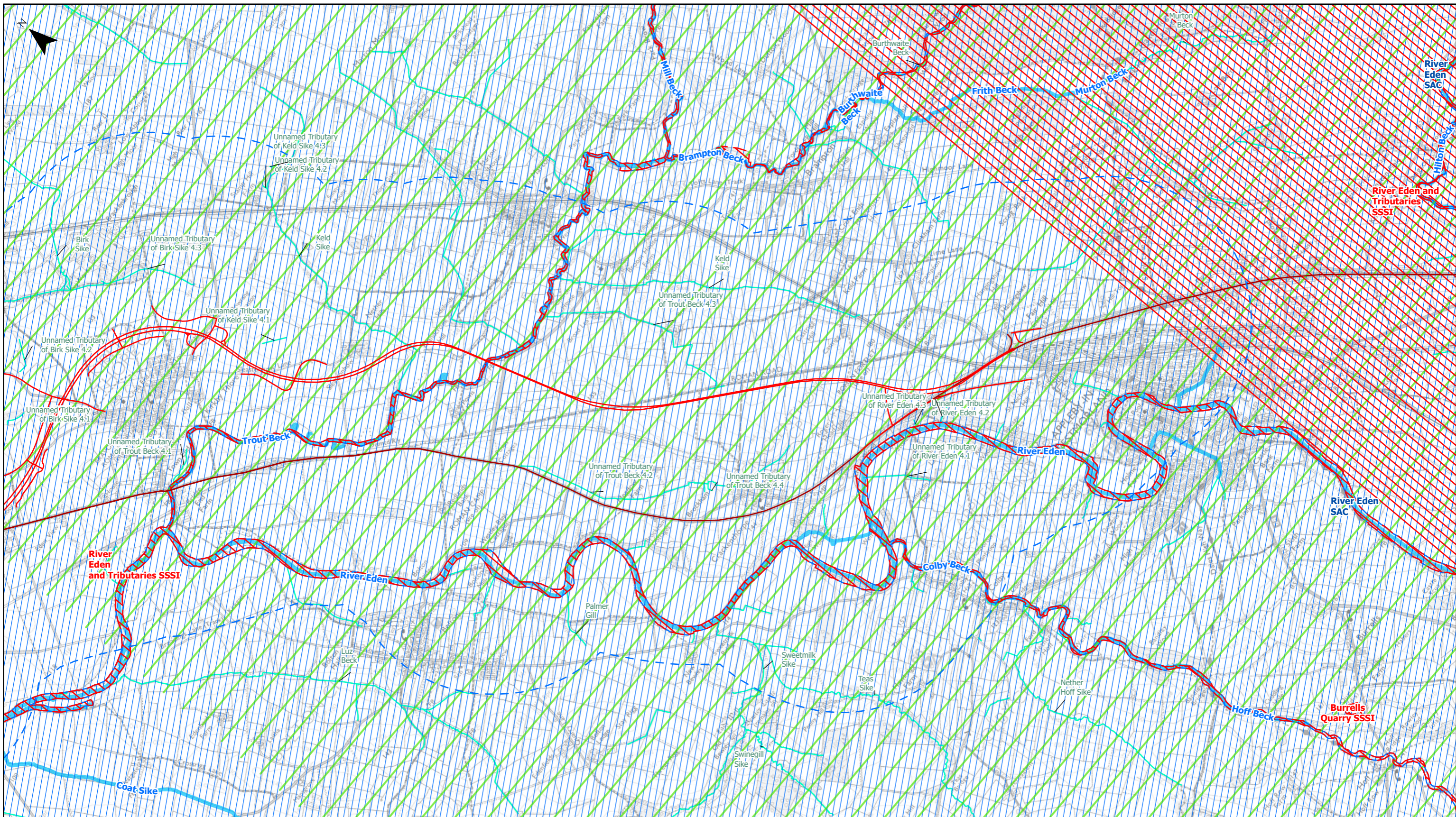
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Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.1			
Surface Water Features			
Sheet 7 of 15			
Temple Sowerby to Appleby			
Red Alternative			
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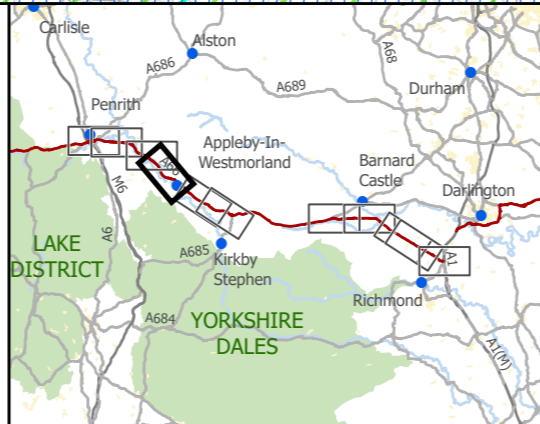




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 — Blue Alternative  
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 [ ] Study Area 1km - Scheme Alignment  
 [ ] Study Area 1km - Blue Alternative

[ ] Study Area 1km - Orange Alternative  
 [ ] Study Area 1km - Red Alternative

**Surface Water Features**  
 — Main Rivers  
 — Surface Watercourse  
 [ ] Site of Special Scientific Interest (SSSI)  
 [ ] Special Protection Areas (SPA)  
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P01	First Issue				
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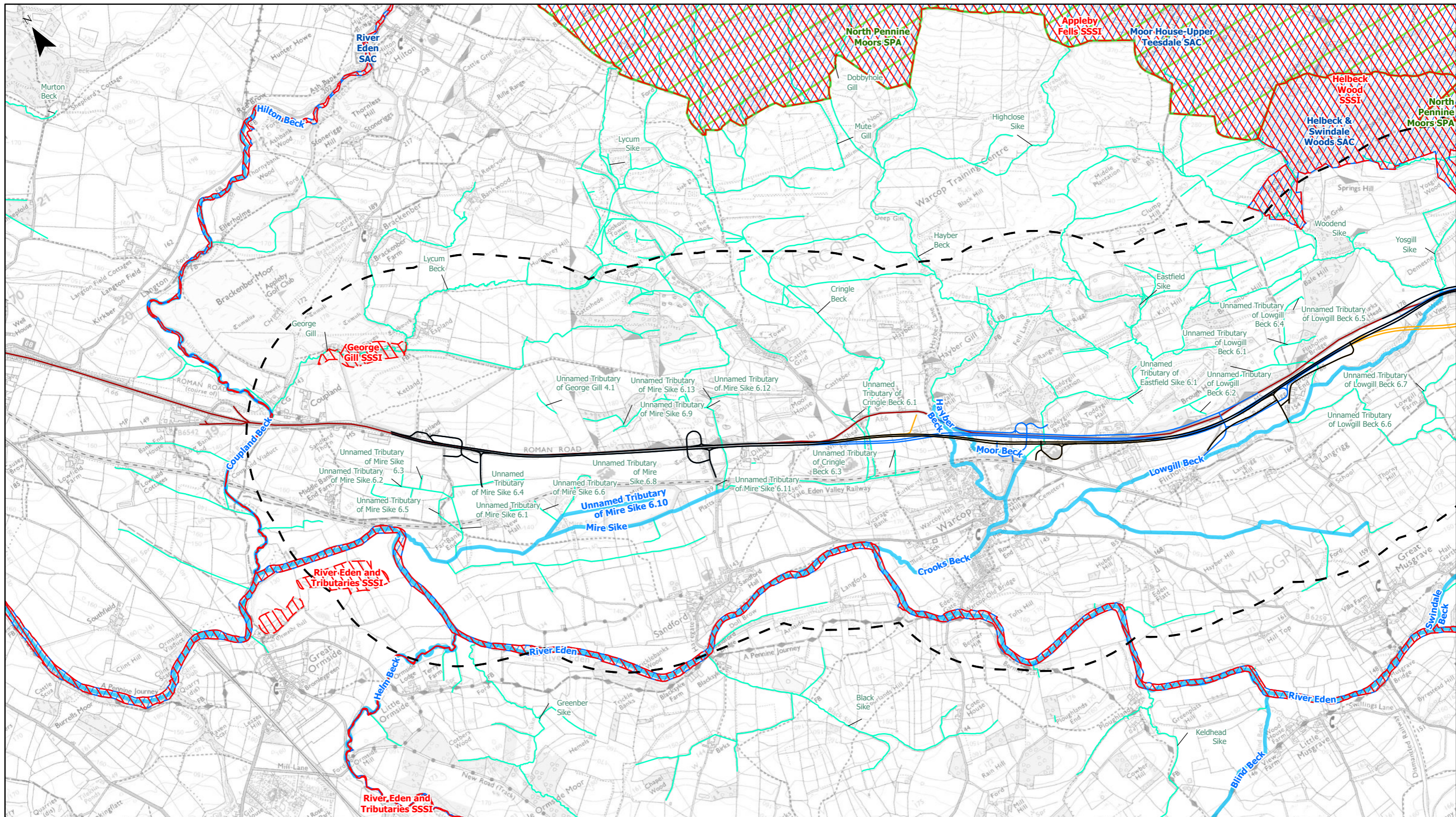
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.1  
 Surface Water Features  
 Sheet 8 of 15  
 Temple Sowerby to Appleby  
 Red Alternative

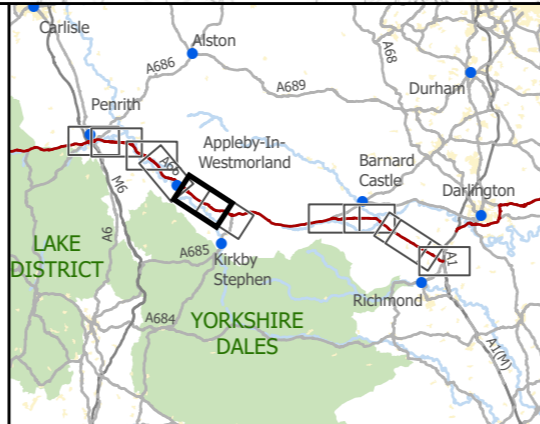
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Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



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- Orange Alternative
- Red Alternative
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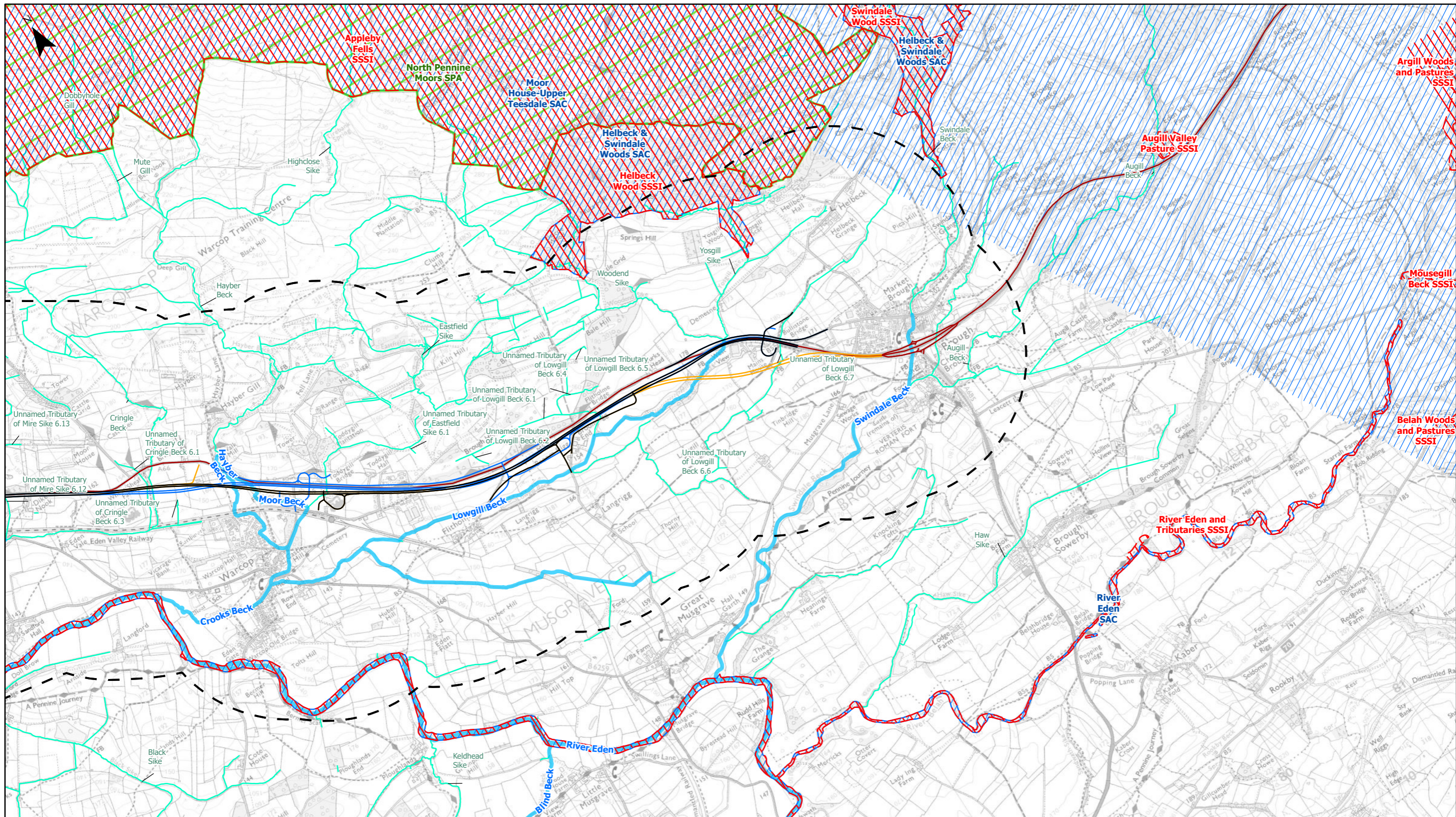
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- Surface Water Features**
- Main Rivers
- Surface Watercourse
- ┌┐ Site of Special Scientific Interest (SSSI)
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- ┌┐ Special Areas of Conservation (SAC)



P01	First Issue				
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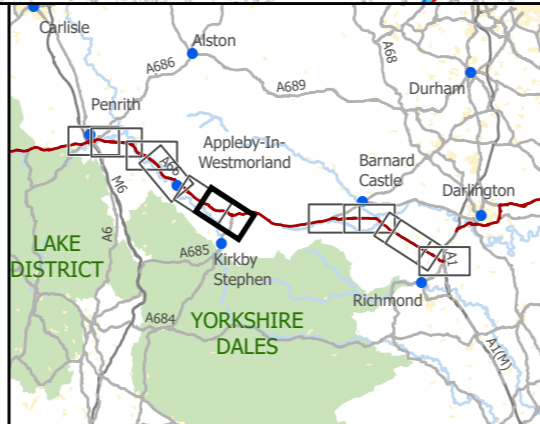
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.1			
Surface Water Features			
Sheet 9 of 15			
Appley to Brough			
All Alternatives			
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Location	Type	Role	Number
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S4	FIT FOR STAGE APPROVAL	P01	



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- Orange Alternative
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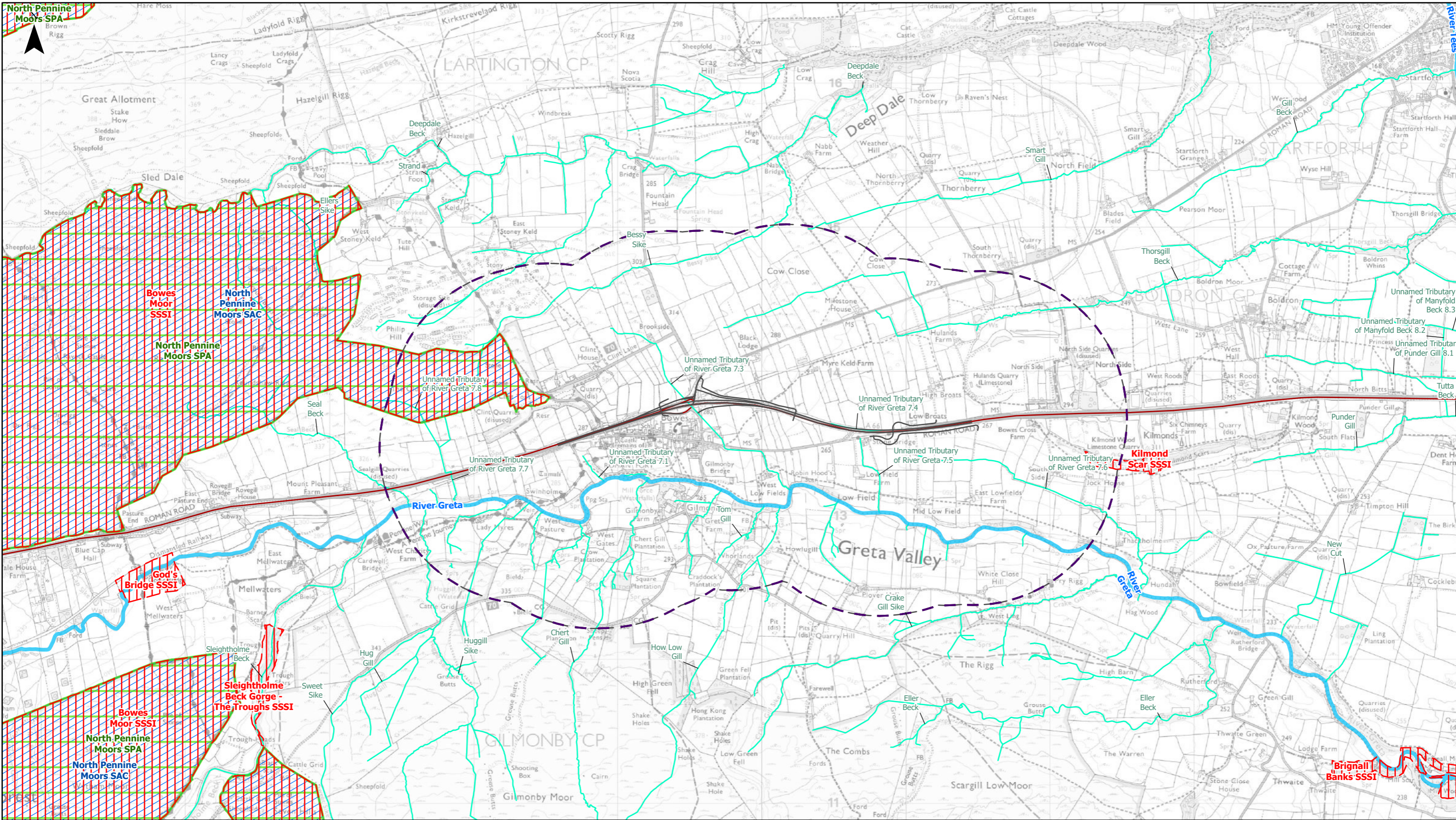
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- Main Rivers
- Surface Watercourse
- ┌─┐ Site of Special Scientific Interest (SSSI)
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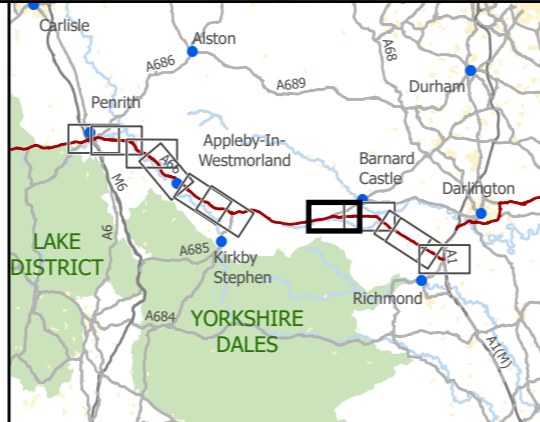
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Surface Water Features			
Sheet 10 of 15			
Appley to Brough			
All Alternatives			
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Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



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**Surface Water Features**  
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P01	First Issue	CESL	MMAT	MBRE	KWHA	AMIT
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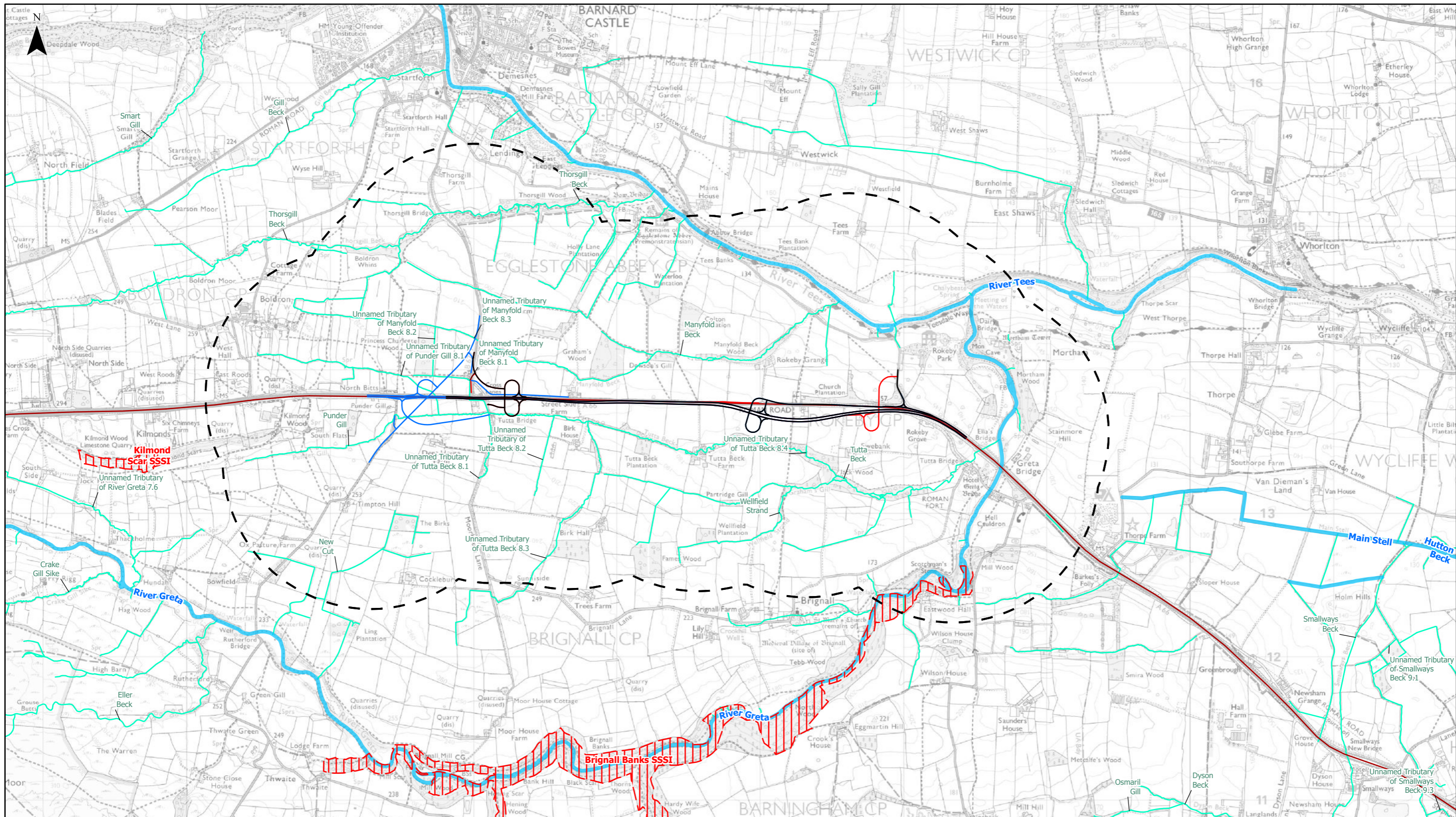
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**A66 Northern Trans-Pennine**

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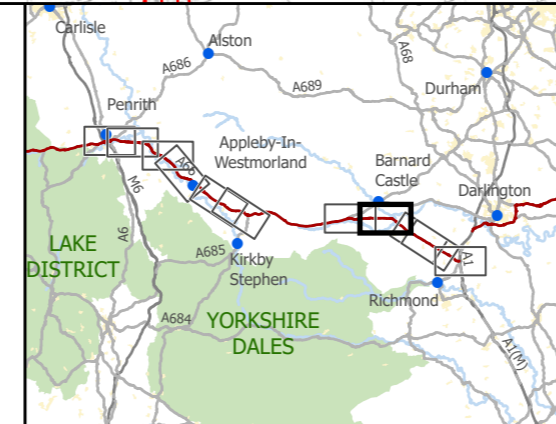
Surface Water Features  
 Sheet 11 of 15  
 Bowes Bypass  
 Scheme Centreline

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Location	Type	Role	Number
Suitability S4	FIT FOR STAGE APPROVAL		Revision P01



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Revision	Created	Checked	Reviewed	Approved	Authorised

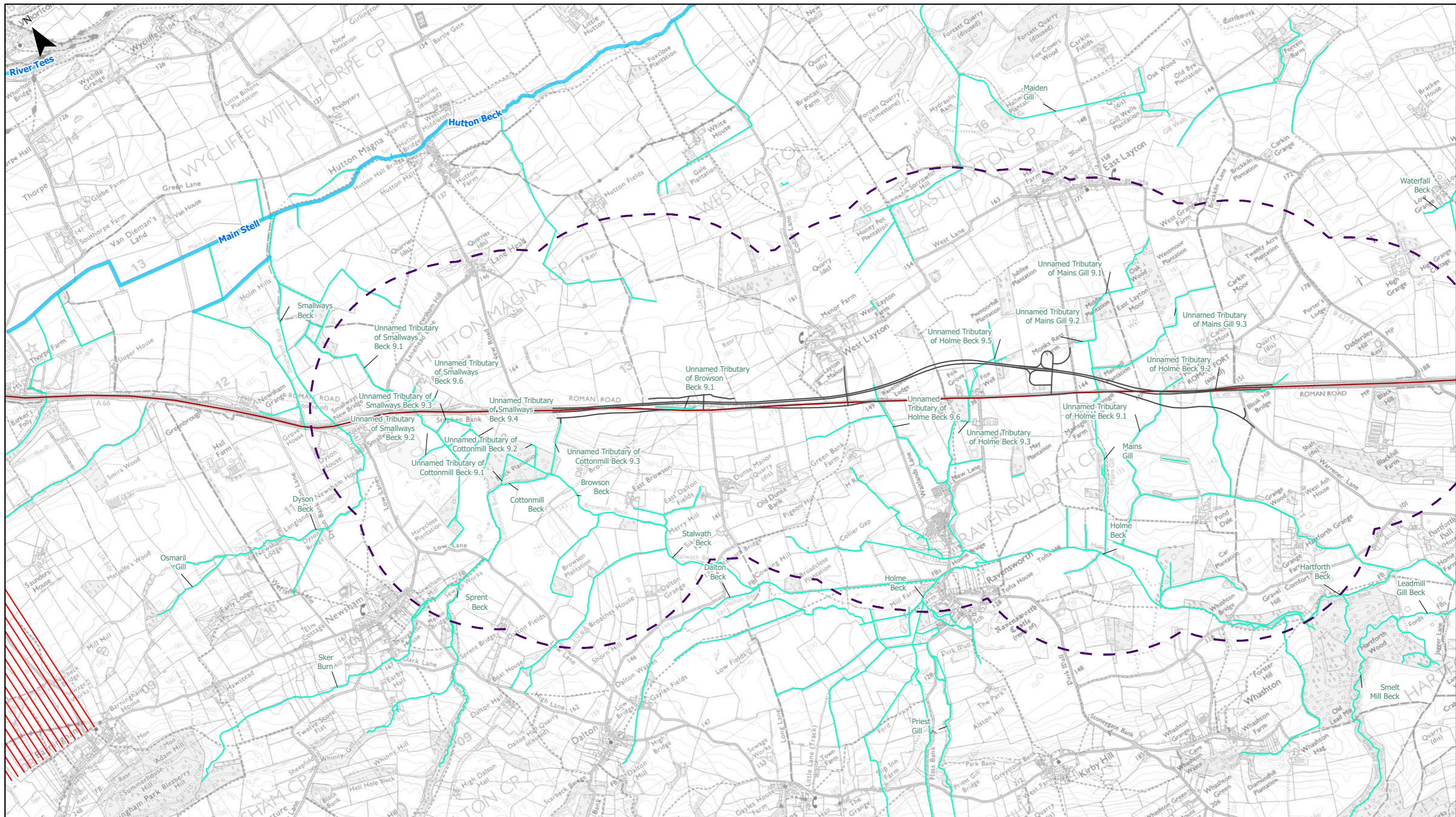
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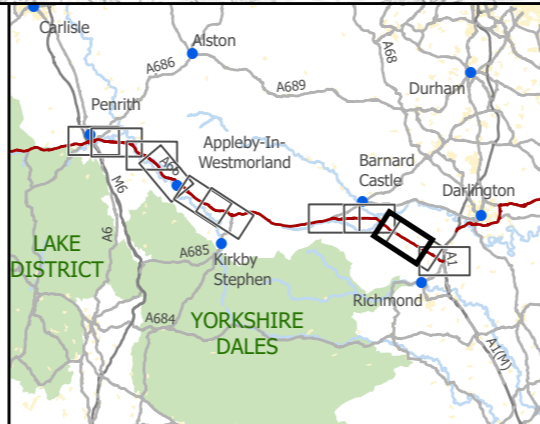
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 Surface Water Features  
 Sheet 12 of 15  
 Cross Lanes to Rokeby  
 All Alternatives

Map Number	Project	Originator	Volume
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S00	-	MP	LD - 011011
Location	Type	Role	Number
Suitability S4	FIT FOR STAGE APPROVAL		Revision P01



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- Blue Alternative
- Orange Alternative
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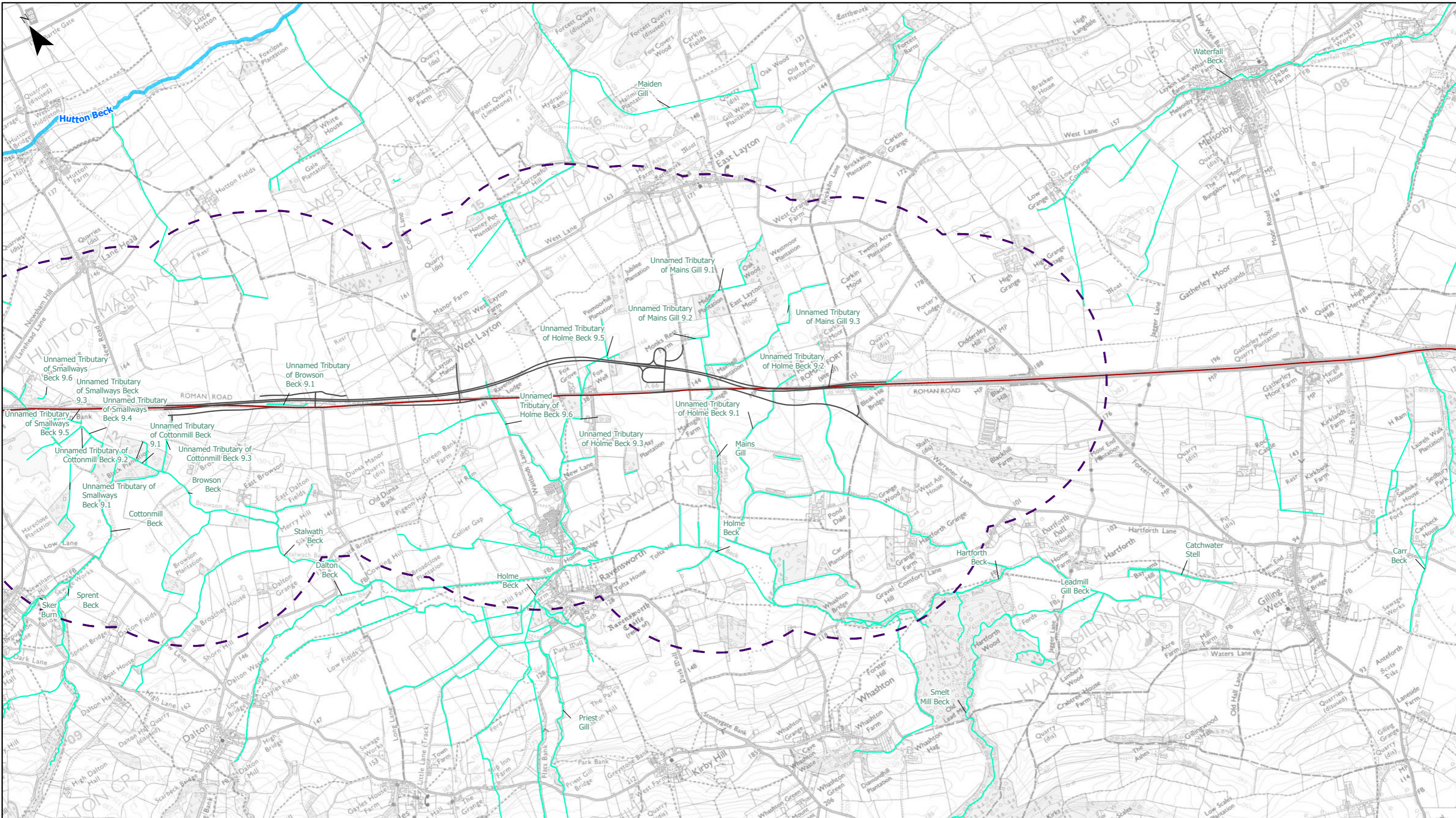
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- Surface Water Features**
- Main Rivers
- Surface Watercourse
- ┌─┐ Site of Special Scientific Interest (SSSI)
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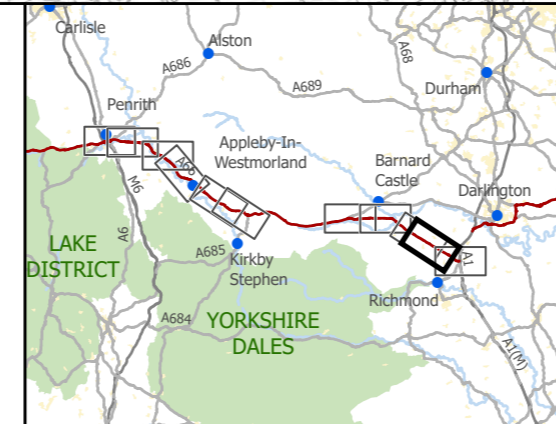
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.1			
Surface Water Features			
Sheet 13 of 15			
Stephen Bank to Carkin Moor			
Scheme Centreline			
Map Number	Project	Originator	Volume
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S00		MP - LD - 011012	
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— Scheme Centreline  
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 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [Dashed Purple] 1km Study Area - Combined Scheme Draft DCO Boundaries  
 [Dashed Orange] Study Area 1km - Orange Alternative  
 [Dashed Red] Study Area 1km - Red Alternative  
 [Dashed Blue] Study Area 1km - Blue Alternative

**Surface Water Features**  
 — Main Rivers  
 — Surface Watercourse  
 [Red Dashed Box] Site of Special Scientific Interest (SSSI)  
 [Green Dashed Box] Special Protection Areas (SPA)  
 [Blue Dashed Box] Special Areas of Conservation (SAC)



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	20/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

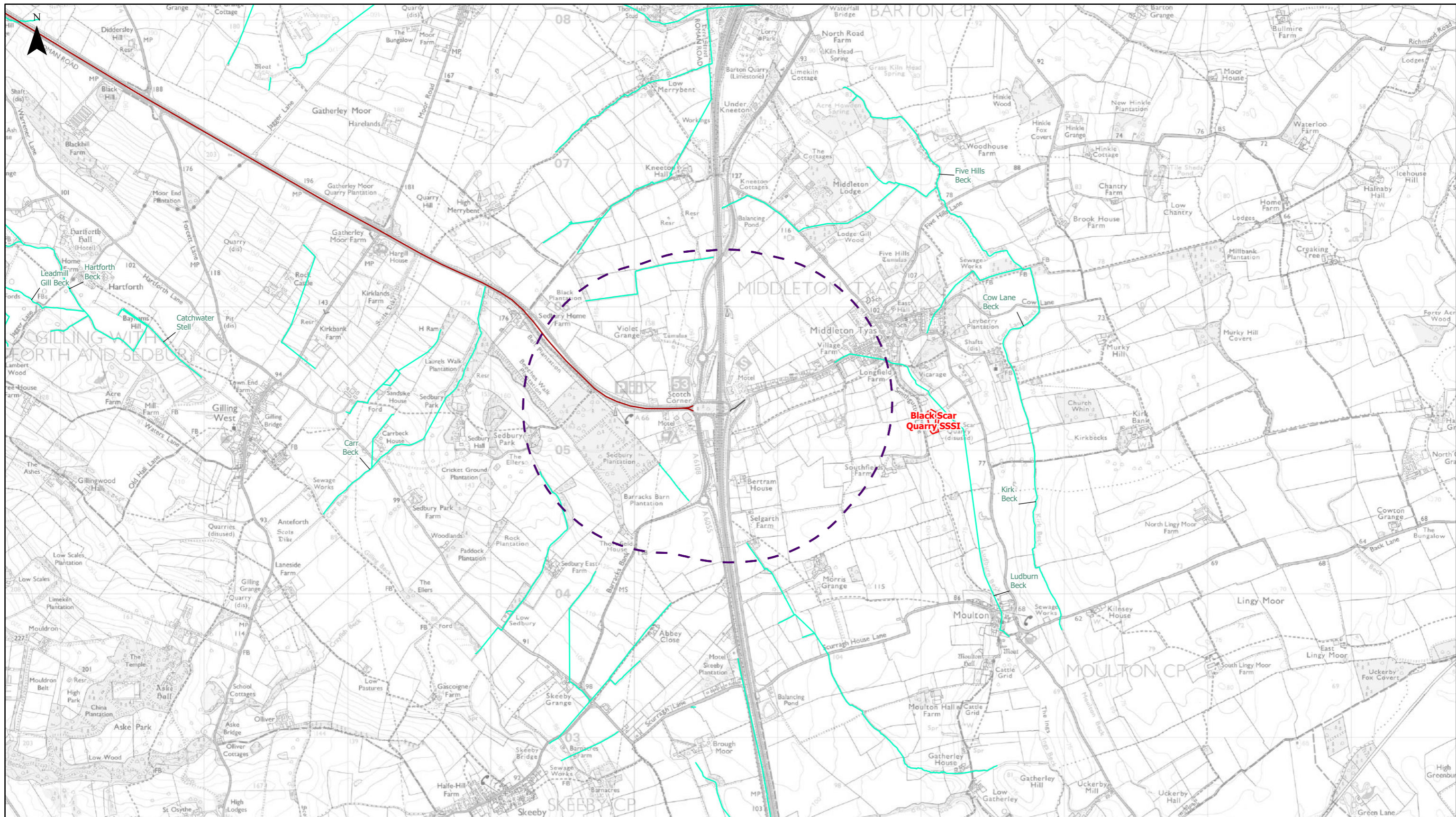
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.1  
 Surface Water Features  
 Sheet 14 of 15  
 Stephen Bank to Carkin Moor  
 Scheme Centreline

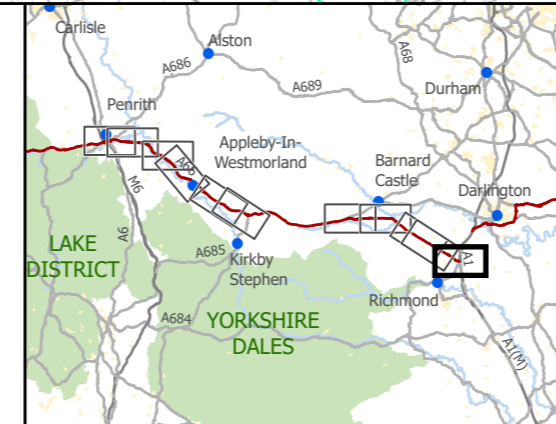
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HE565627	S00	AMY	EWE
Location	Type	Role	Number
MP - LD - 011013			

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 - - - 1km Study Area - Combined Scheme Draft DCO Boundaries  
 - - - Study Area 1km - Scheme Alignment  
 - - - Study Area 1km - Blue Alternative

Study Area 1km - Orange Alternative  
 Study Area 1km - Red Alternative  
**Surface Water Features**  
 — Main Rivers  
 — Surface Watercourse  
 - - - Site of Special Scientific Interest (SSSI)  
 — Special Protection Areas (SPA)  
 — Special Areas of Conservation (SAC)



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	20/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

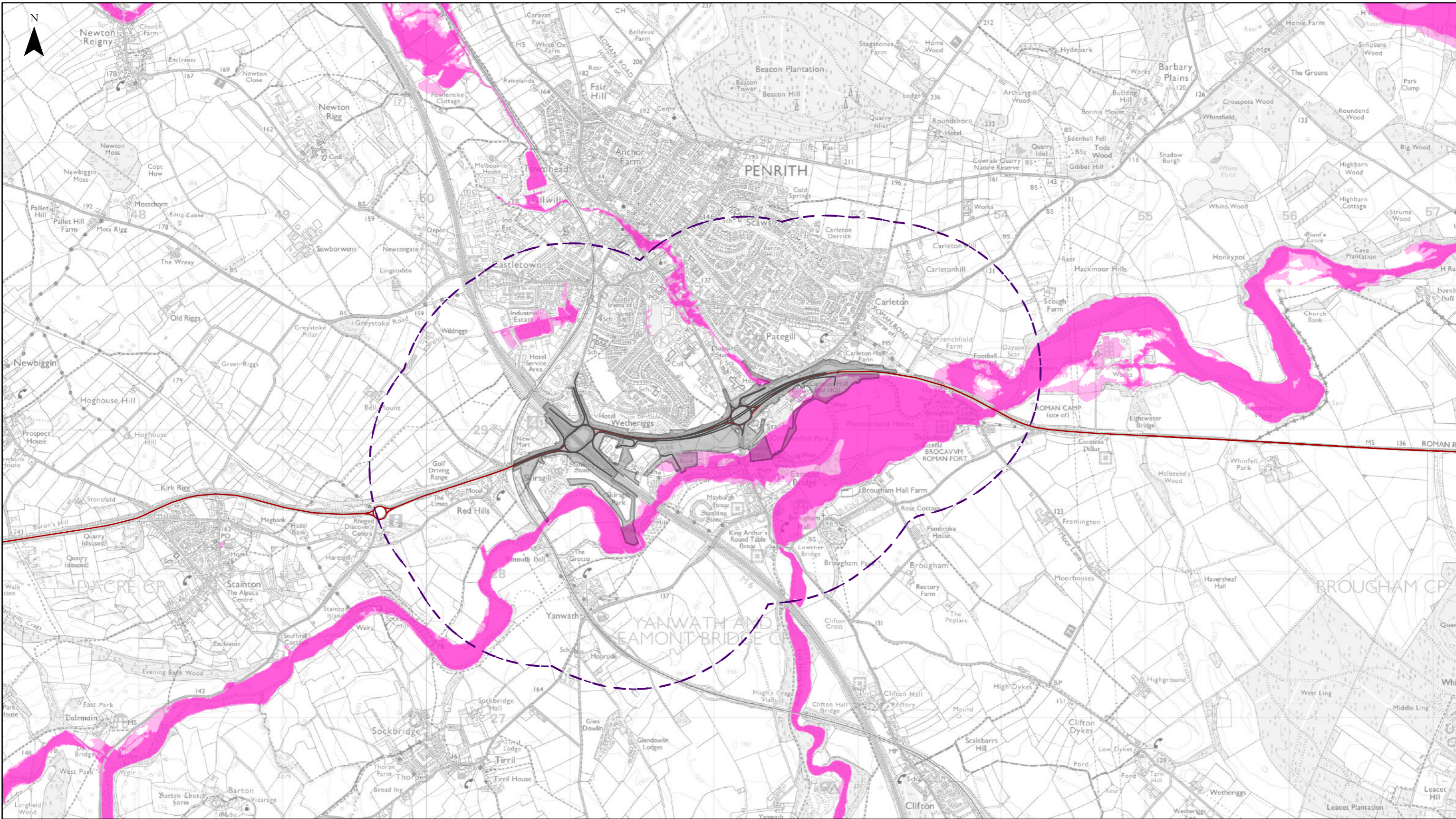
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.1  
 Surface Water Features  
 Sheet 15 of 15  
 A1(M) Junction 53 Scotch Corner  
 Scheme Centreline

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP	LD - 011014
Location		Type	Role   Number
Suitability	S4	Suitability Description	Revision
		FIT FOR STAGE APPROVAL	P01



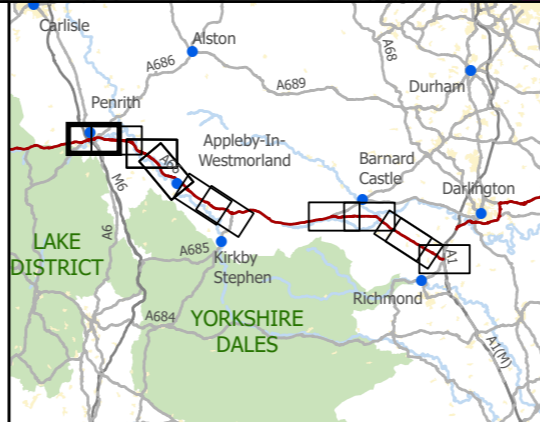


— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [Dashed Purple] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [Dashed Blue] Study Area 1km - Black Alternative  
 [Dashed Orange] Study Area 1km - Blue Alternative  
 [Dashed Red] Study Area 1km - Orange Alternative  
 [Dashed Red] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [Grey] Scheme  
 [Light Purple] Black Alternative  
 [Light Blue] Blue Alternative  
 [Light Orange] Orange Alternative  
 [Light Red] Red Alternative

**Existing Flood Risk**  
 [Pink] Fluvial Flood Zone 3  
 [Light Pink] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

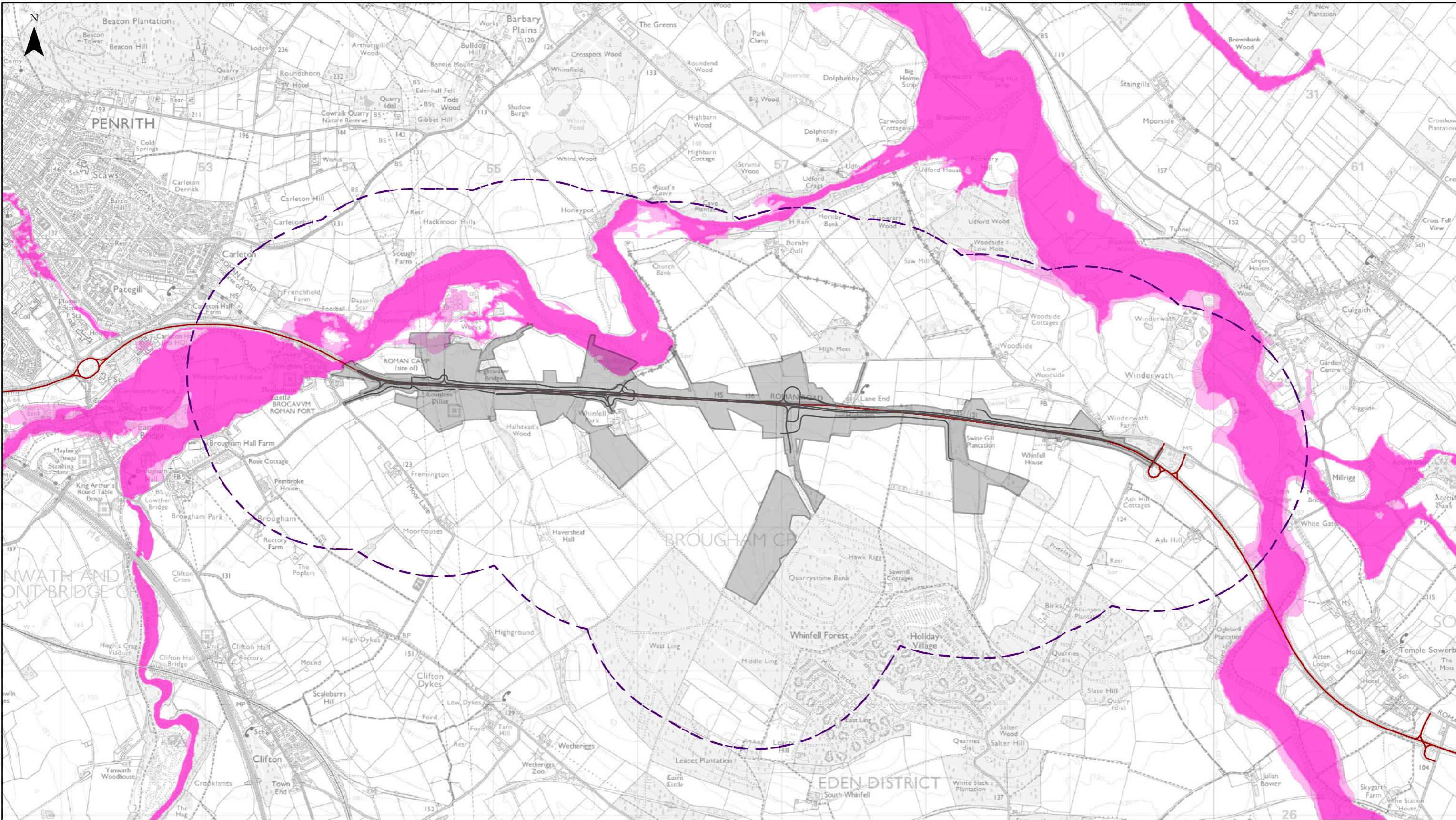
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2

Existing Flood Risk  
 Sheet 1 of 15  
 M6 Junction 40 to Kemplay Bank  
 Scheme Centreline

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011015
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01

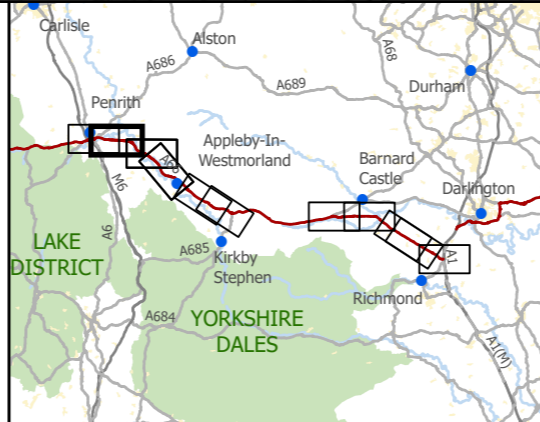


— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [Dashed Purple] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [Dashed Black] Study Area 1km - Black Alternative  
 [Dashed Blue] Study Area 1km - Blue Alternative  
 [Dashed Orange] Study Area 1km - Orange Alternative  
 [Dashed Red] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [Grey] Scheme  
 [Light Purple] Black Alternative  
 [Light Blue] Blue Alternative  
 [Light Orange] Orange Alternative  
 [Light Red] Red Alternative

**Existing Flood Risk**  
 [Pink] Fluvial Flood Zone 3  
 [Lighter Pink] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
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Revision	Created	Checked	Reviewed	Approved	Authorised

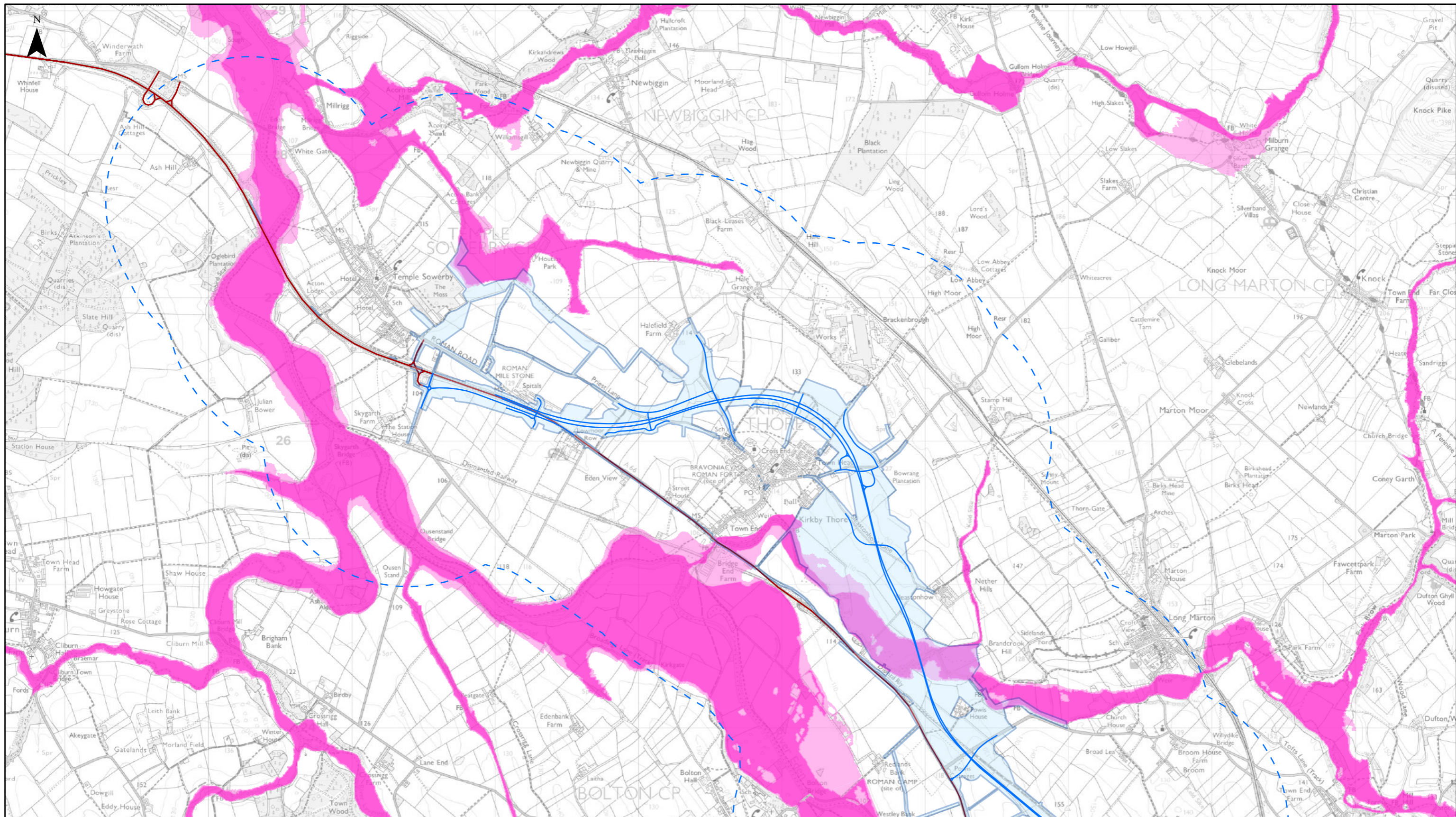
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2  
 Existing Flood Risk  
 Sheet 2 of 15  
 Penrith to Temple Sowerby  
 Scheme Centreline

Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
	MP	LD	011016

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



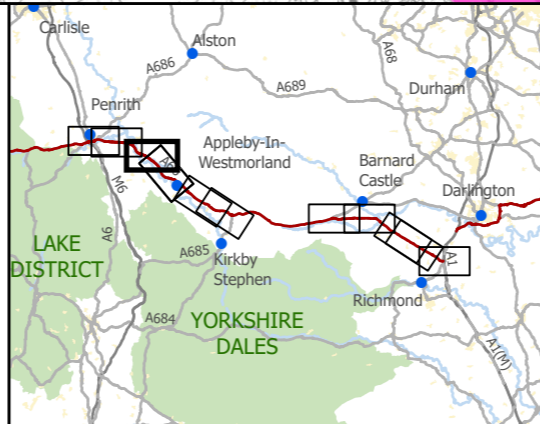
— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66

[ ] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [ ] Study Area 1km - Black Alternative  
 [ ] Study Area 1km - Blue Alternative  
 [ ] Study Area 1km - Orange Alternative  
 [ ] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [ ] Scheme  
 [ ] Black Alternative  
 [ ] Blue Alternative  
 [ ] Orange Alternative  
 [ ] Red Alternative

**Existing Flood Risk**  
 [ ] Fluvial Flood Zone 3  
 [ ] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



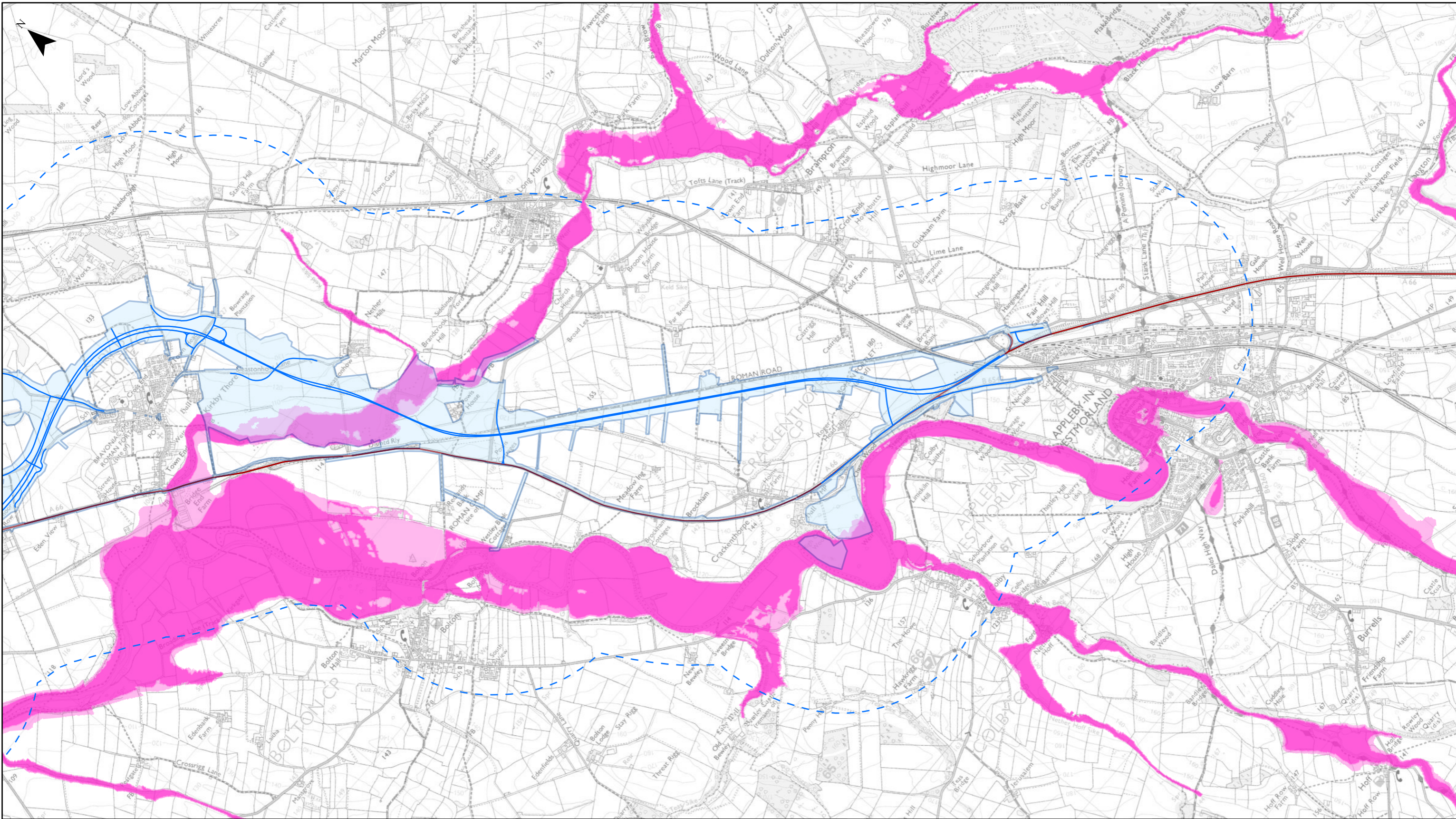
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Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2  
 Existing Flood Risk  
 Sheet 3 of 15  
 Temple Sowerby to Appleby  
 Blue Alternative

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011017
Location	Type	Role	Number
Suitability S4	FIT FOR STAGE APPROVAL		Revision P01

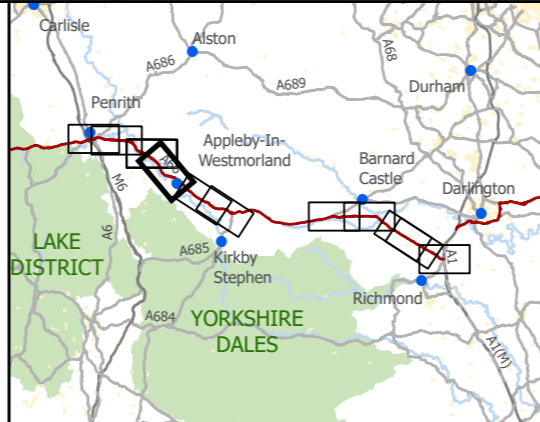


— Scheme Centrelines  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [ ] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [ ] Study Area 1km - Black Alternative  
 [ ] Study Area 1km - Blue Alternative  
 [ ] Study Area 1km - Orange Alternative  
 [ ] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [ ] Scheme  
 [ ] Black Alternative  
 [ ] Blue Alternative  
 [ ] Orange Alternative  
 [ ] Red Alternative

**Existing Flood Risk**  
 [ ] Fluvial Flood Zone 3  
 [ ] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



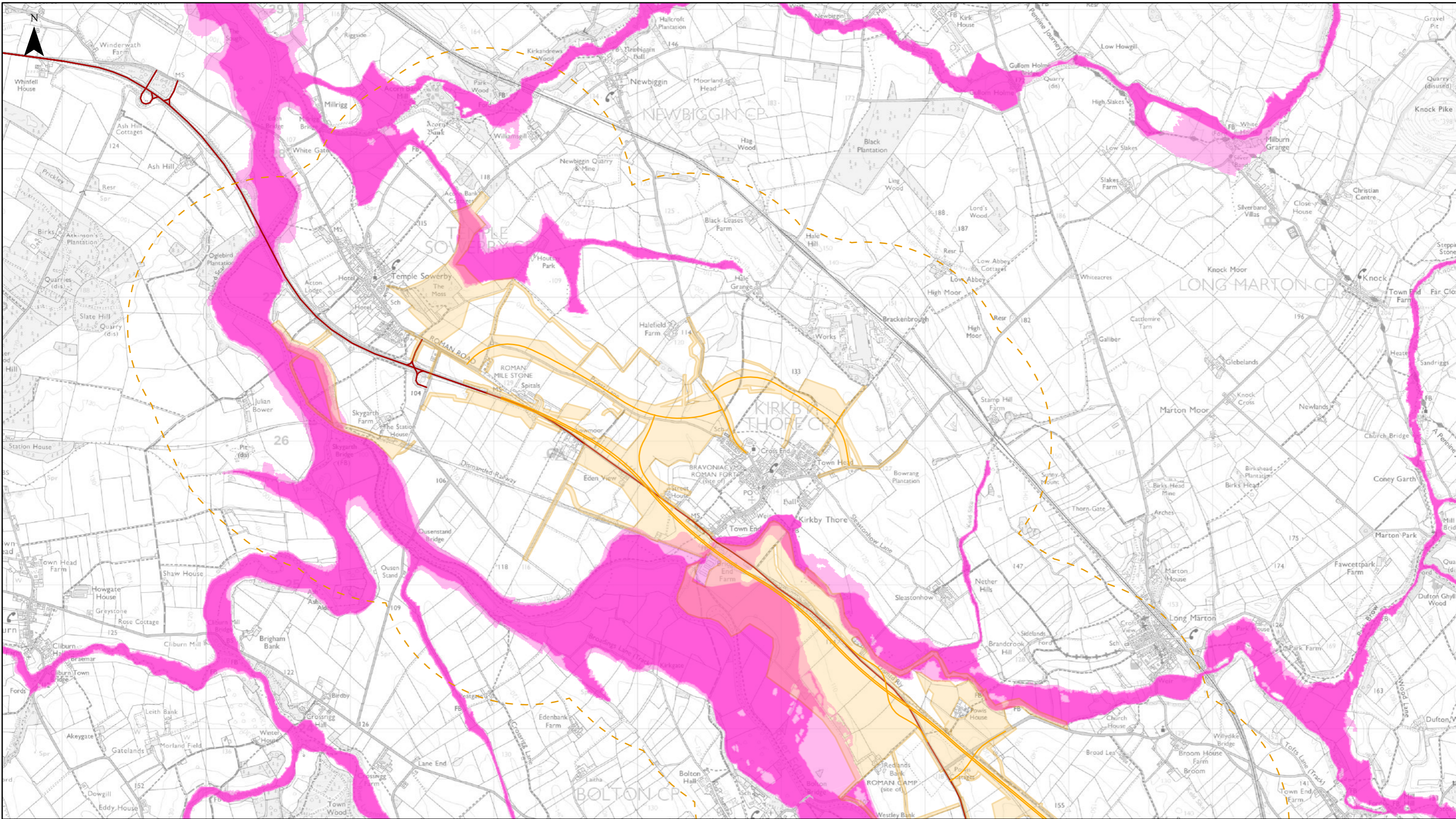
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Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2  
 Existing Flood Risk  
 Sheet 4 of 15  
 Temple Sowerby to Appley  
 Blue Alternative

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011018
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01

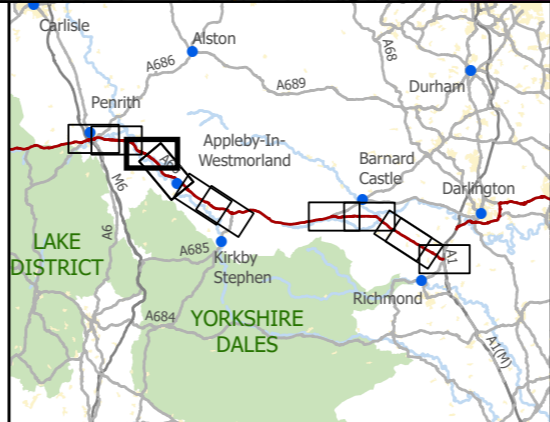


— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [ ] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [ ] Study Area 1km - Black Alternative  
 [ ] Study Area 1km - Blue Alternative  
 [ ] Study Area 1km - Orange Alternative  
 [ ] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [ ] Scheme  
 [ ] Black Alternative  
 [ ] Blue Alternative  
 [ ] Orange Alternative  
 [ ] Red Alternative

**Existing Flood Risk**  
 [ ] Fluvial Flood Zone 3  
 [ ] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



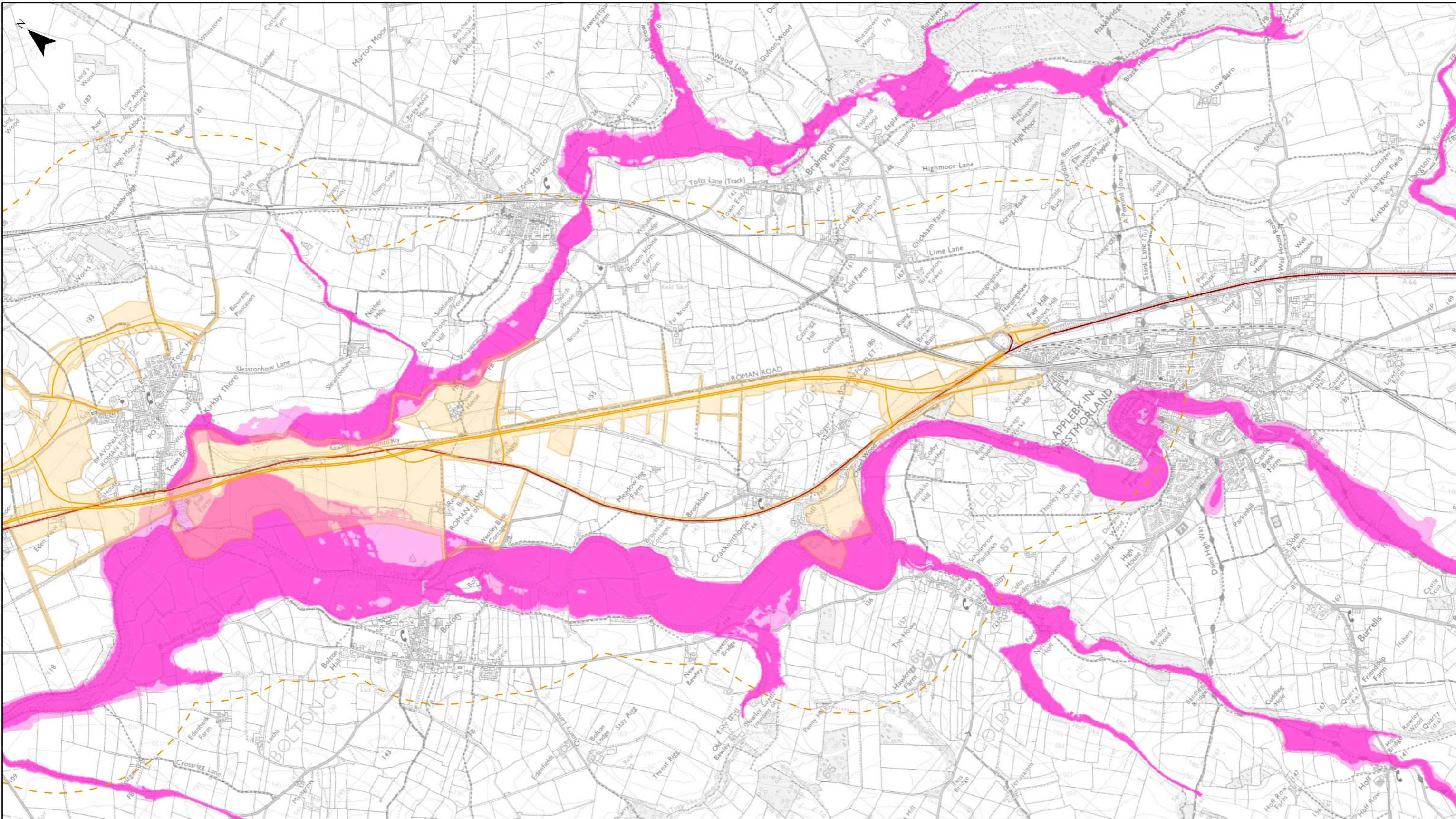
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Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2  
 Existing Flood Risk  
 Sheet 5 of 15  
 Temple Sowerby to Appleby  
 Orange Alternative

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011019
Location	Type	Role	Number
Suitability S4	Description FIT FOR STAGE APPROVAL		Revision P01

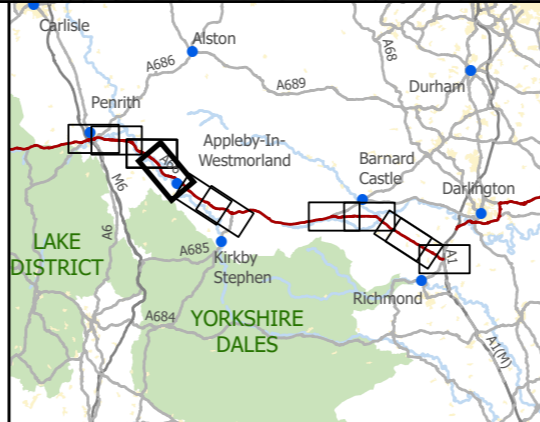


— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [ ] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [ ] Study Area 1km - Black Alternative  
 [ ] Study Area 1km - Blue Alternative  
 [ ] Study Area 1km - Orange Alternative  
 [ ] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [ ] Scheme  
 [ ] Black Alternative  
 [ ] Blue Alternative  
 [ ] Orange Alternative  
 [ ] Red Alternative

**Existing Flood Risk**  
 [ ] Fluvial Flood Zone 3  
 [ ] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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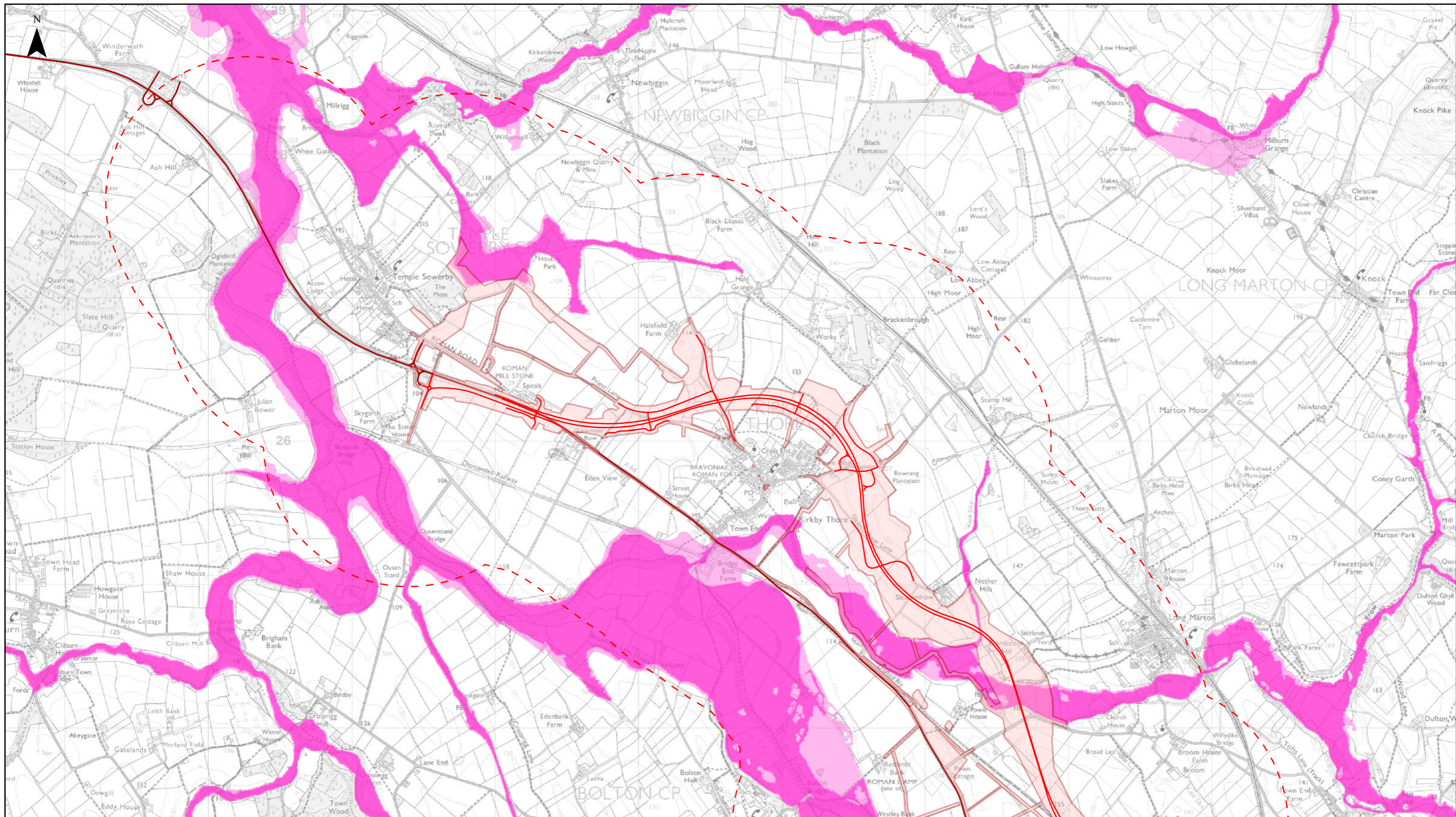
Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2

Existing Flood Risk  
 Sheet 6 of 15  
 Temple Sowerby to Appleyby  
 Orange Alternative

Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
	MP	LD	011020

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01

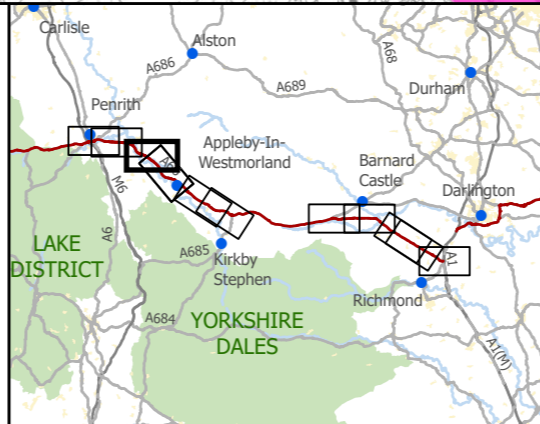


— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [ ] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [ ] Study Area 1km - Black Alternative  
 [ ] Study Area 1km - Blue Alternative  
 [ ] Study Area 1km - Orange Alternative  
 [ ] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [ ] Scheme  
 [ ] Black Alternative  
 [ ] Blue Alternative  
 [ ] Orange Alternative  
 [ ] Red Alternative

**Existing Flood Risk**  
 [ ] Fluvial Flood Zone 3  
 [ ] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



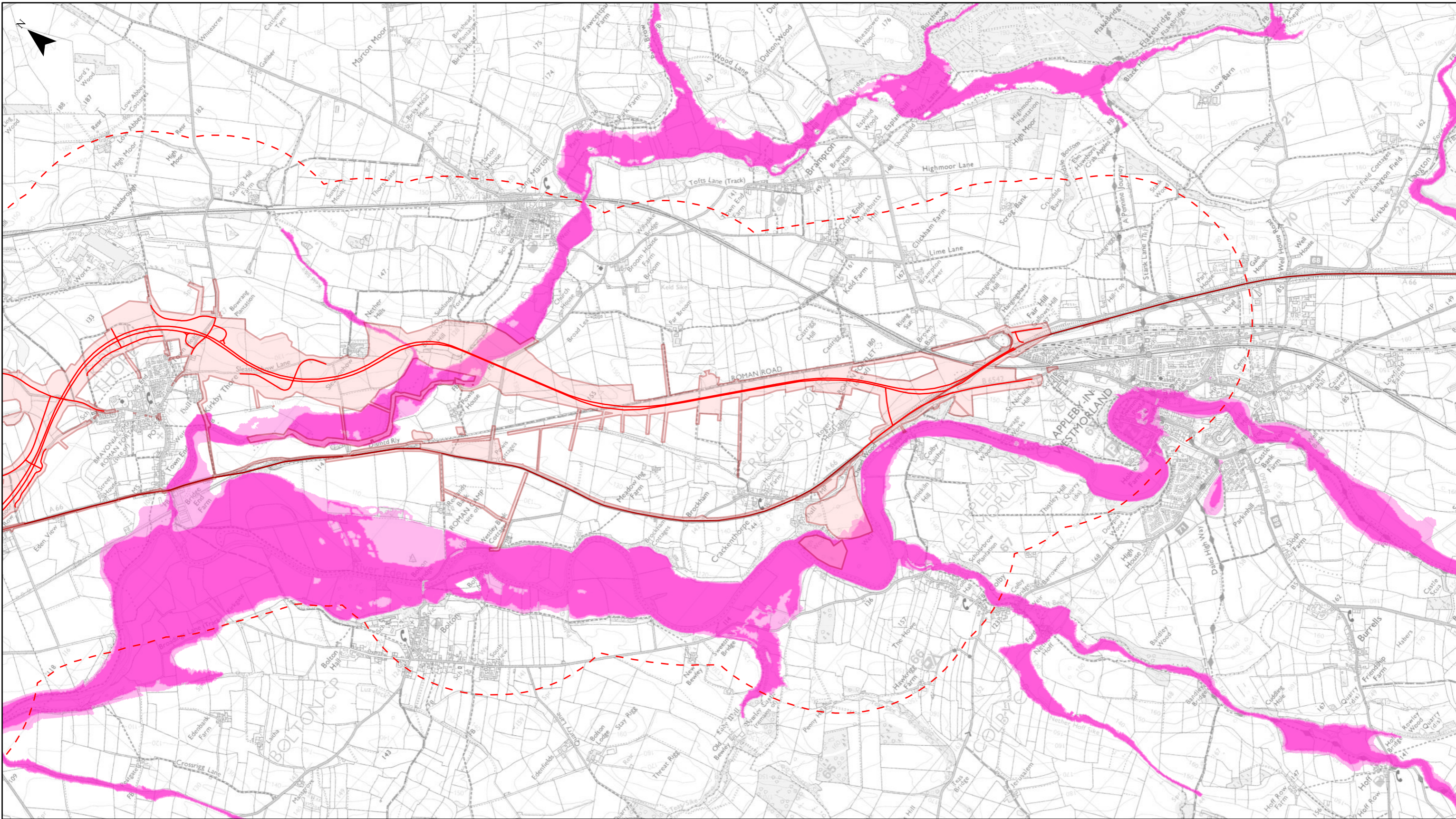
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	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2  
 Existing Flood Risk  
 Sheet 7 of 15  
 Temple Sowerby to Appleby  
 Scheme Alternatives

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011021
Location	Type	Role	Number
Suitability S4	FIT FOR STAGE APPROVAL		Revision P01

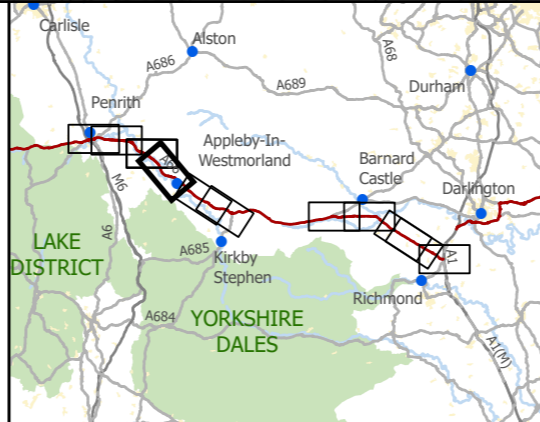


— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [ ] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [ ] Study Area 1km - Black Alternative  
 [ ] Study Area 1km - Blue Alternative  
 [ ] Study Area 1km - Orange Alternative  
 [ ] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [ ] Scheme  
 [ ] Black Alternative  
 [ ] Blue Alternative  
 [ ] Orange Alternative  
 [ ] Red Alternative

**Existing Flood Risk**  
 [ ] Fluvial Flood Zone 3  
 [ ] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name  
**A66 Northern Trans-Pennine**

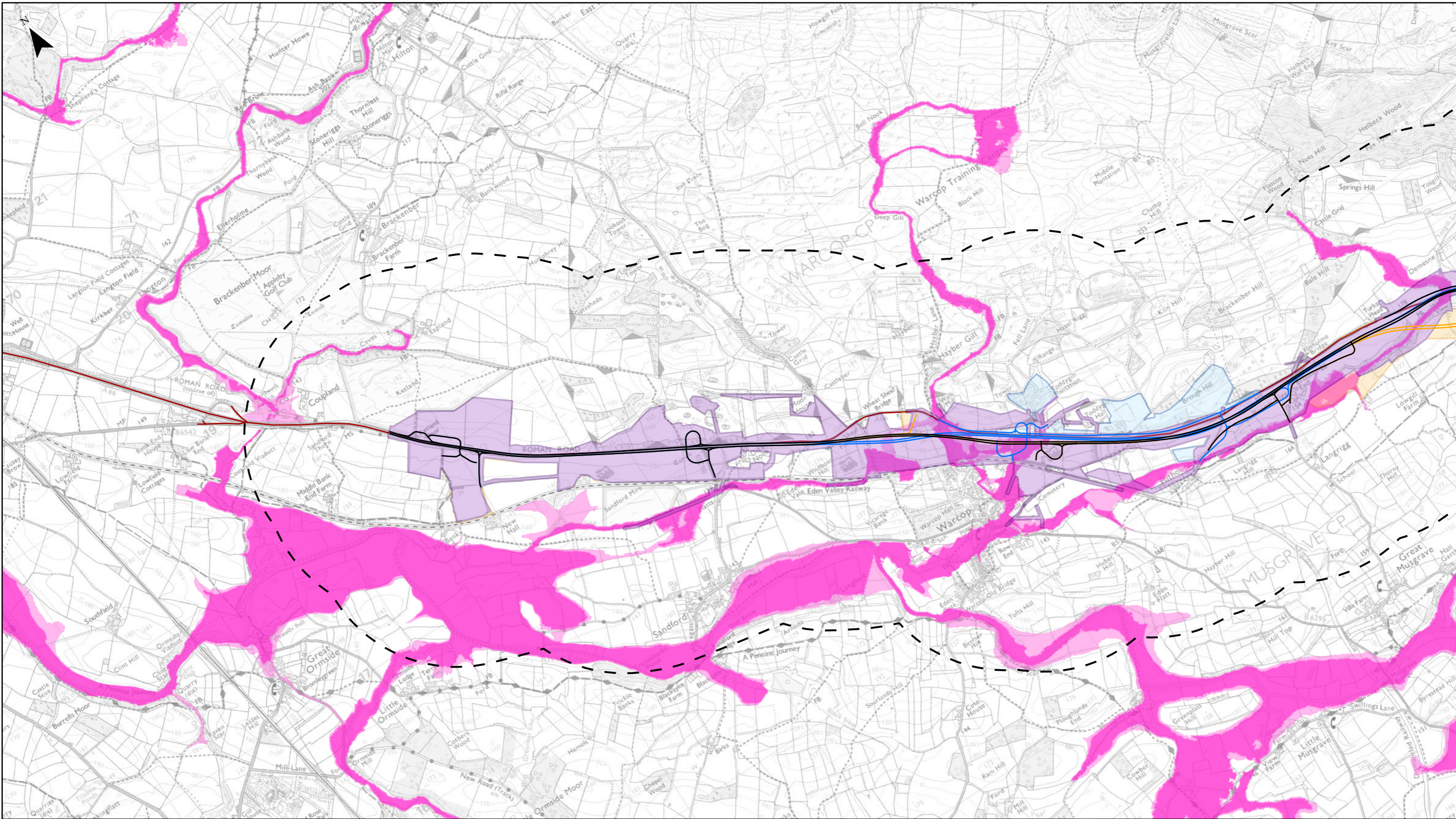
Map Title  
 Figure 14.2

Existing Flood Risk  
 Sheet 8 of 15  
 Temple Sowerby to Appleby  
 Red Alternative

Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
	MP	LD	011022

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01





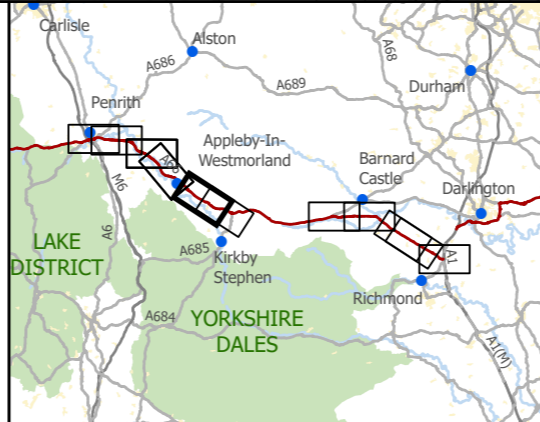
— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66

[---] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [---] Study Area 1km - Black Alternative  
 [---] Study Area 1km - Blue Alternative  
 [---] Study Area 1km - Orange Alternative  
 [---] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [---] Scheme  
 [---] Black Alternative  
 [---] Blue Alternative  
 [---] Orange Alternative  
 [---] Red Alternative

**Existing Flood Risk**  
 [---] Fluvial Flood Zone 3  
 [---] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



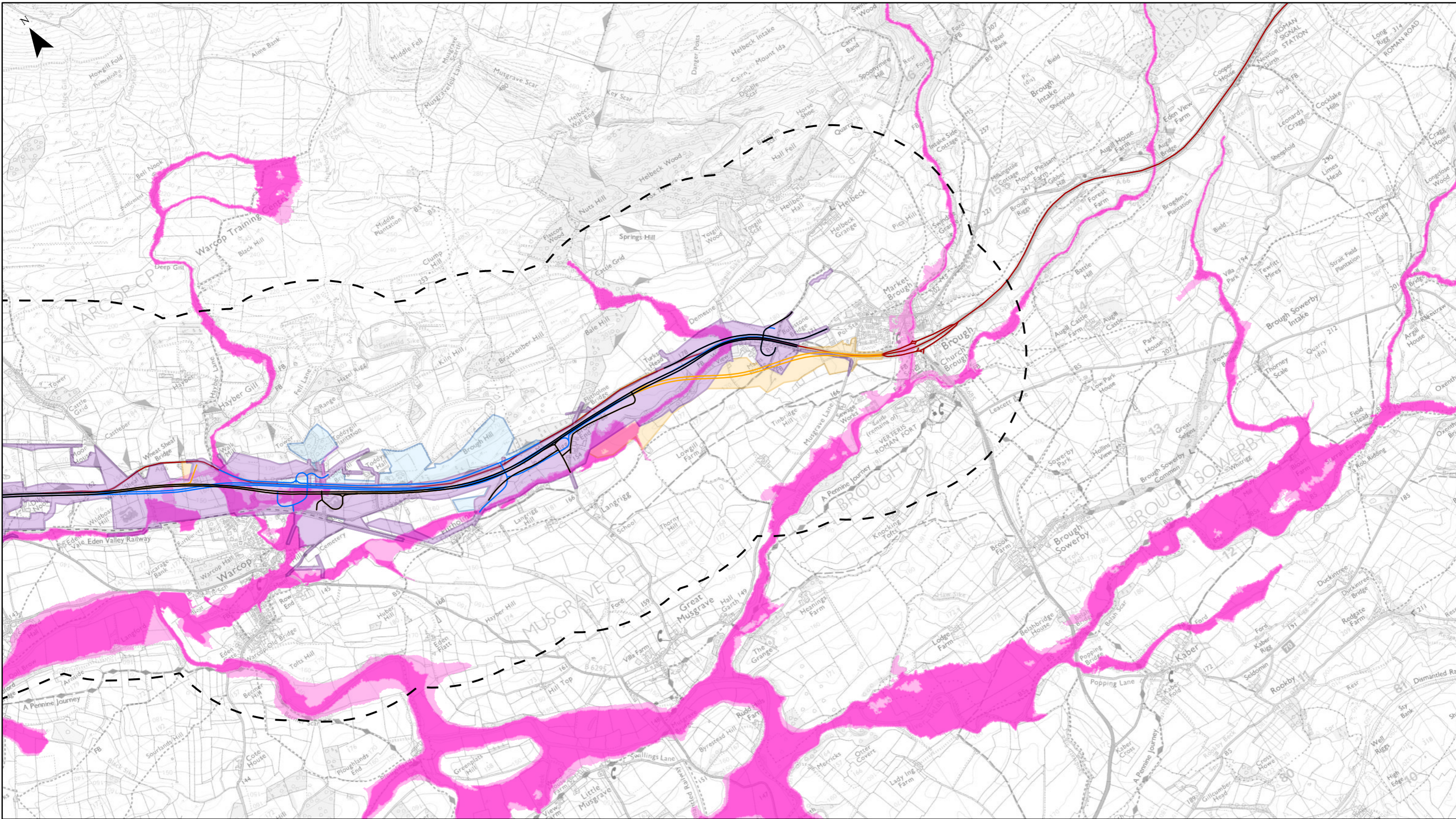
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Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2  
 Existing Flood Risk  
 Sheet 9 of 15  
 Appleby to Brough  
 All Alternatives

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP	LD - 011023
Location	Type	Role	Number
Suitability S4	FIT FOR STAGE APPROVAL		Revision P01



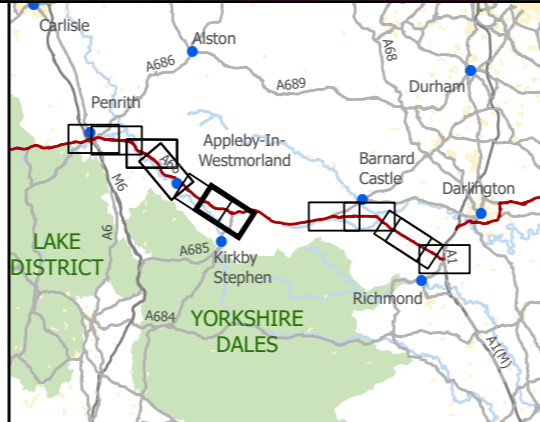
— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 — Scheme  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative

**Existing Flood Risk**  
 — Fluvial Flood Zone 3  
 — Fluvial Flood Zone 2

[---] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [---] Study Area 1km - Black Alternative  
 [---] Study Area 1km - Blue Alternative  
 [---] Study Area 1km - Orange Alternative  
 [---] Study Area 1km - Red Alternative

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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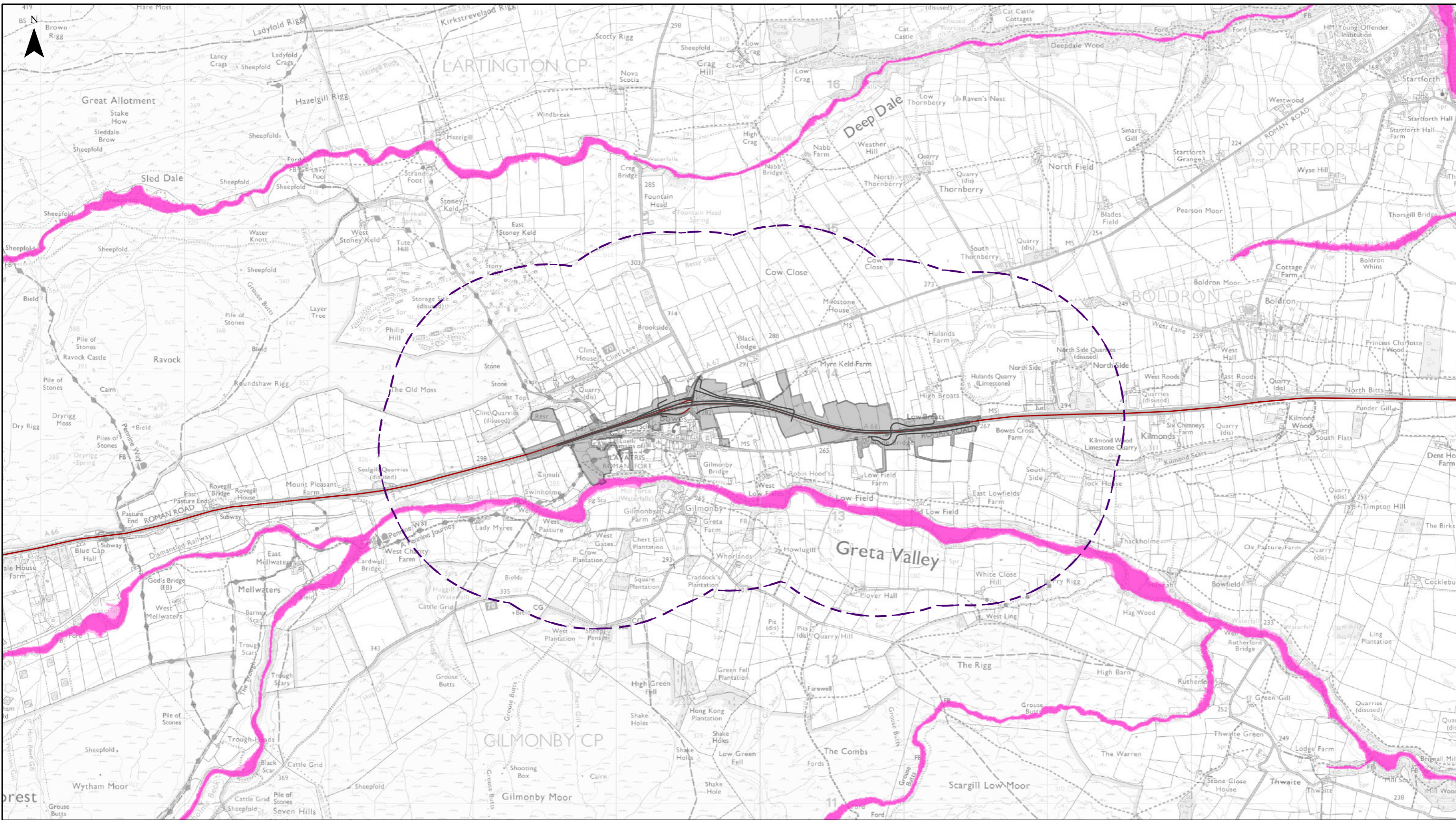
Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2

Existing Flood Risk  
 Sheet 10 of 15  
 Appleby to Brough  
 All Alternatives

Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
	MP	LD	011024

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01

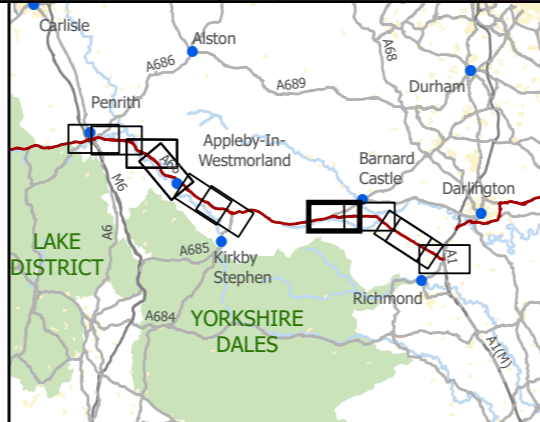


— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [ ] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [ ] Study Area 1km - Black Alternative  
 [ ] Study Area 1km - Blue Alternative  
 [ ] Study Area 1km - Orange Alternative  
 [ ] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [ ] Scheme  
 [ ] Black Alternative  
 [ ] Blue Alternative  
 [ ] Orange Alternative  
 [ ] Red Alternative

**Existing Flood Risk**  
 [ ] Fluvial Flood Zone 3  
 [ ] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



P01	First Issue	CESL	MMAT	MBRE	KWHA	AMIT
		12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

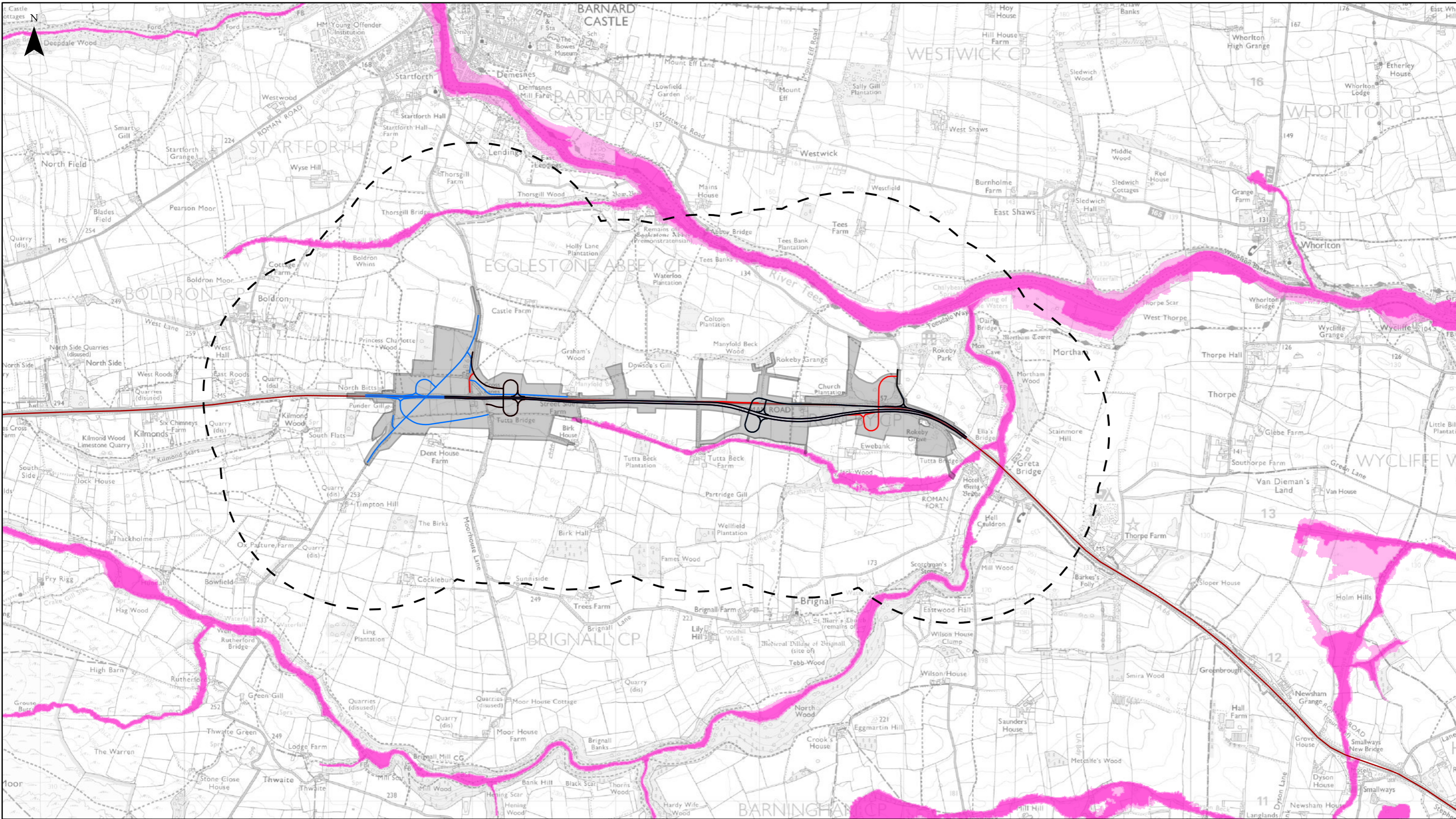
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2  
 Existing Flood Risk  
 Sheet 11 of 15  
 Bowes Bypass  
 Scheme Centreline

Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
	MP	LD	011025

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01

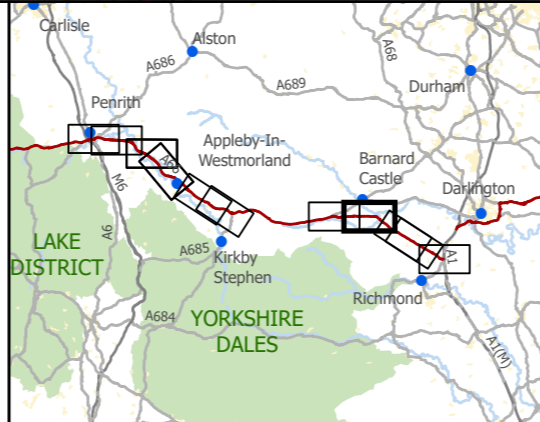


— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [Dashed] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [Dashed] Study Area 1km - Black Alternative  
 [Dashed] Study Area 1km - Blue Alternative  
 [Dashed] Study Area 1km - Orange Alternative  
 [Dashed] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [Grey] Scheme  
 [Purple] Black Alternative  
 [Blue] Blue Alternative  
 [Orange] Orange Alternative  
 [Red] Red Alternative

**Existing Flood Risk**  
 [Pink] Fluvial Flood Zone 3  
 [Light Pink] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

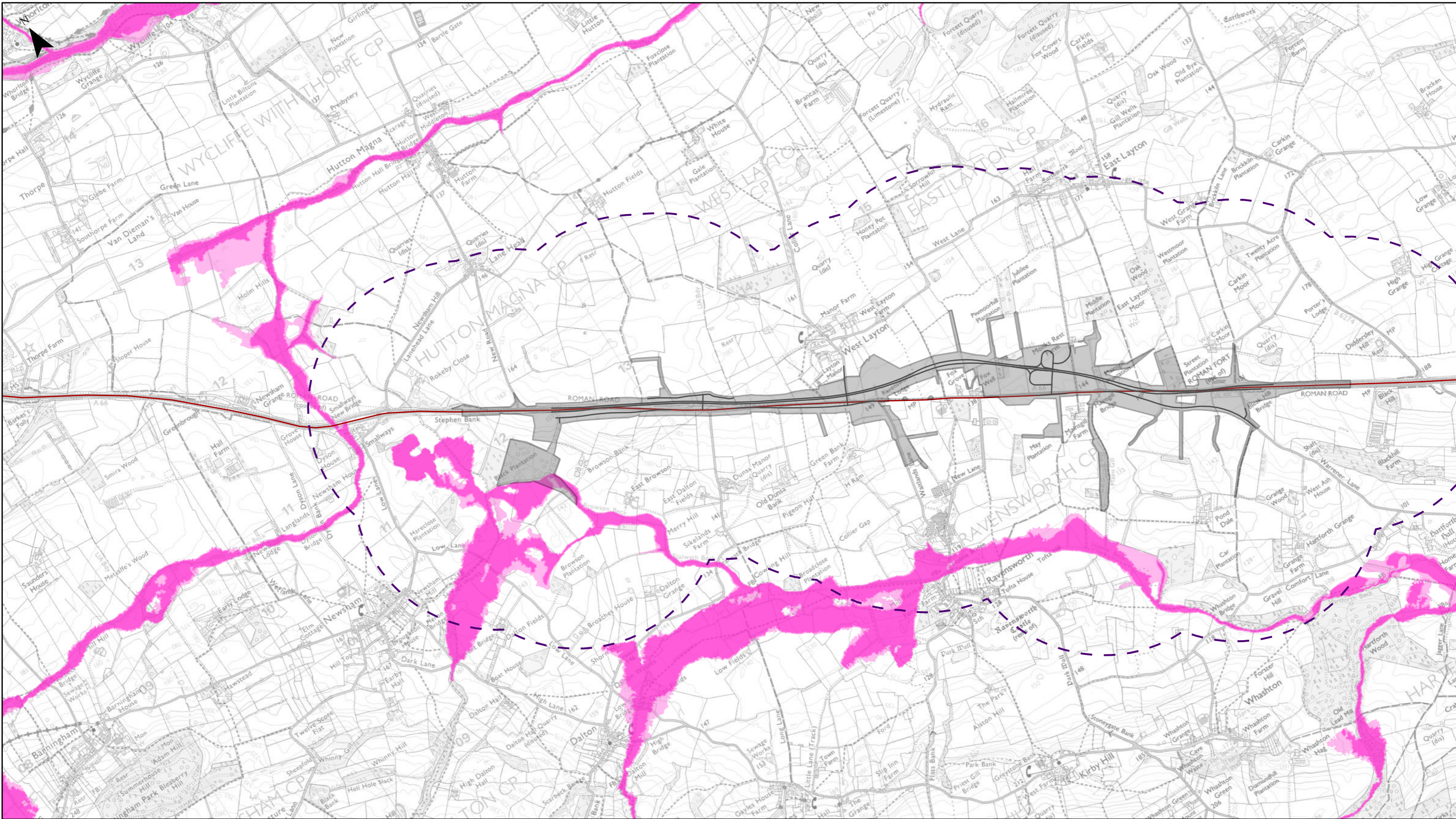
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2

Existing Flood Risk  
 Sheet 12 of 15  
 Cross Lanes to Rokeby  
 All Alternatives

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011026
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01

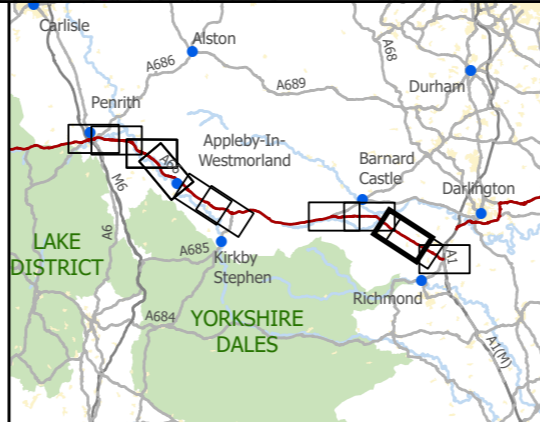


— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [---] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [---] Study Area 1km - Black Alternative  
 [---] Study Area 1km - Blue Alternative  
 [---] Study Area 1km - Orange Alternative  
 [---] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [---] Scheme  
 [---] Black Alternative  
 [---] Blue Alternative  
 [---] Orange Alternative  
 [---] Red Alternative

**Existing Flood Risk**  
 [---] Fluvial Flood Zone 3  
 [---] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



P01	First Issue	CESL	MMAT	MBRE	KWHA	AMIT
		12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

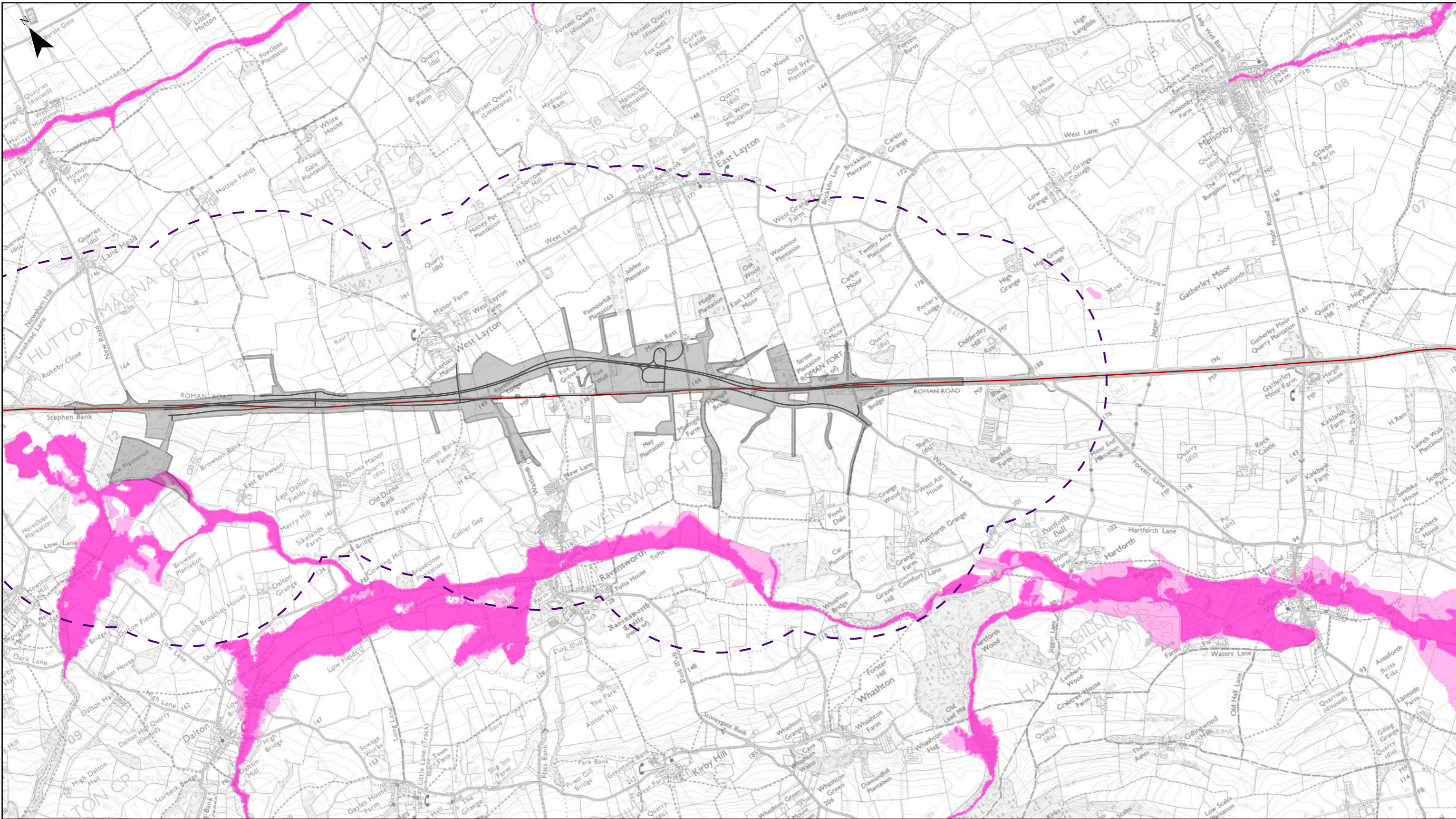
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2  
 Existing Flood Risk  
 Sheet 13 of 15  
 Stephen Bank to Carkin Moor  
 Scheme Centreline

Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
	MP	LD	011027

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01

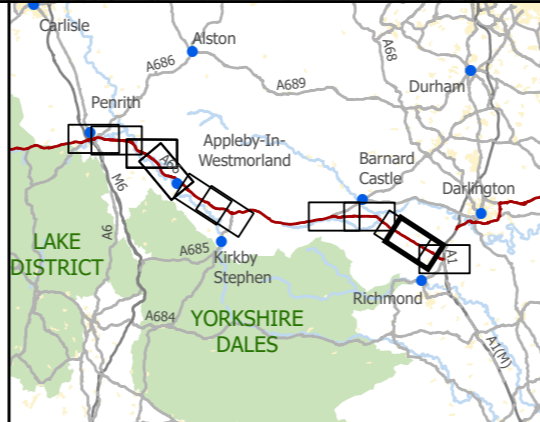


— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [Dashed Purple] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [Dashed Blue] Study Area 1km - Black Alternative  
 [Dashed Orange] Study Area 1km - Blue Alternative  
 [Dashed Red] Study Area 1km - Orange Alternative  
 [Dashed Red] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [Grey] Scheme  
 [Light Purple] Black Alternative  
 [Light Blue] Blue Alternative  
 [Light Orange] Orange Alternative  
 [Light Red] Red Alternative

**Existing Flood Risk**  
 [Pink] Fluvial Flood Zone 3  
 [Light Pink] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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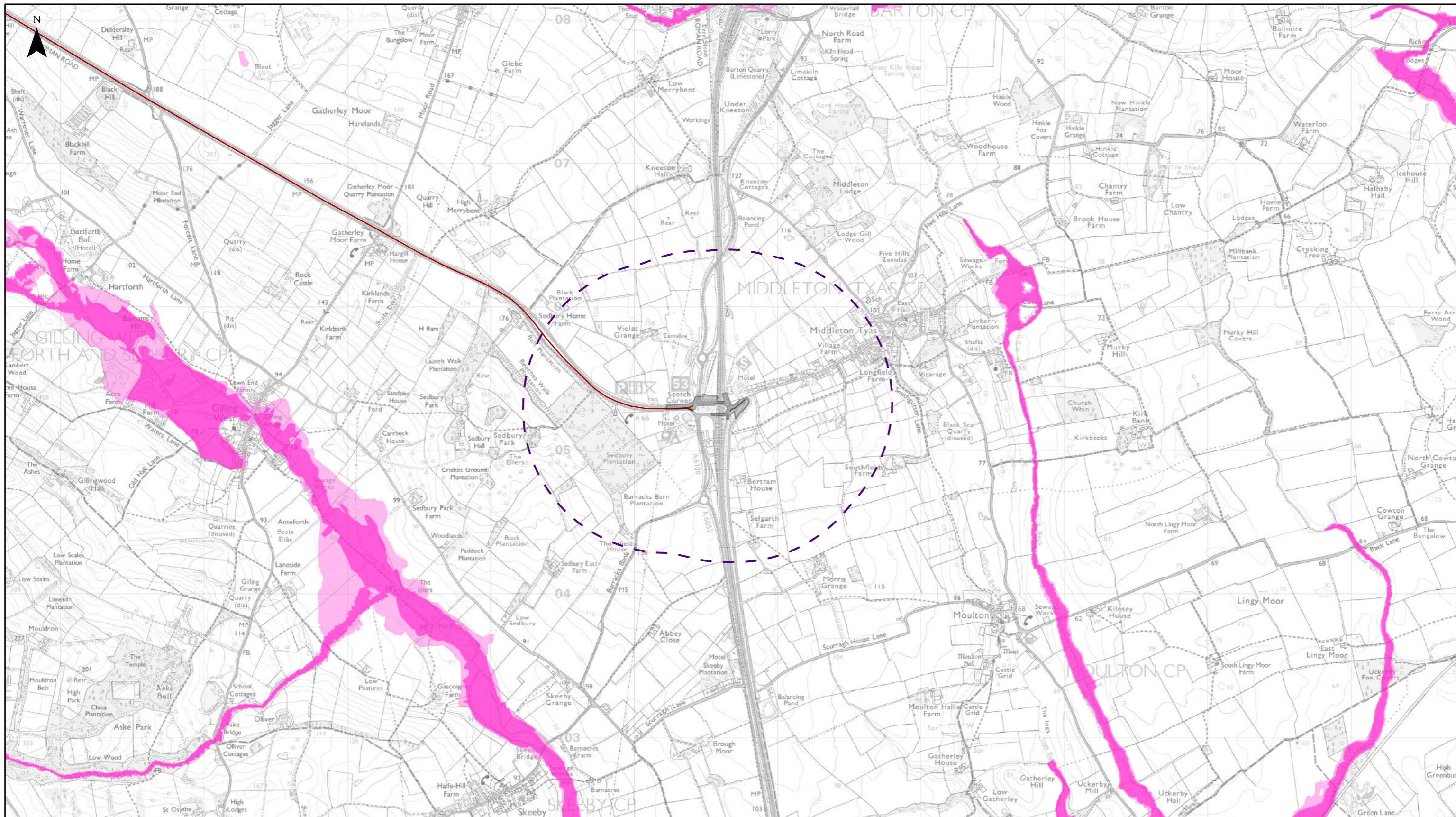
Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2

Existing Flood Risk  
 Sheet 14 of 15  
 Stephen Bank to Carkin Moor  
 Scheme Centreline

Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
MP - LD - 011028			

Suitability	Suitability Description	Revision
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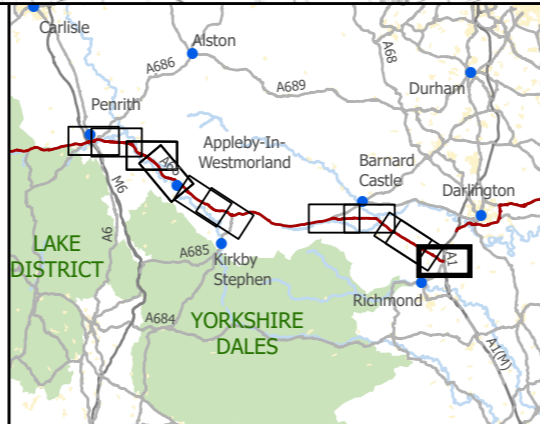


— Scheme Centreline  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66  
 [Dashed Purple] Study Area 1km - Combined Scheme Draft DCO Boundaries  
 [Dashed Blue] Study Area 1km - Black Alternative  
 [Dashed Orange] Study Area 1km - Blue Alternative  
 [Dashed Red] Study Area 1km - Orange Alternative  
 [Dashed Red] Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 [Grey] Scheme  
 [Purple] Black Alternative  
 [Blue] Blue Alternative  
 [Orange] Orange Alternative  
 [Red] Red Alternative

**Existing Flood Risk**  
 [Pink] Fluvial Flood Zone 3  
 [Light Pink] Fluvial Flood Zone 2

Note: Environment Agency Flood Zone 1 includes all areas outside of Environment Agency Flood Zones 2 and 3



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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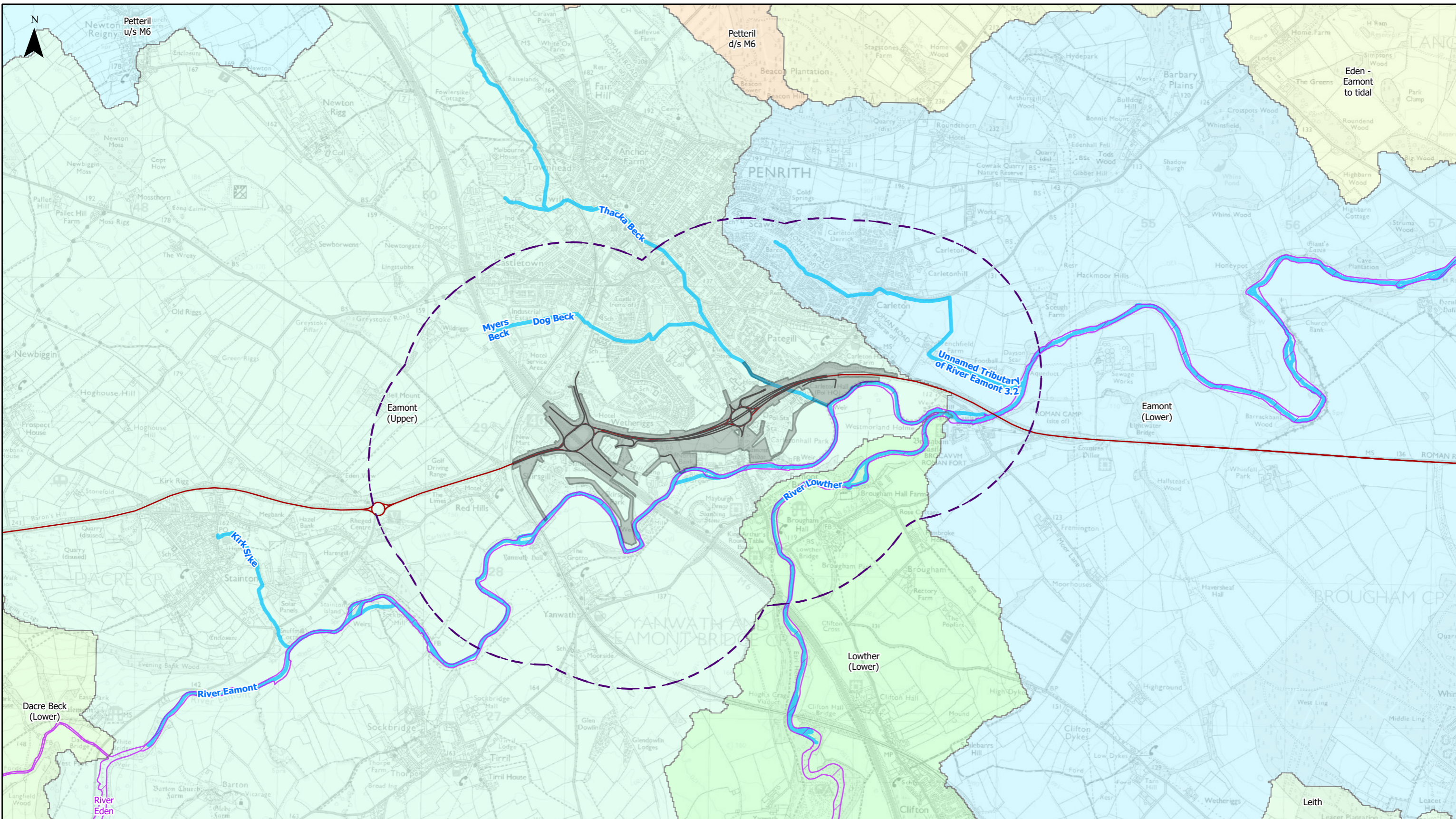
Project Name  
**A66 Northern Trans-Pennine**

Map Title  
 Figure 14.2

Existing Flood Risk  
 Sheet 15 of 15  
 A1(M) Junction 53 Scotch Corner  
 Scheme Centreline

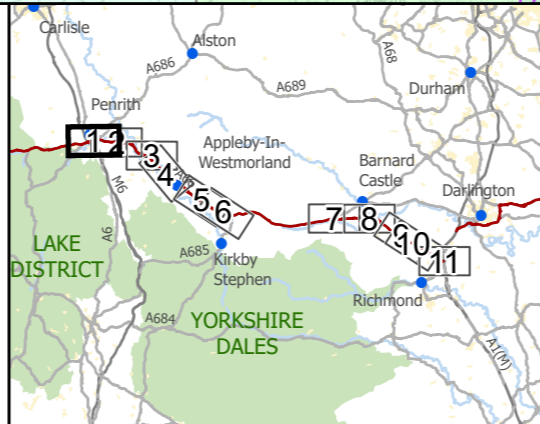
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HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011029
Location		Type	Role



Suitability	Suitability Description	Revision
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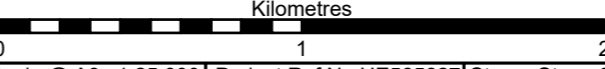
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- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



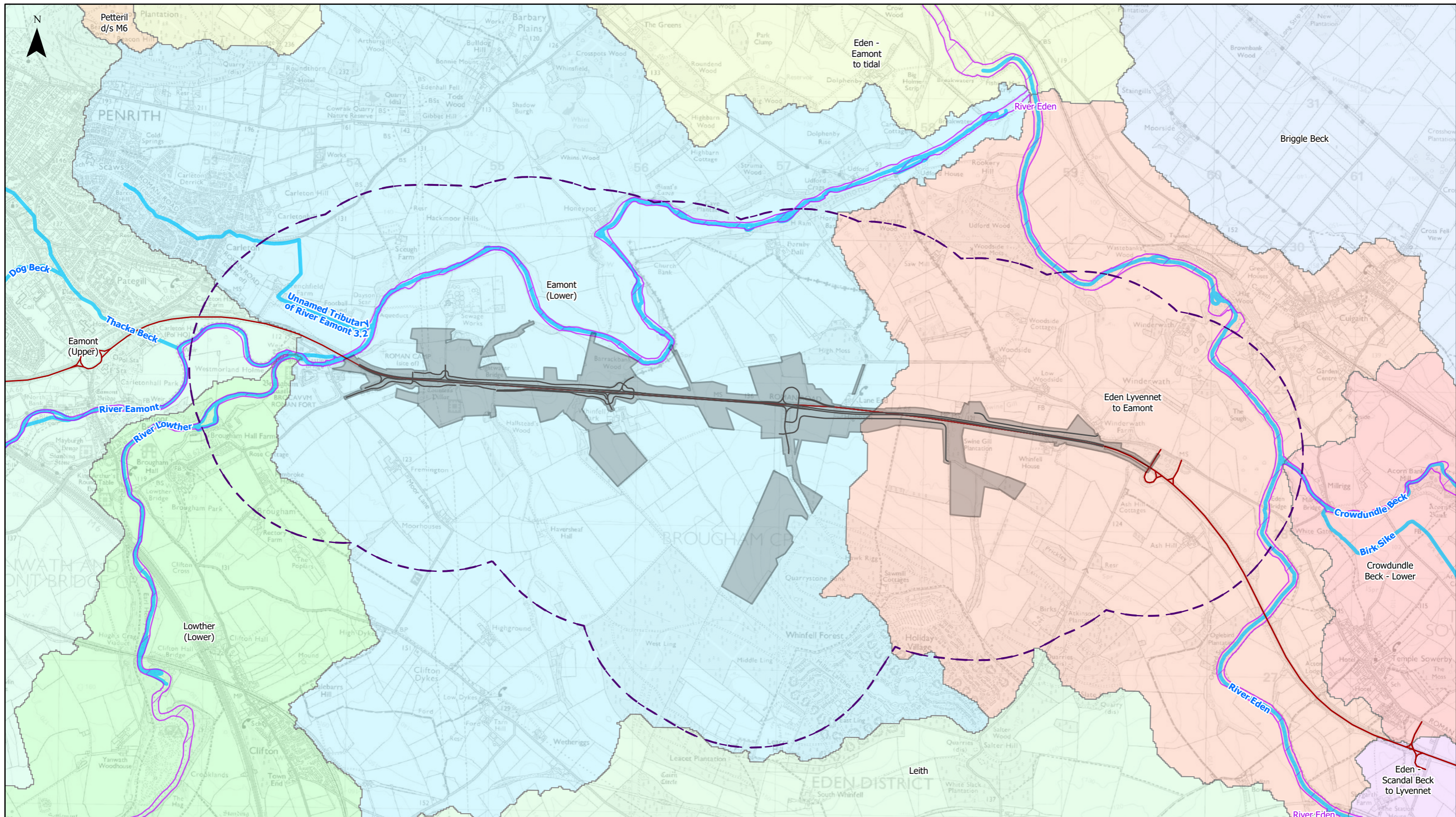
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	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



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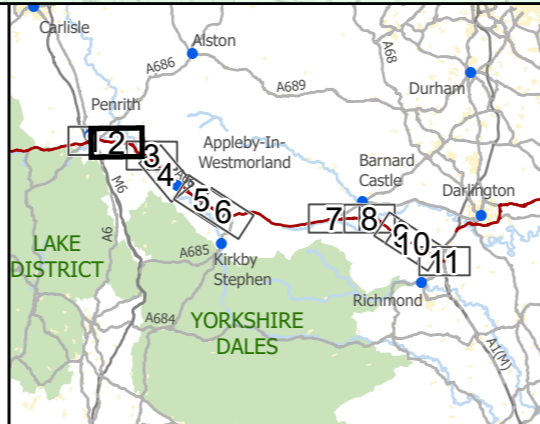
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Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 1 of 15			
M6 Junction 40 to Kemplay Bank			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
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Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	







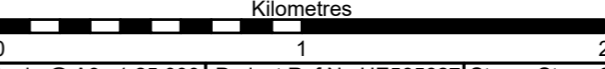
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- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eaden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



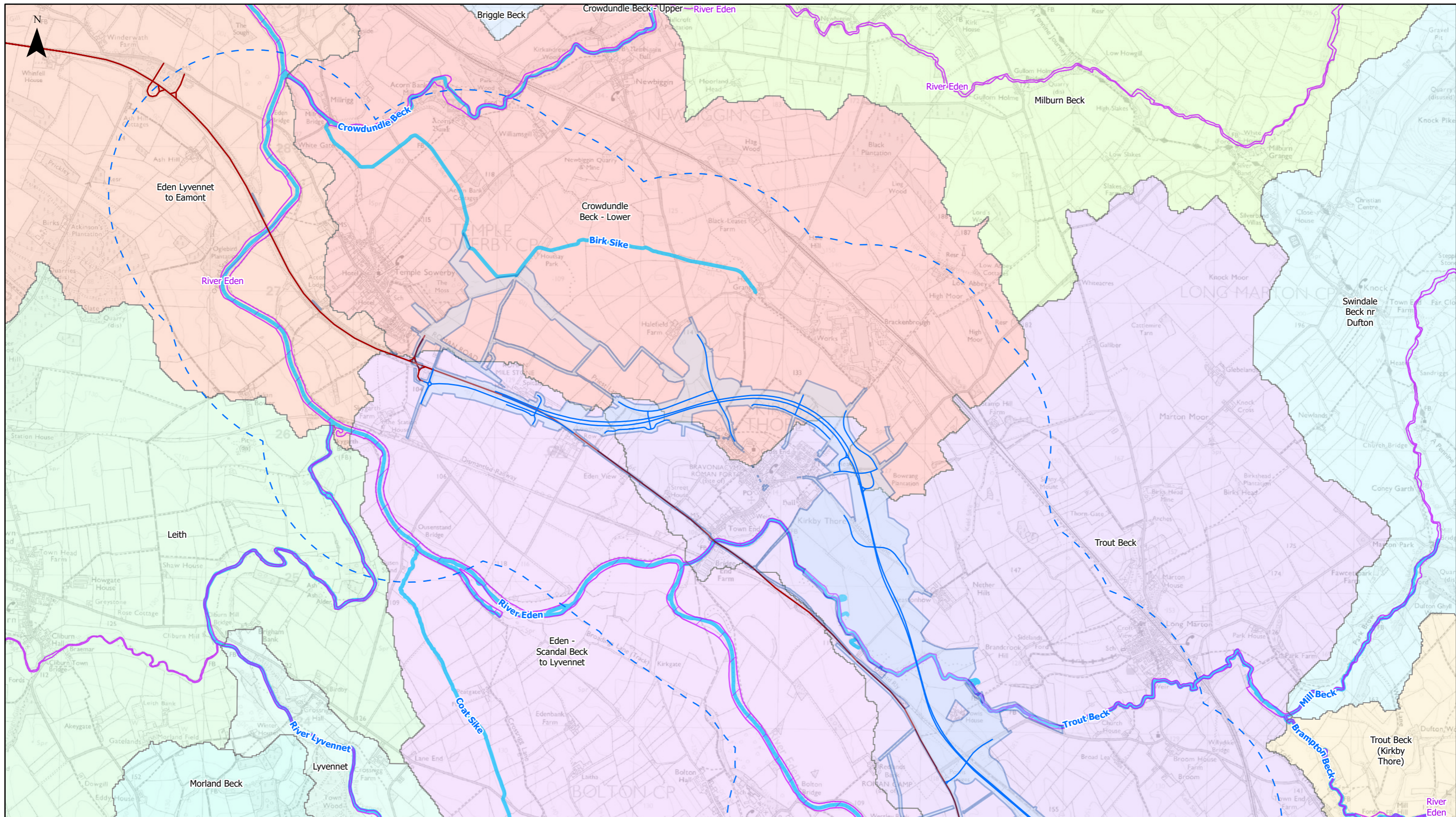
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Revision	Created	Checked	Reviewed	Approved	Authorised	



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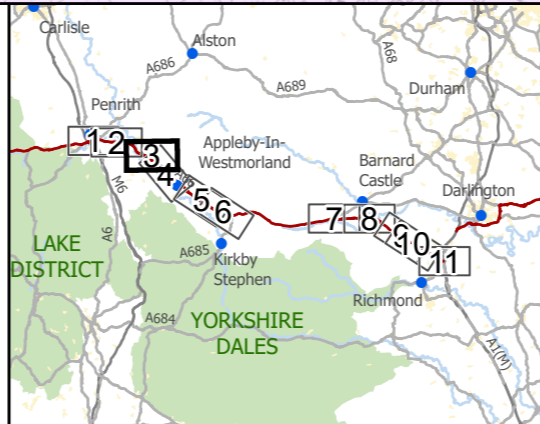
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 2 of 15			
Penrith to Temple Sowerby			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
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Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



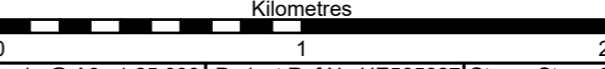
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- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



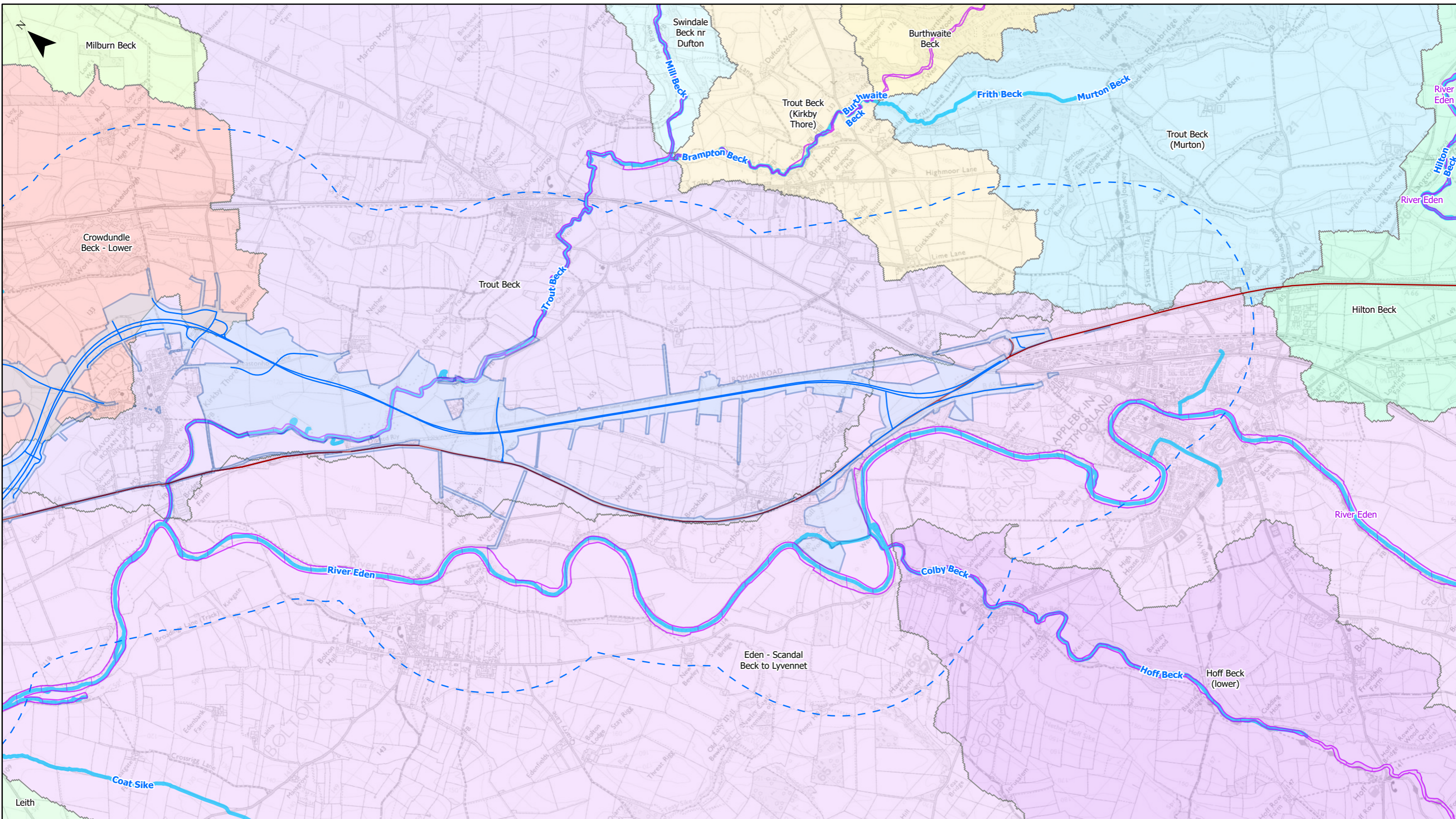
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Revision	Created	Checked	Reviewed	Approved	Authorised



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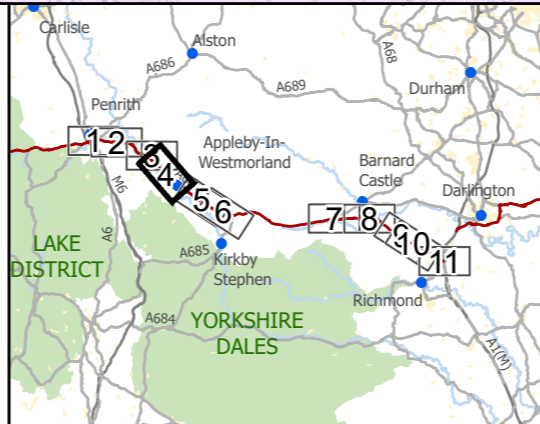
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 3 of 15			
Temple Sowerby to Appleby			
Blue Alternative			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Location		Type	Role
S00		- MP - LD	- 011032
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



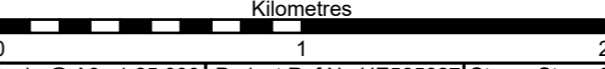
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- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



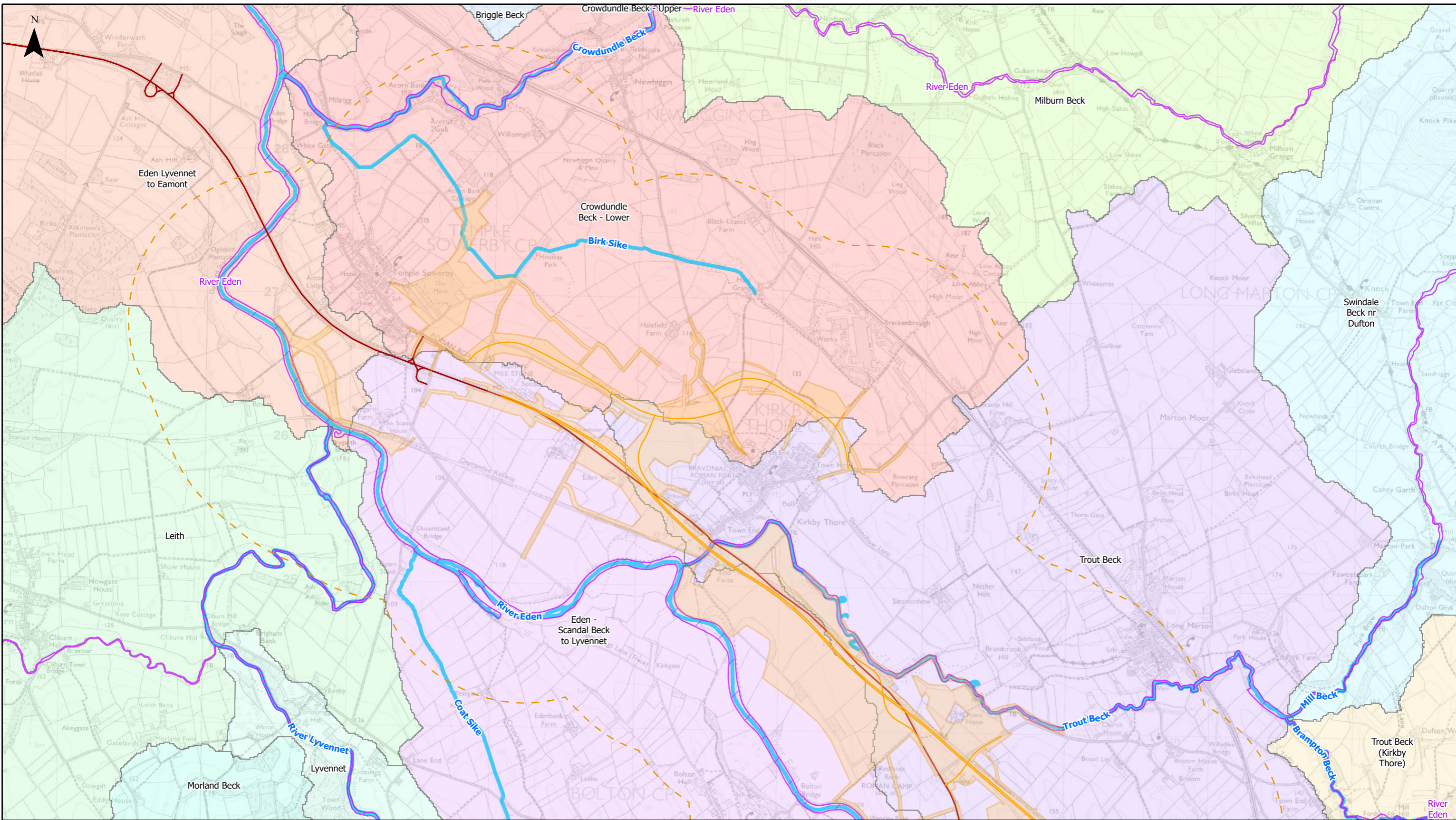



P01	First Issue				
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Revision	Created	Checked	Reviewed	Approved	Authorised



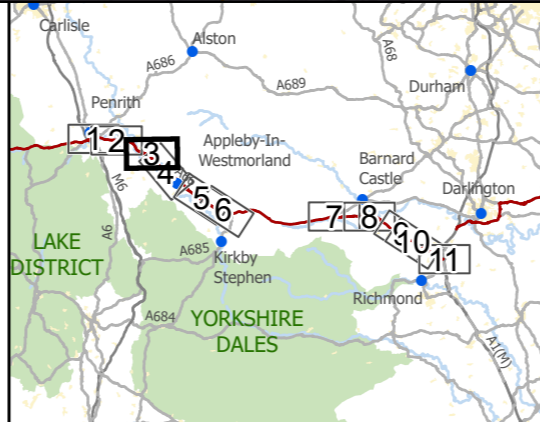
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 4 of 15			
Temple Sowerby to Appleby			
Blue Alternative			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	MP	LD	011033
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

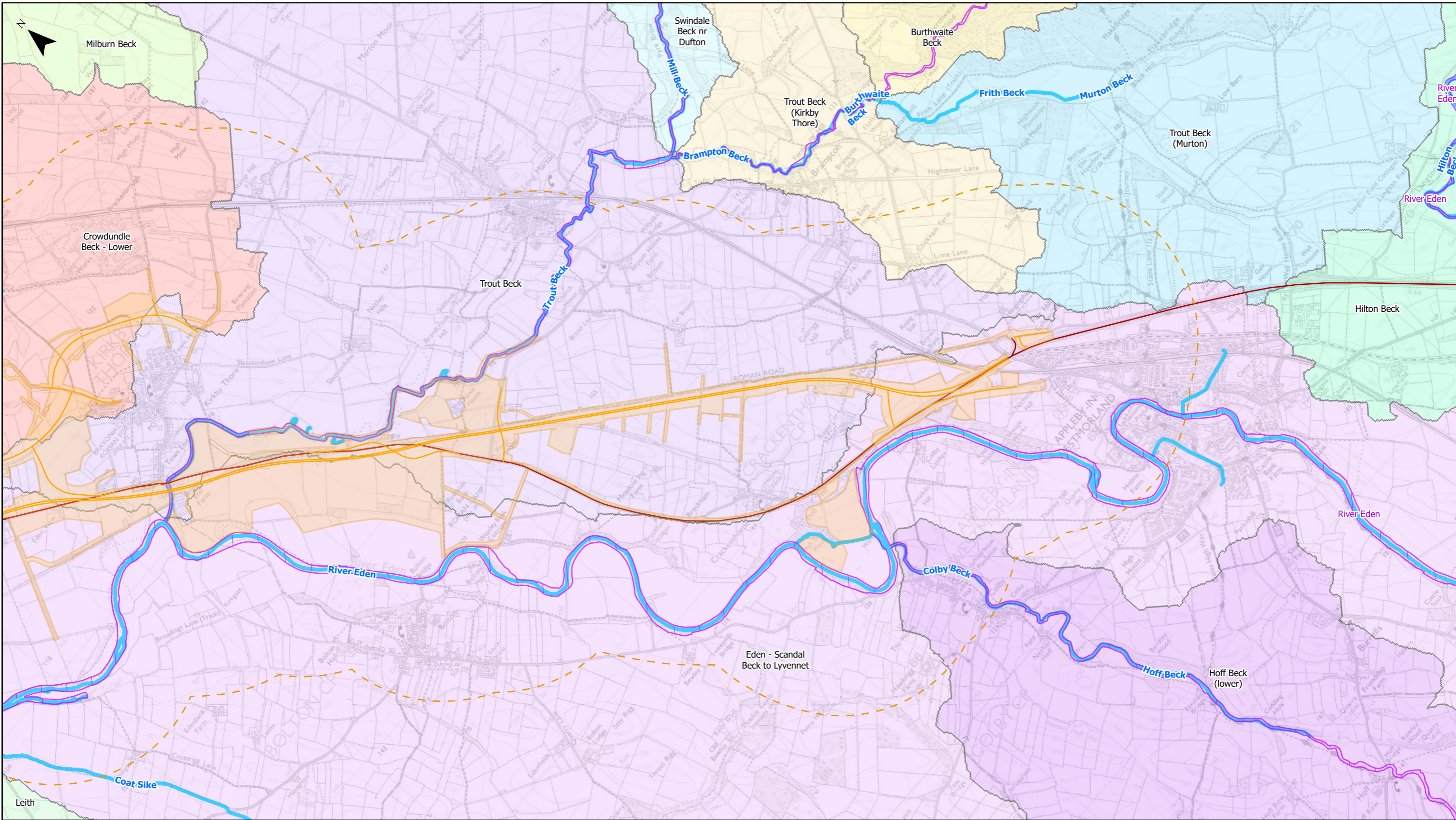
- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
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  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

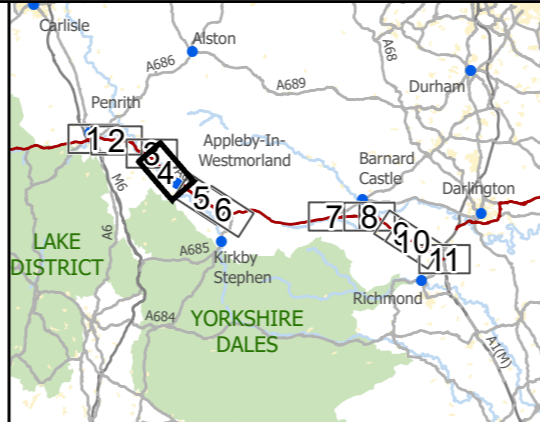
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 5 of 15			
Temple Sowerby to Appleby			
Orange Alternative			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011034
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

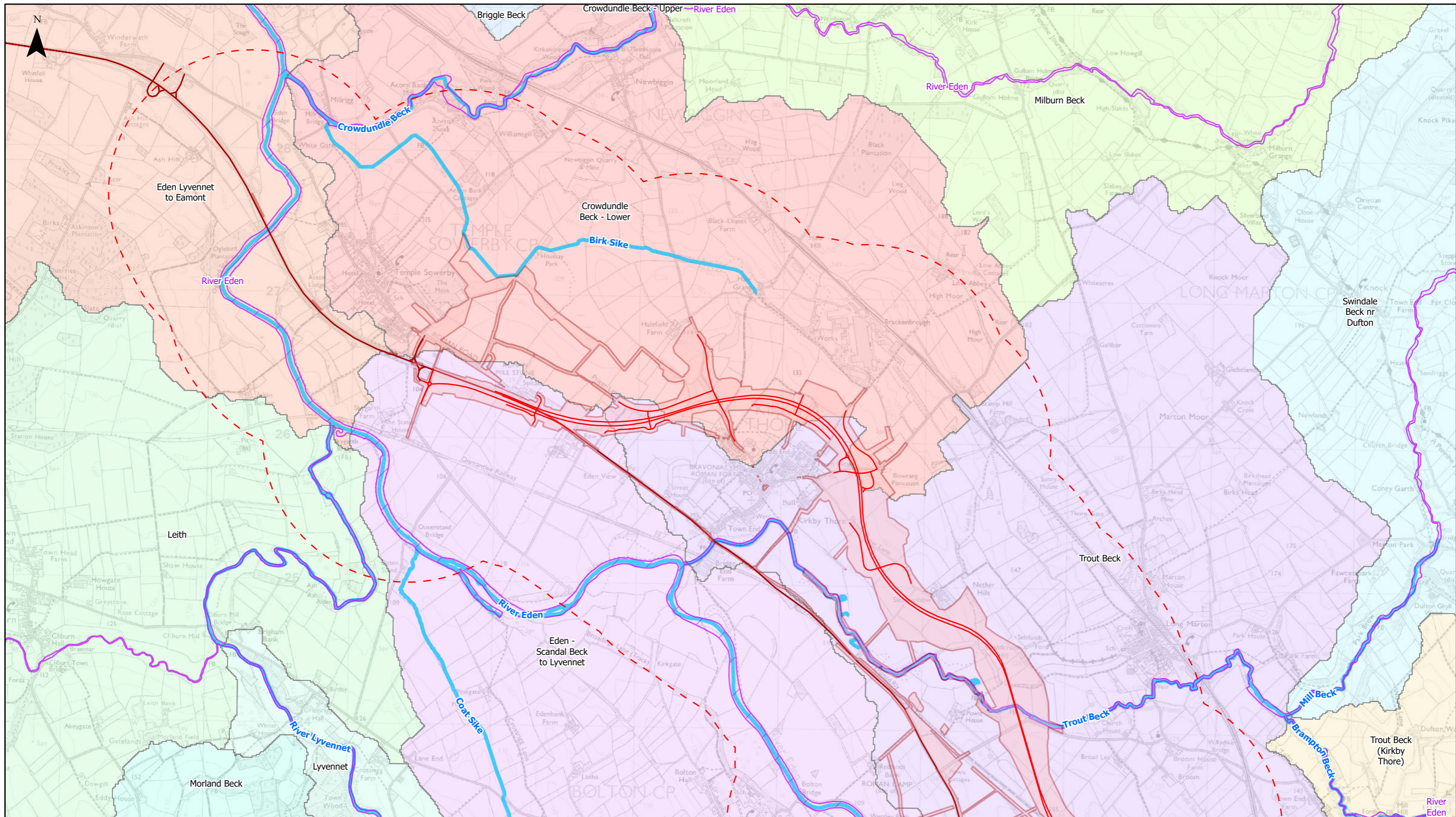
- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
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  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

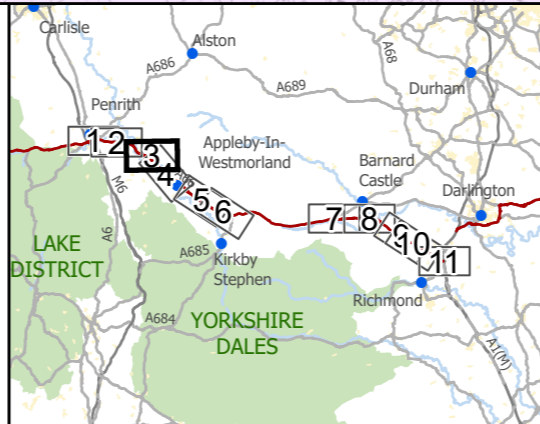
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 6 of 15			
Temple Sowerby to Appleby			
Orange Alternative			
Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP - LD	-
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

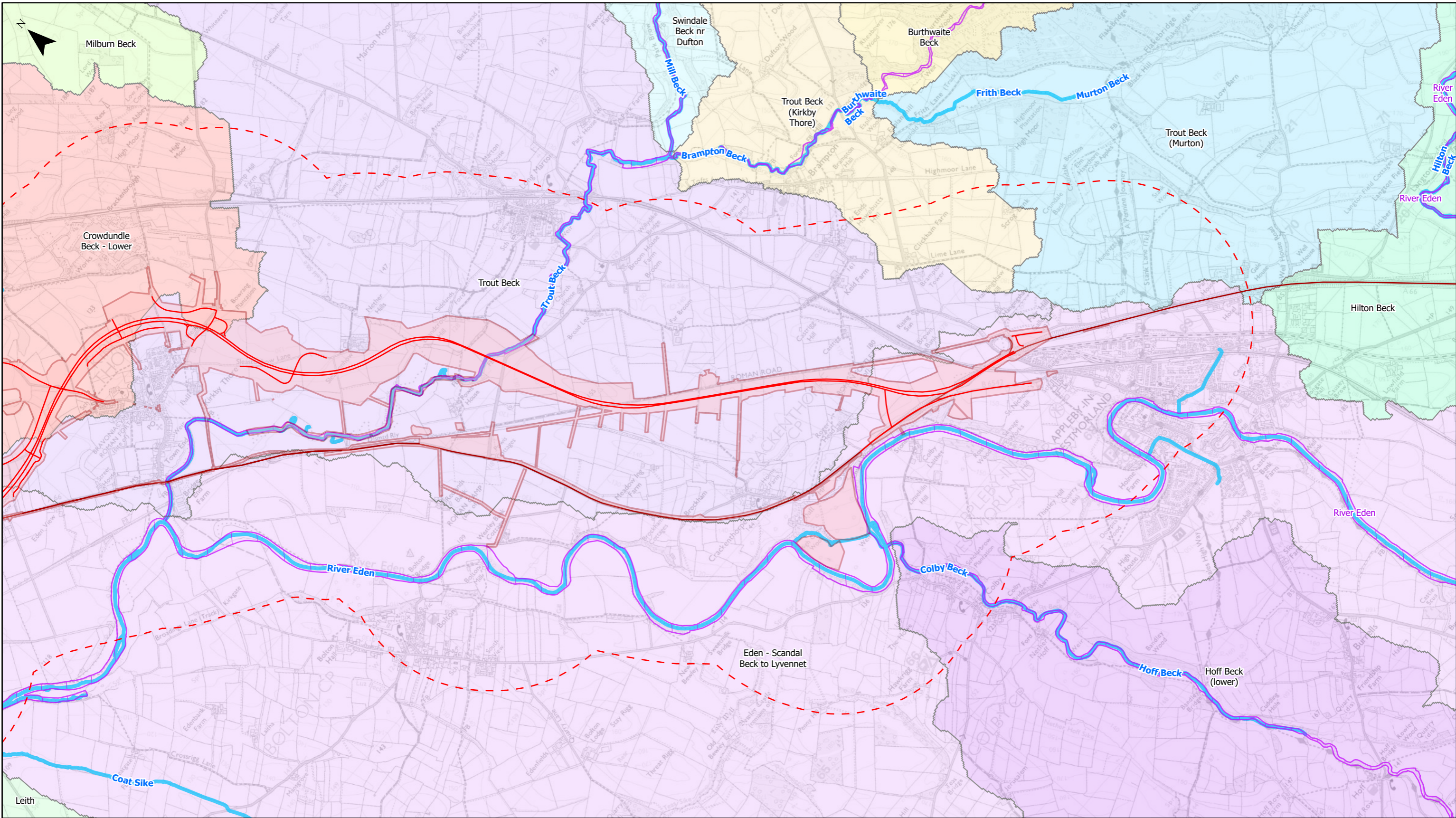
- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
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  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



P01	First Issue					
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Revision	Created	Checked	Reviewed	Approved	Authorised	

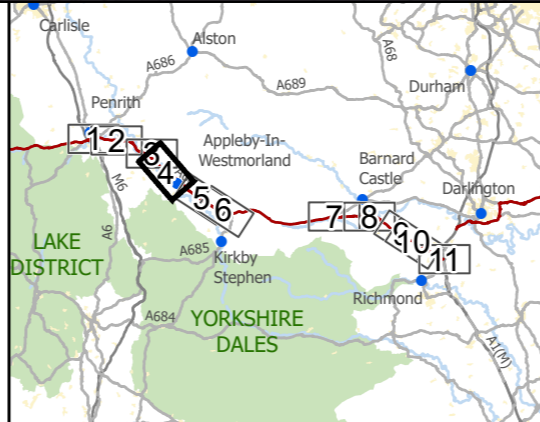
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 7 of 15			
Temple Sowerby to Appleby			
Red Alternative			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Location		Type	Role
S00		- MP - LD	- 011036
Suitability	Suitability Description		Revision
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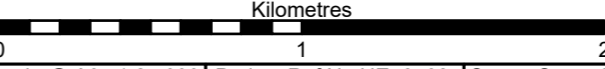
- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



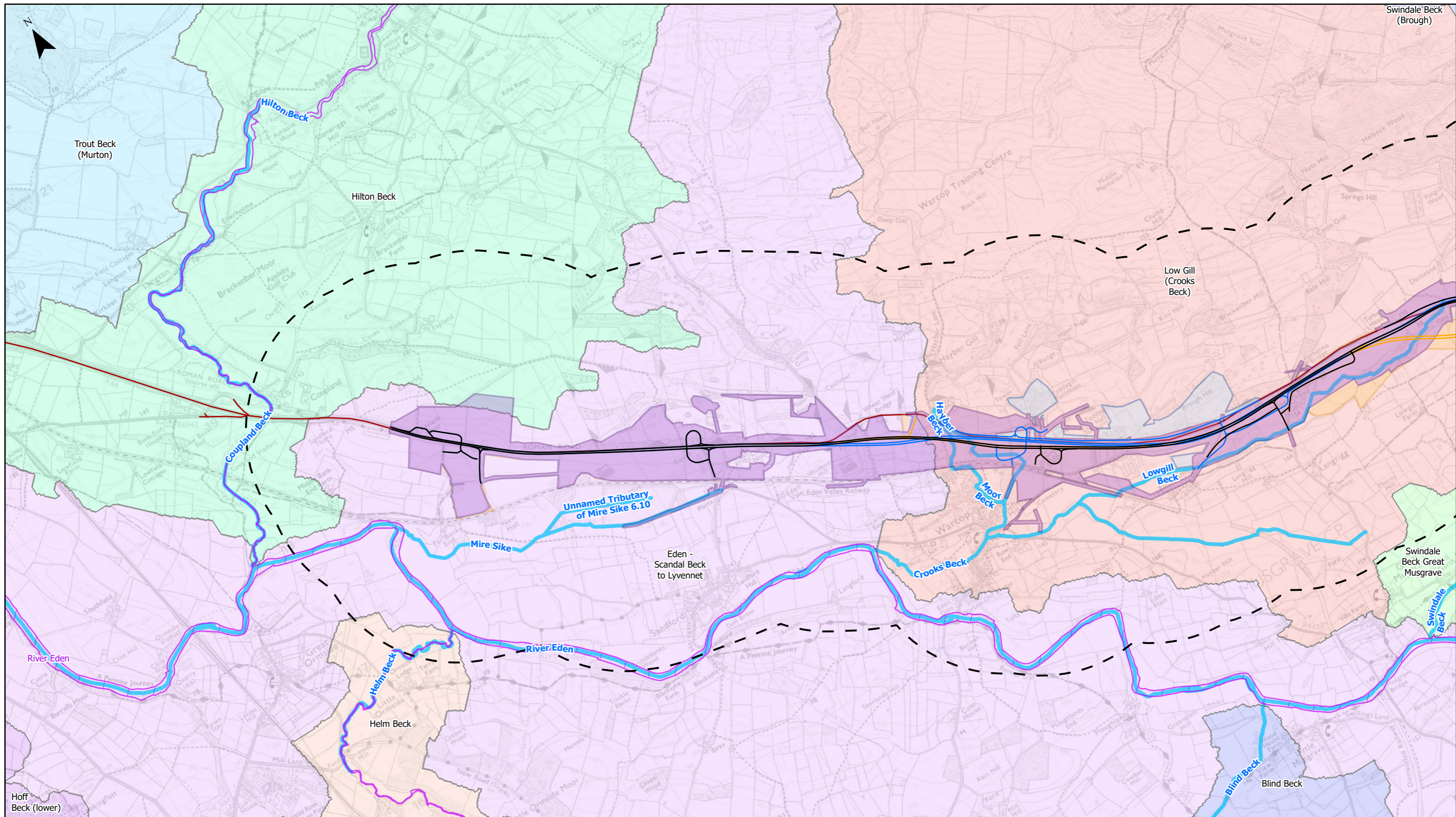
P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



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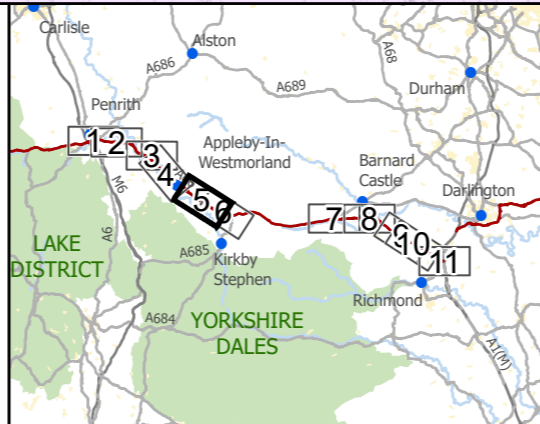
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 8 of 15			
Temple Sowerby to Appleby			
Red Alternative			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	MP	LD	011037
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



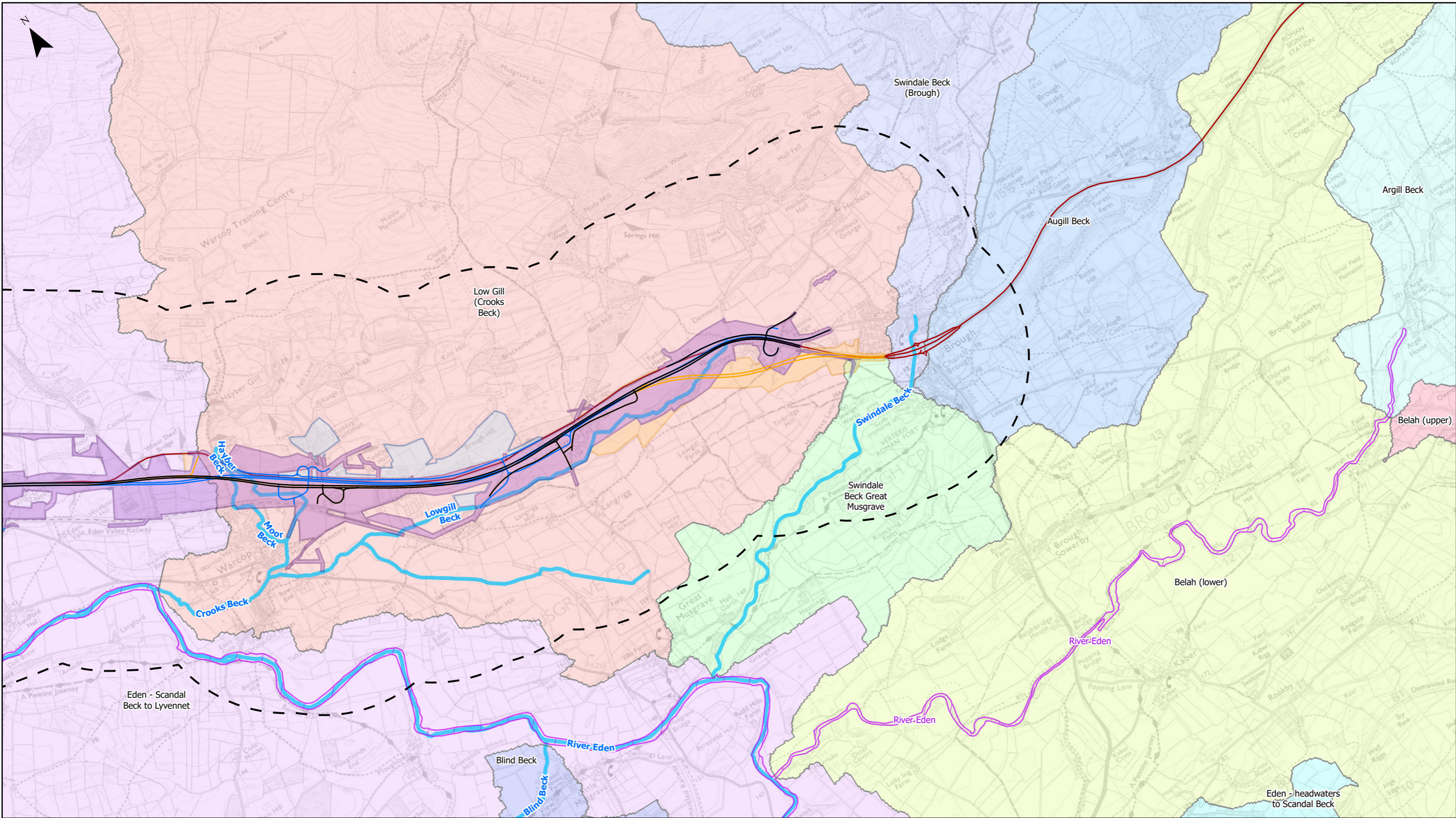
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	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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

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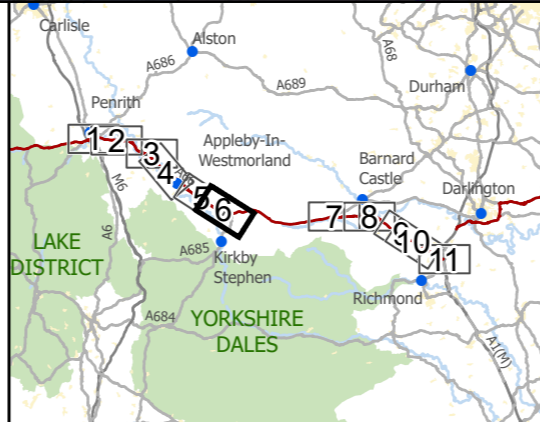
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 9 of 15			
Appley to Brough			
All Alternatives			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011038
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	





- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

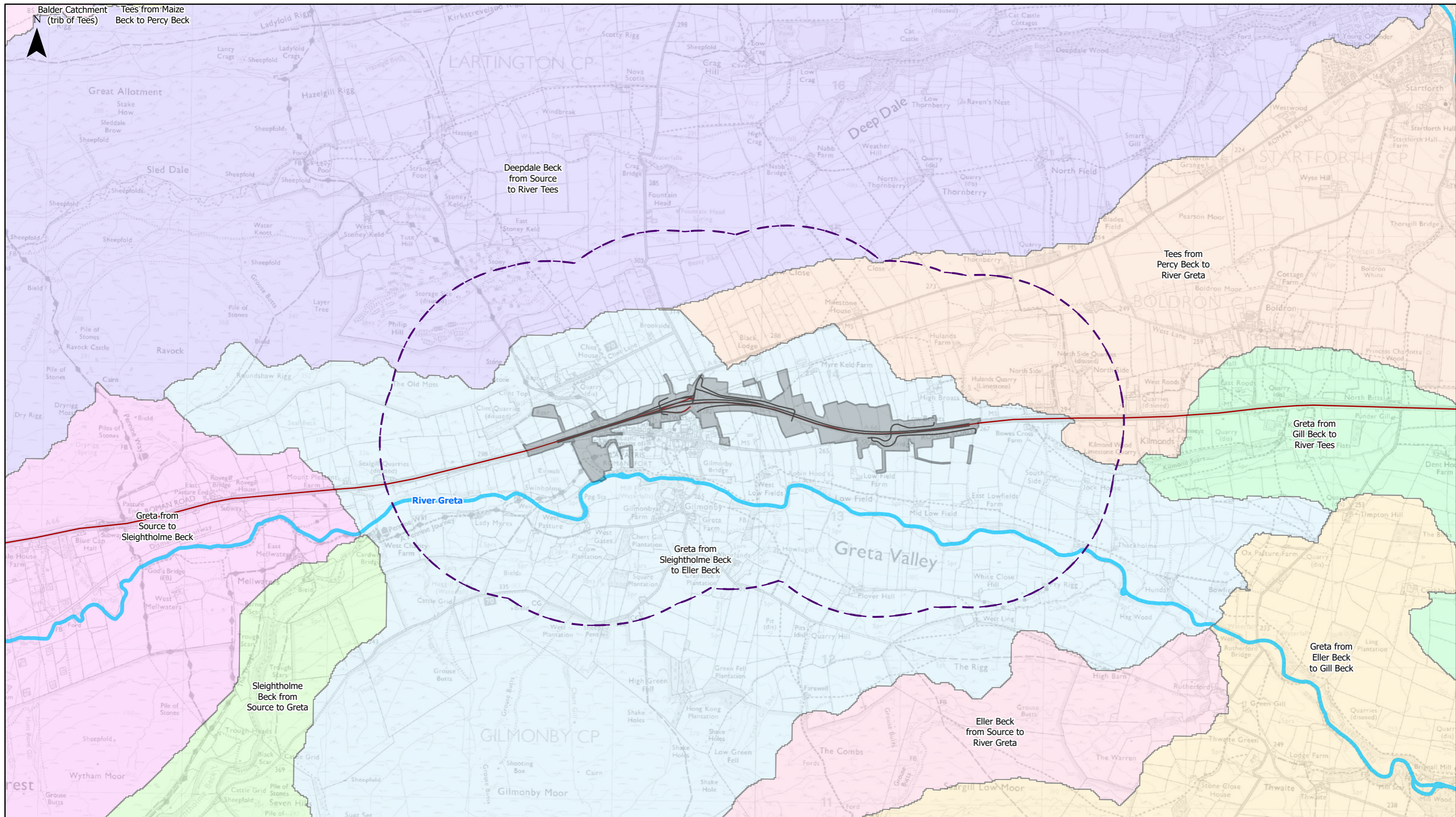
- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

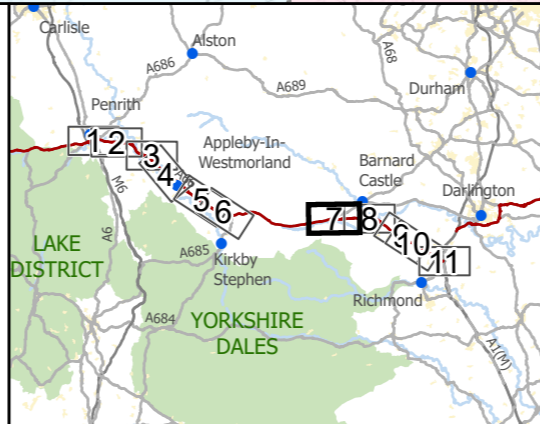
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 10 of 15			
Appley to Brough			
All Alternatives			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011039
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

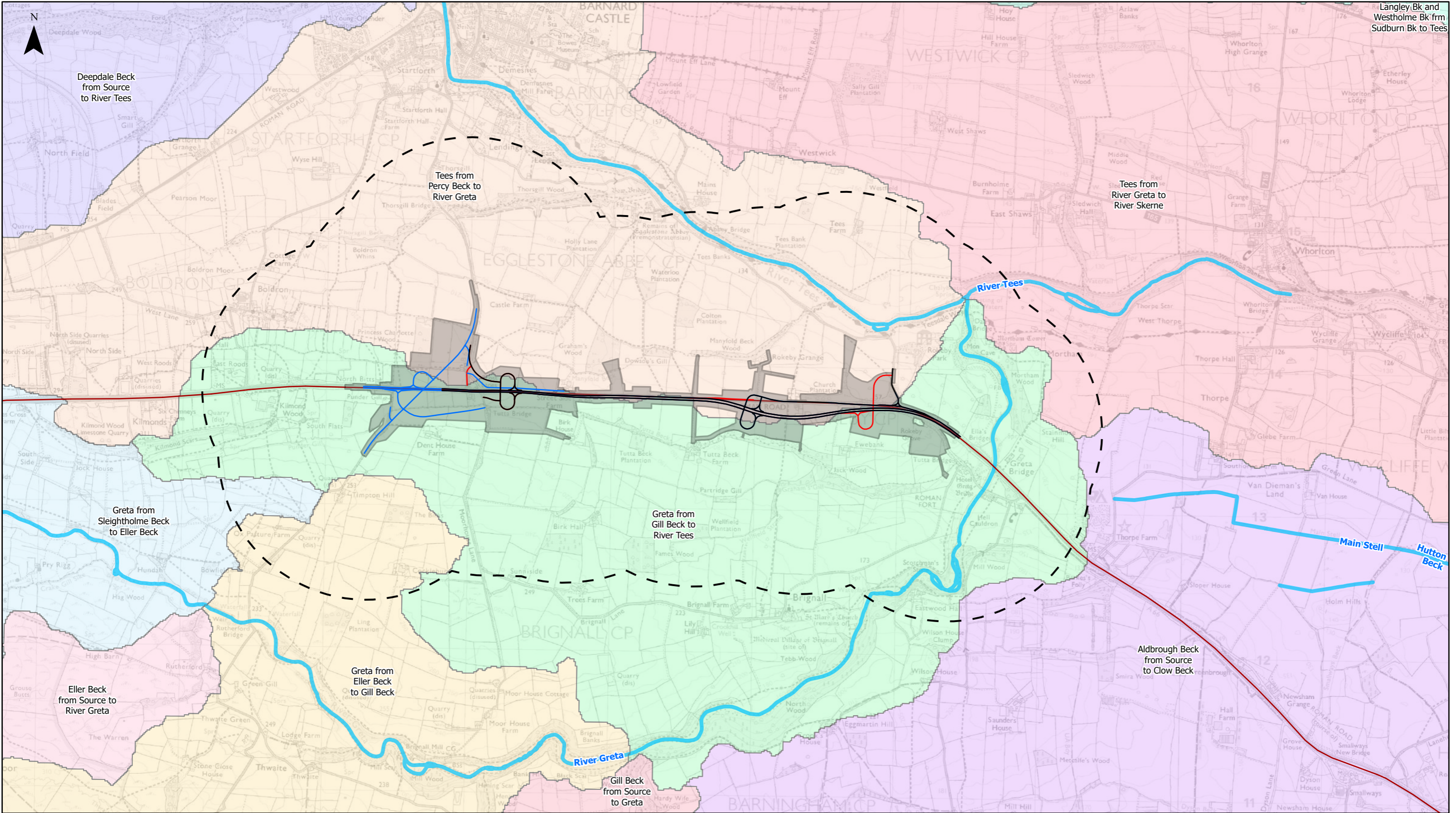
- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

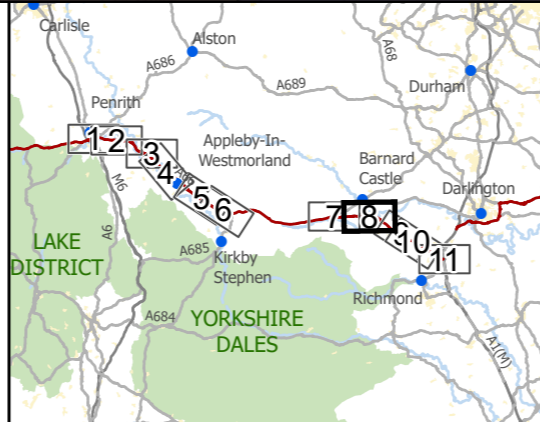
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 11 of 15			
Bowes Bypass			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011040
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

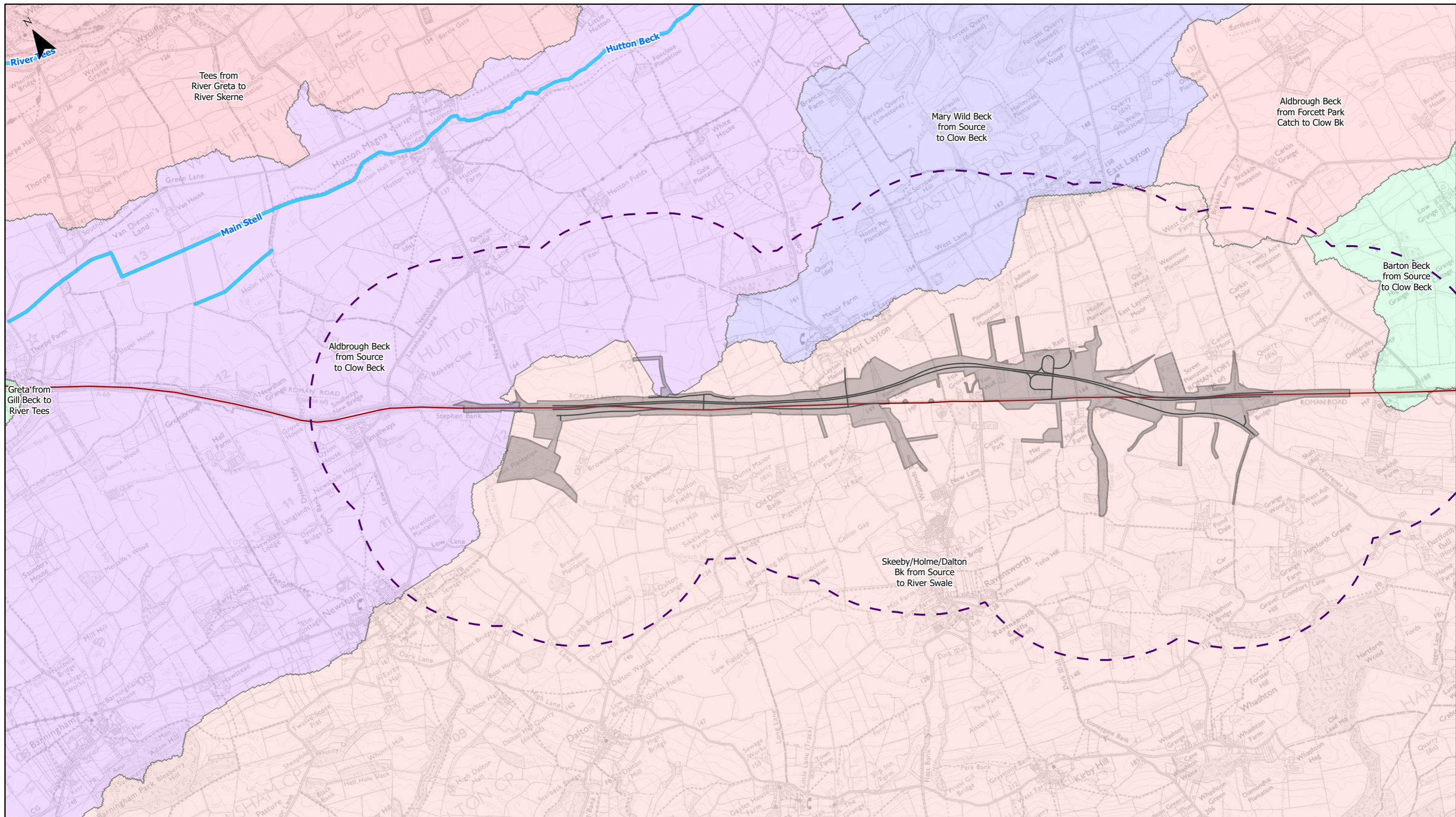
- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

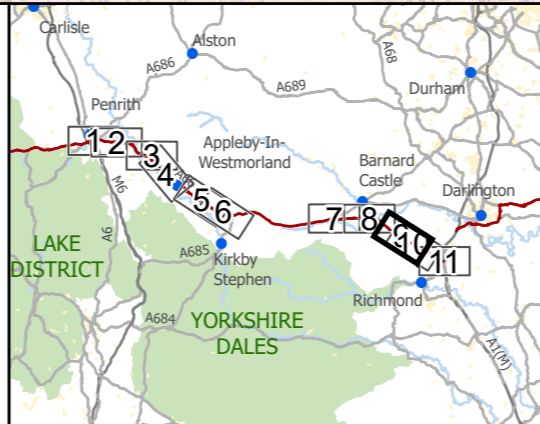
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 12 of 15			
Cross Lanes to Rokeby			
All Alternatives			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	MP	LD	011041
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



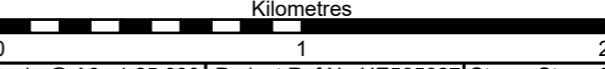
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- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



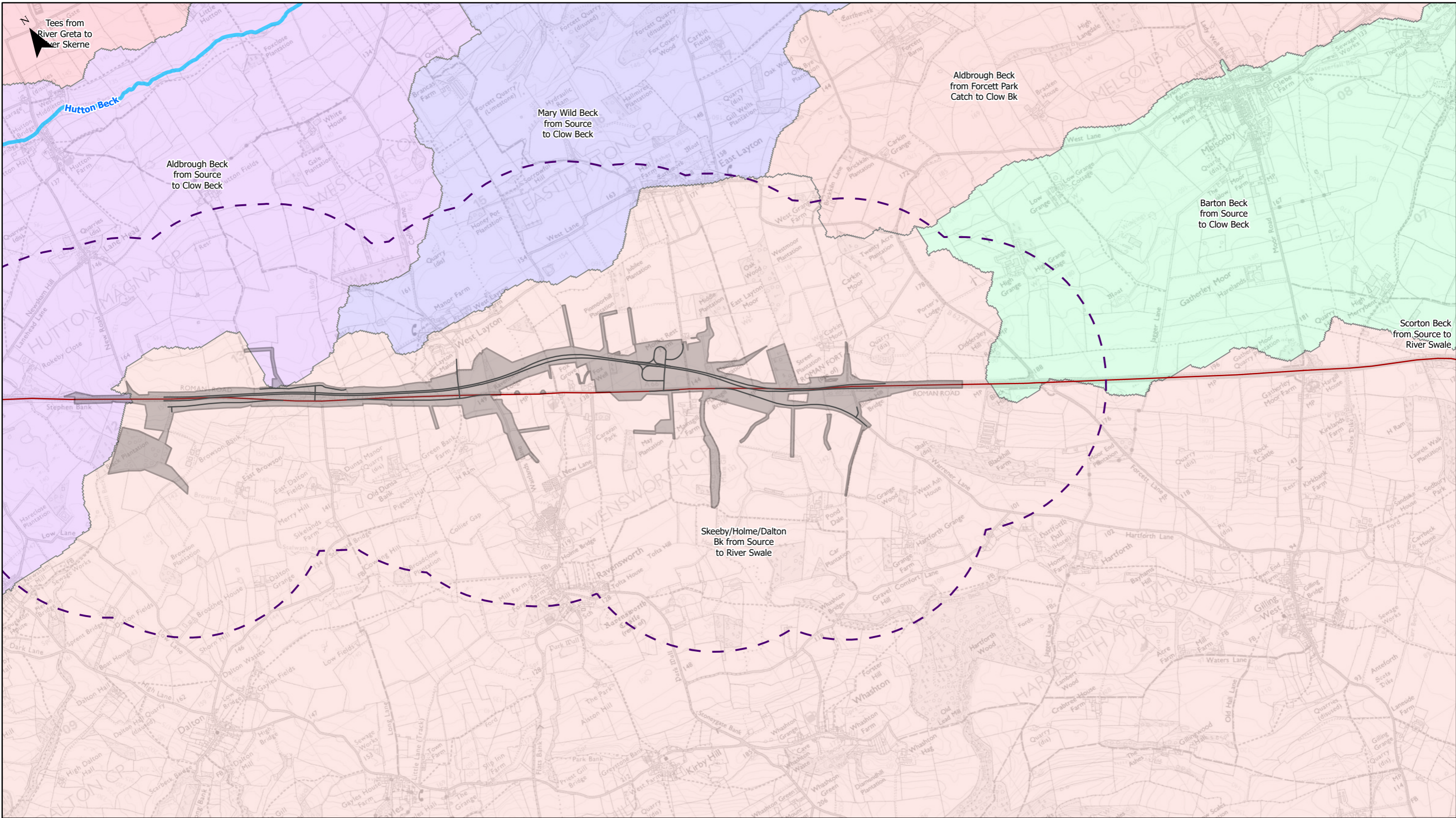



P01	First Issue				
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Revision	Created	Checked	Reviewed	Approved	Authorised



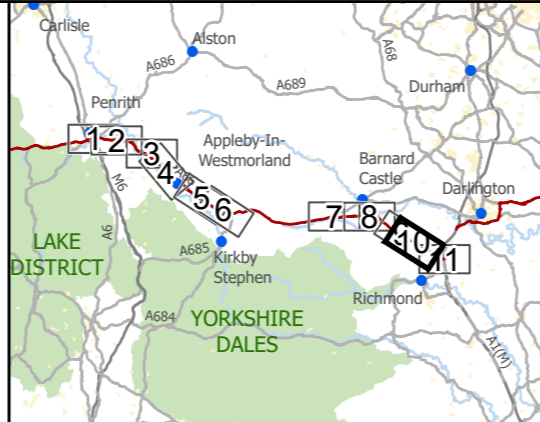
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 13 of 15			
Stephen Bank to Carkin Moor			
Scheme Centrelines			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD - 011042	P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)

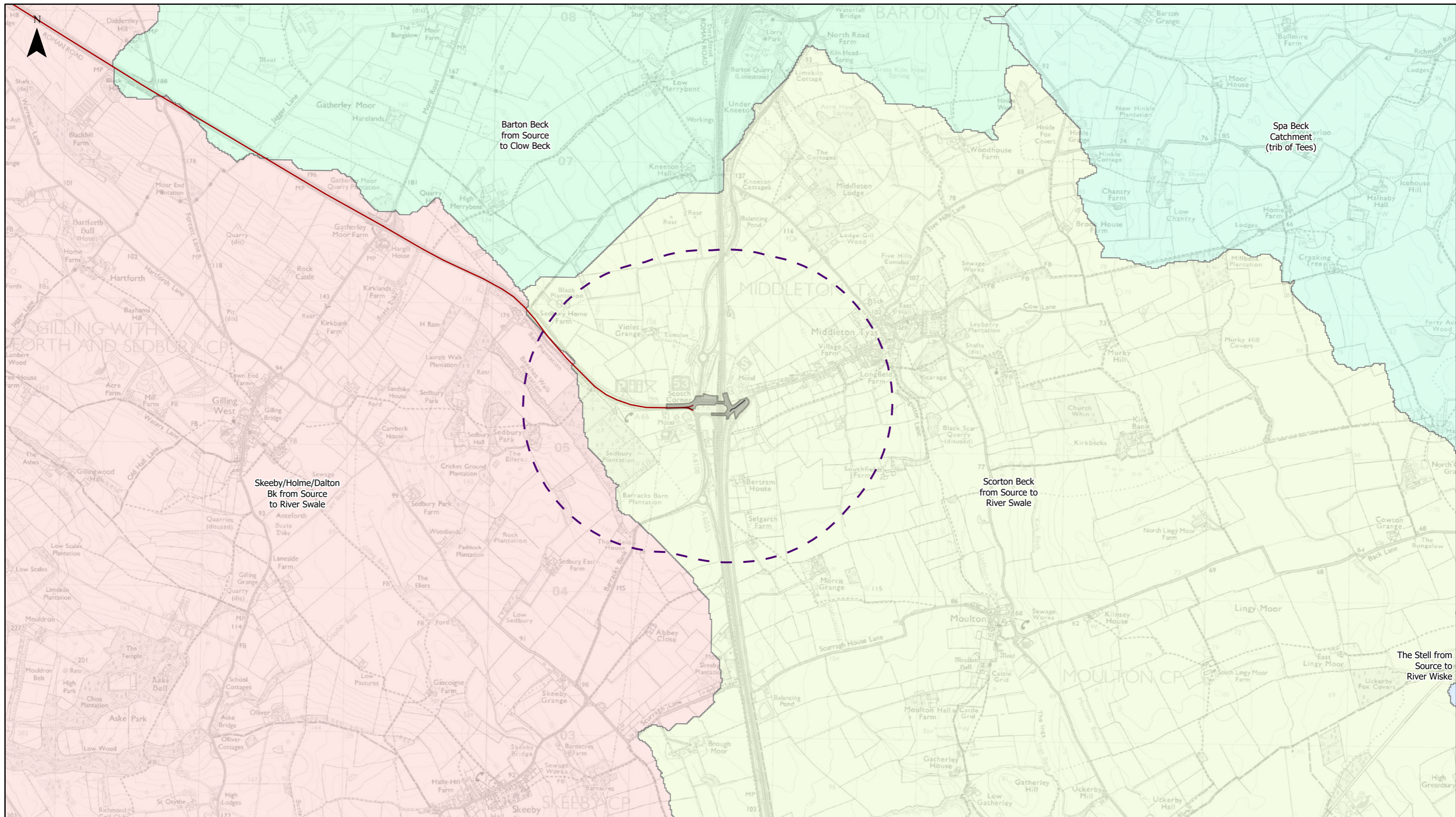


P01	First Issue				
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	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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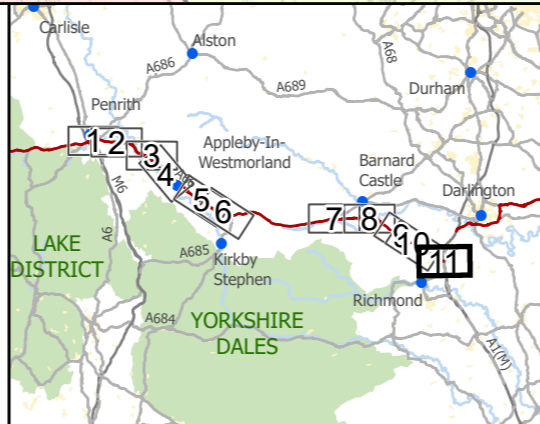
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 14.3</b>			
WFD Surface Water Bodies			
Sheet 14 of 15			
Stephen Bank to Carkin Moor			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
		MP - LD	011043
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centrelines
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

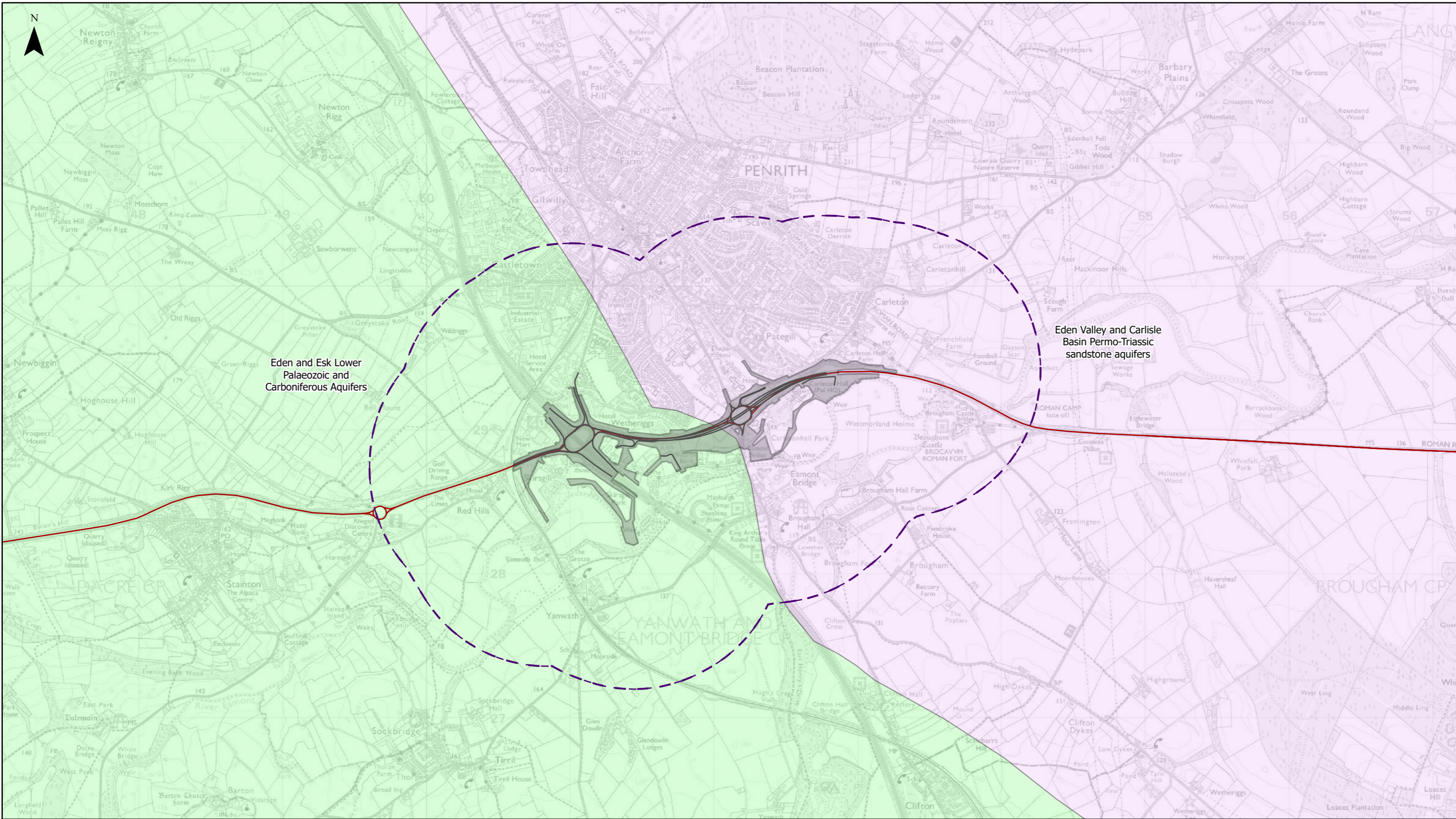
- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
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  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Surface Water Bodies**
- Main Rivers
  - River Eden Special Area of Conservation
  - WFD River Waterbody Catchment (multiple colours)



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
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Revision	Created	Checked	Reviewed	Approved	Authorised

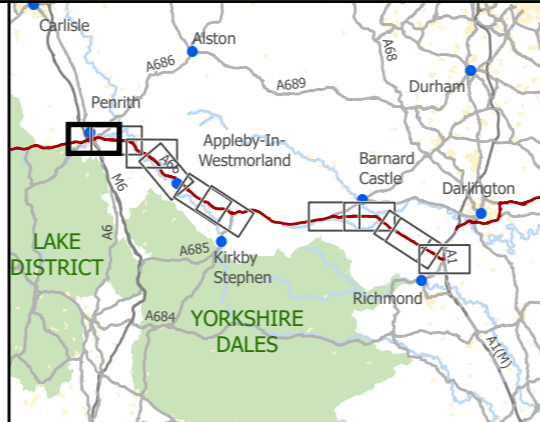
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.3			
WFD Surface Water Bodies			
Sheet 15 of 15			
A1(M) Junction 53 Scotch Corner			
Scheme Centrelines			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Location		Type	Role
S00		- MP	- LD - 011044
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



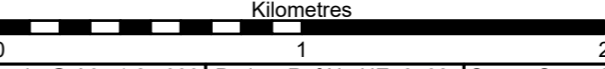
- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
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  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



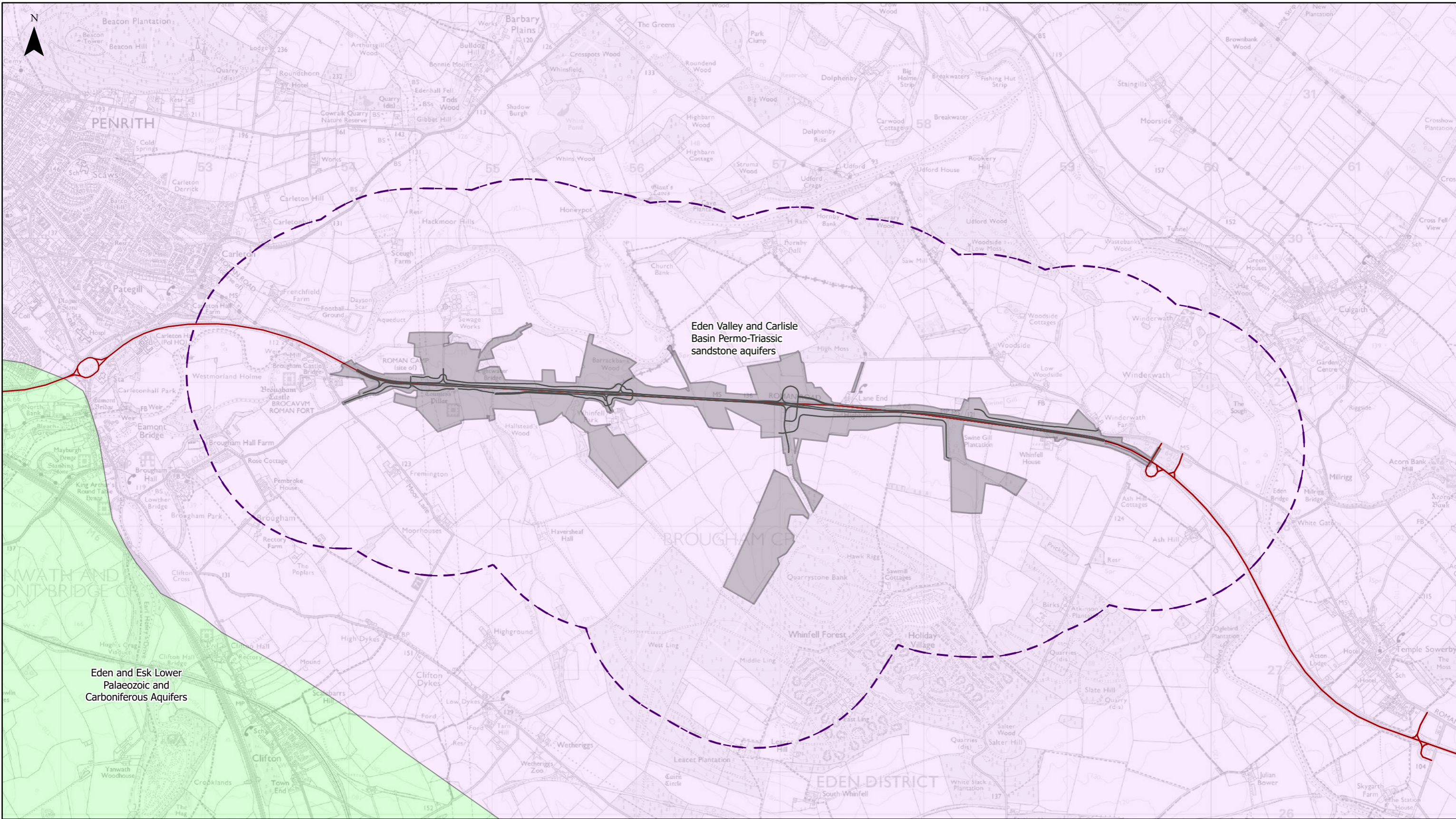



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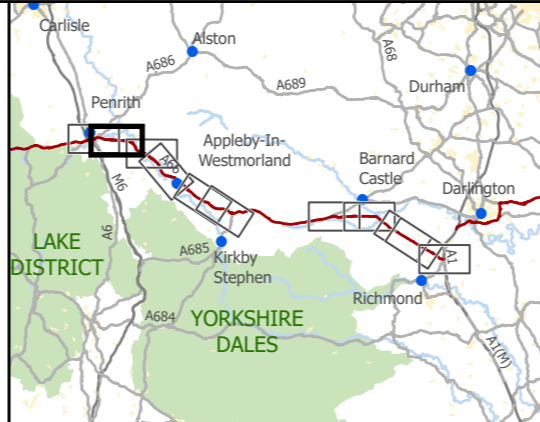
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 14.4</b>			
WFD Groundwater Bodies			
Sheet 1 of 15			
M6 Junction 40 to Kemplay Bank			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
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Suitability	Suitability Description		Revision
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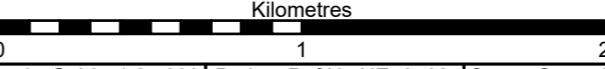
- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



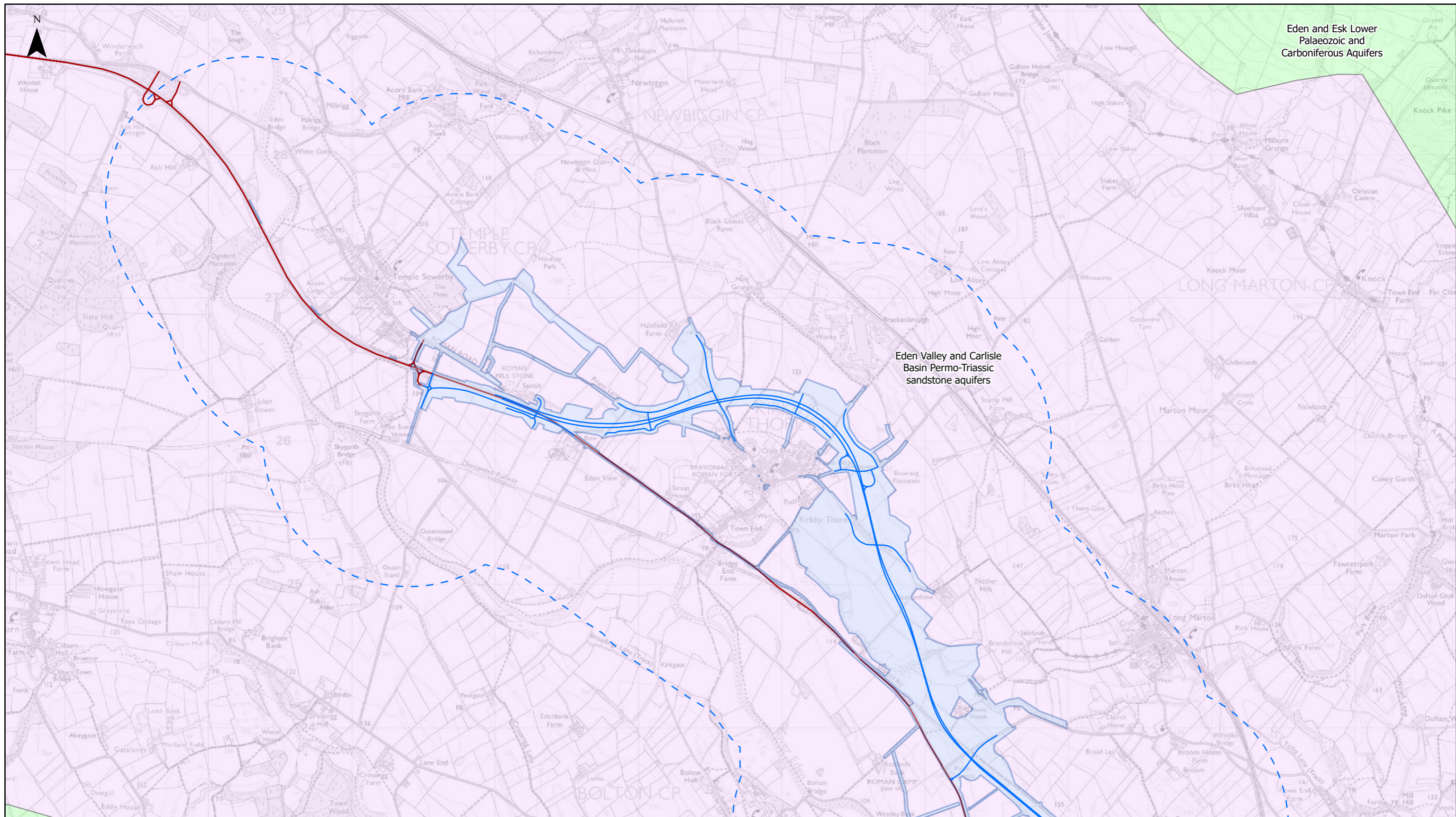
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Revision	Created	Checked	Reviewed	Approved	Authorised



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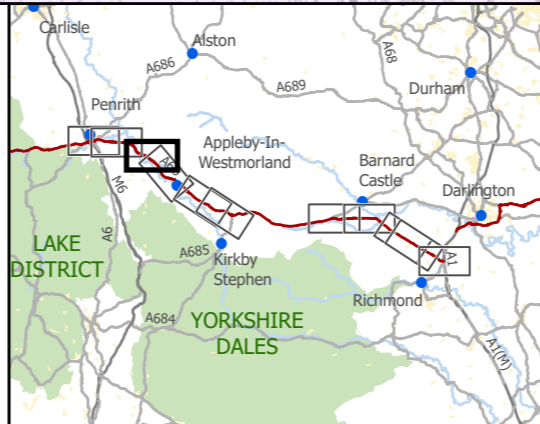
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 2 of 15			
Penrith to Temple Sowerby			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01







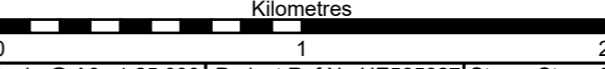
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- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



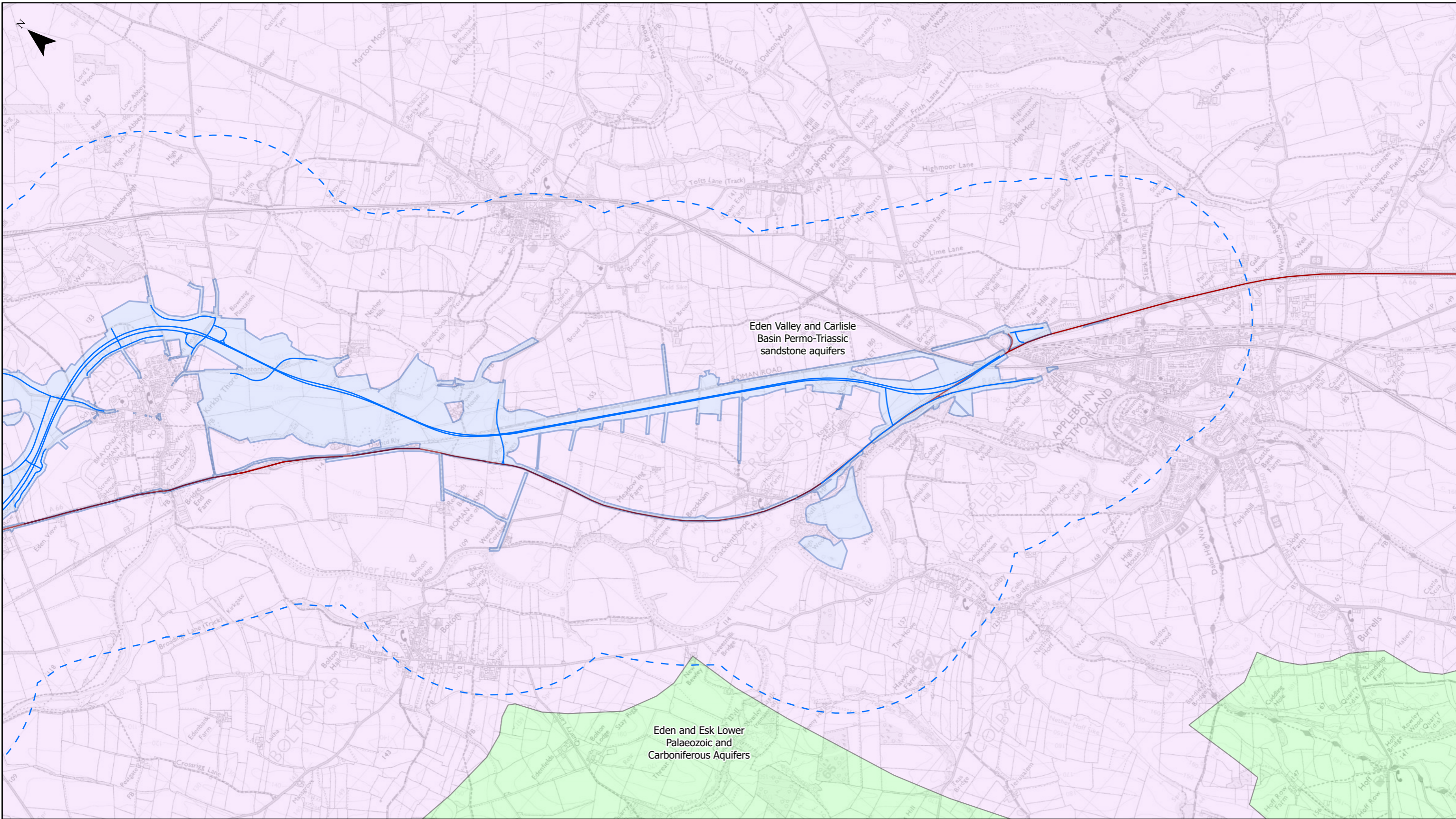



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Revision	Created	Checked	Reviewed	Approved	Authorised



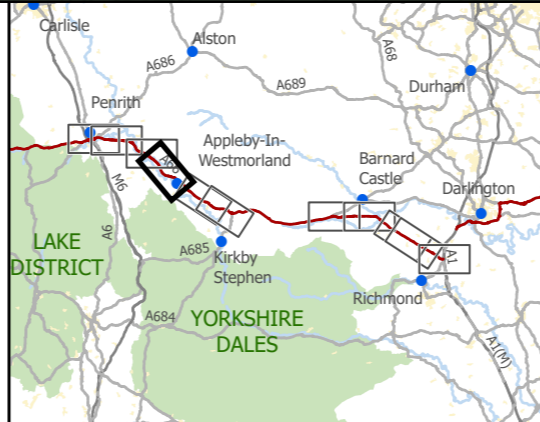
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 3 of 15			
Temple Sowerby to Appleby			
Blue Alternative			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
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Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



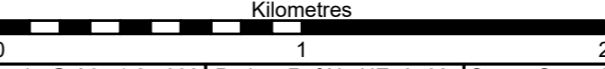
- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
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  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



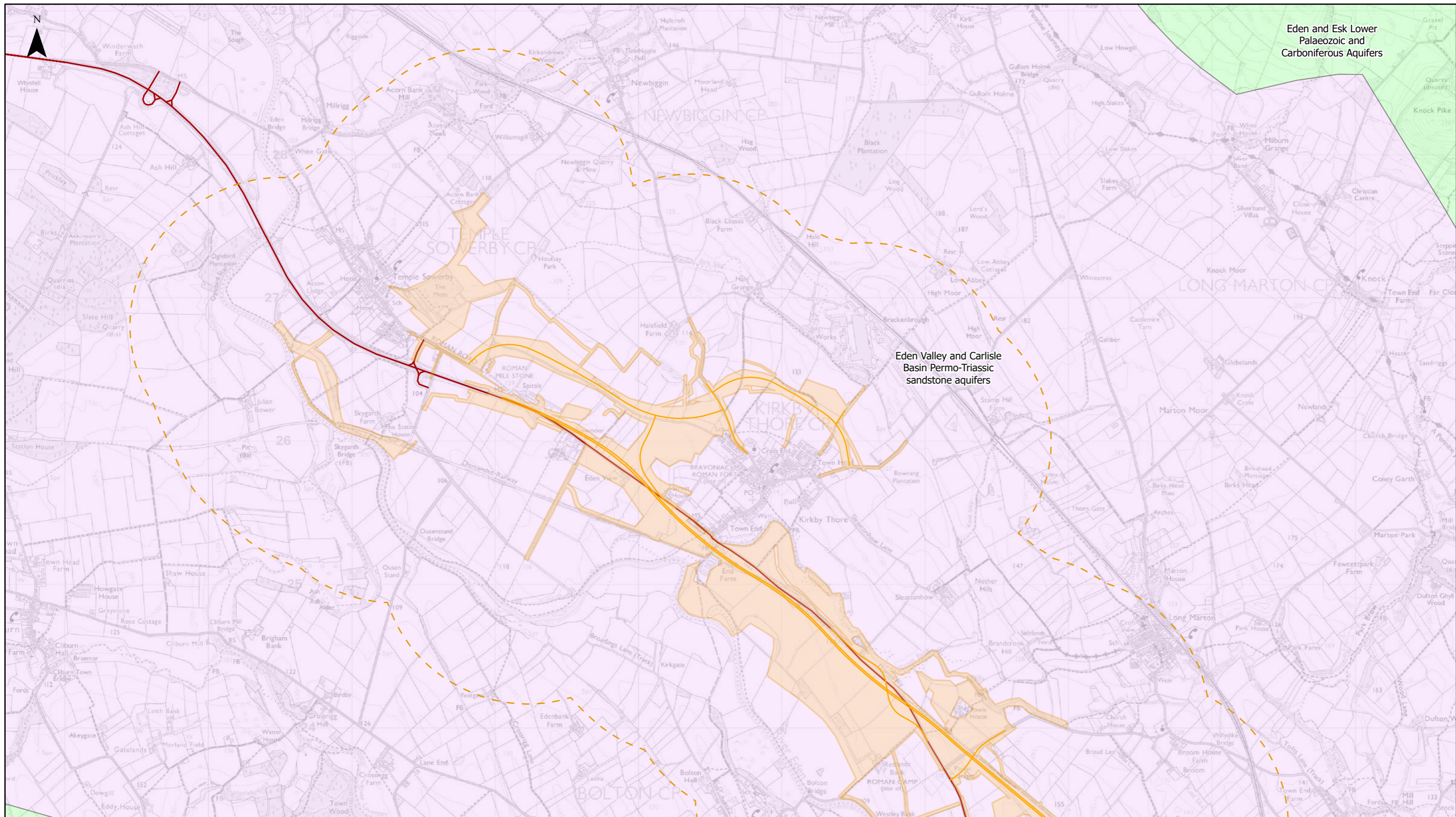



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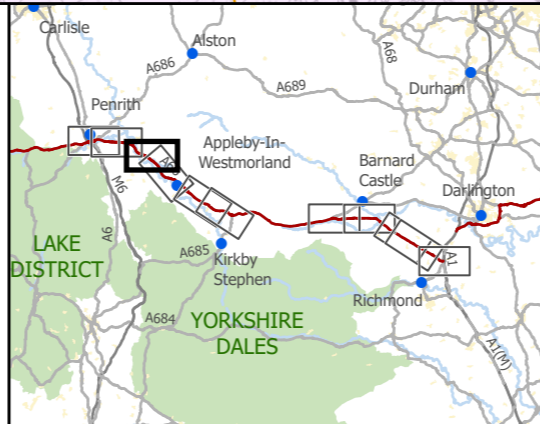
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 4 of 15			
Temple Sowerby to Appleby			
Blue Alternative			
Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP - LD	-
Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

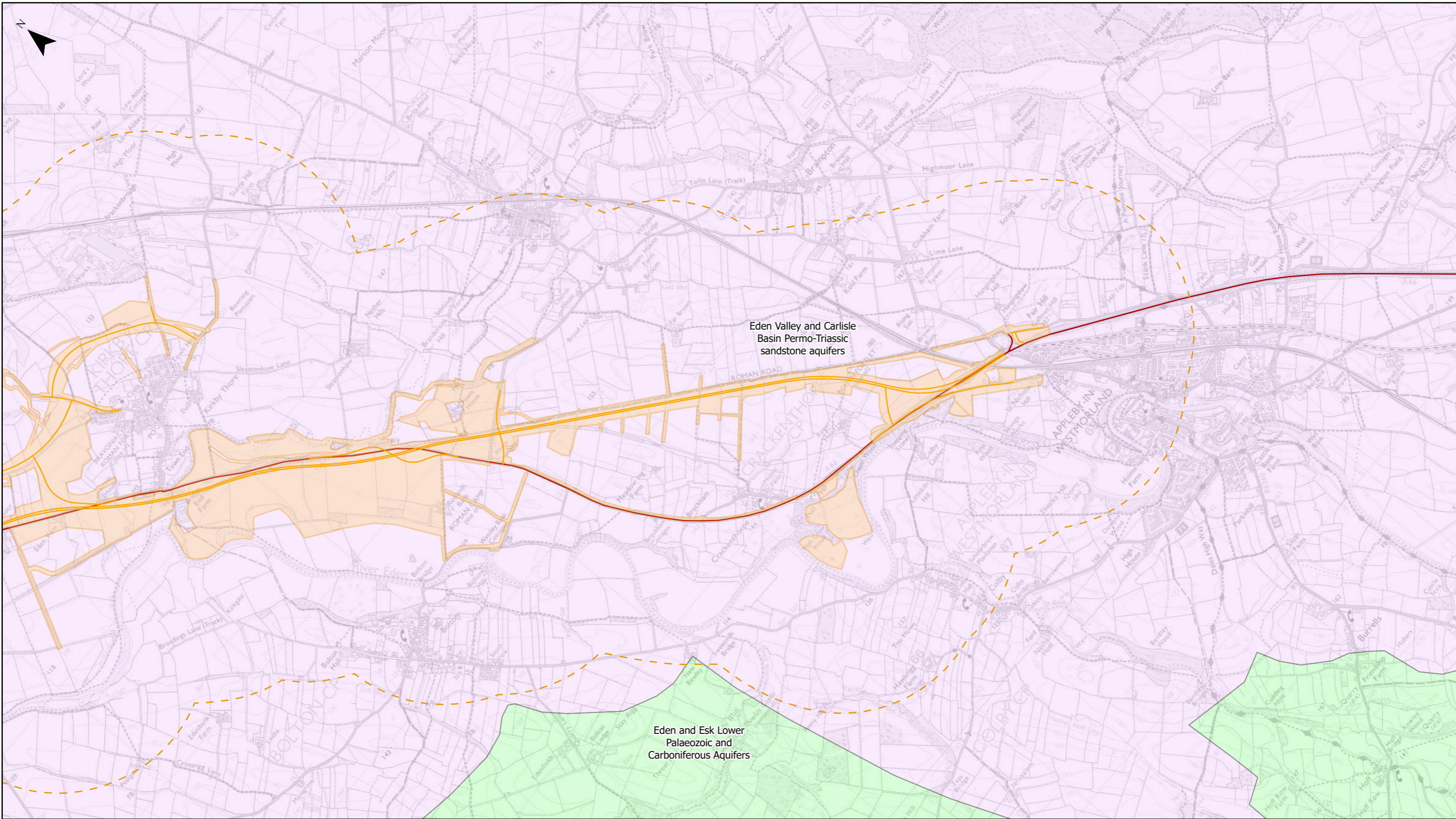
- Proposed Draft DCO Boundary for the Purpose of Consultation**
- █ Scheme
  - █ Black Alternative
  - █ Blue Alternative
  - █ Orange Alternative
  - █ Red Alternative
- WFD Groundwater Bodies**
- █ WFD Groundwater Catchments (multiple colours)



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

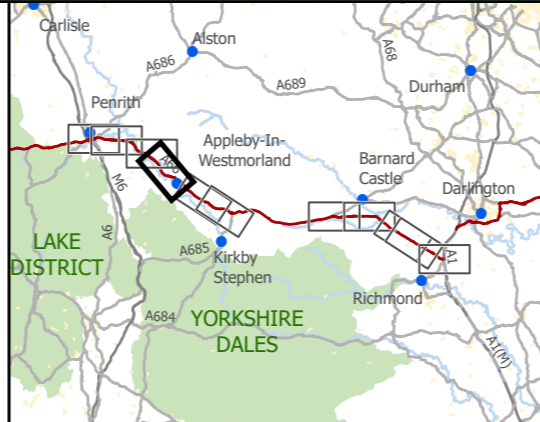
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 5 of 15			
Temple Sowerby to Appleby			
Orange Alternative			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011049
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



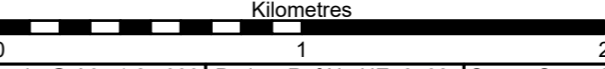
- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



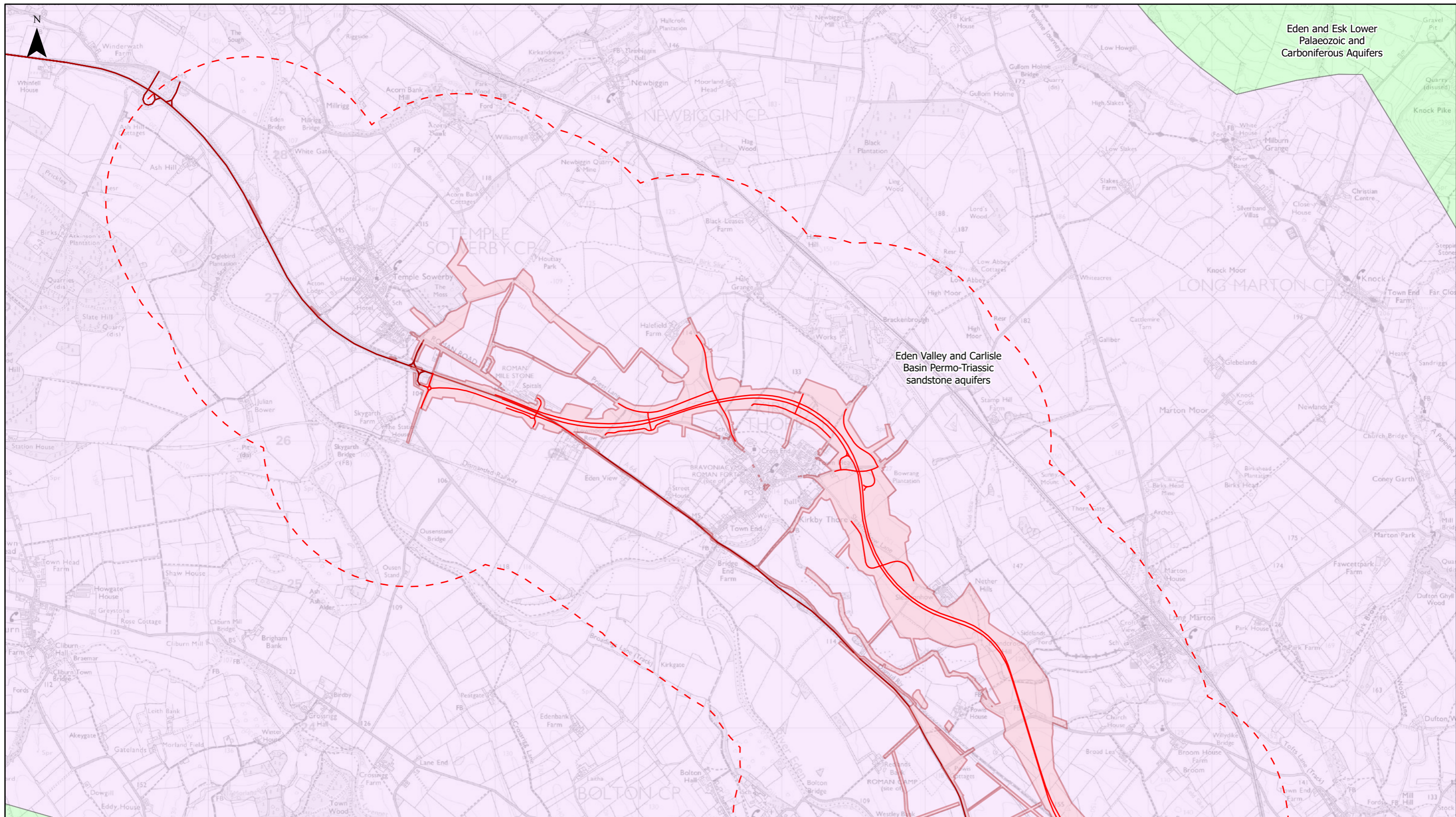



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



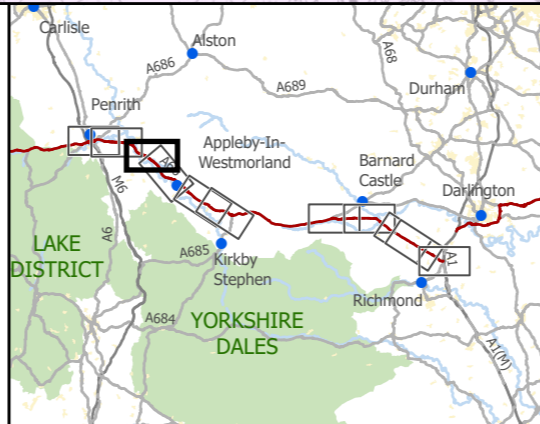
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 6 of 15			
Temple Sowerby to Appleby			
Orange Alternative			
Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP - LD	-
Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)

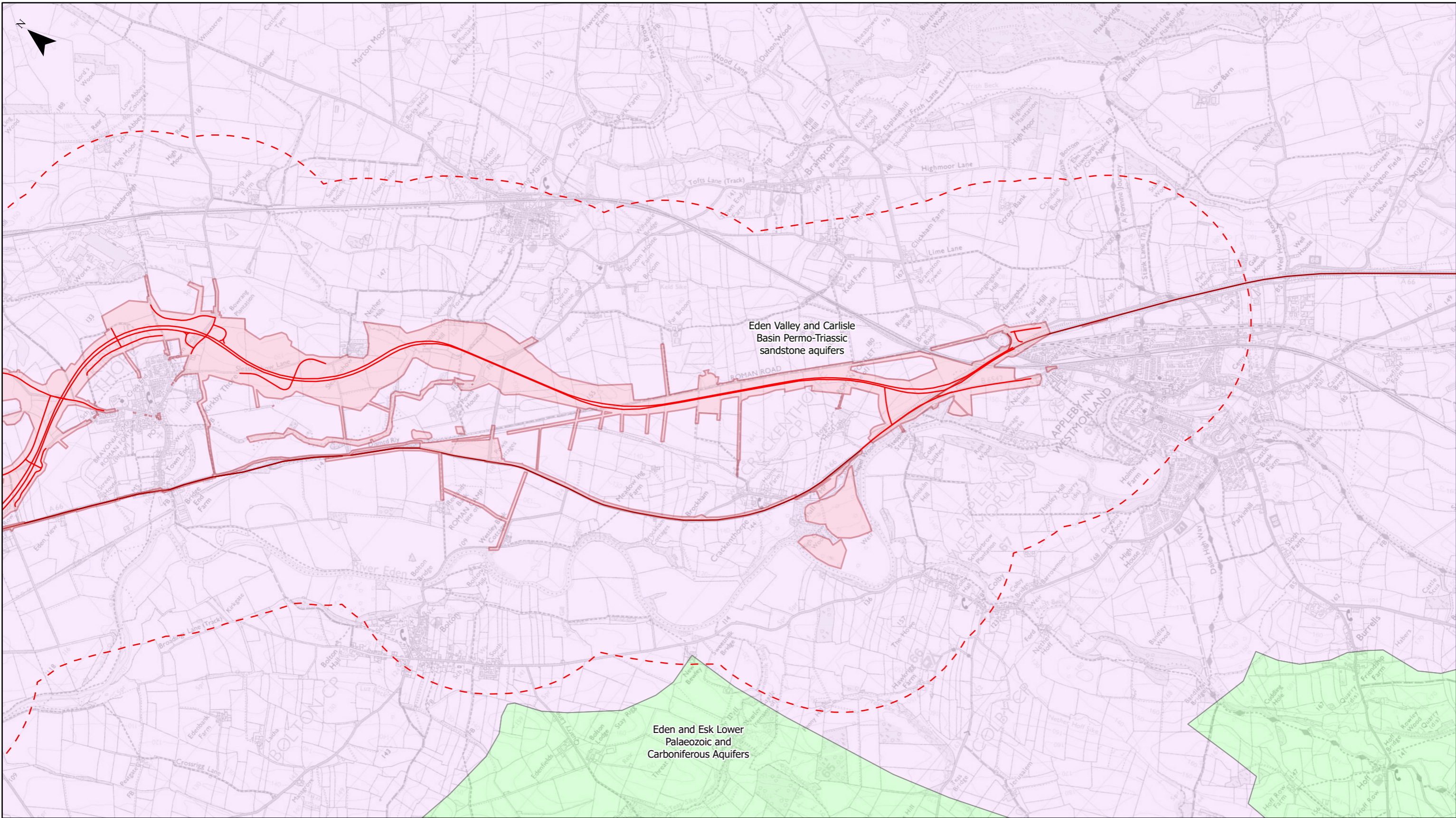


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	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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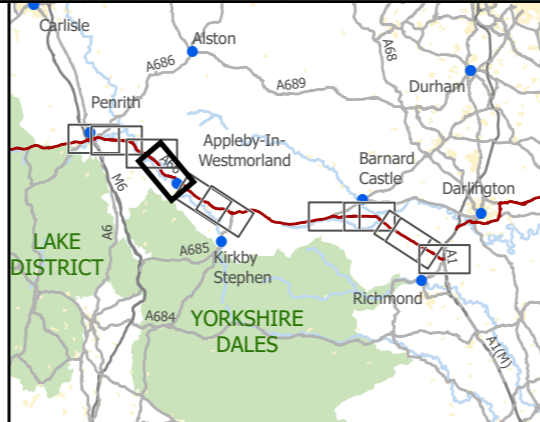
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 7 of 15			
Temple Sowerby to Appleby			
Red Alternative			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Location		Type	Role
S00		- MP	- LD - 011051
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



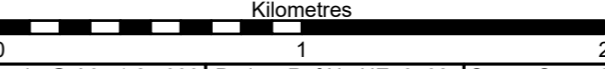
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- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- █ Scheme
  - █ Black Alternative
  - █ Blue Alternative
  - █ Orange Alternative
  - █ Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



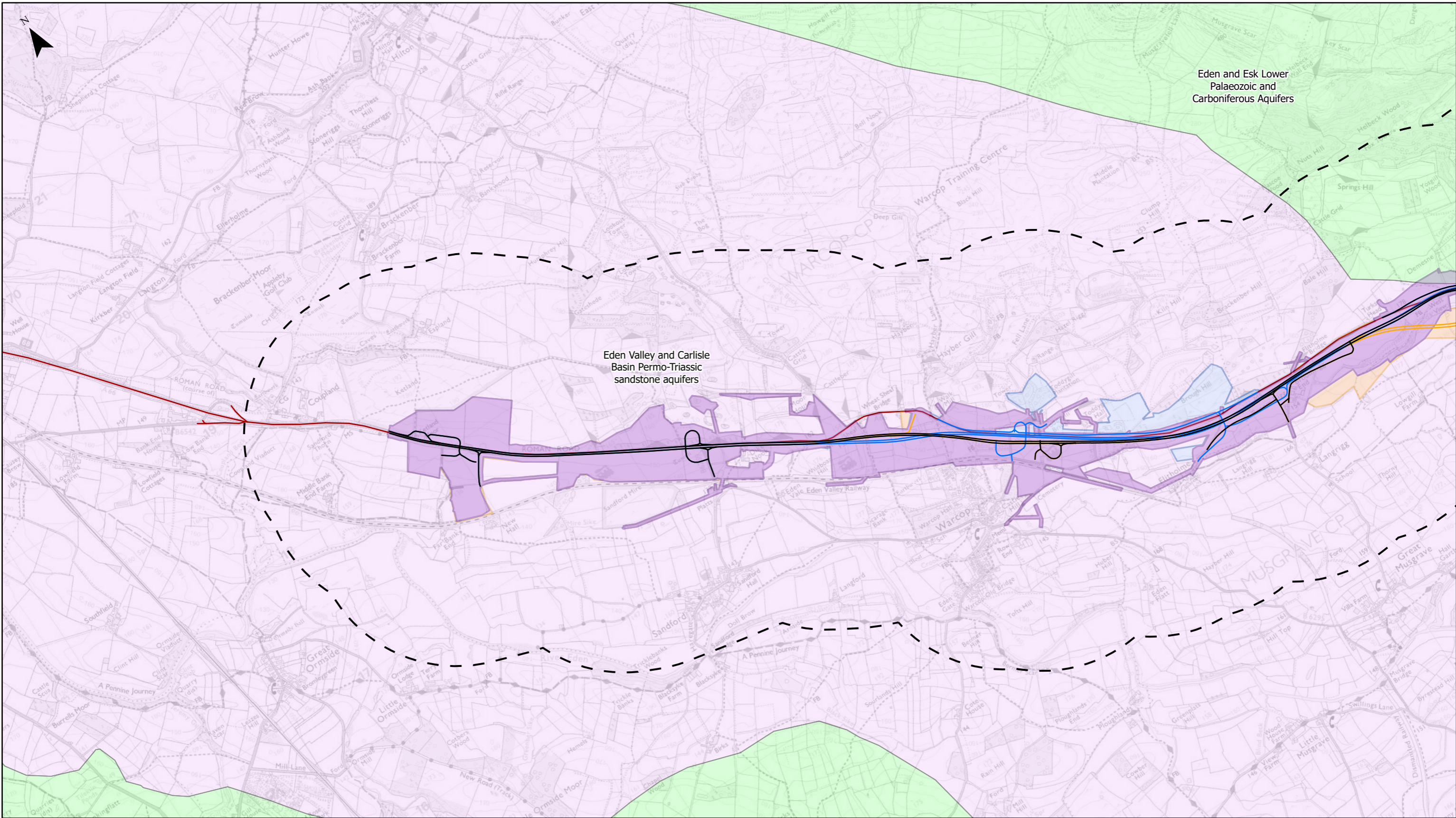



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	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



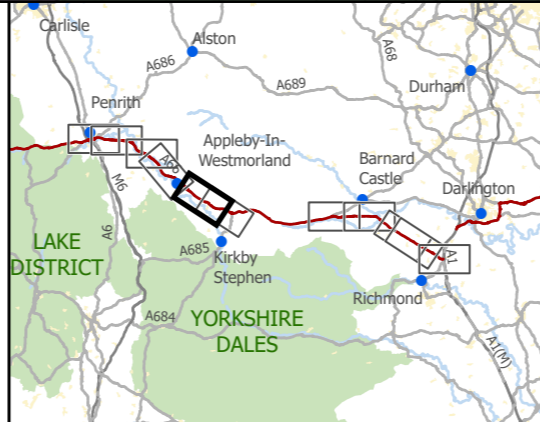
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 8 of 15			
Temple Sowerby to Appleby			
Red Alternative			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00		-	MP - LD - 011052
Location		Type	Role   Number
Suitability	Suitability Description		Revision
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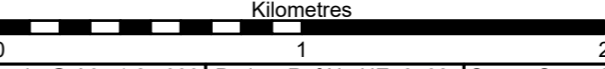
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- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



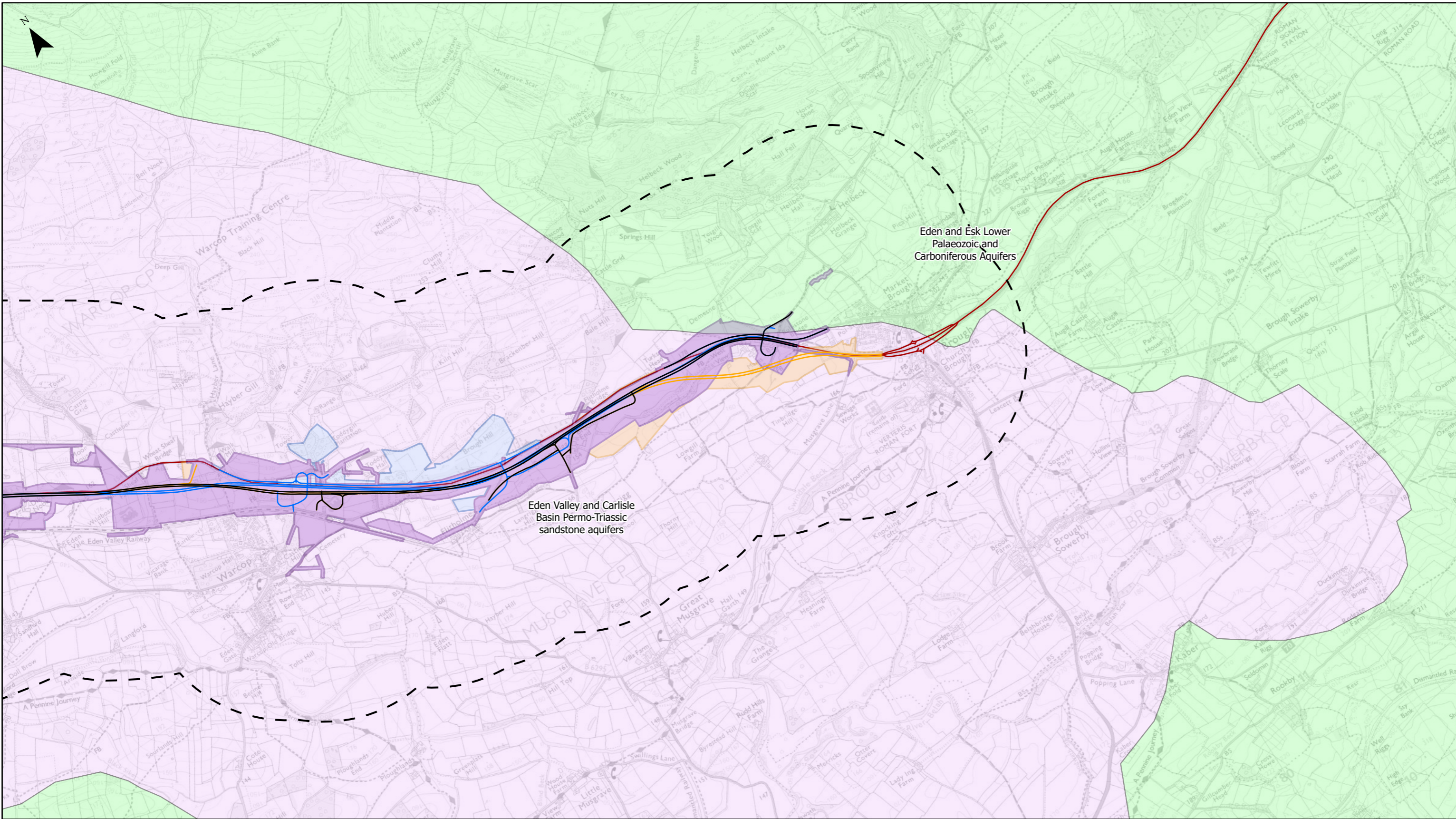



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Revision	Created	Checked	Reviewed	Approved	Authorised



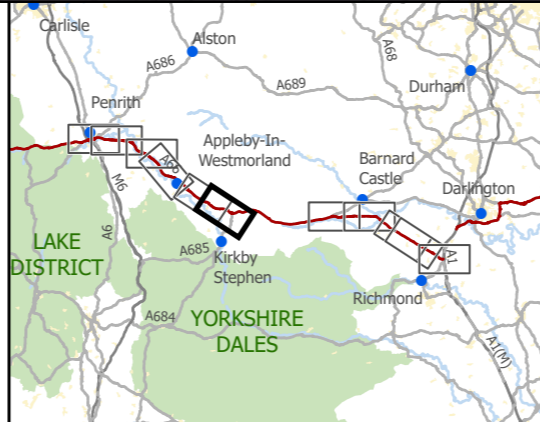
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 9 of 15			
Appleby to Brough			
All Alternatives			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00		MP - LD - 011053	
Location		Type	Role   Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



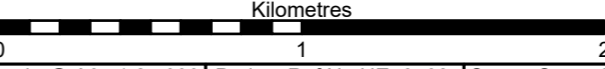
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- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



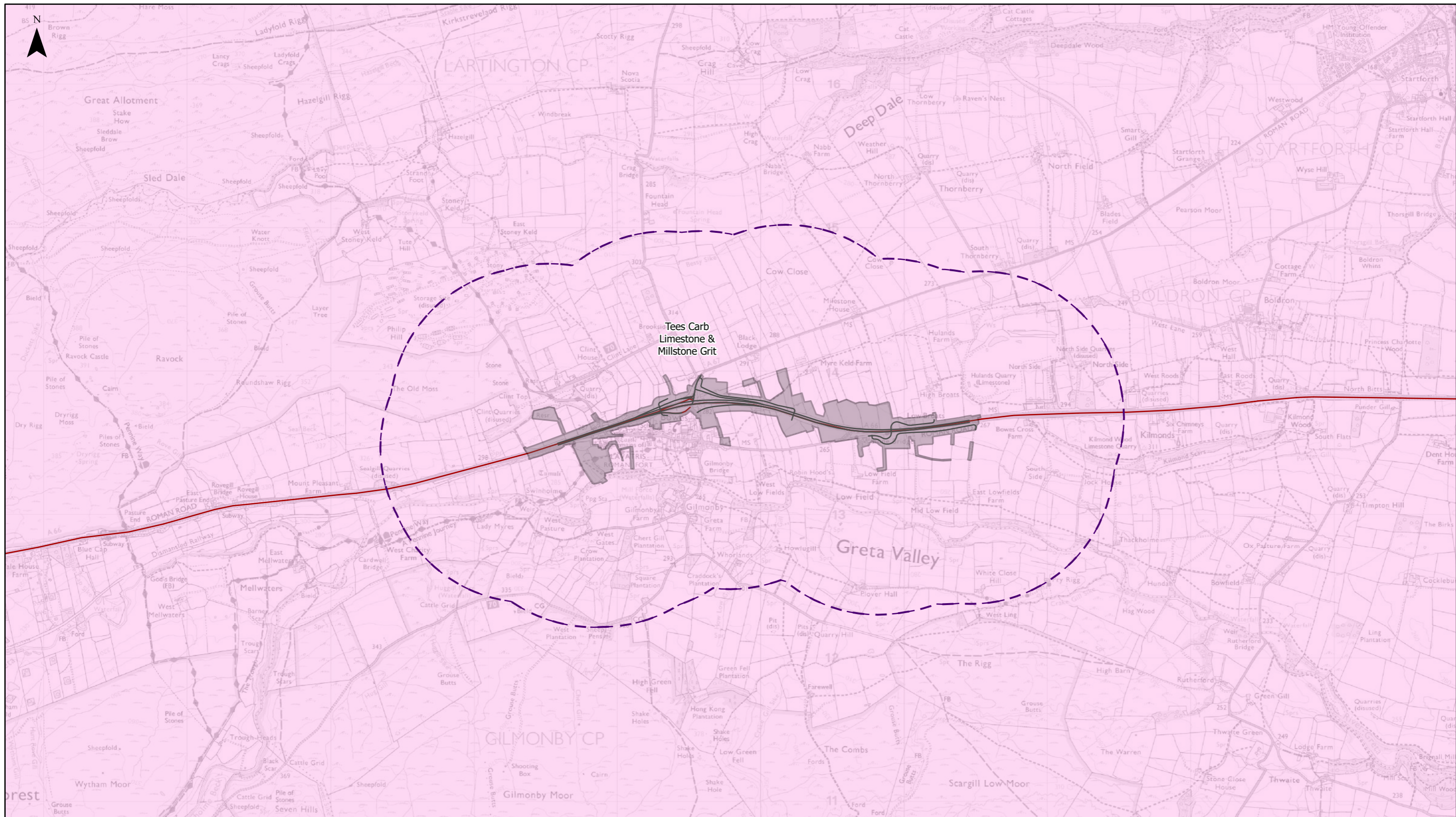
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Revision	Created	Checked	Reviewed	Approved	Authorised



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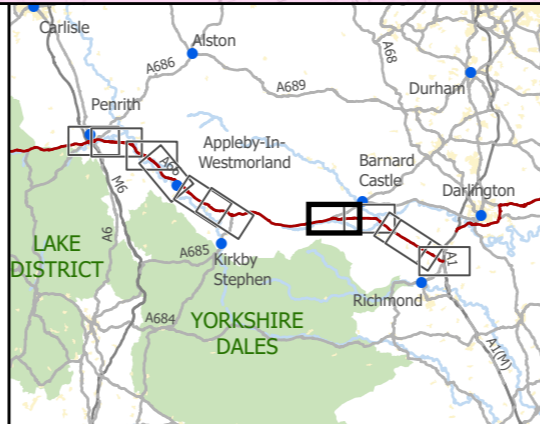
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Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 10 of 15			
Appleby to Brough			
All Alternatives			
Map Number	Project	Originator	Volume
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S00	-	MP - LD	- 011054
Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01







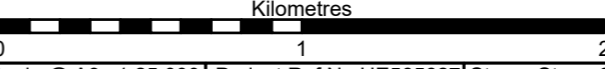
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- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



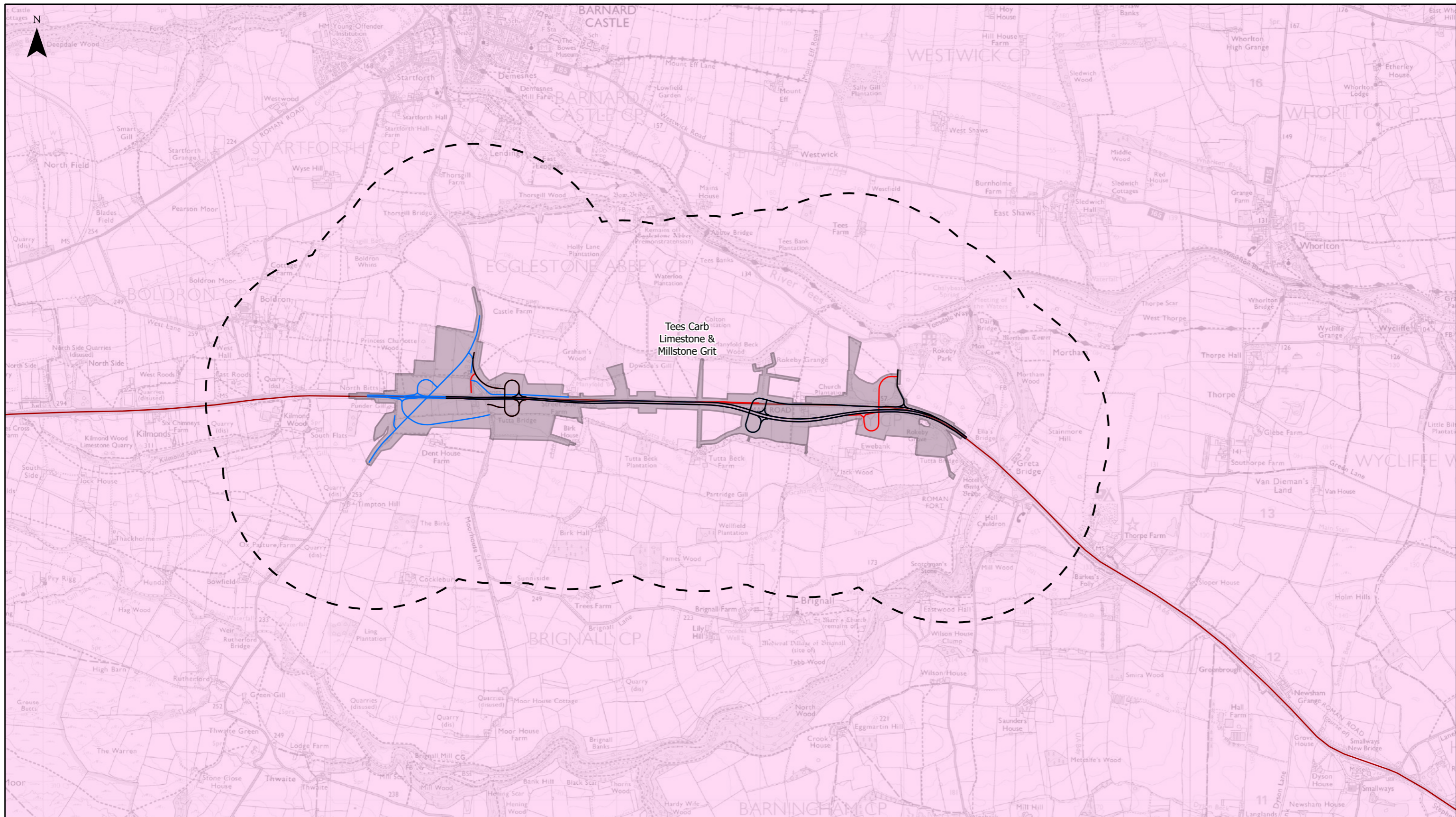



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Revision	Created	Checked	Reviewed	Approved	Authorised



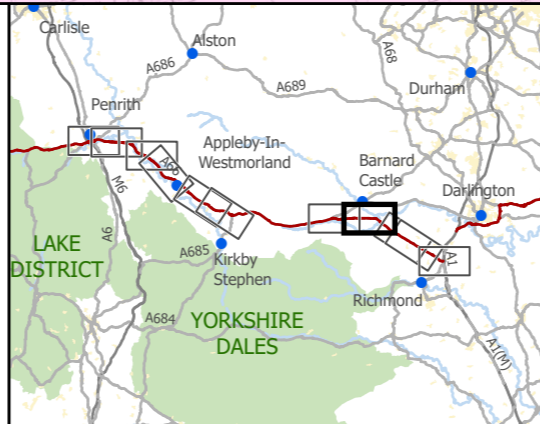
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 11 of 15			
Bowes Bypass			
Scheme Centrelines			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Location		Type	Role
S00		-	MP - LD - 011055
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



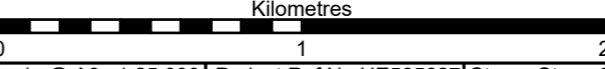
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- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- ⌈ Study Area 1km - Combined Scheme
- ⌈ Draft DCO Boundaries
- ⌈ Study Area 1km - Black Alternative
- ⌈ Study Area 1km - Blue Alternative
- ⌈ Study Area 1km - Orange Alternative
- ⌈ Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- █ Scheme
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  - █ Blue Alternative
  - █ Orange Alternative
  - █ Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



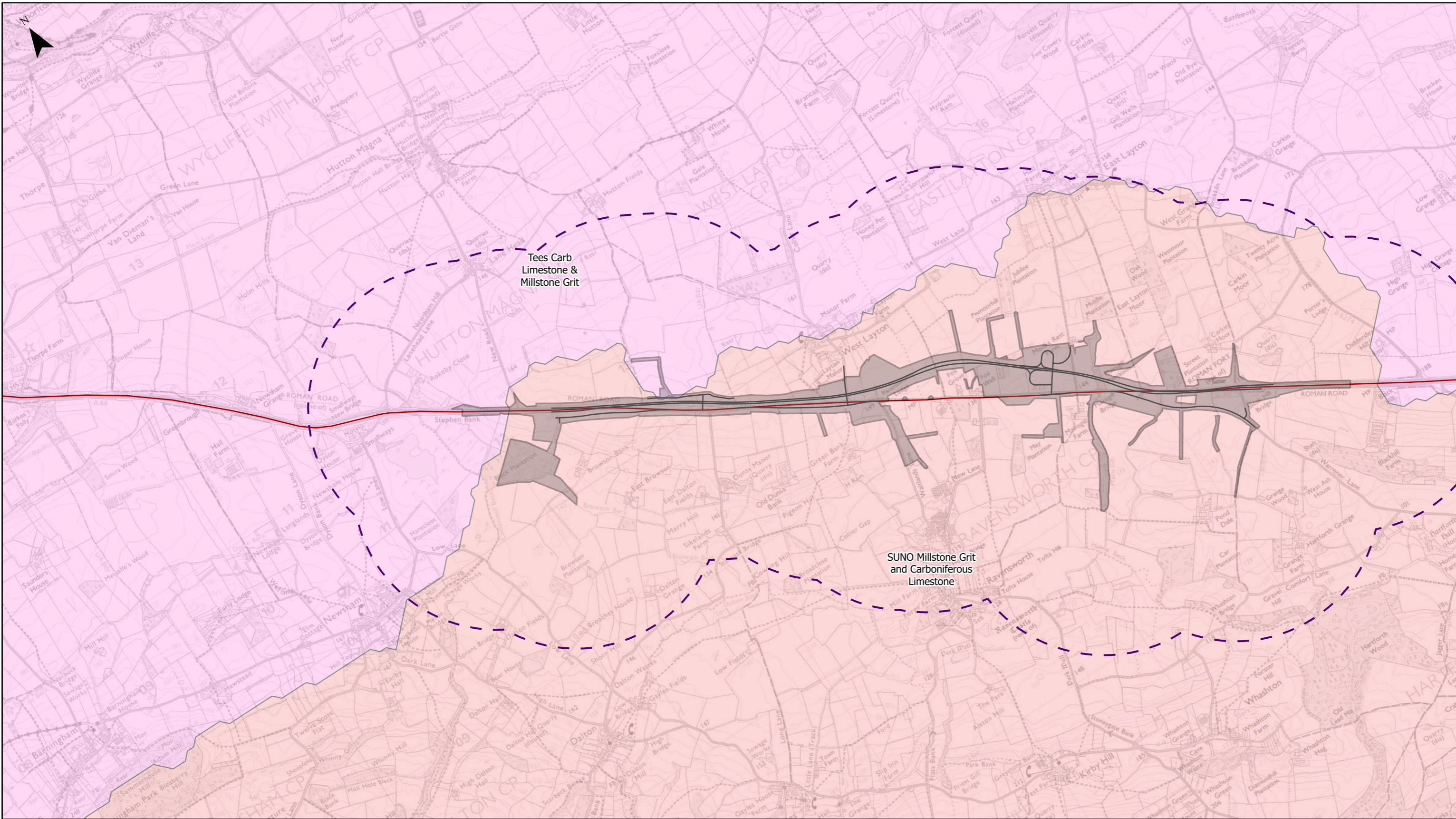



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Revision	Created	Checked	Reviewed	Approved	Authorised



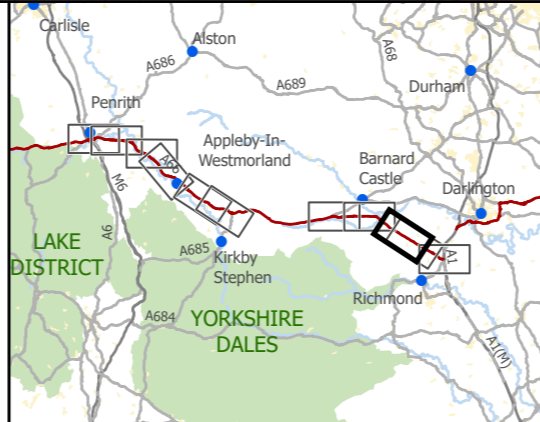
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 12 of 15			
Cross Lanes to Rokeby			
All Alternatives			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Location		Type	Role
S00		- MP	- LD - 011056
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



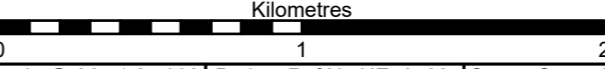
- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



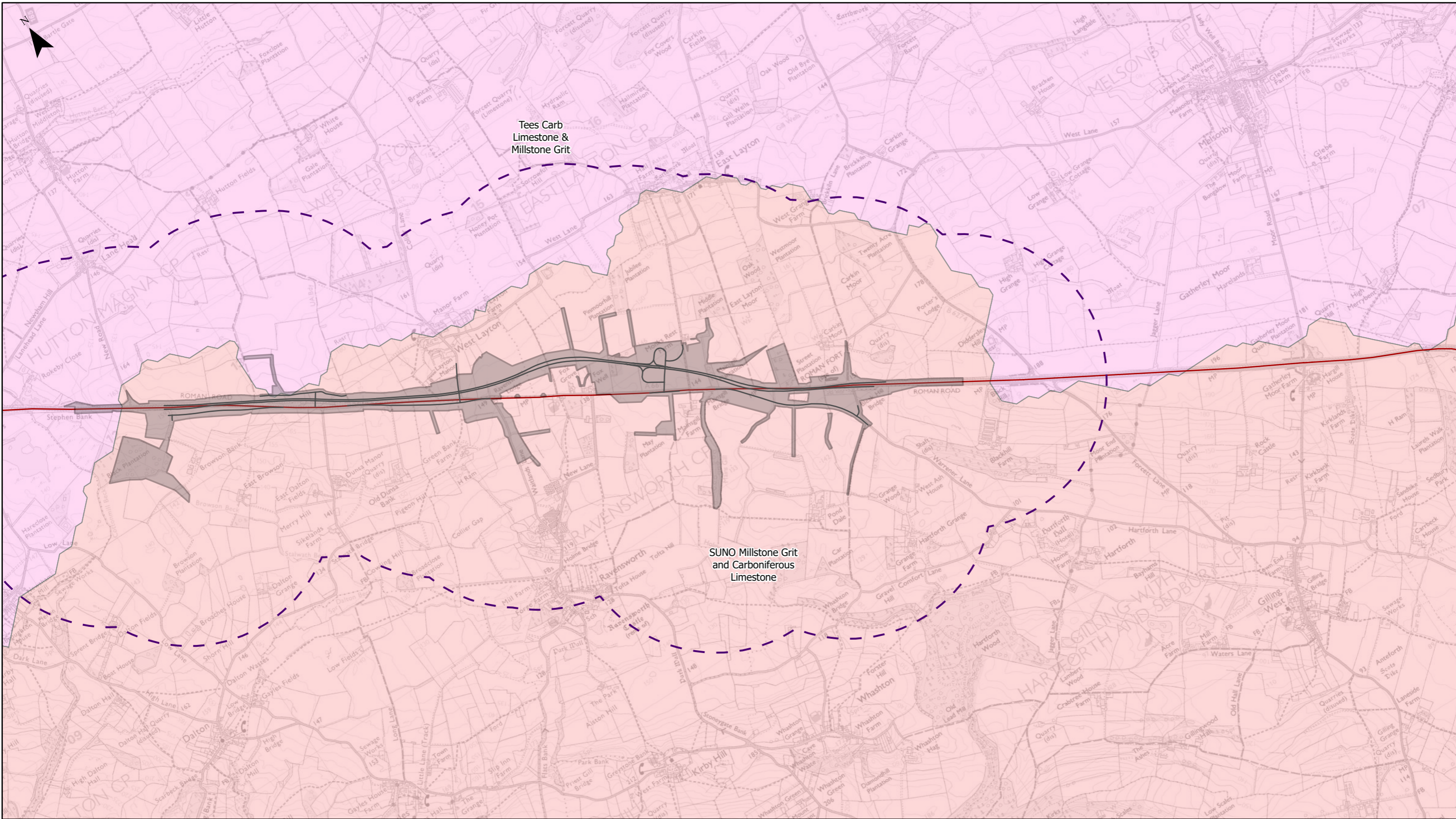



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	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



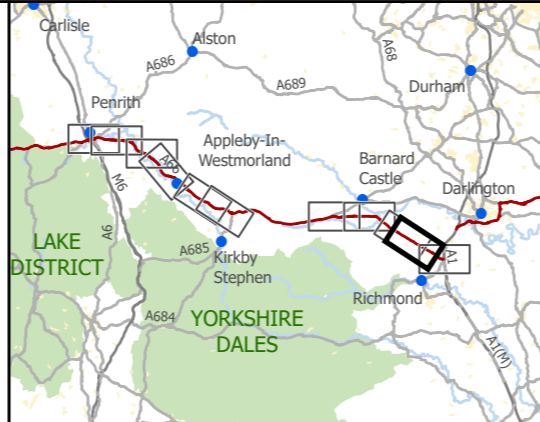
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 13 of 15			
Stephen Bank to Carkin Moor			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00		MP - LD - 011057	
Location		Type	Role
S4		Number	
Suitability		Revision	
S4		FIT FOR STAGE APPROVAL	
		P01	



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

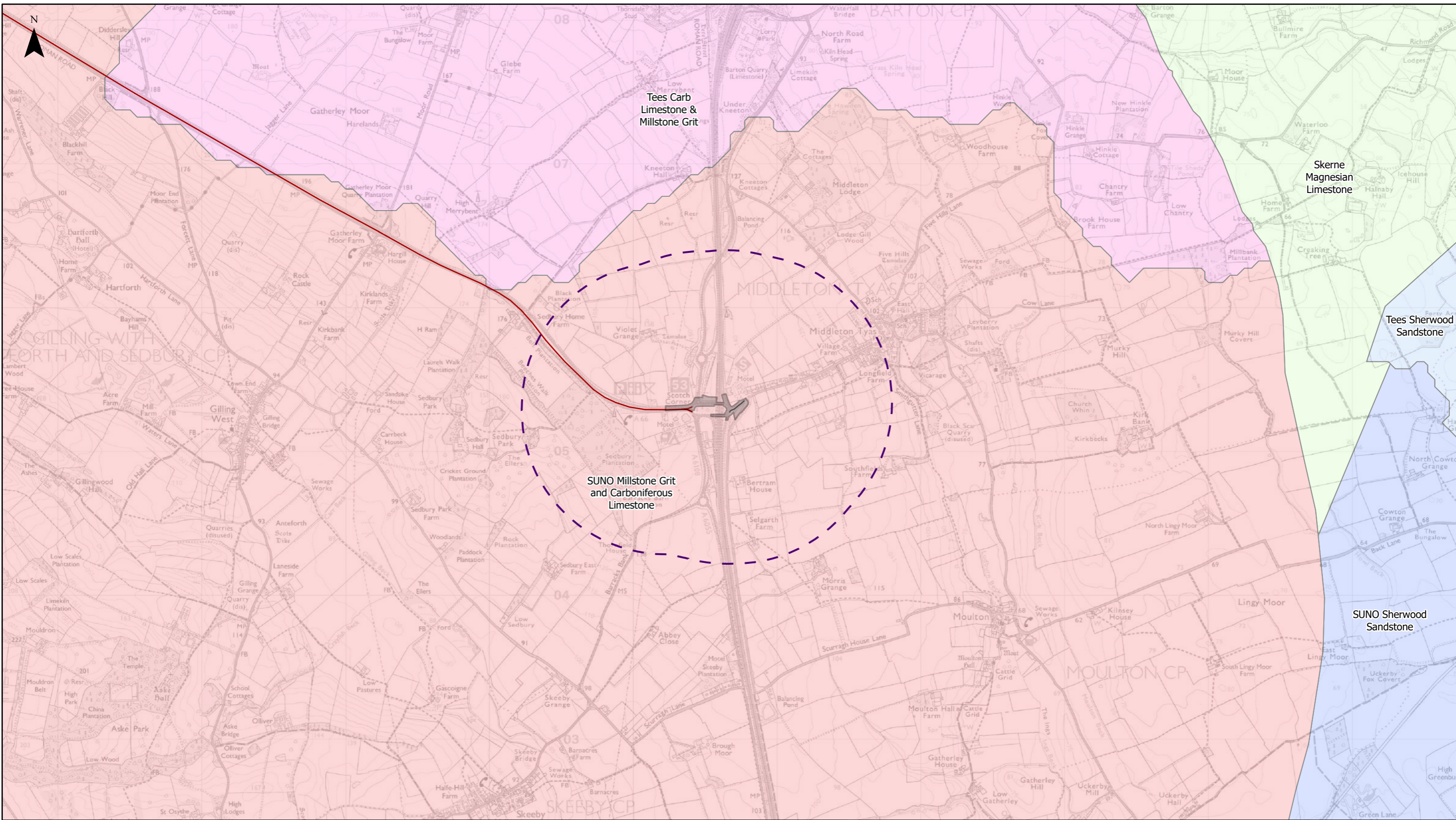
- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
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  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
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Revision	Created	Checked	Reviewed	Approved	Authorised

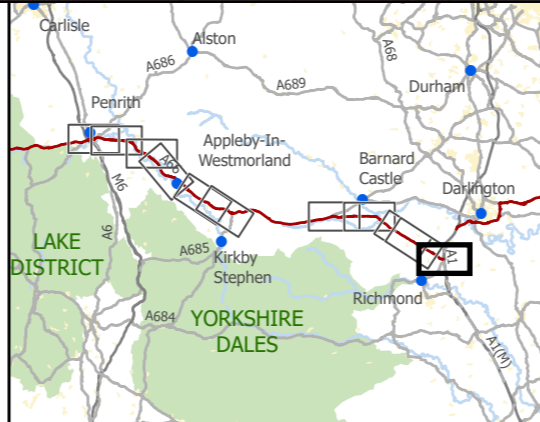
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 14 of 15			
Stephen Bank to Carkin Moor			
Scheme Centreline			
Map Number	Project	Originator	Volume
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S00		-	MP - LD - 011058
Location		Type	Role
S4		FIT FOR STAGE APPROVAL	Number
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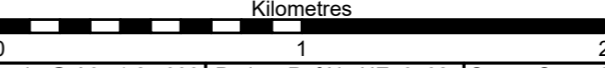
- Scheme Centrelines
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- WFD Groundwater Bodies**
- WFD Groundwater Catchments (multiple colours)



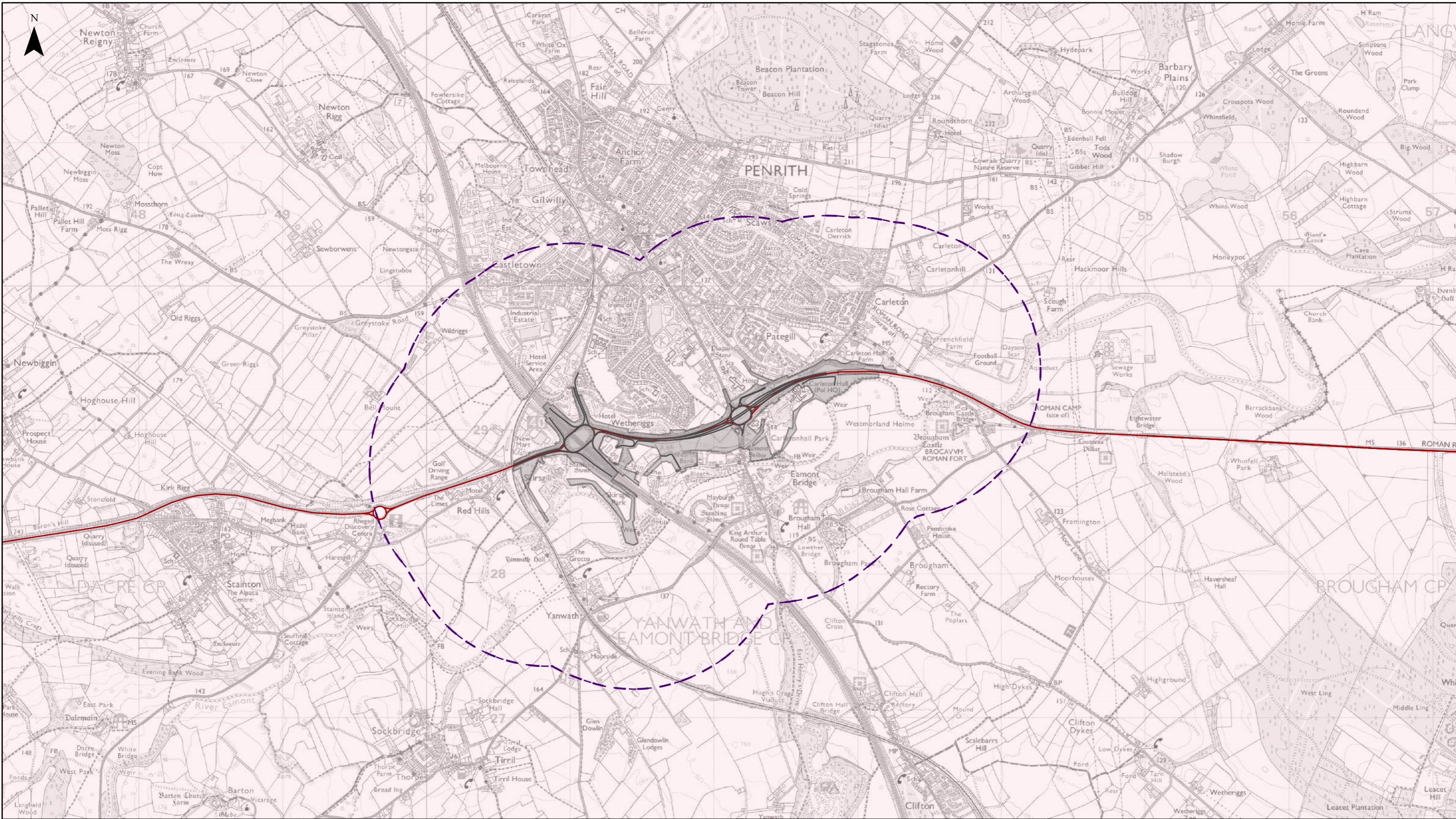



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Revision	Created	Checked	Reviewed	Approved	Authorised



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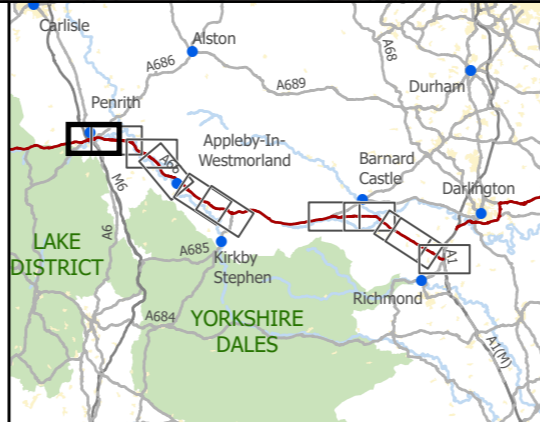
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Map Title Figure 14.4			
WFD Groundwater Bodies			
Sheet 15 of 15			
A1(M) Junction 53 Scotch Corner			
Scheme Centrelines			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Location		Type	Role
S00		MP	LD - 011059
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01





- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

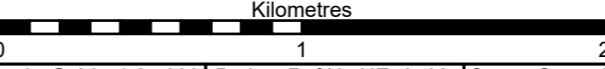
**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



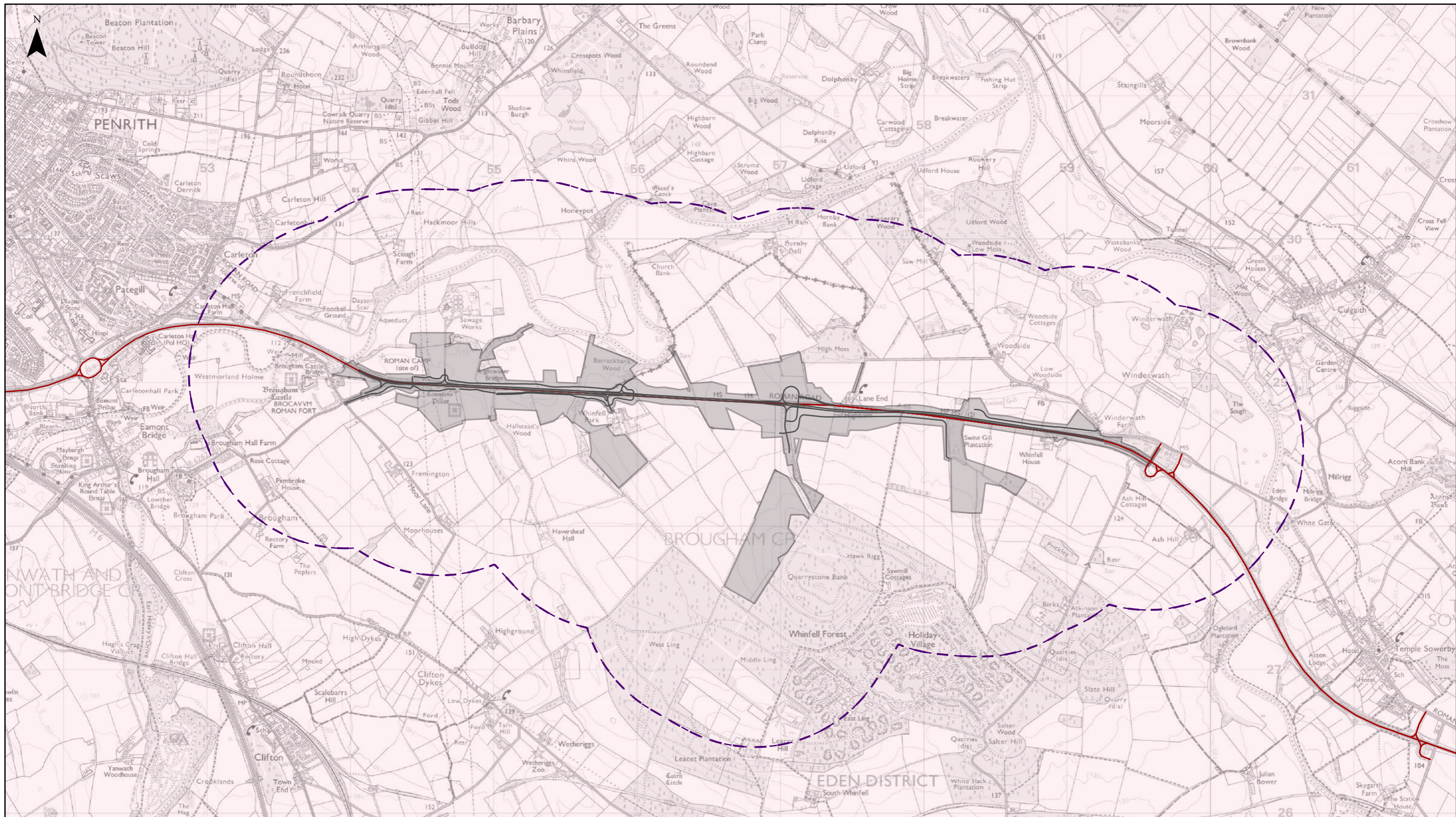



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	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



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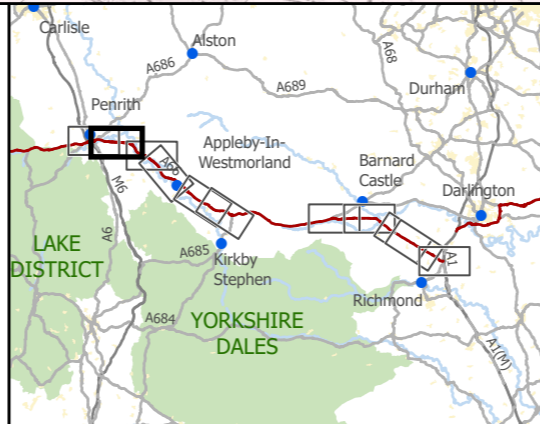
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Map Title <b>Figure 14.5</b>			
Catchment Abstraction Management Strategy Areas			
Sheet 1 of 15			
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Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Location		Type	Role
S00		- MP - LD	- 011060
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

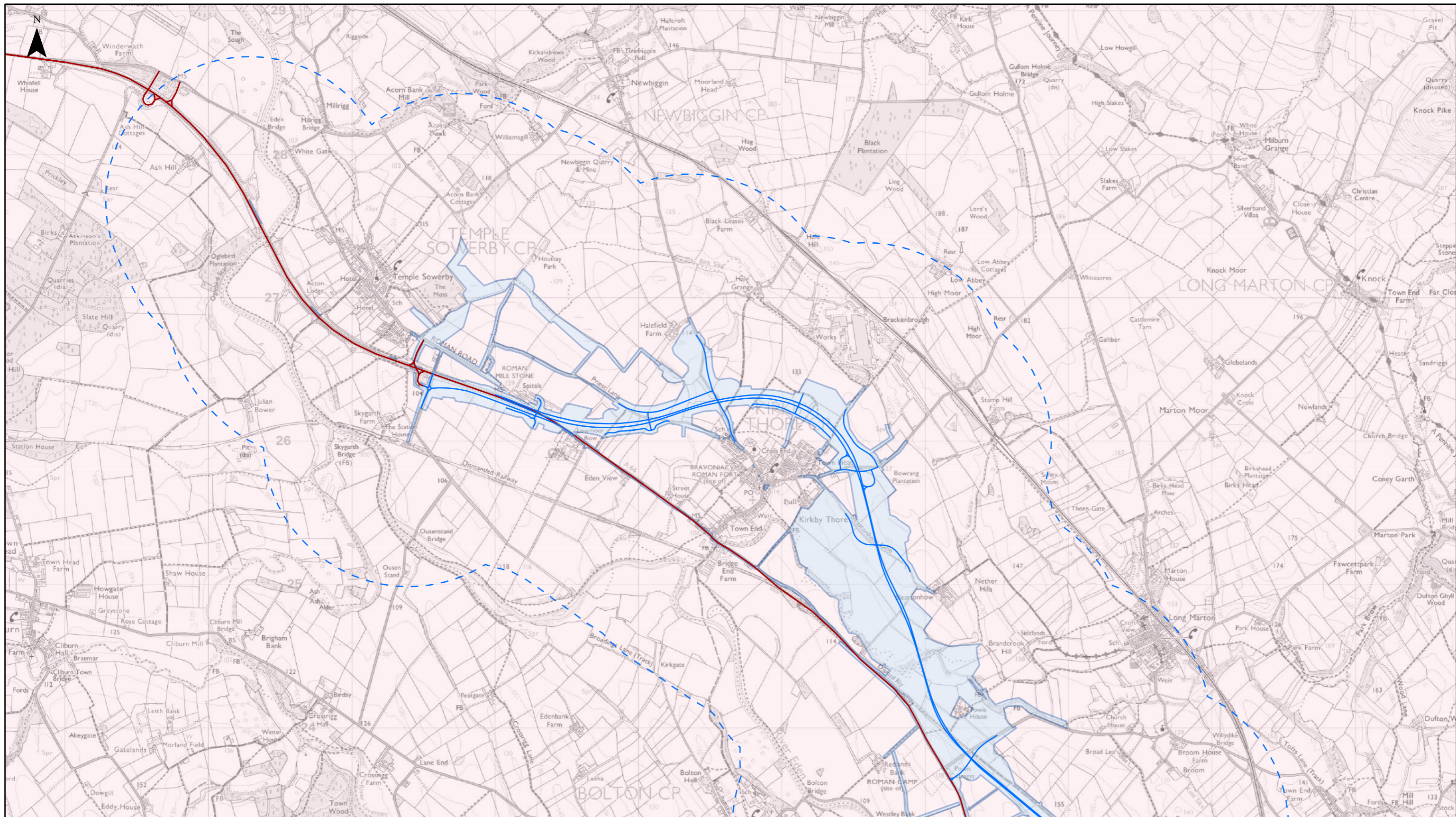
- Scheme
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- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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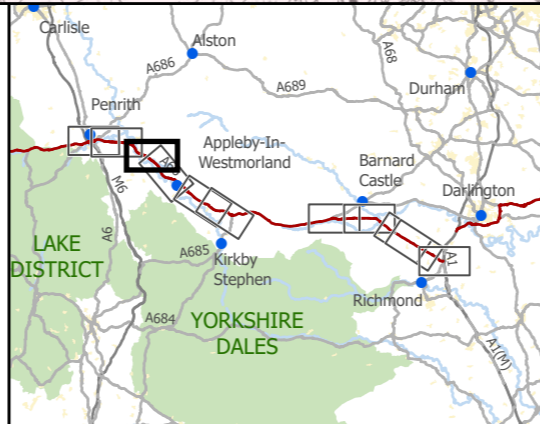
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.5			
Catchment Abstraction Management Strategy Areas			
Sheet 2 of 15			
Penrith to Temple Sowerby			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Scale @ A3: 1:25,000		Location	
S00		MP - LD - 011061	
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01





- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

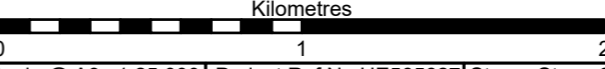
**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

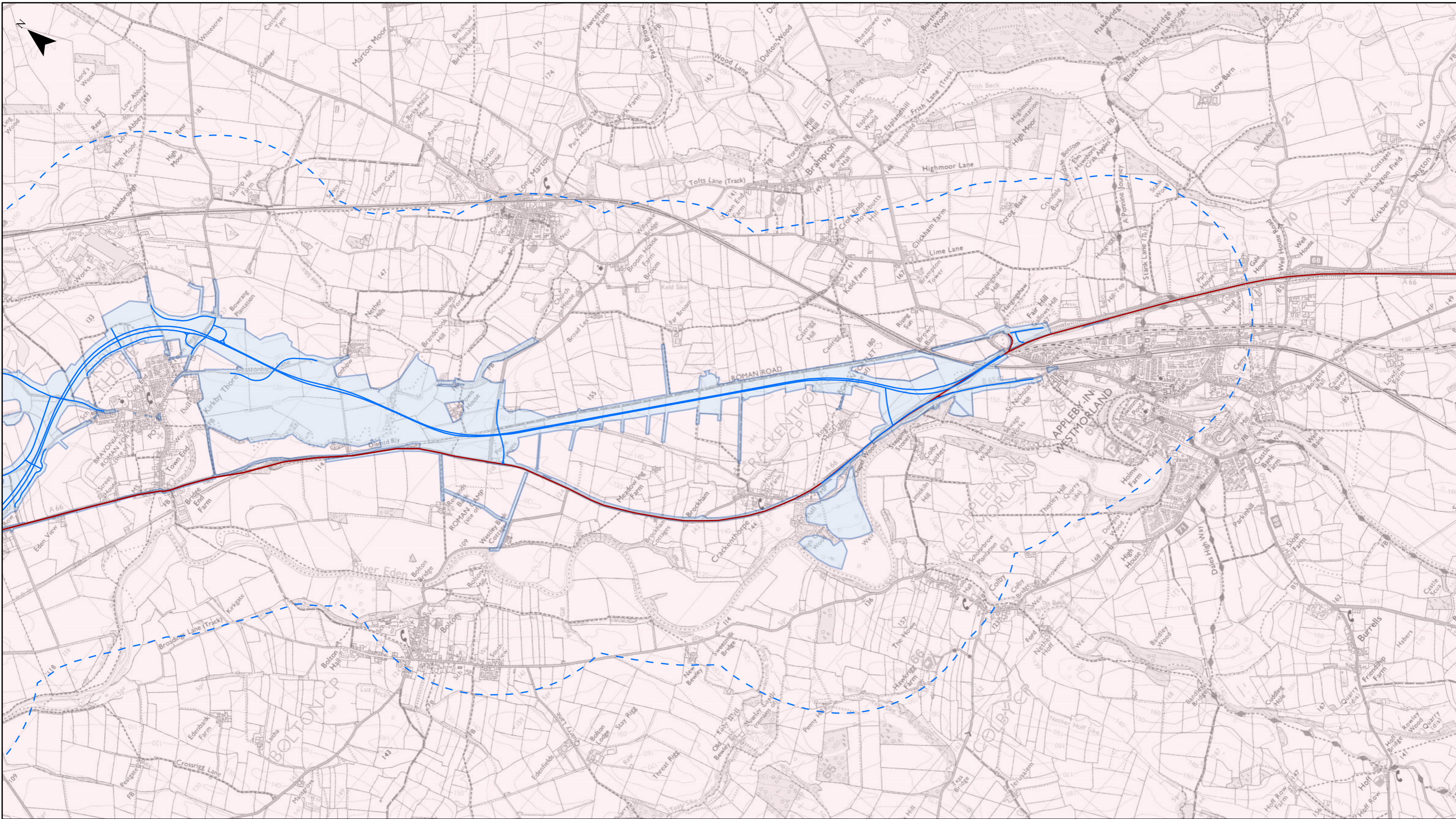


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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.5			
Catchment Abstraction Management Strategy Areas			
Sheet 3 of 15			
Temple Sowerby to Appleby			
Blue Alternative			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011062
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	

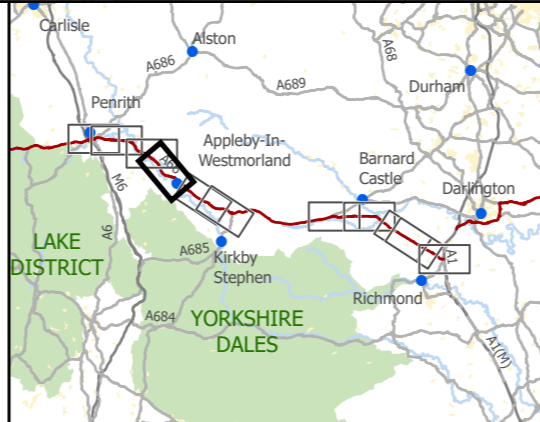






- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

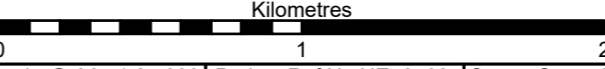
**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



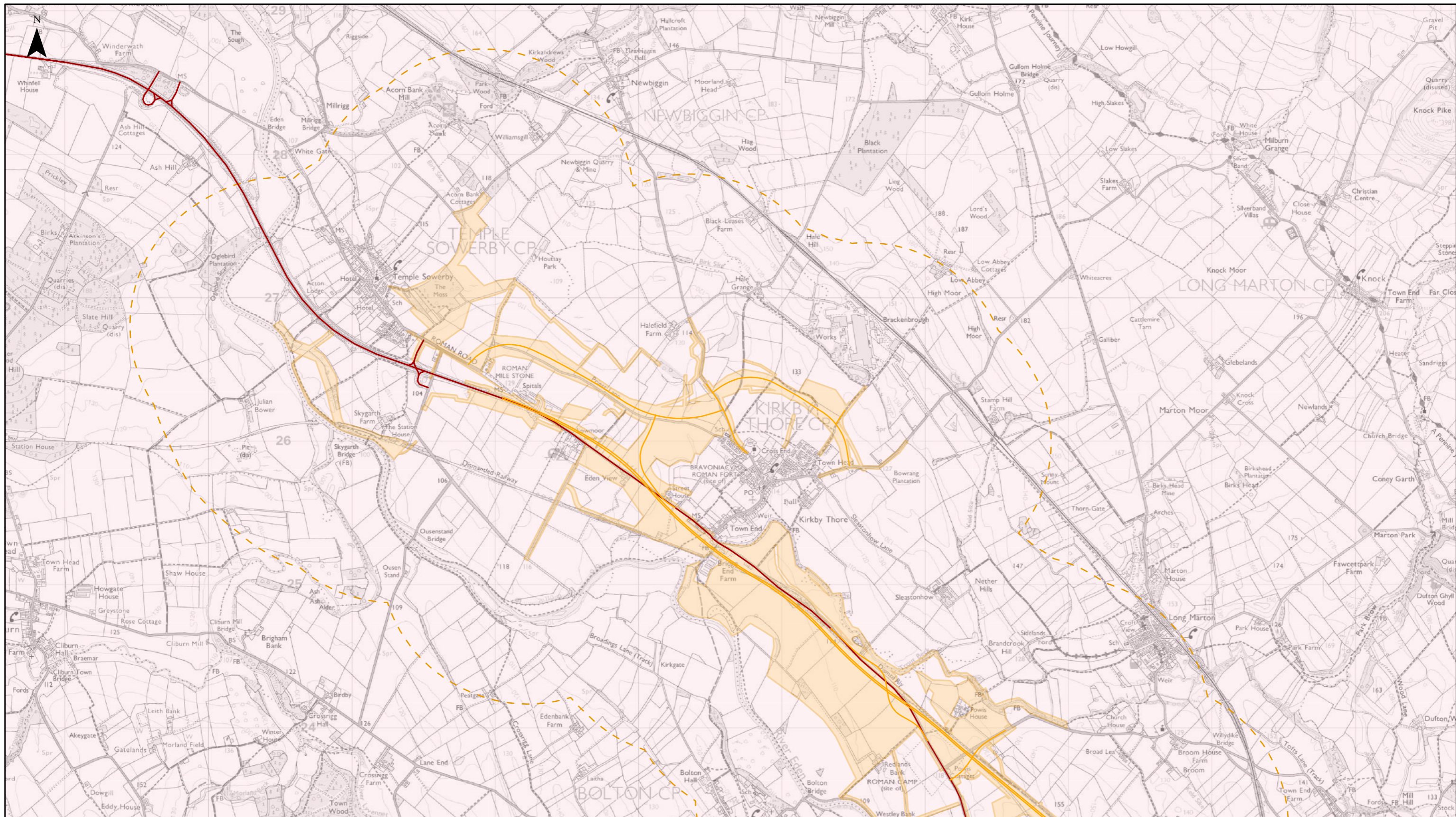



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Revision	Created	Checked	Reviewed	Approved	Authorised



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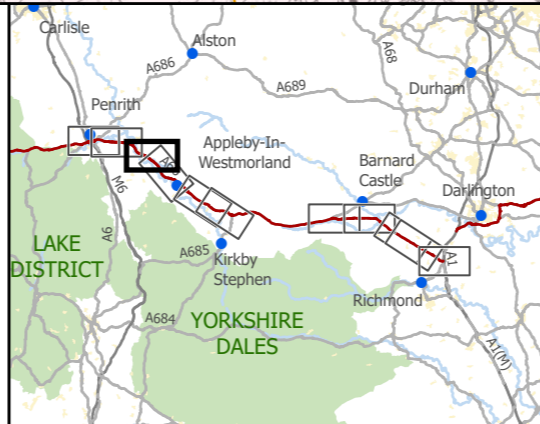
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.5			
Catchment Abstraction Management Strategy Areas			
Sheet 4 of 15			
Temple Sowerby to Appley Blue Alternative			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011063
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	





- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

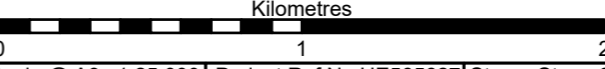
**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



P01	First Issue				
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	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



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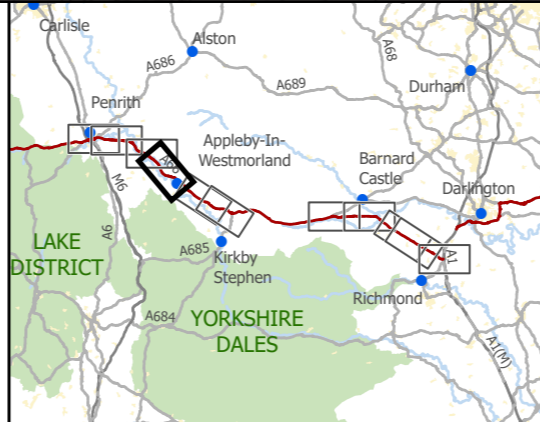
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Map Title <b>Figure 14.5</b>			
Catchment Abstraction Management Strategy Areas			
Sheet 5 of 15			
Temple Sowerby to Appleby			
Orange Alternative			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011064
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	





- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

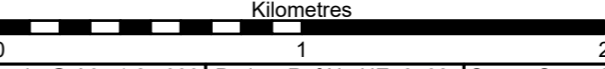
**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



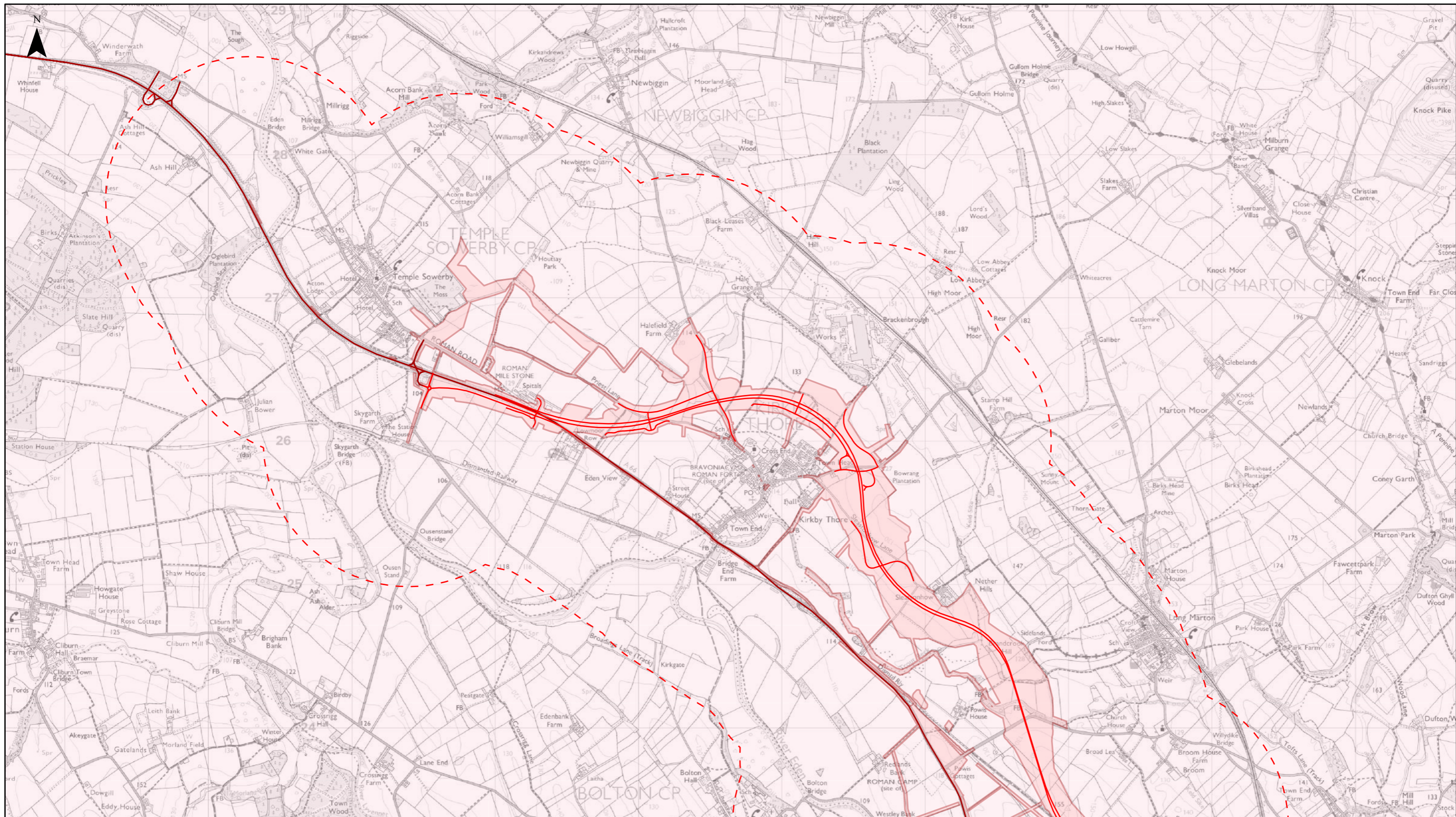



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Revision	Created	Checked	Reviewed	Approved	Authorised



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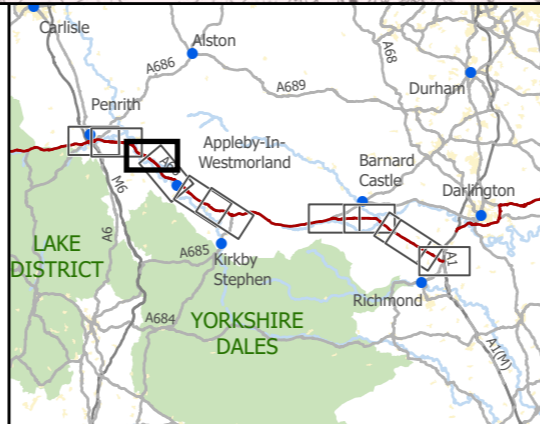
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Map Title Figure 14.5			
Catchment Abstraction Management Strategy Areas			
Sheet 6 of 15			
Temple Sowerby to Appleby			
Orange Alternative			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011065
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



- Scheme Centrelines
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



P01	First Issue				
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Revision	Created	Checked	Reviewed	Approved	Authorised
Kilometres					
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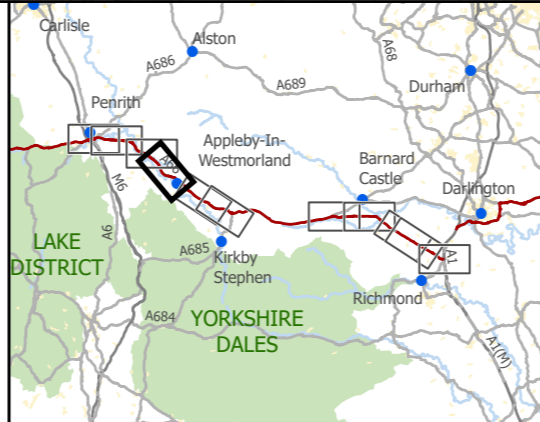
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 14.5</b>			
Catchment Abstraction Management Strategy Areas			
Sheet 7 of 15			
Temple Sowerby to Appleby			
Red Alternative			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Location		Type	Role
S00		- MP	- LD - 011066
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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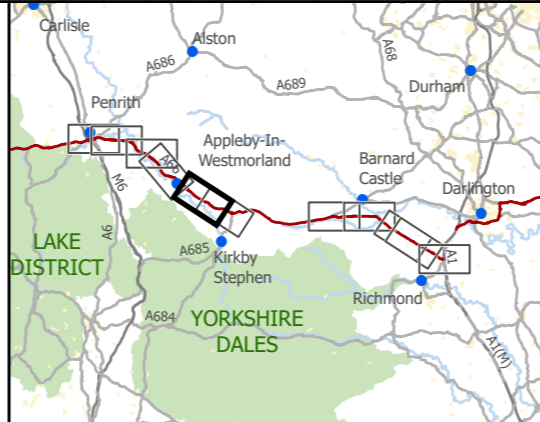
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.5			
Catchment Abstraction Management Strategy Areas			
Sheet 8 of 15			
Temple Sowerby to Appley			
Red Alternative			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011067
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

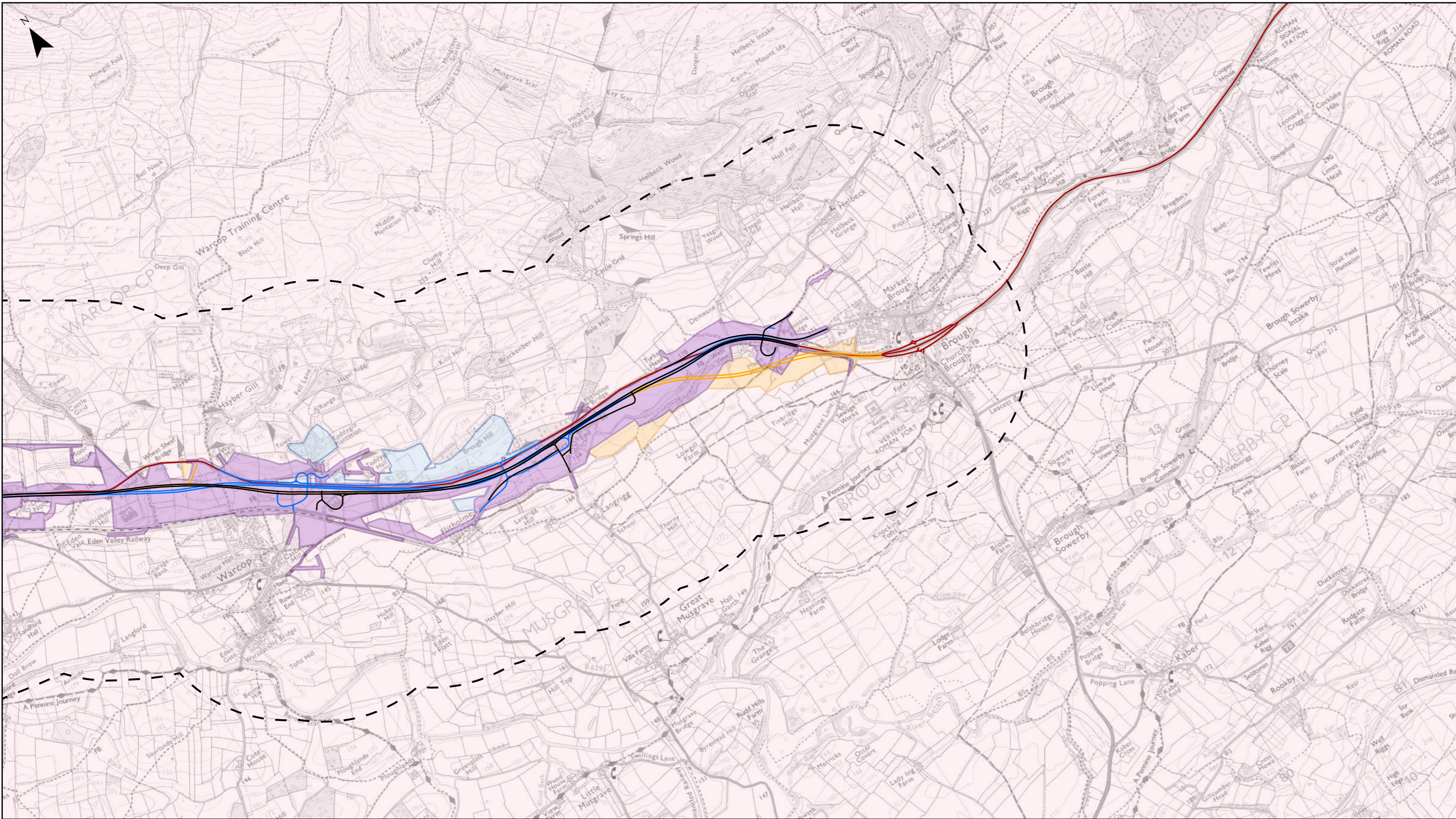
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



P01	First Issue				
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Revision	Created	Checked	Reviewed	Approved	Authorised

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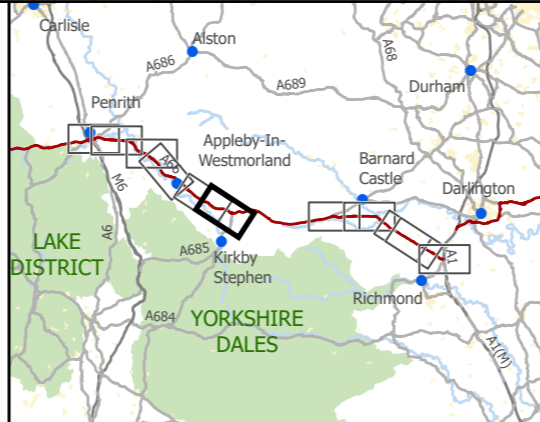
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Map Title Figure 14.5			
Catchment Abstraction Management Strategy Areas			
Sheet 9 of 15			
Appley to Brough			
All Alternatives			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Location		Type	Role
S00		- MP	- LD - 011068
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01





- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

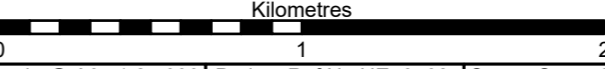
**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



P01	First Issue				
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	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



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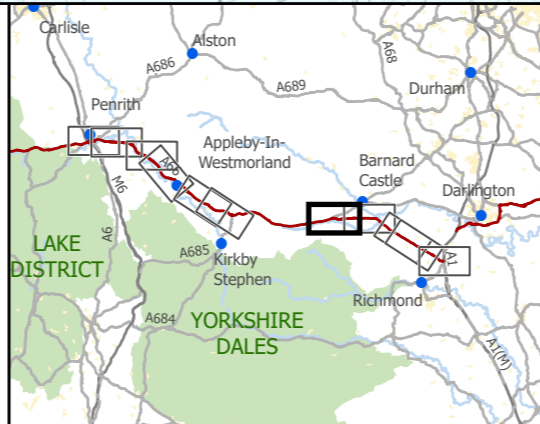
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Map Title Figure 14.5			
Catchment Abstraction Management Strategy Areas			
Sheet 10 of 15			
Appleby to Brough			
All Alternatives			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011069
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	





- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

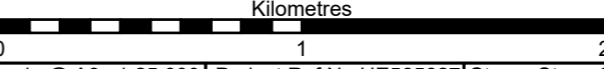
**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



P01	First Issue				
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.5			
Catchment Abstraction Management Strategy Areas			
Sheet 11 of 15			
Bowes Bypass			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01

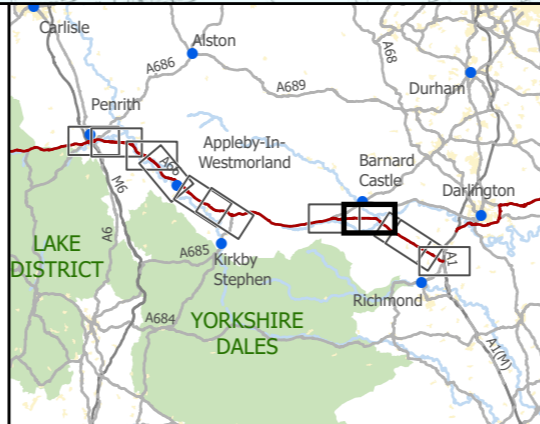






- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

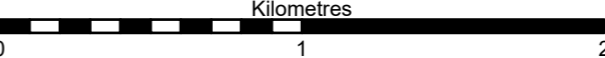
**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



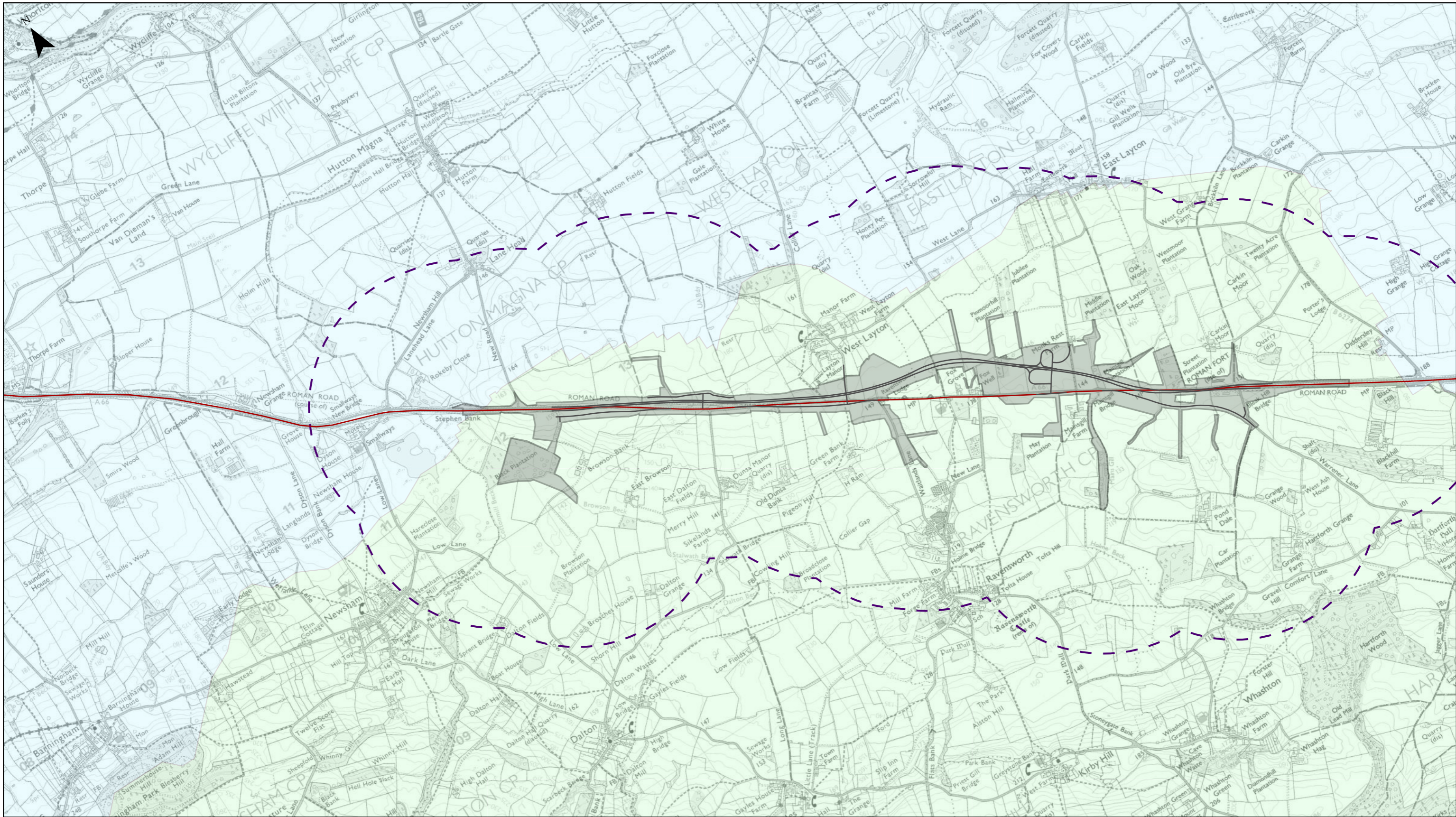



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Revision	Created	Checked	Reviewed	Approved	Authorised



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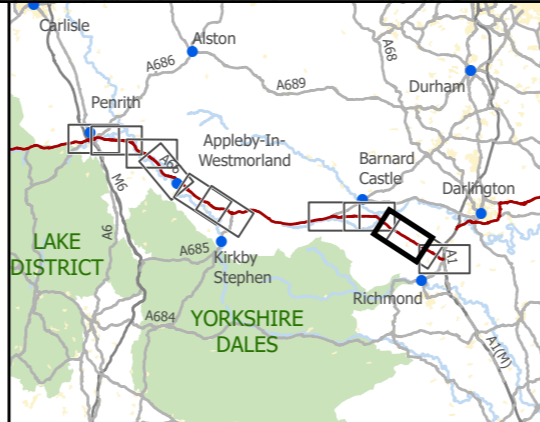
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Map Title Figure 14.5			
Catchment Abstraction Management Strategy Areas			
Sheet 12 of 15			
Cross Lanes to Rokeby			
All Alternatives			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
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- Orange Alternative
- Red Alternative
- Existing A66
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- Study Area 1km - Scheme Alignment
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- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



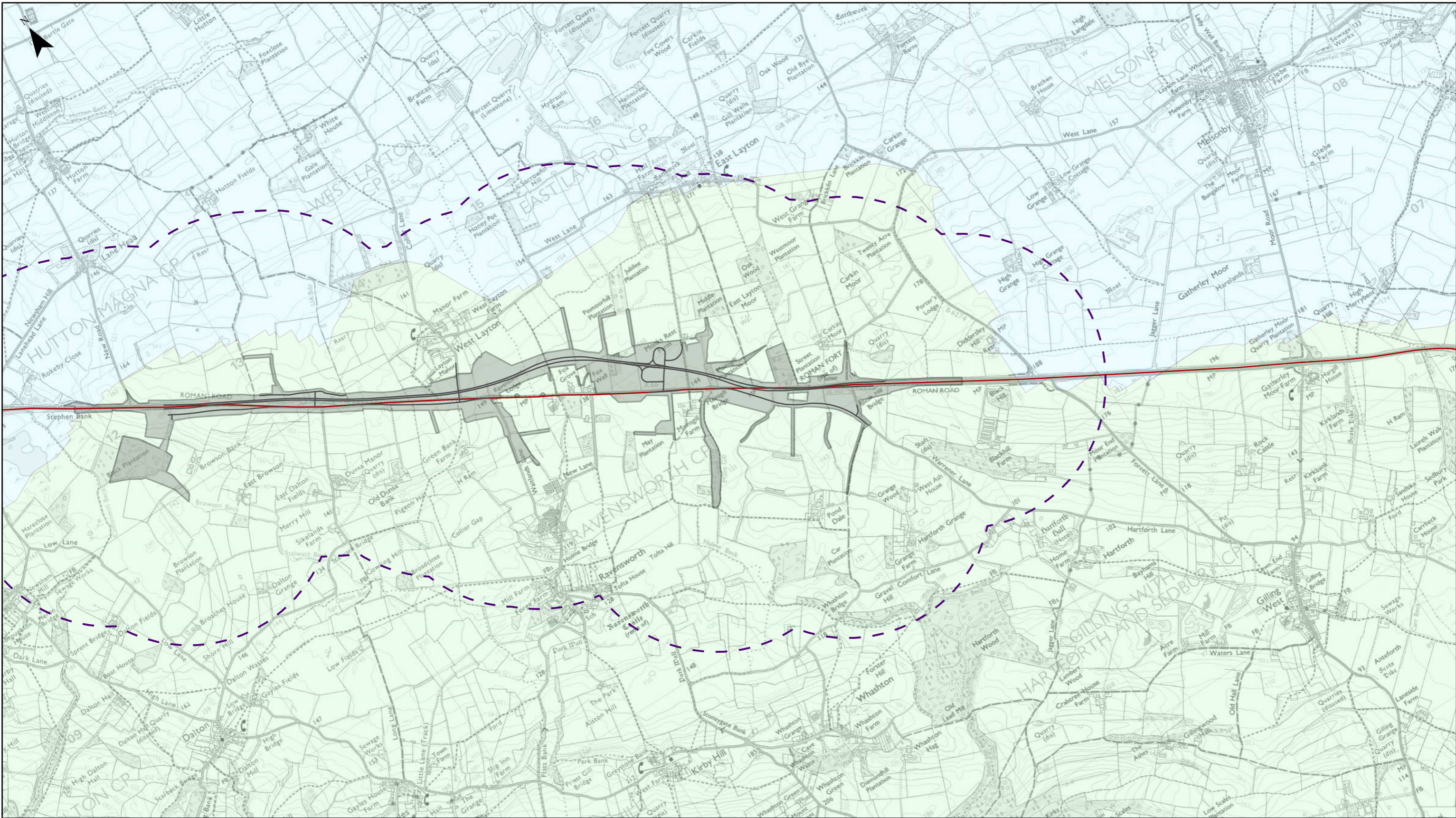
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 14.5**  
 Catchment Abstraction Management Strategy Areas  
 Sheet 13 of 15  
 Stephen Bank to Carkin Moor  
 Scheme Centreline

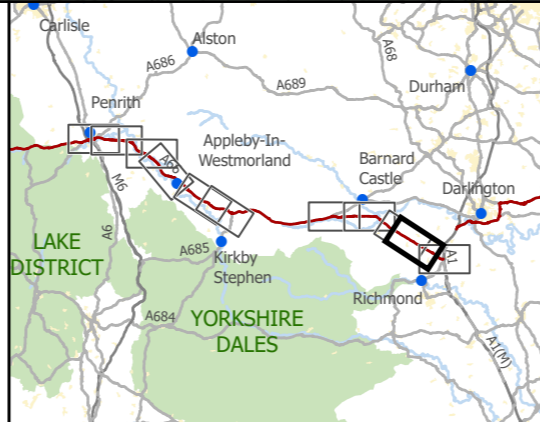
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HE565627	S00	AMY	EWE
	Location	Type	Role
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01





- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

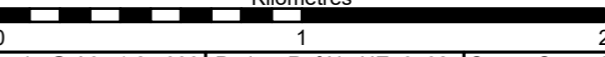
**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



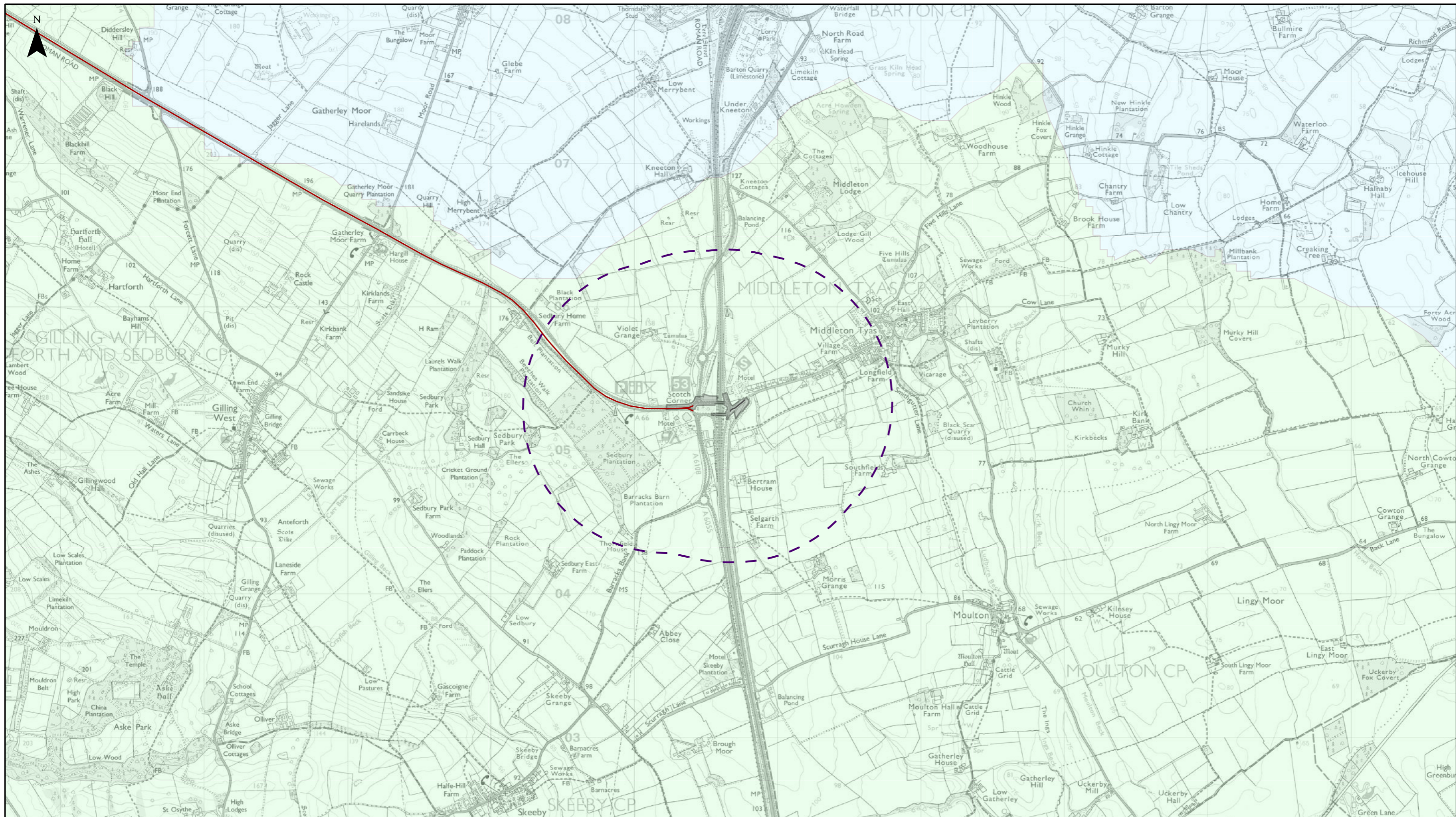



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	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



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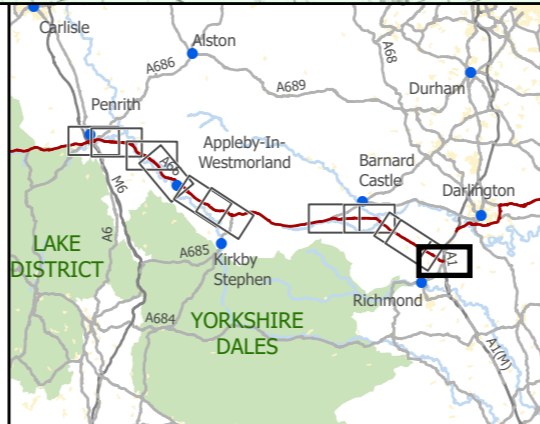
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.5			
Catchment Abstraction Management Strategy Areas			
Sheet 14 of 15			
Stephen Bank to Carkin Moor			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011073
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	





- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

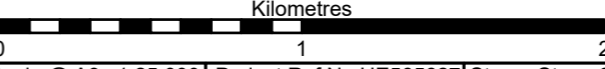
**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Catchment Abstraction Management Strategy Boundary**
- Eden and Esk
- Swale, Ure, Nidd and Upper Ouse
- Tees



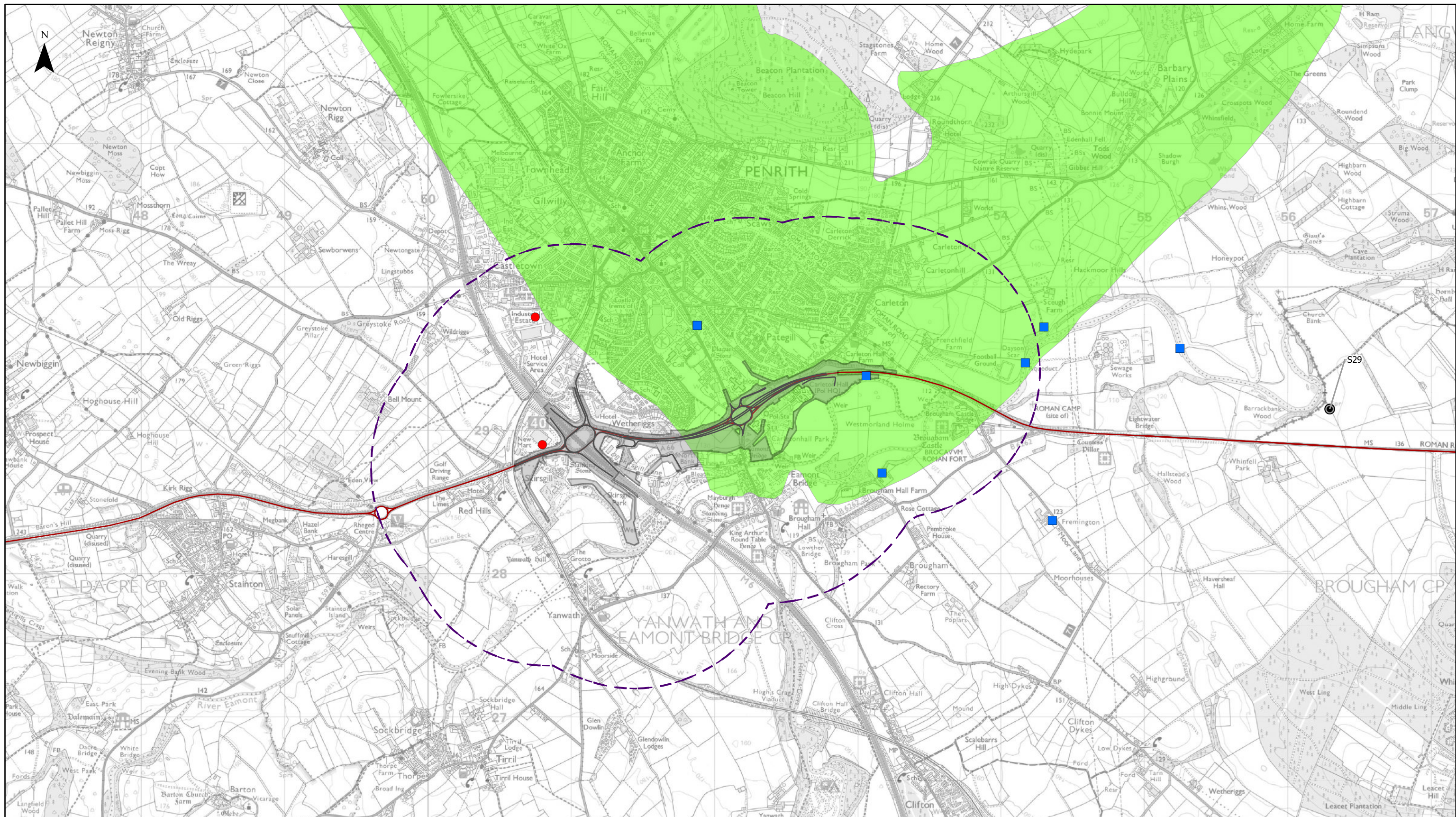
P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	12/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.5			
Catchment Abstraction Management Strategy Areas			
Sheet 15 of 15			
A1(M) Junction 53 Scotch Corner			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



**Legend**

- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

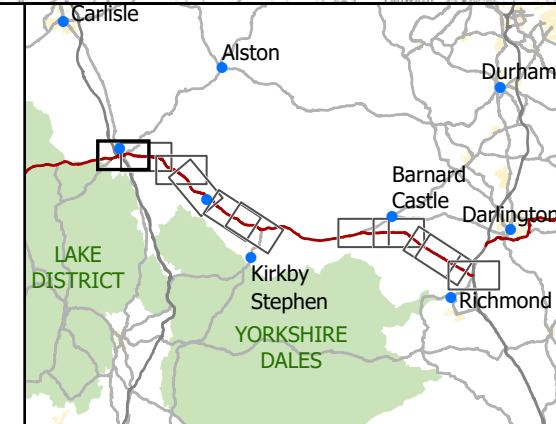
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

**Other Features**

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



**highways england**

**A66 NTP Integrated Project Team**

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
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**

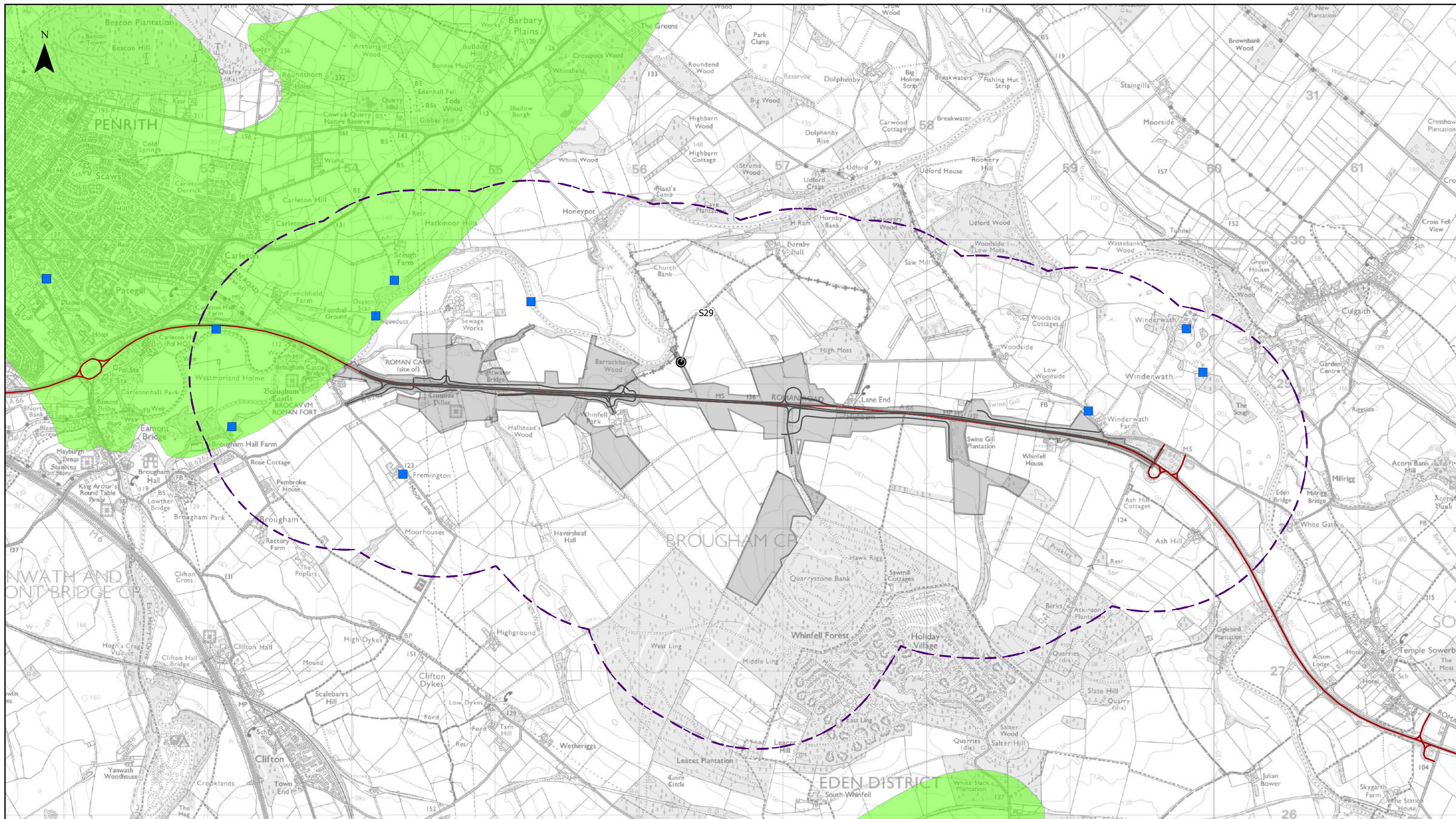
Map Title  
**Figure 14.6**

Hydrogeological Study Areas and Features  
**M6 Junction 40 to Kemplay Bank**

Sheet 1 of 15  
**Scheme Centreline**

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011075
Location	Type	Role	Number

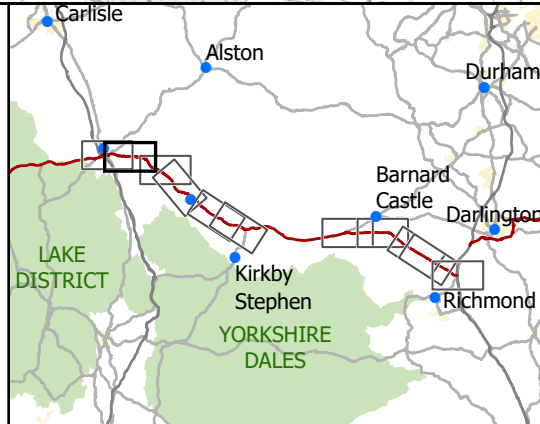
Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Hydrogeological Features**
- Discharge Consents
  - Cave
  - ⊗ Enclosed depression - gypsum karst
  - Enclosed depression - non karst
  - Non-enclosed depression
  - ⊗ Potential enclosed depression

- ⊗ Potential enclosed depression - gypsum karst
- ∩ Valley
- ↔ GW to SW interaction
- ↔ Potential GW to SW interaction
- Non GWSWI
- ↔ SW to GW interaction; Watercourse
- Spring
- ▲ Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



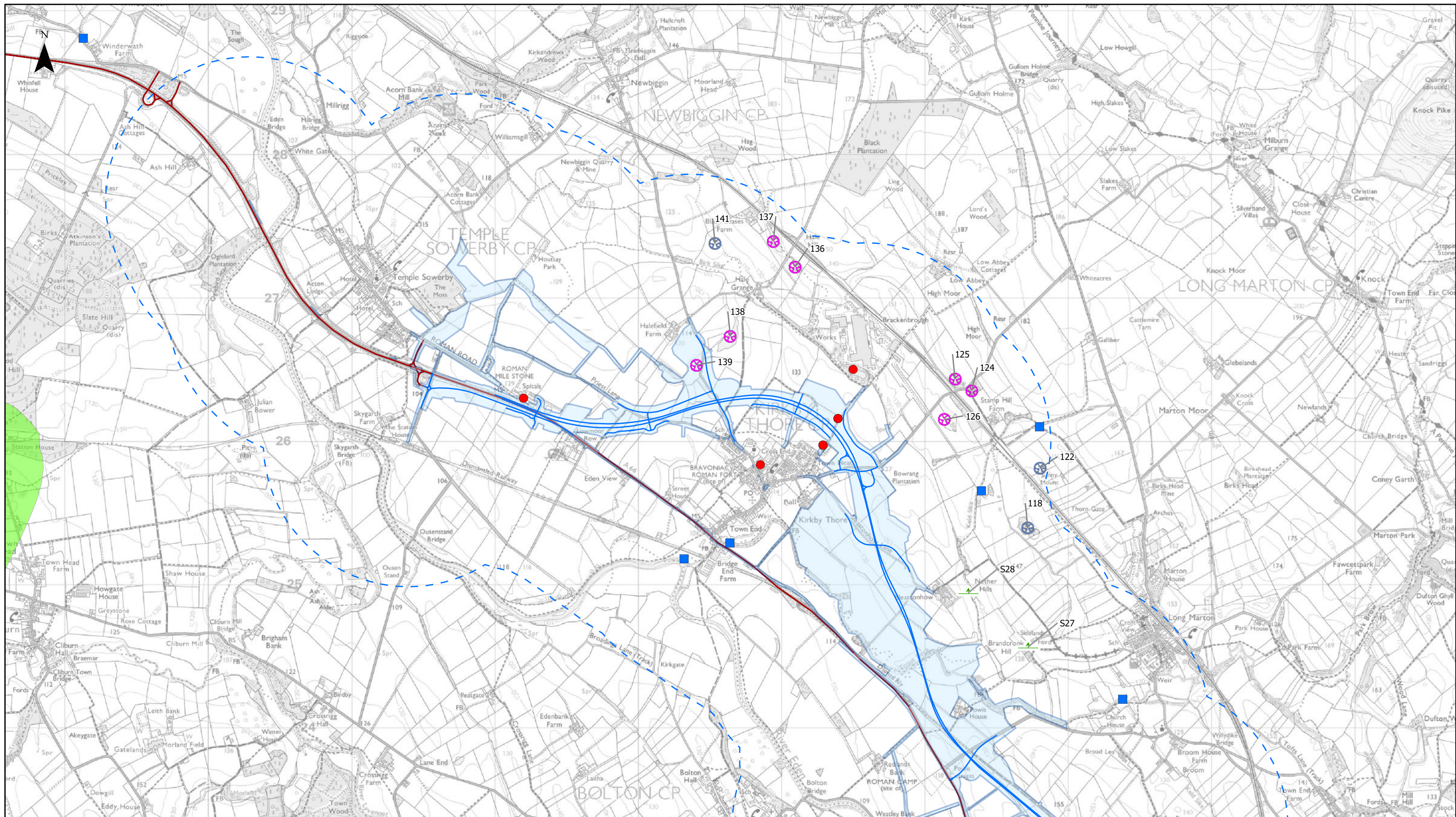
**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.6 Hydrogeological Study Areas and Features Penrith to Temple Sowerby Sheet 2 of 15 Scheme Centreline			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
Location S00		Type	Role
MP - LD - 011076			Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



**Legend**

- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

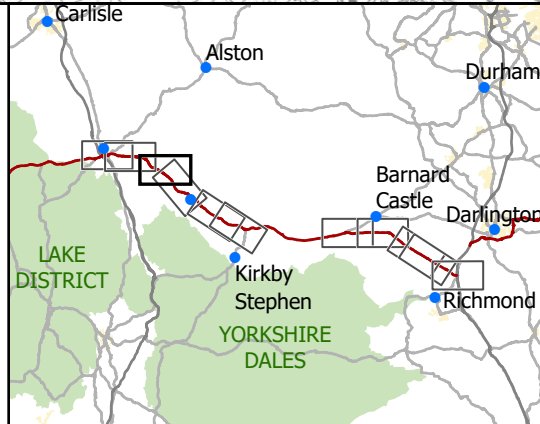
**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



**highways england** **A66 NTP Integrated Project Team**

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

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Project Name  
**A66 Northern Trans-Pennine**

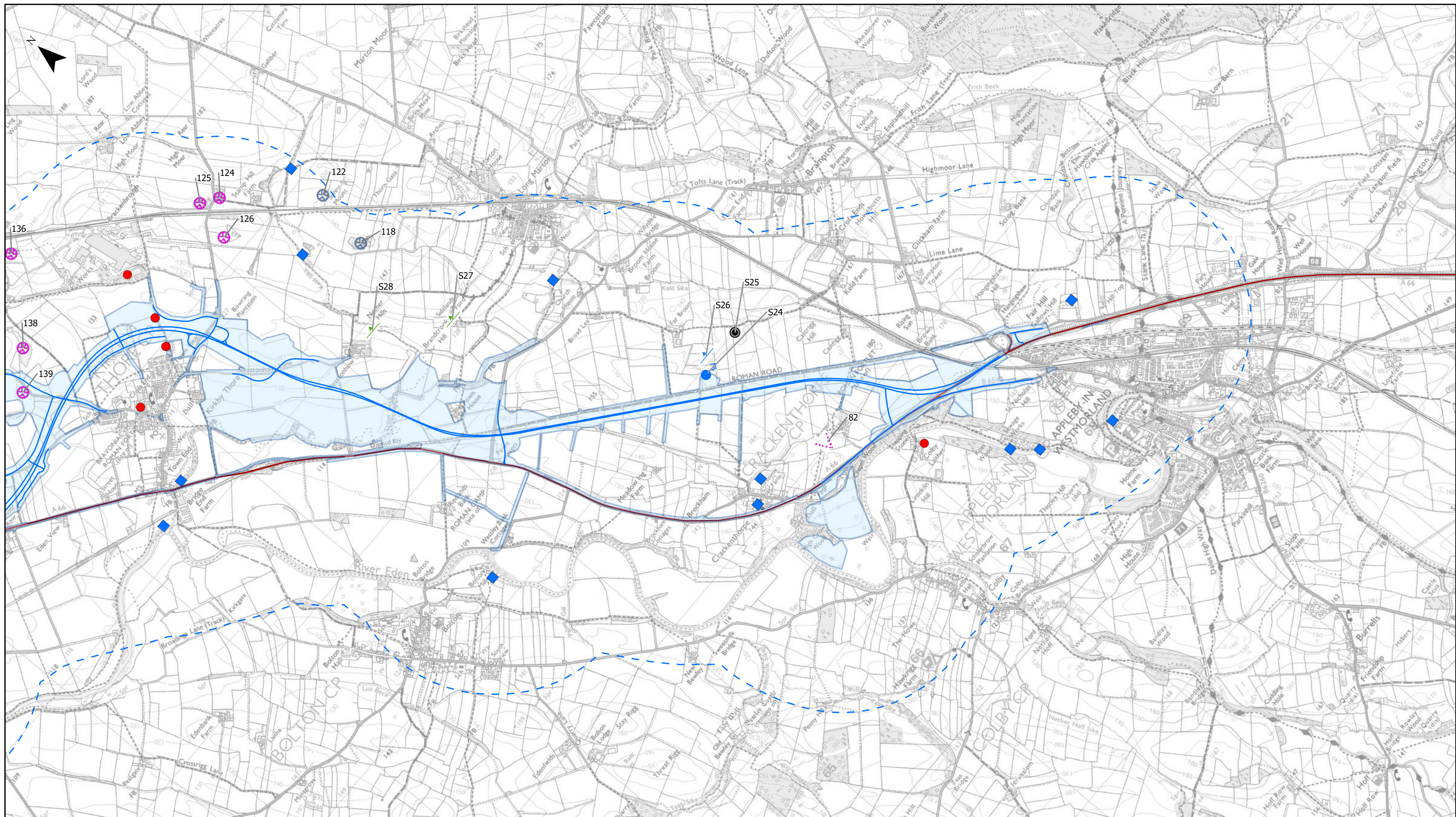
Map Title  
**Figure 14.6**

Hydrogeological Study Areas and Features  
**Temple Sowerby to Appleby**

Sheet 3 of 15  
**Blue Alternative**

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011077
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



**Legend**

- Scheme Centrelines
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

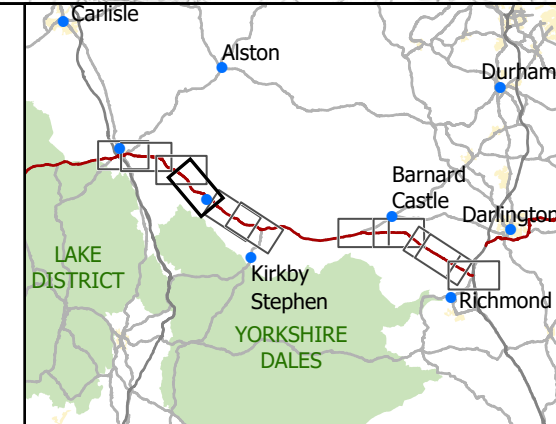
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

**Other Features**

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
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**

Map Title: **Figure 14.6 Hydrogeological Study Areas and Features Temple Sowerby to Appleyby**

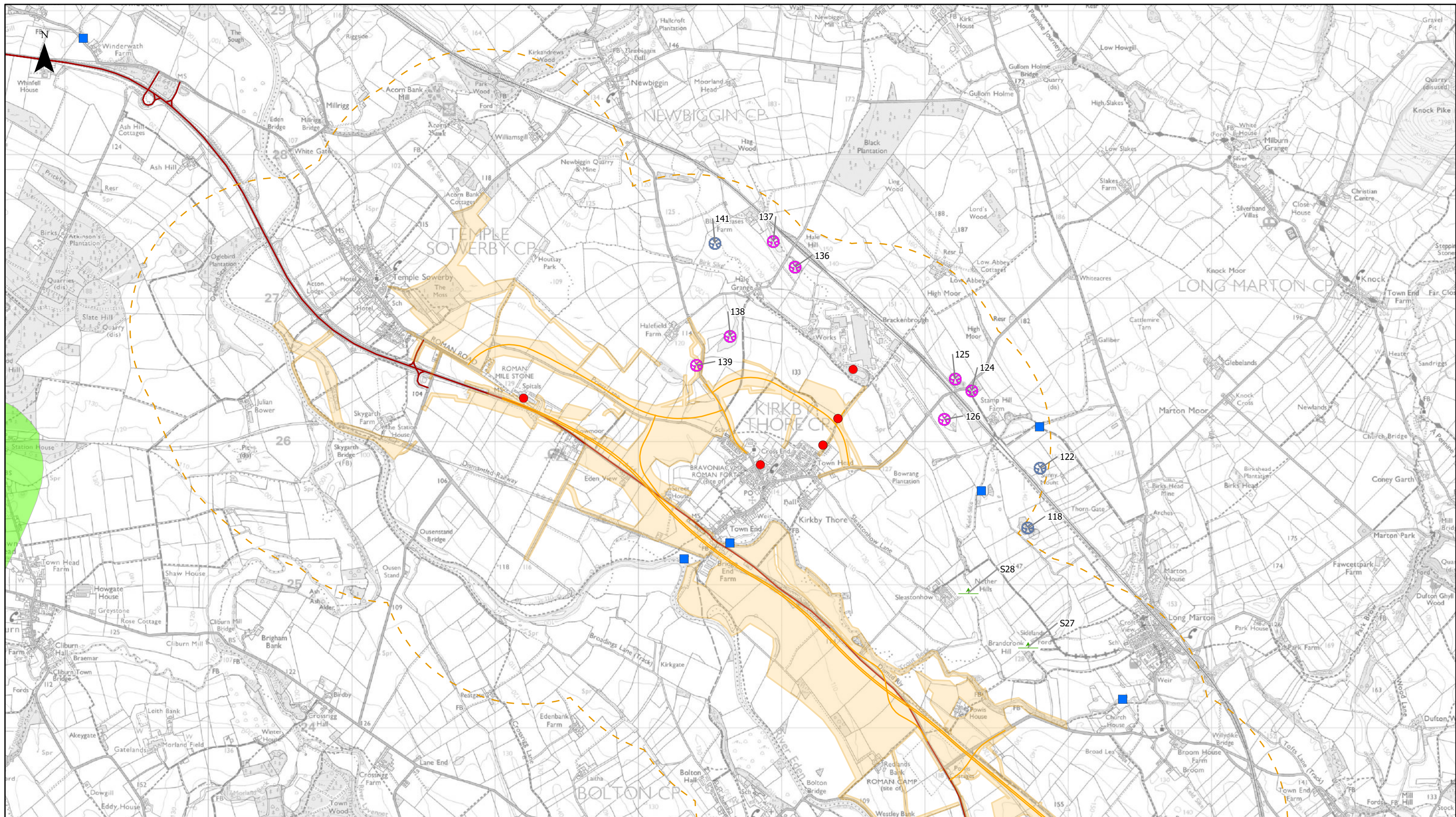
Sheet 4 of 15

Blue Alternative

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP	- LD - 011078
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01





**Legend**

- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

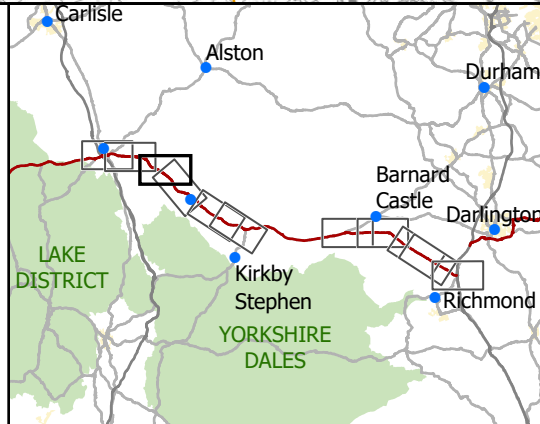
**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



**highways england** **A66 NTP Integrated Project Team**

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 14.6**

Hydrogeological Study Areas and Features  
Temple Sowerby to Appleby  
Sheet 5 of 15  
Orange Alternative

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011079
Location	Type	Role	Number
Suitability S4	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		Revision <b>P01</b>



**Legend**

- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

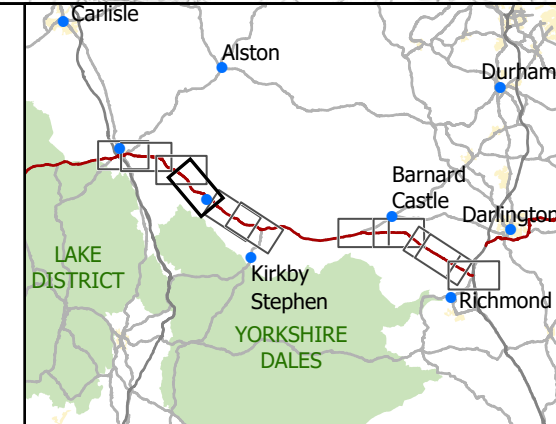
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

**Other Features**

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



**highways england** | **A66 NTP** | **Integrated Project Team**

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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

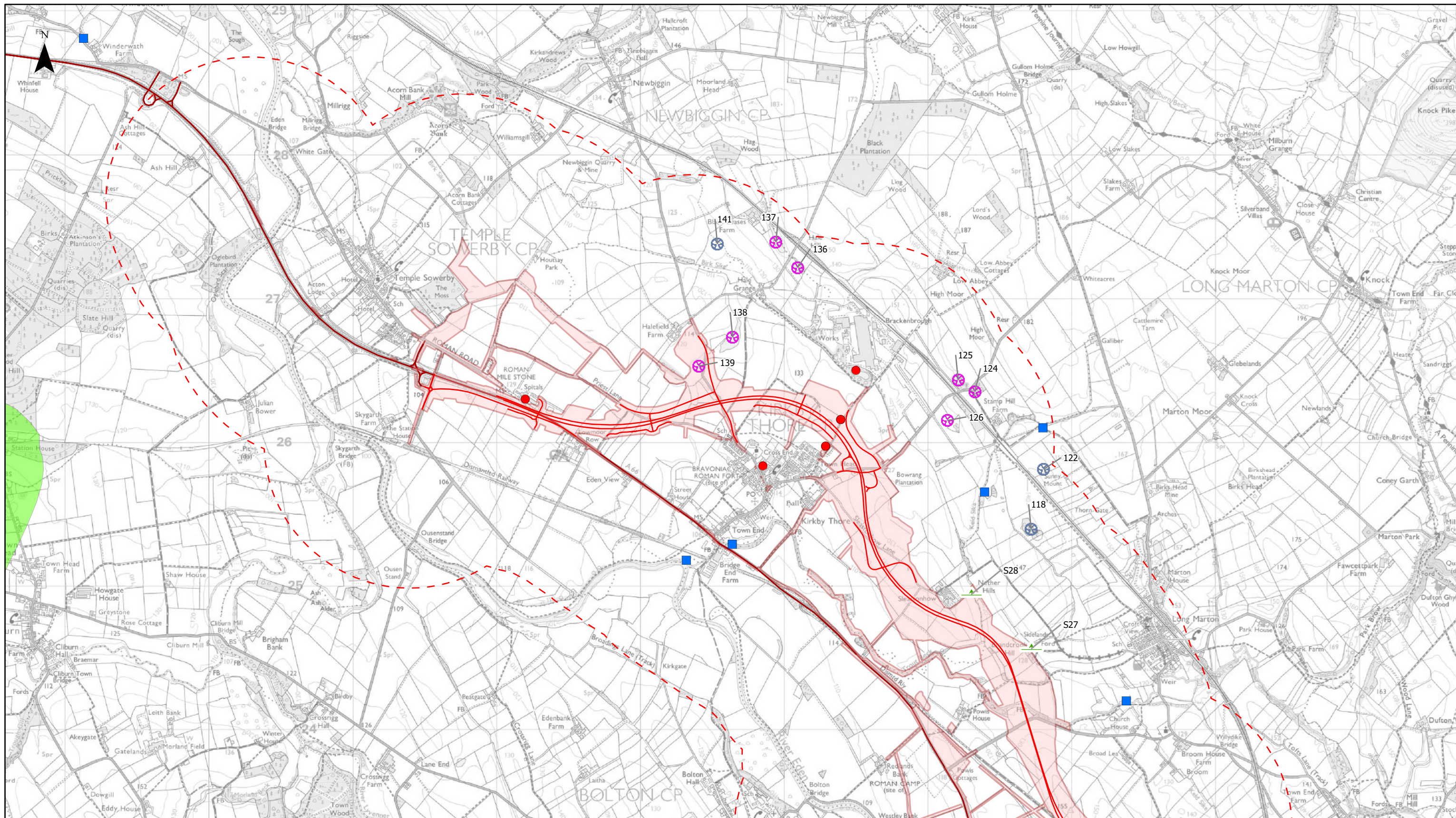
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**Project Name**  
A66 Northern Trans-Pennine

**Map Title**  
Figure 14.6  
Hydrogeological Study Areas and Features  
Temple Sowerby to Appleyby  
Sheet 6 of 15  
Orange Alternative

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011080
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



**Legend**

- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

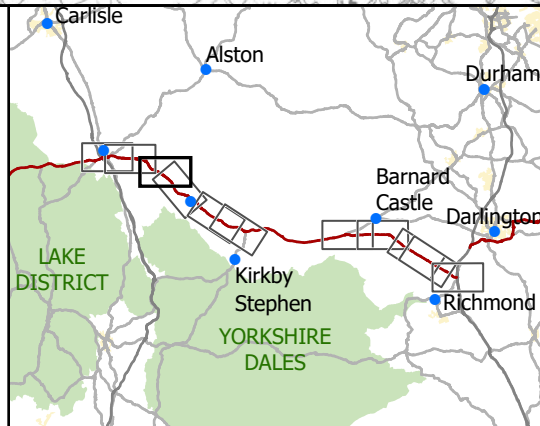
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

**Other Features**

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 14.6**

Hydrogeological Study Areas and Features  
**Temple Sowerby to Appleby**

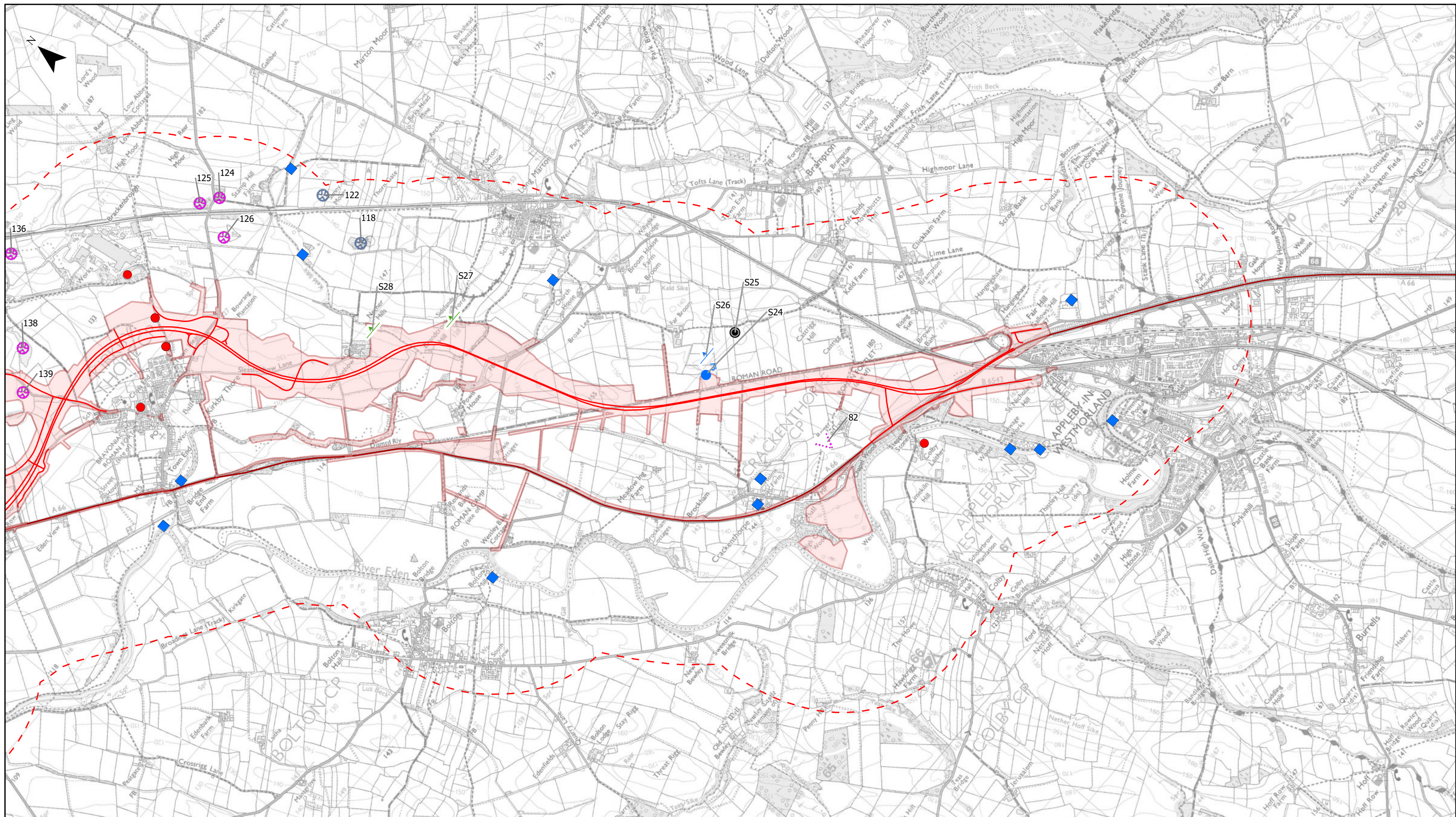
Sheet 7 of 15  
**Red Alternative**

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP	- LD - 011081
Location	Type	Role	Number

Suitability  
**S4**

Suitability Description  
**FIT FOR STAGE APPROVAL**

Revision  
**P01**



**Proposed Draft DCO Boundary for the Purpose of Consultation**

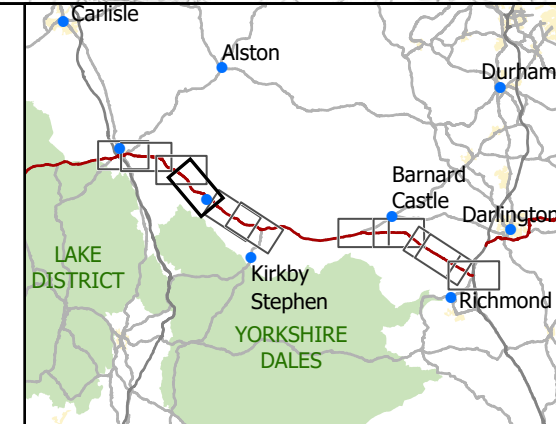
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

**Other Features**

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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

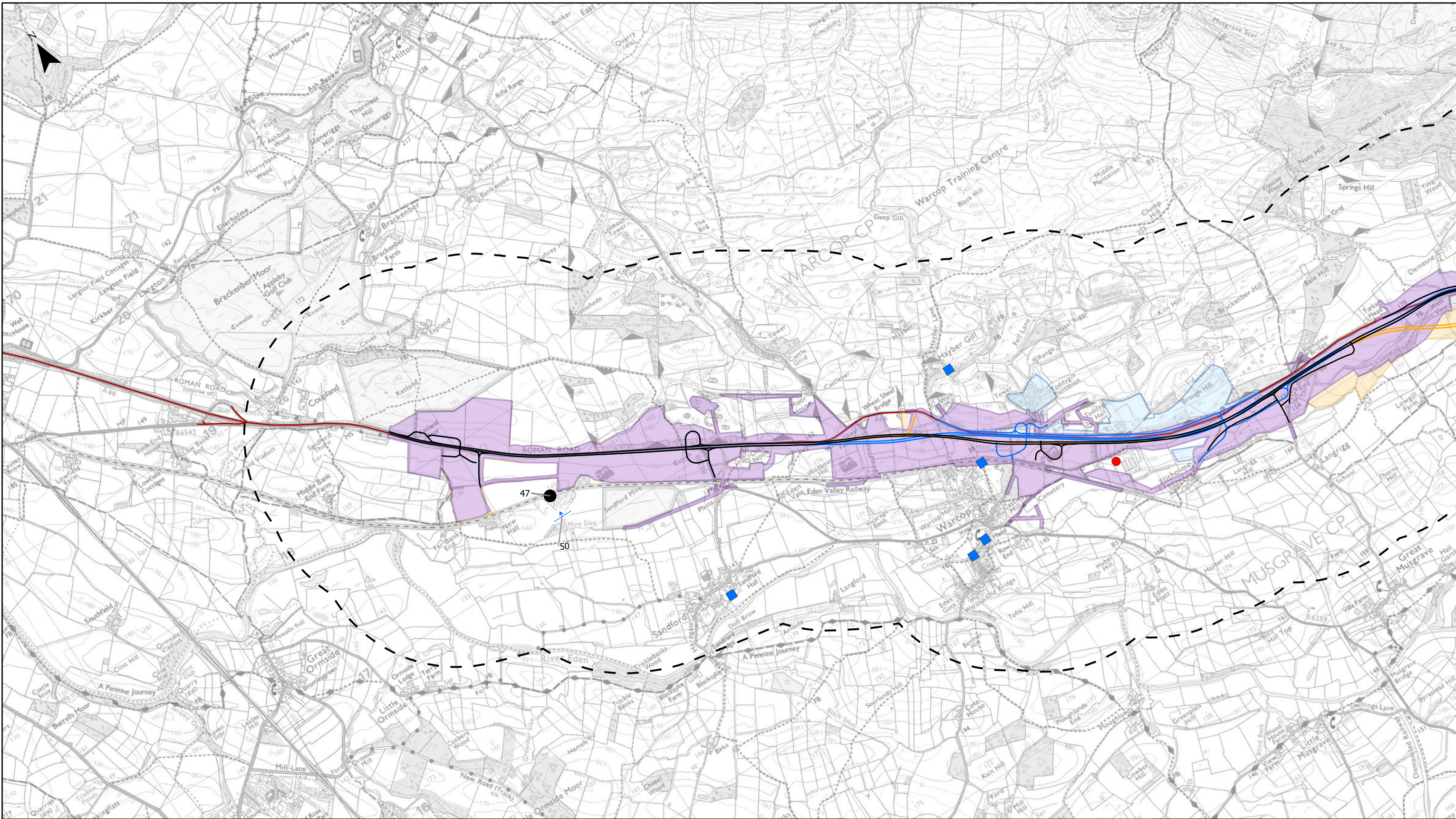
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 14.6**

Hydrogeological Study Areas and Features  
Temple Sowerby to Appleyby  
Sheet 8 of 15  
Red Alternative

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011082
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



**Legend**

- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

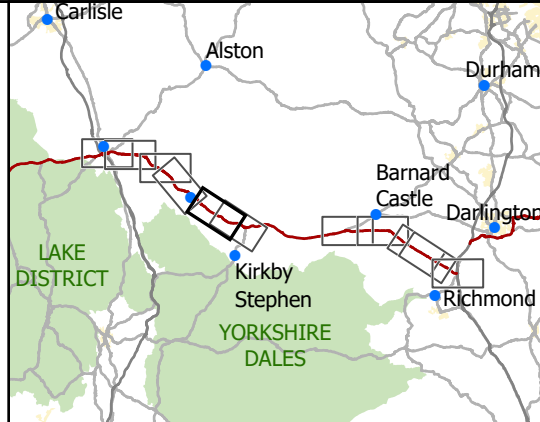
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

**Other Features**

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



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**A66 NTP Integrated Project Team**

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

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

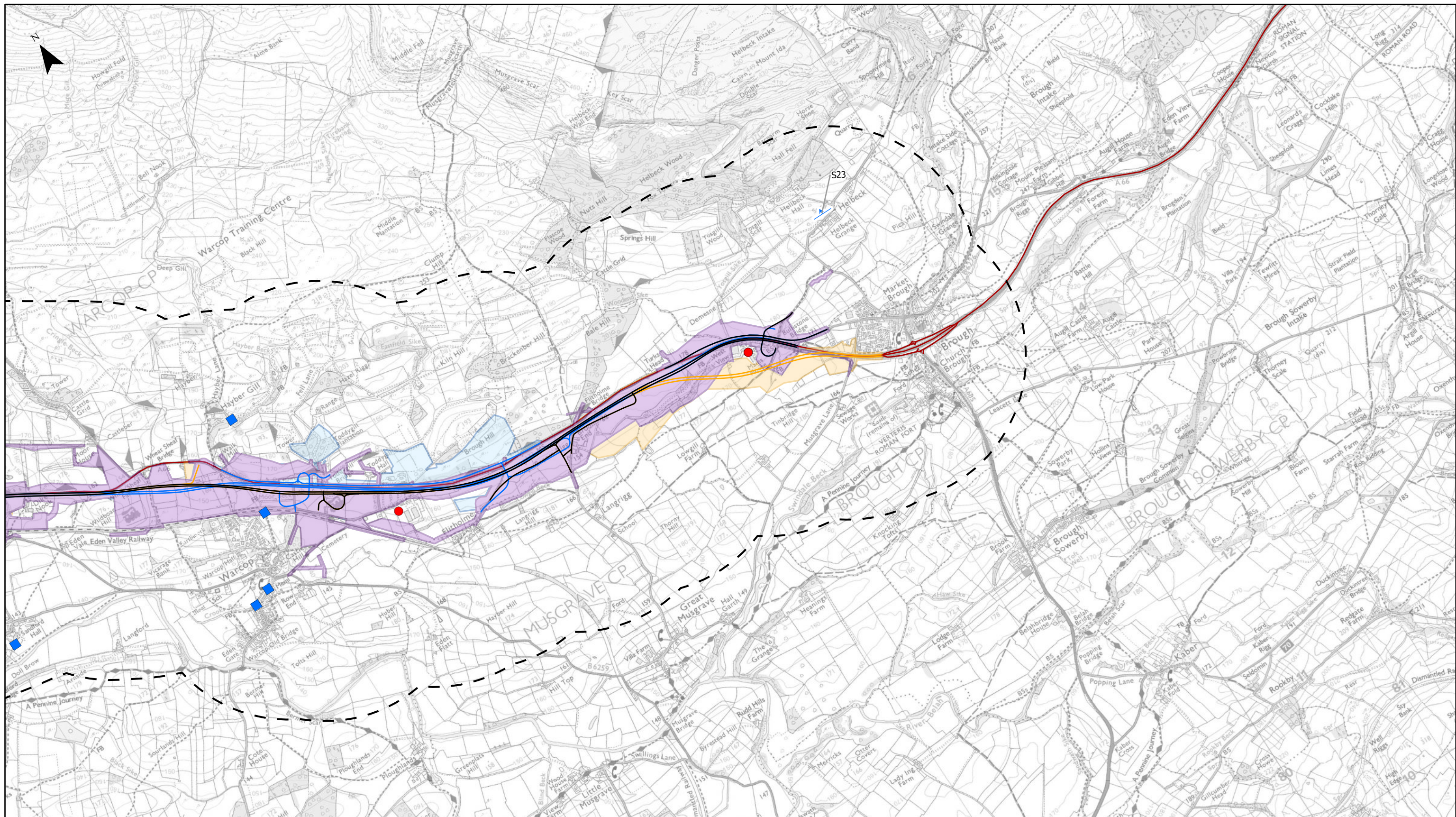
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**Project Name**  
A66 Northern Trans-Pennine

**Map Title**  
Figure 14.6  
Hydrogeological Study Areas and Features  
Appleyby to Brough  
Sheet 9 of 15  
All Alternatives

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP	LD - 011083
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



**Legend**

- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

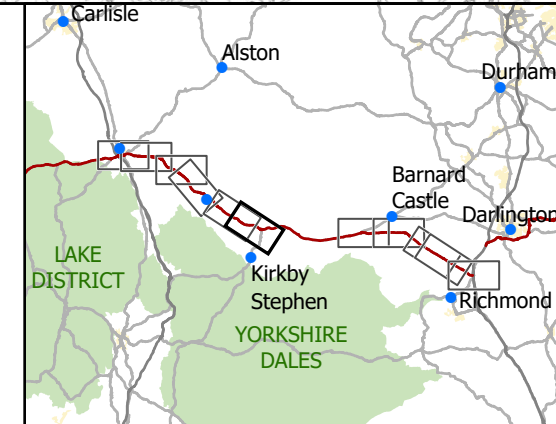
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

**Other Features**

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



**highways england** | **A66 NTP** Integrated Project Team

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

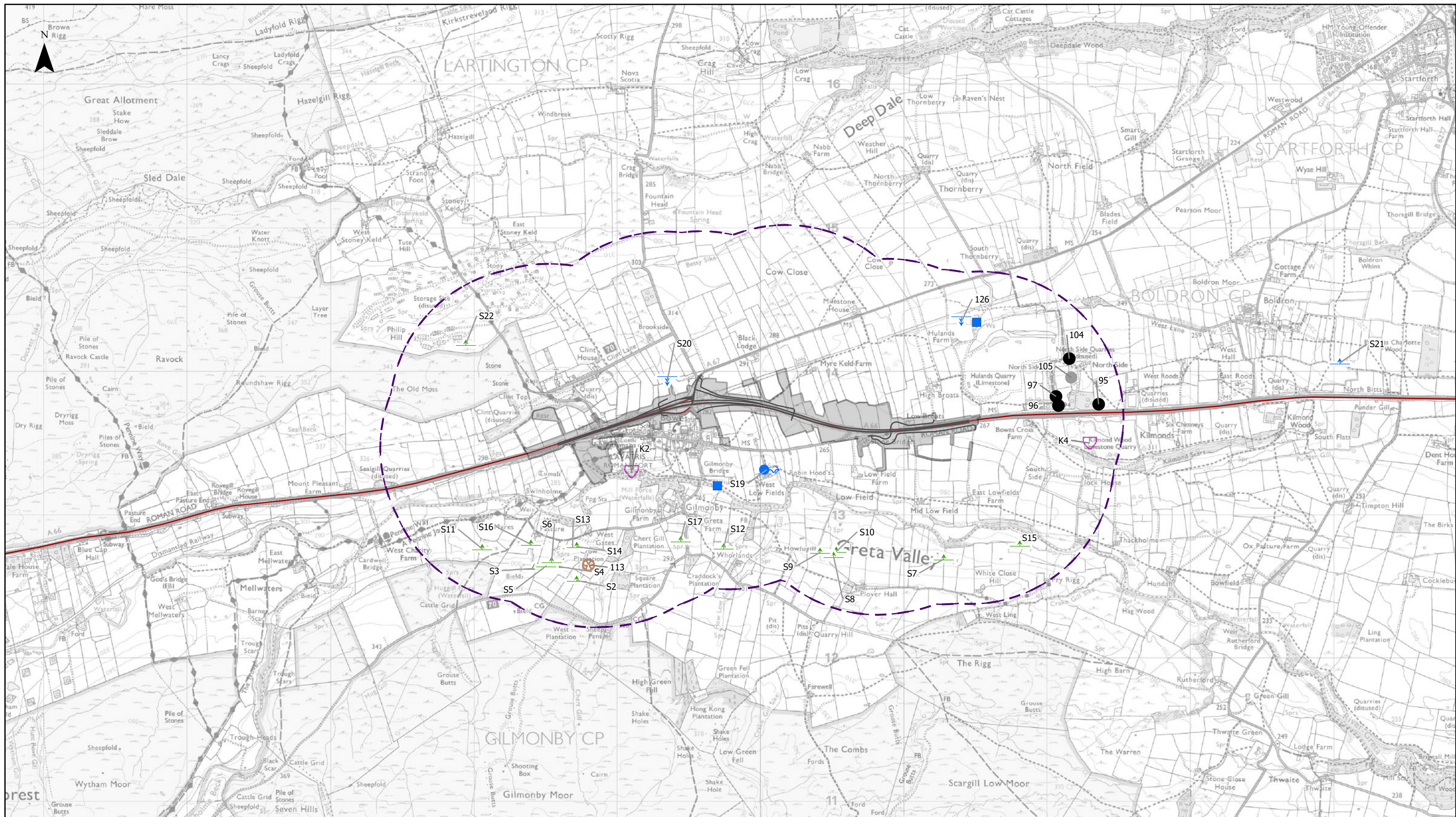
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**Project Name**  
A66 Northern Trans-Pennine

**Map Title**  
Figure 14.6  
Hydrogeological Study Areas and Features  
Appleby to Brough  
Sheet 10 of 15  
All Alternatives

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011084
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



**Legend**

- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

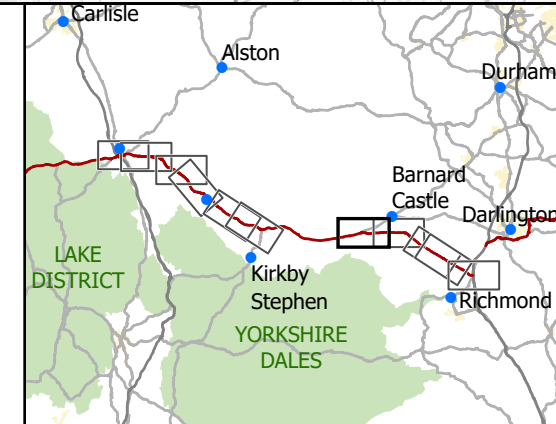
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

**Other Features**

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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**Project Name**  
A66 Northern Trans-Pennine

**Map Title**  
Figure 14.6  
Hydrogeological Study Areas and Features  
Bowes Bypass  
Sheet 11 of 15  
Scheme Centreline

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011085
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



**Legend**

- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

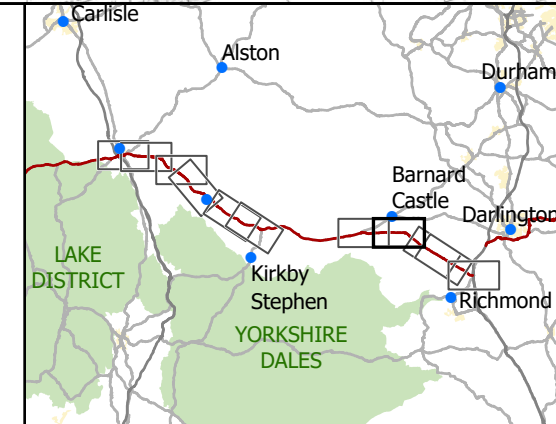
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

**Other Features**

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

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Project Name  
**A66 Northern Trans-Pennine**

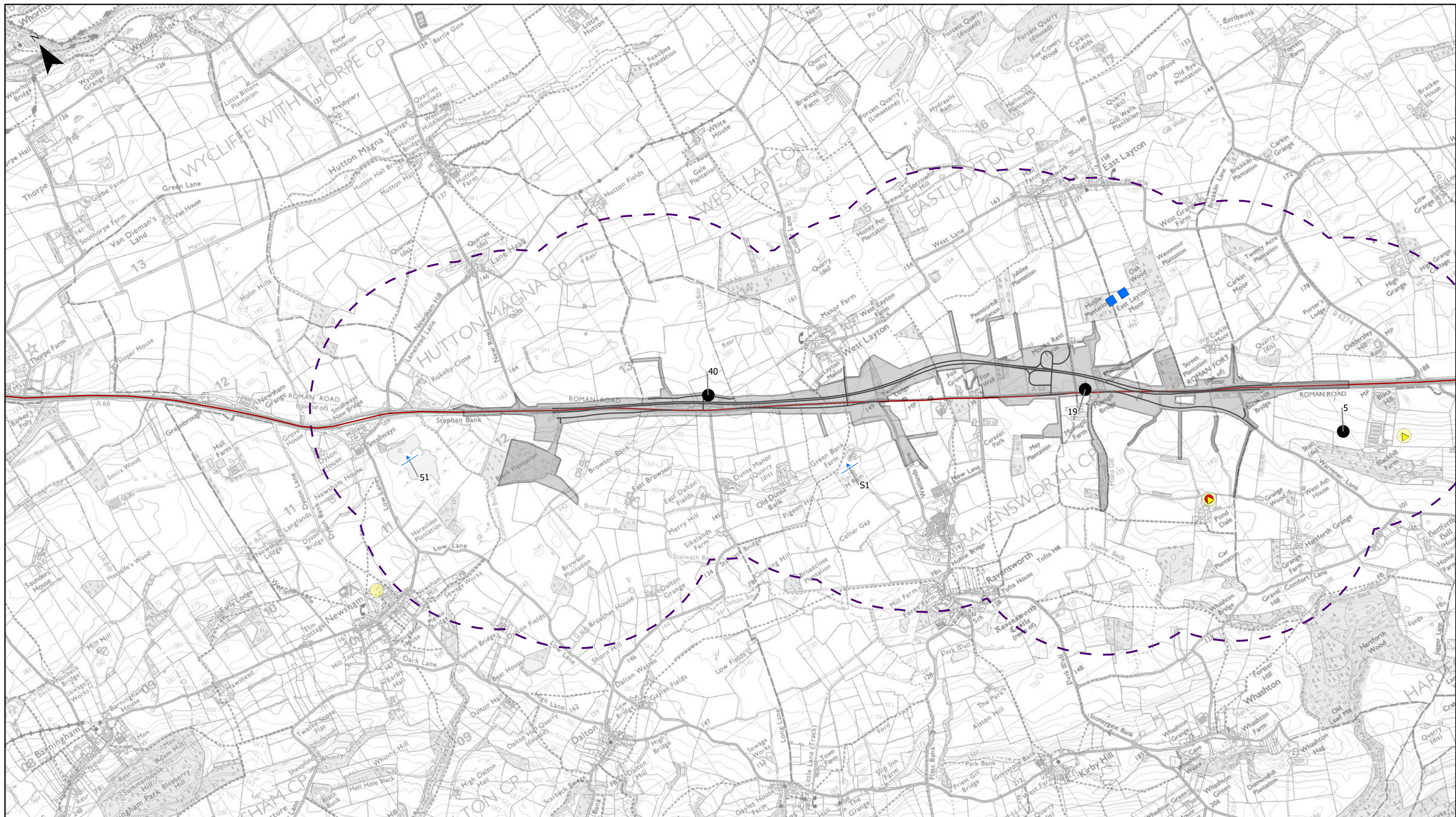
Map Title  
**Figure 14.6**

Hydrogeological Study Areas and Features  
Cross Lanes to Rokeby  
Sheet 12 of 15  
All Alternatives

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011086
Location	Type	Role	Number

Suitability S4 | Suitability Description FIT FOR STAGE APPROVAL | Revision P01





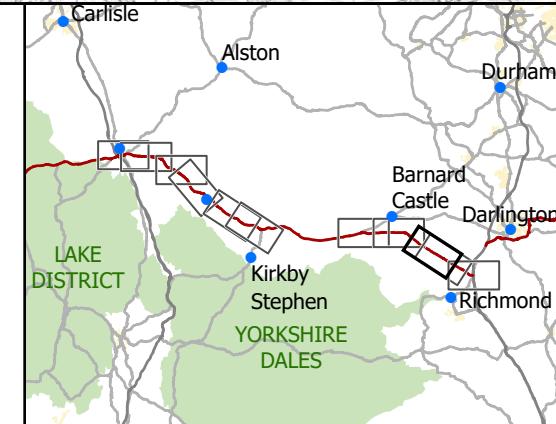
**Scheme Centreline**  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative  
 — Existing A66

**Study Area 1km - Combined Scheme Draft DCO Boundaries**  
 - - - Study Area 1km - Scheme Alignment  
 - - - Study Area 1km - Blue Alternative  
 - - - Study Area 1km - Orange Alternative  
 - - - Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**  
 — Scheme  
 — Black Alternative  
 — Blue Alternative  
 — Orange Alternative  
 — Red Alternative

**Hydrogeological Features**  
 ■ Discharge Consents  
 ▭ Cave  
 ● Enclosed depression - gypsum karst  
 ● Enclosed depression - non karst  
 ● Non-enclosed depression  
 ● Potential enclosed depression

⊗ Potential enclosed depression - gypsum karst  
 ▤ Valley  
 ▲ GW to SW interaction  
 ▲ Potential GW to SW interaction  
 ● Non GWSWI  
 ● SW to GW interaction; Watercourse  
 ● Spring  
 ● Abstraction Data  
 ● EA Abstraction Licences  
 ■ Source Protection Zone 1  
 ■ Source Protection Zone 2  
 ■ Source Protection Zone 3



**highways england** **A66 NTP Integrated Project Team**

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 14.6**

Hydrogeological Study Areas and Features  
 Stephen Bank to Carkin Moor  
 Sheet 13 of 15  
 Scheme Centreline

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011087
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



**Legend**

- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

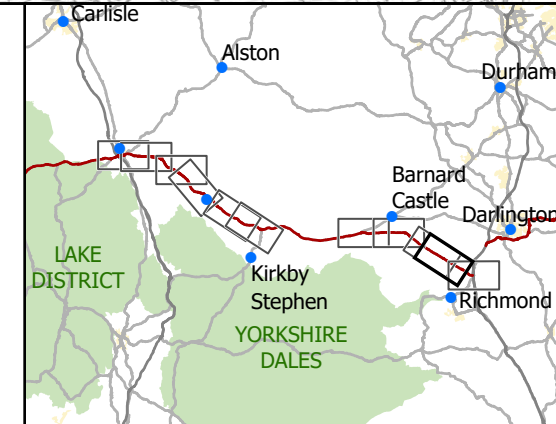
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

**Other Features**

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



**highways england** **A66 NTP Integrated Project Team**

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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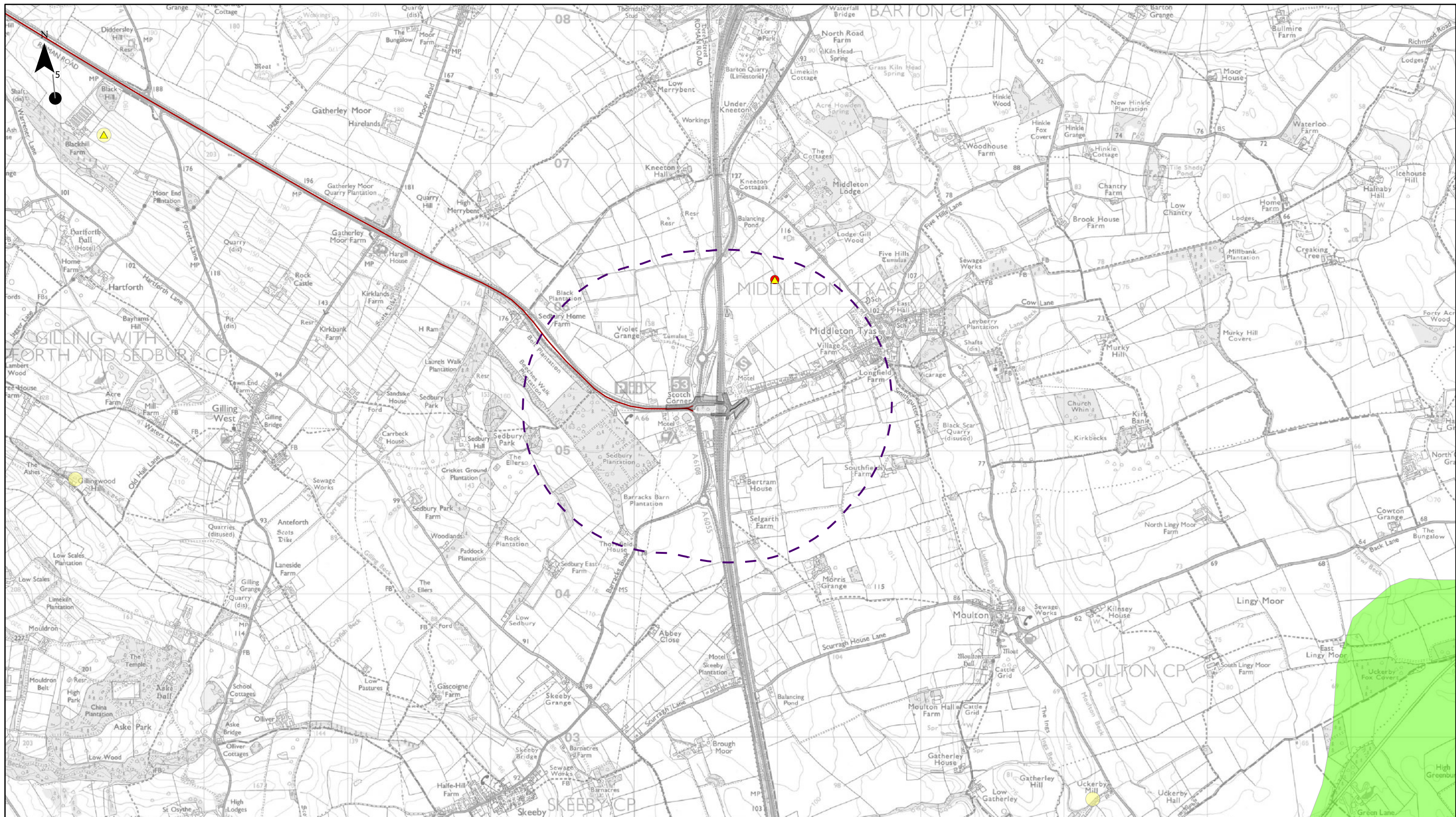
Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 14.6**

Hydrogeological Study Areas and Features  
**Stephen Bank to Carkin Moor**

Sheet 14 of 15  
**Scheme Centreline**

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011088
Location	Type	Role	Number
Suitability S4	FIT FOR STAGE APPROVAL		Revision P01



**Legend**

- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Draft DCO Boundaries
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

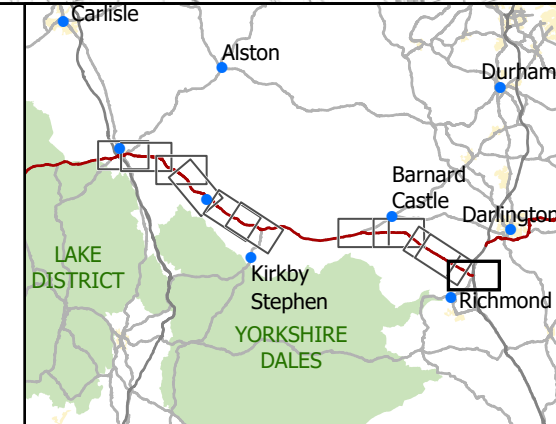
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Hydrogeological Features**

- Discharge Consents
- Cave
- Enclosed depression - gypsum karst
- Enclosed depression - non karst
- Non-enclosed depression
- Potential enclosed depression

**Other Features**

- Potential enclosed depression - gypsum karst
- Valley
- GW to SW interaction
- Potential GW to SW interaction
- Non GWSWI
- SW to GW interaction; Watercourse
- Spring
- Abstraction Data
- EA Abstraction Licences
- Source Protection Zone 1
- Source Protection Zone 2
- Source Protection Zone 3



**highways england** **A66 NTP** **Integrated Project Team**

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	17/09/21	17/09/21	17/09/21	17/09/21	17/09/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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

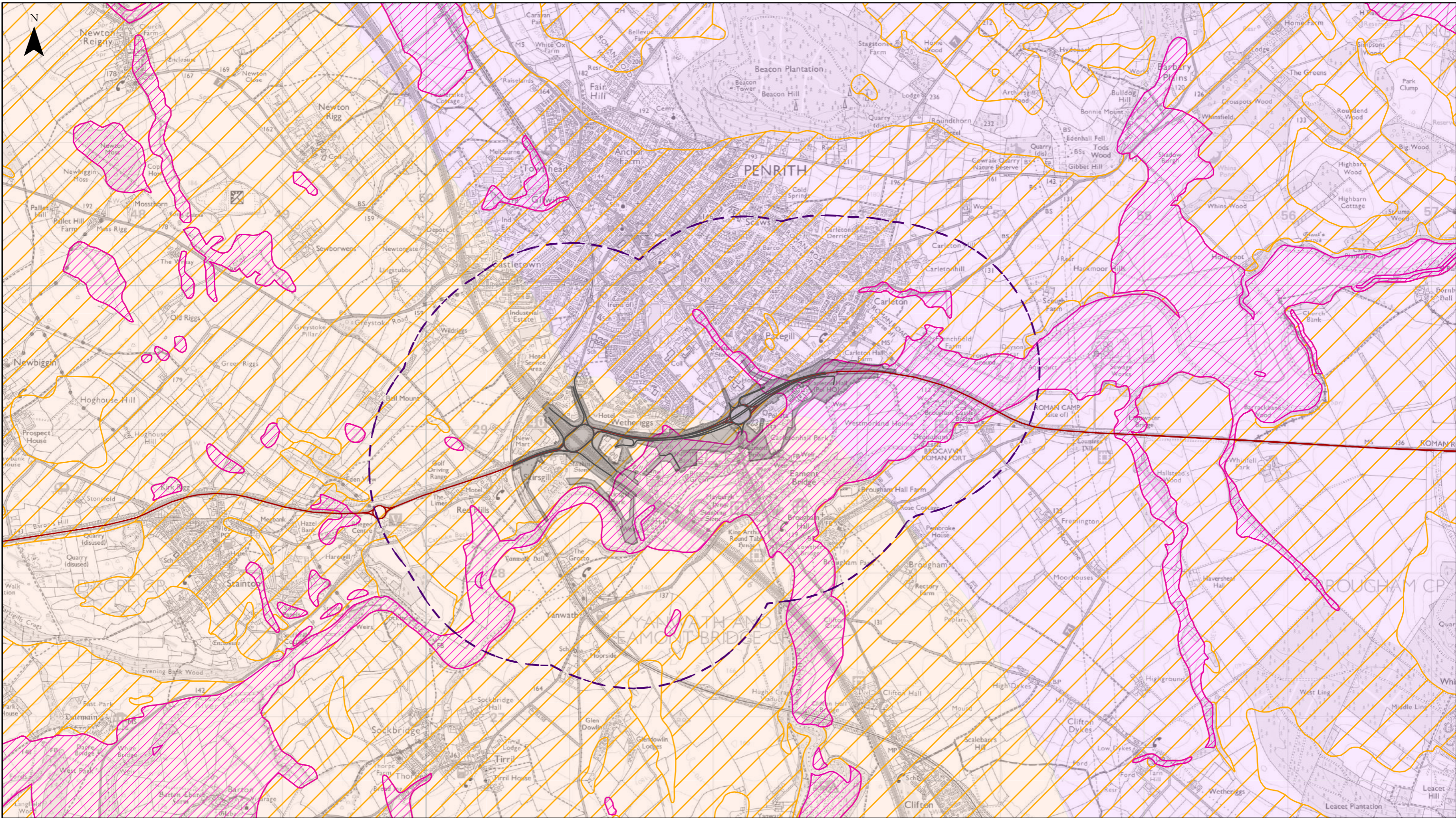
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**Project Name**  
A66 Northern Trans-Pennine

**Map Title**  
Figure 14.6  
Hydrogeological Study Areas and Features  
A1(M) Junction 53 Scotch Corner  
Sheet 15 of 15  
Scheme Centreline

Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00	-	MP - LD	- 011089
Location	Type	Role	Number

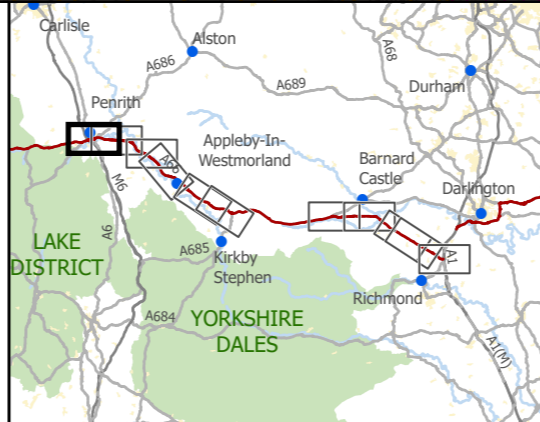
Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive



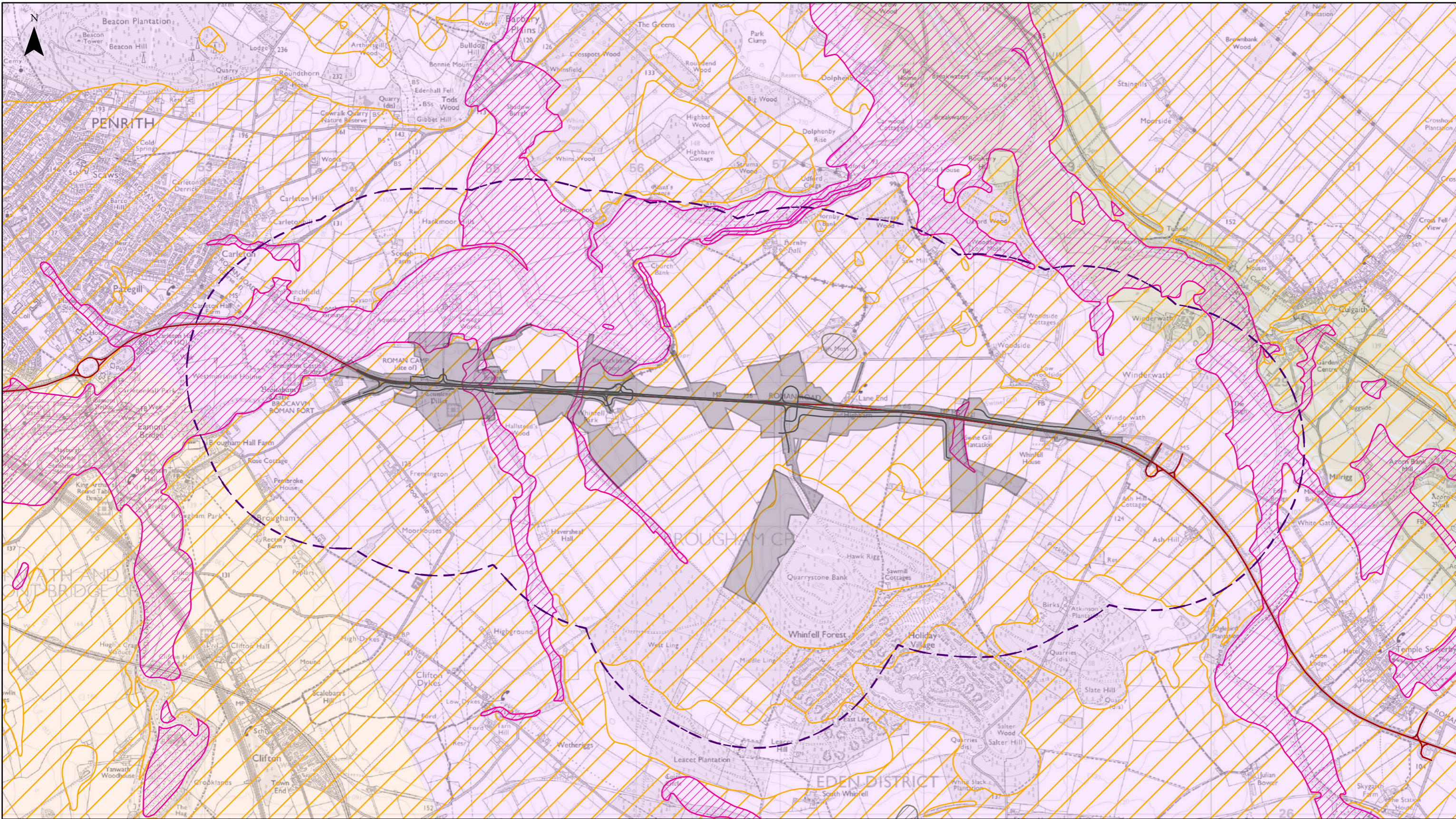
**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	14/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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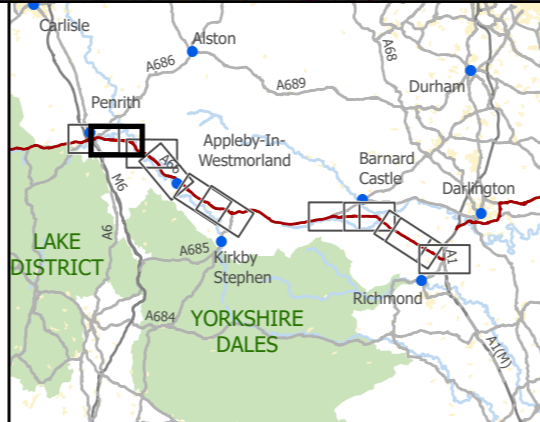
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.7			
Aquifer Designations			
Sheet 1 of 15			
M6 Junction 40 to Kemplay Bank			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011090
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme
- - - Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

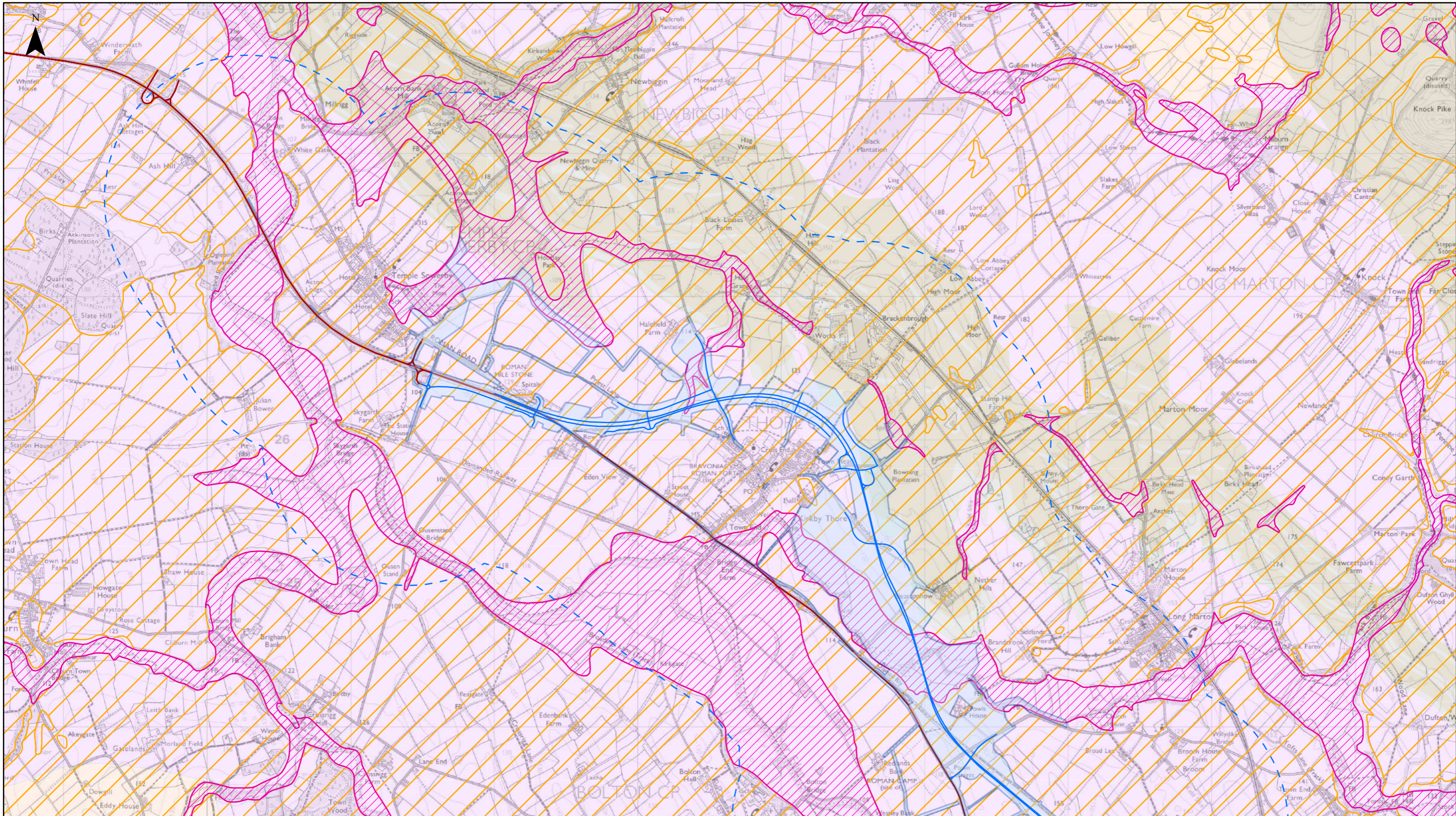
- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	14/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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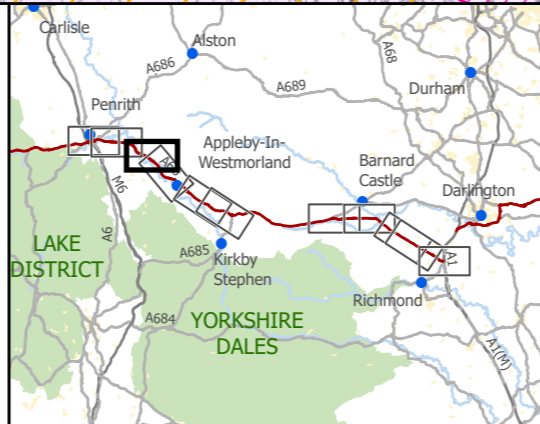
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.7			
Aquifer Designations			
Sheet 2 of 15			
Penrith to Temple Sowerby			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Location		Type	Role
S00		- MP - LD	- 011091
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive

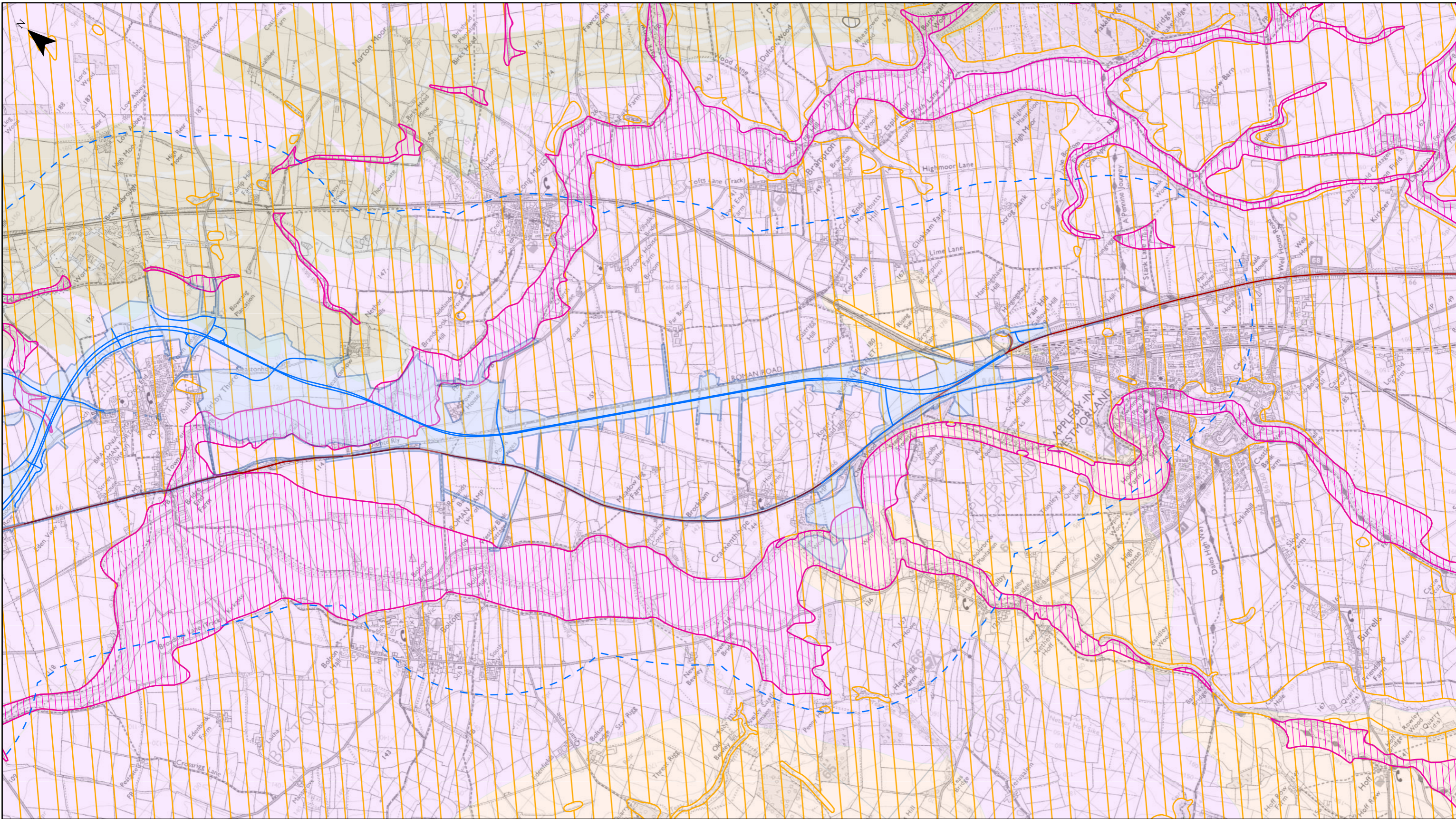


P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	14/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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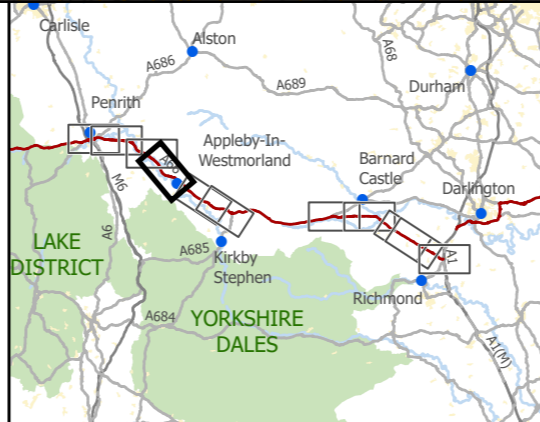
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 14.7</b>			
Aquifer Designations Sheet 3 of 15 Temple Sowerby to Appleby Blue Alternative			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
Location		Type	Role
S00		MP	LD
Location		Type	Role
S00		MP	LD
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive

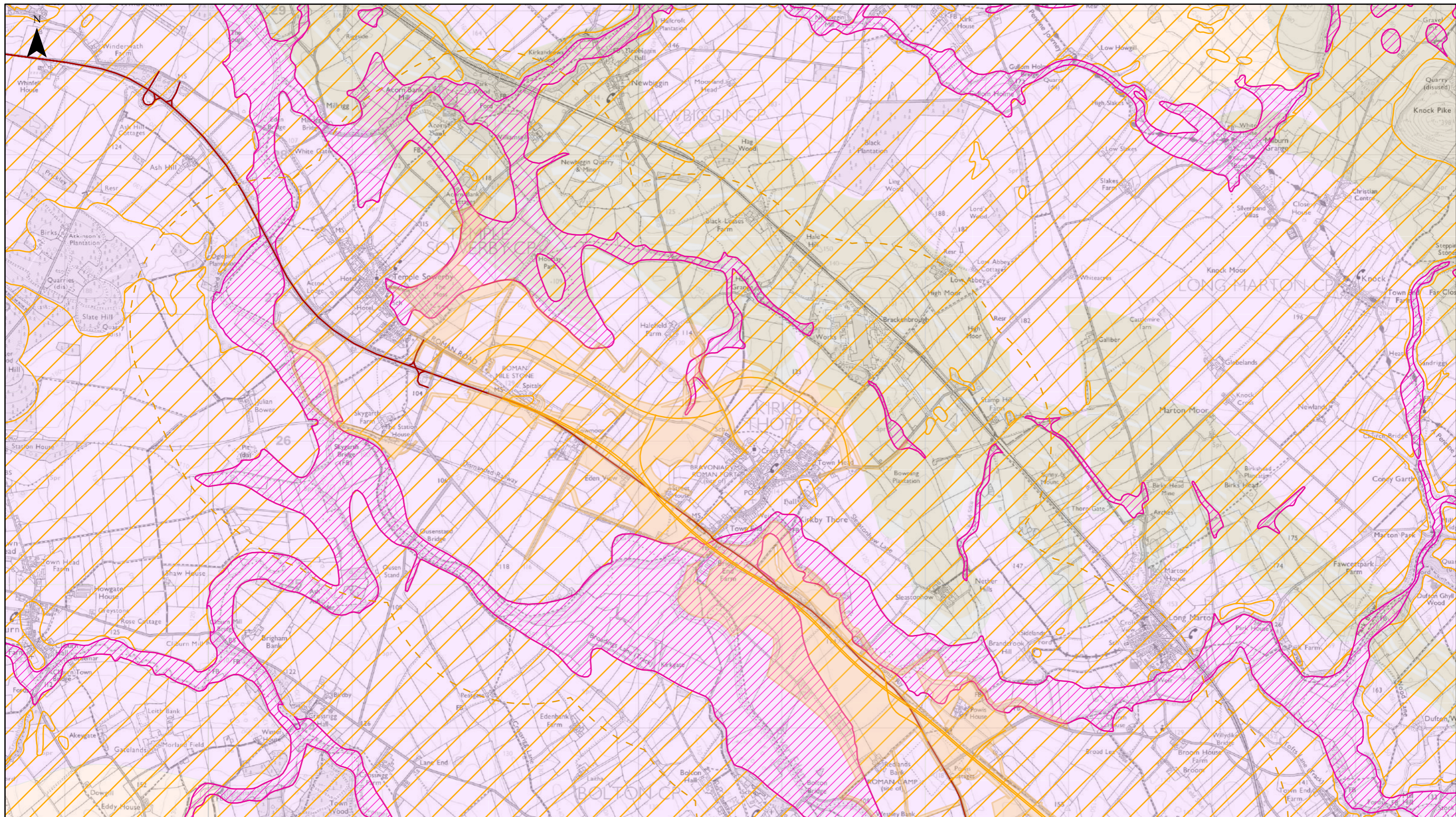


P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	14/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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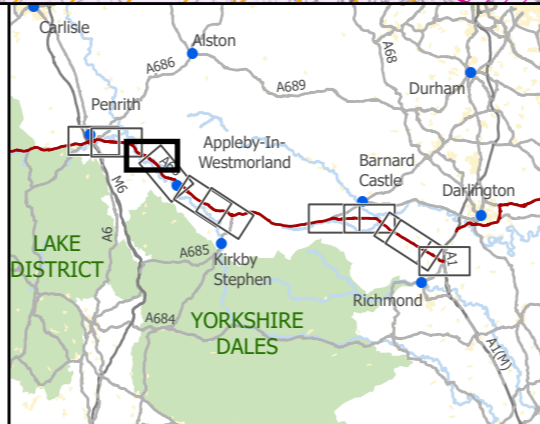
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.7			
Aquifer Designations Sheet 4 of 15			
Temple Sowerby to Appleby Blue Alternative			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00		- MP - LD - 011093	
Location		Type	Role   Number
S4		FIT FOR STAGE APPROVAL	
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Study Area 1km - Scheme Alignment
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive

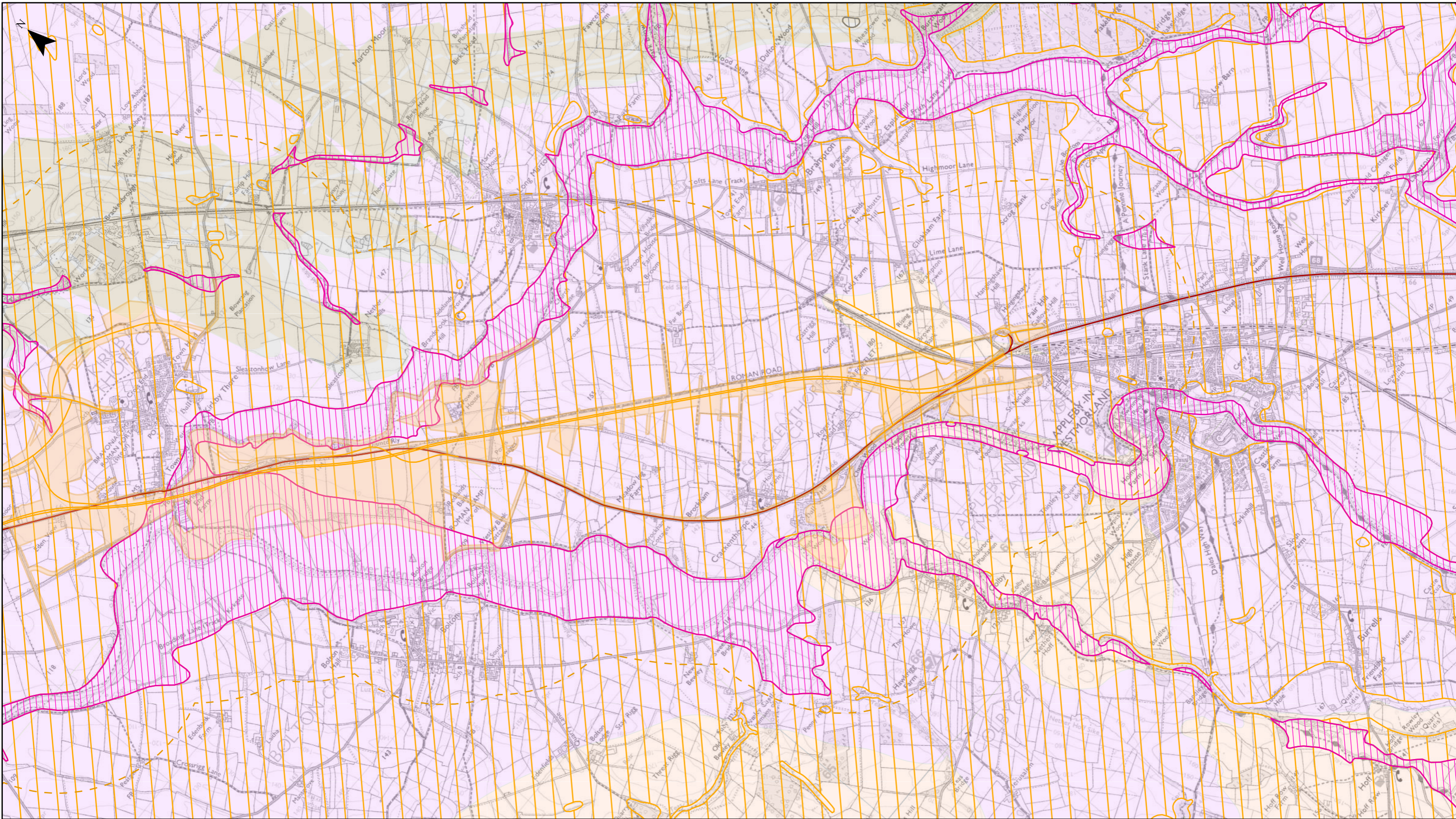


P01	First Issue				
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	14/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.7			
Aquifer Designations			
Sheet 5 of 15			
Temple Sowerby to Appleby			
Orange Alternative			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
Location		Type	Role
S00		- MP	- LD - 011094
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01

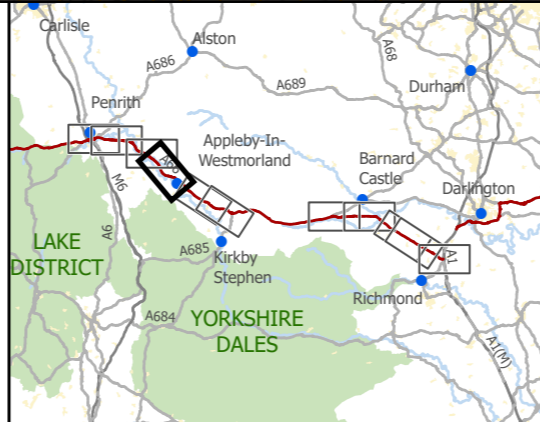




- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive

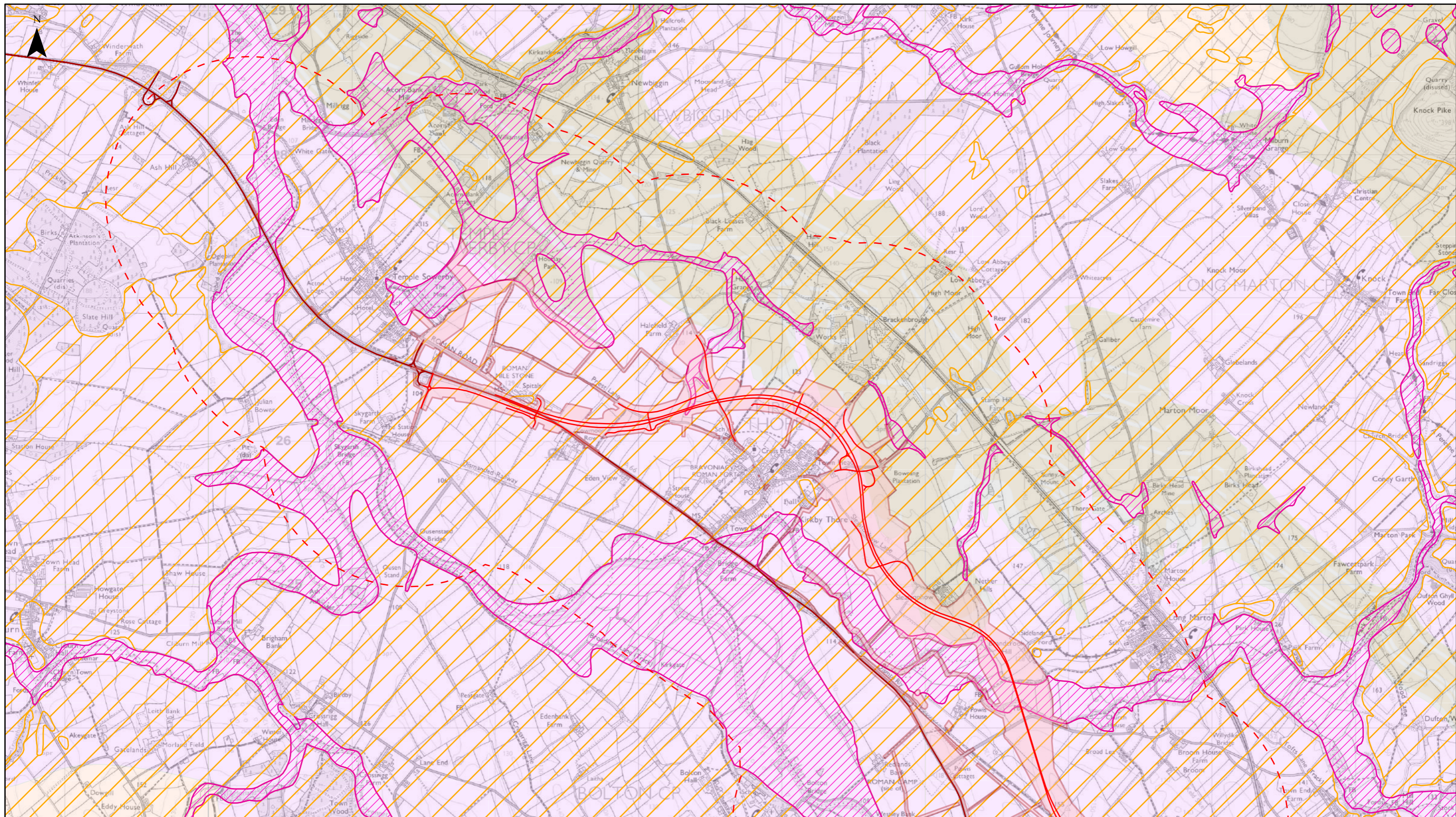


P01	First Issue				
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	14/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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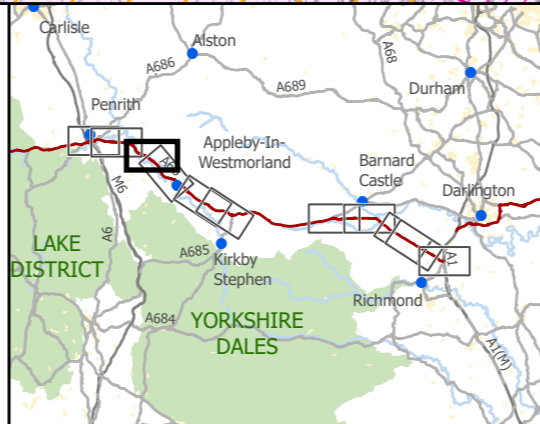
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.7			
Aquifer Designations			
Sheet 6 of 15			
Temple Sowerby to Appleby			
Orange Alternative			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00		- MP - LD - 011095	
Location		Type	Role
			Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive

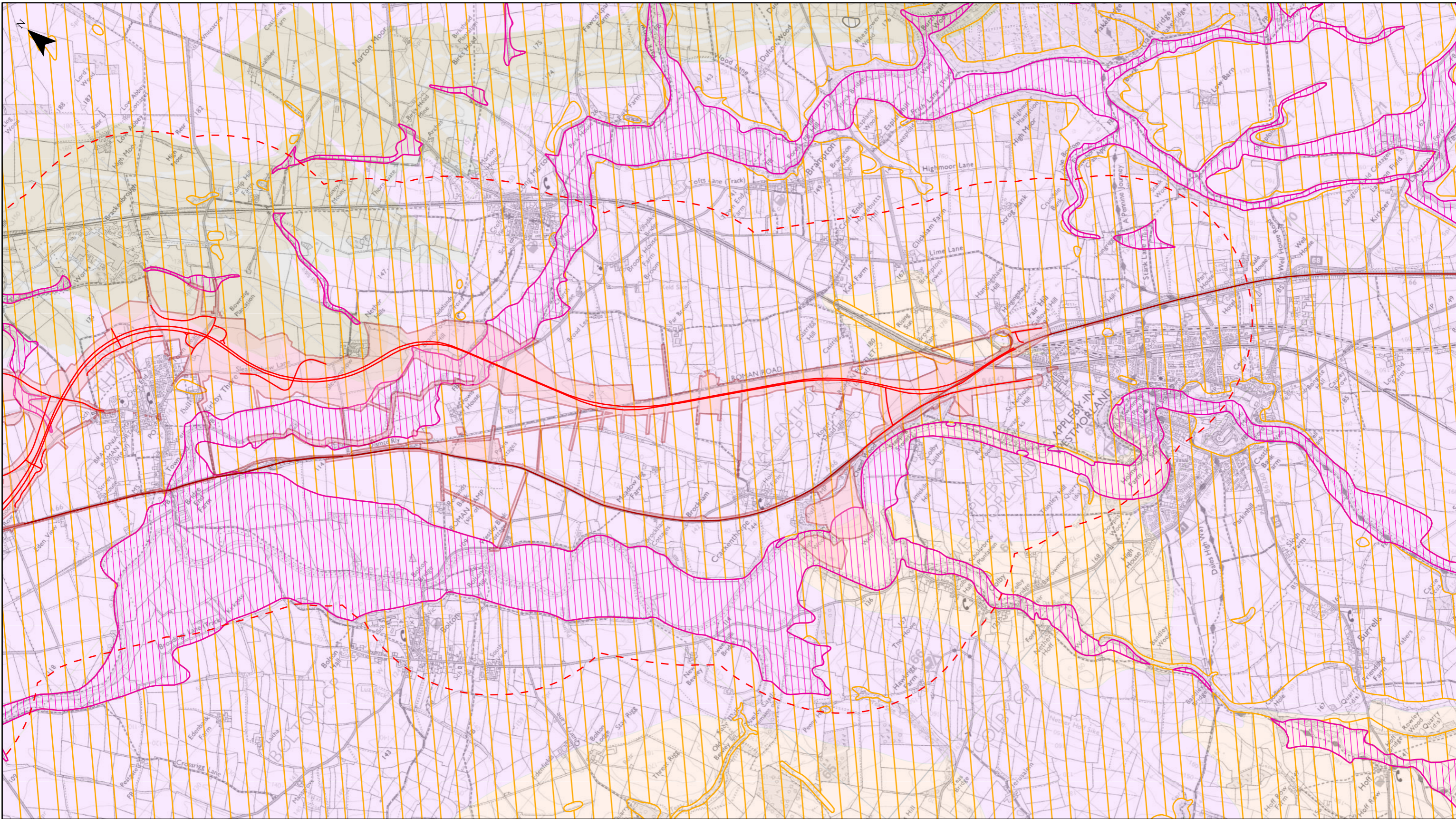


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	14/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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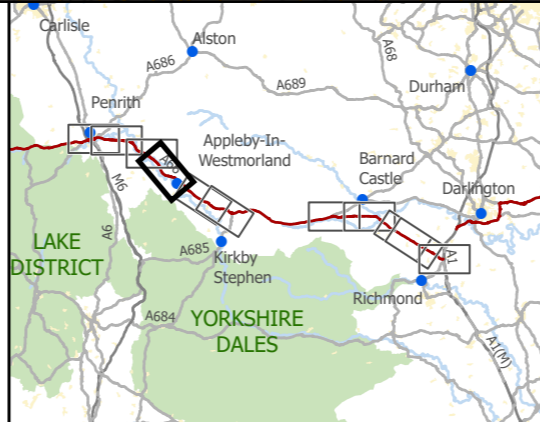
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.7			
Aquifer Designations Sheet 7 of 15 Temple Sowerby to Appleby Red Alternative			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
Location		Type	Role
S00		MP	LD
Location		Type	Role
S4		MP	LD
Suitability Description <b>FIT FOR STAGE APPROVAL</b>			Revision P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive



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P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	14/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

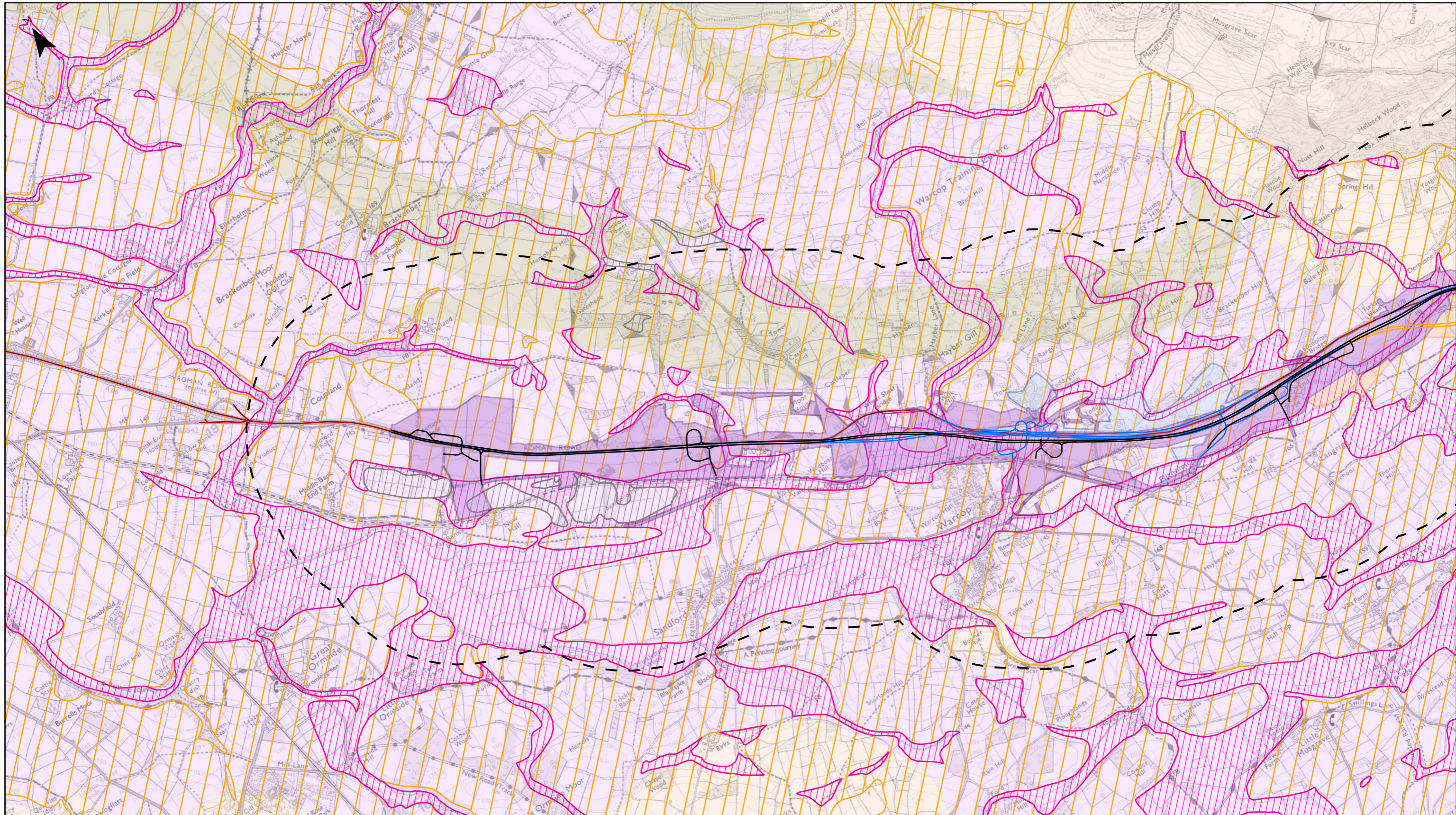
Kilometres

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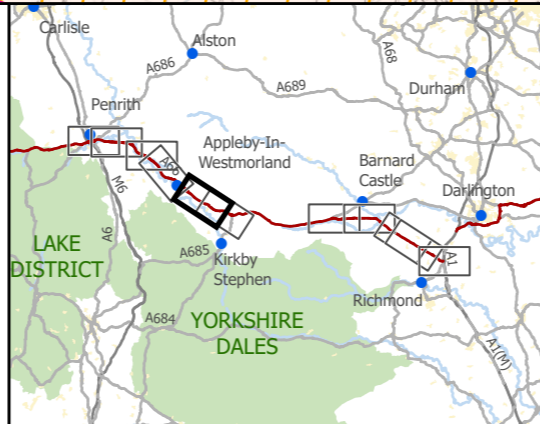
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Map Title Figure 14.7			
Aquifer Designations			
Sheet 8 of 15			
Temple Sowerby to Appleby			
Red Alternative			
Map Number	Originator	Volume	
HE565627	AMY	EWE	
S00	MP - LD	011097	
Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive



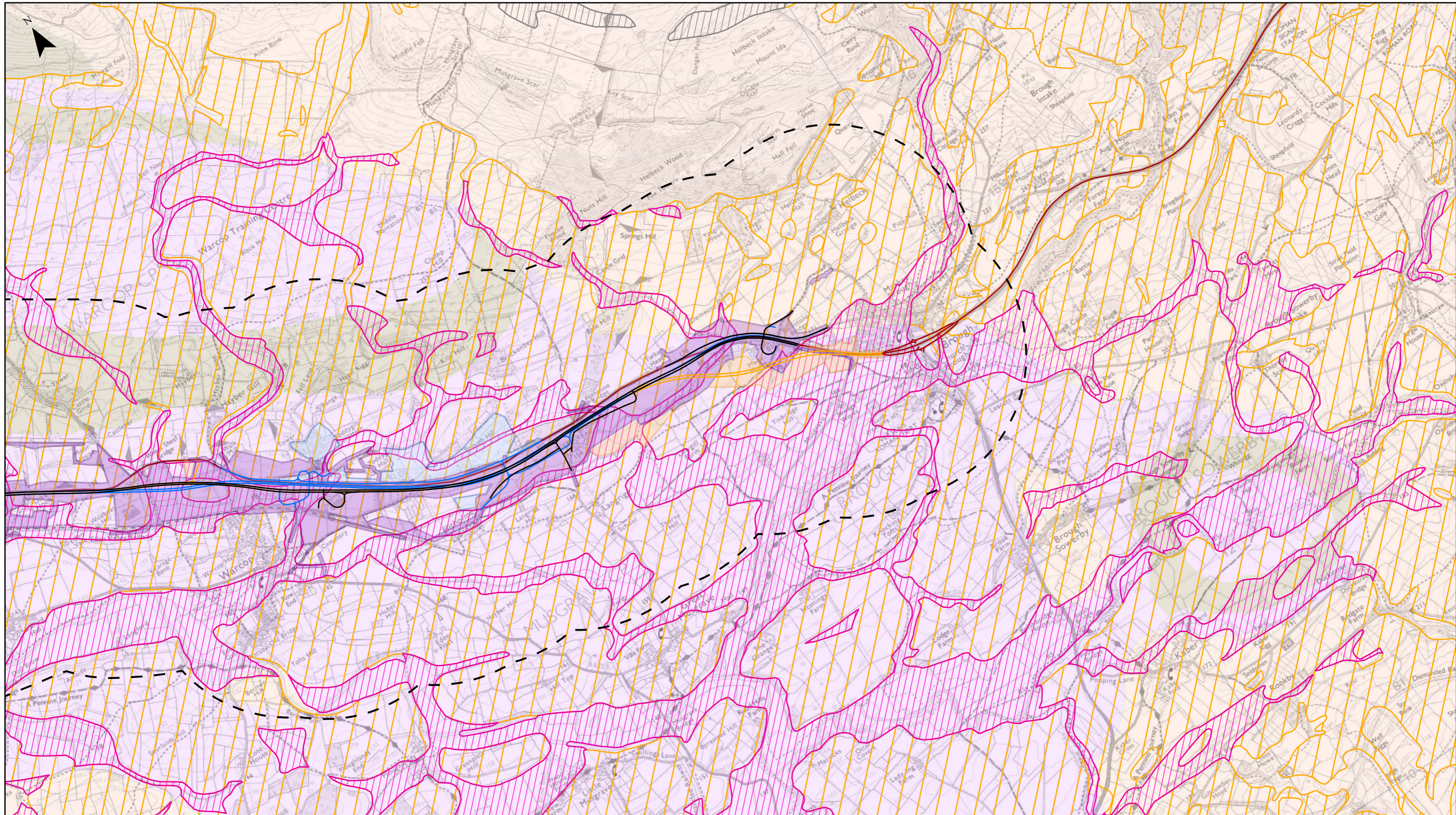
**highways england** **A66 NTP** Integrated Project Team

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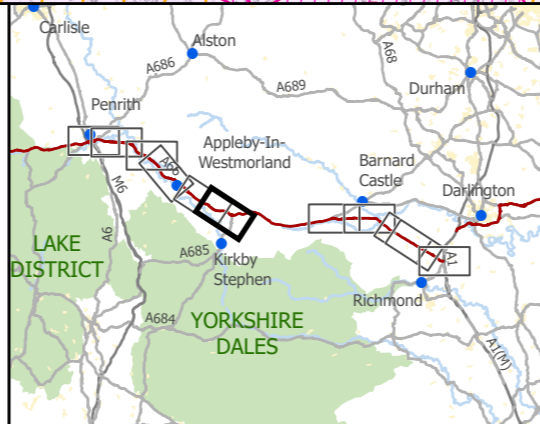
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Map Title Figure 14.7			
Aquifer Designations			
Sheet 9 of 15			
Appley to Brough			
All Alternatives			
Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP - LD	-
Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive



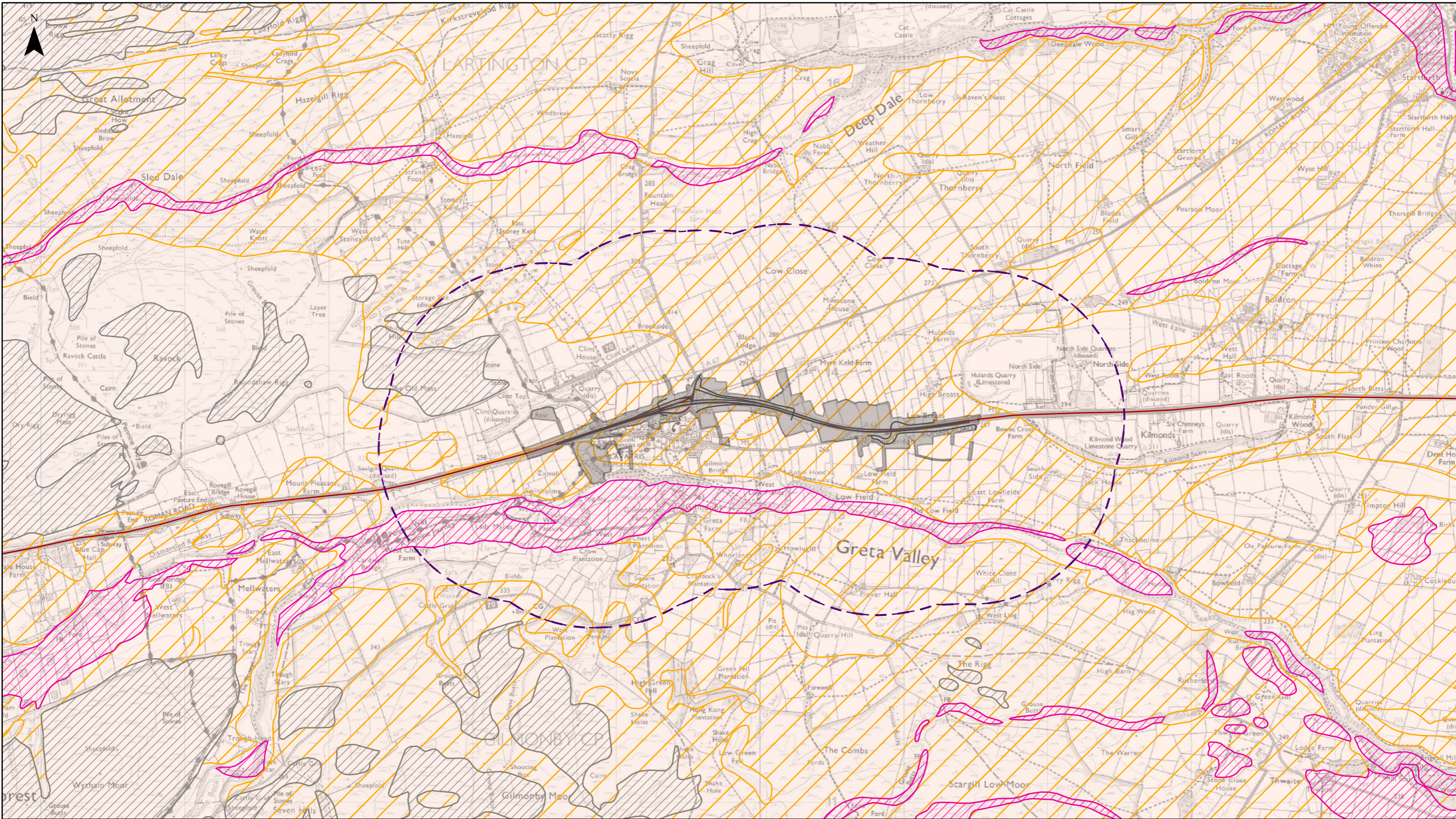
**highways england** **A66 NTP** Integrated Project Team

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Revision	Created	Checked	Reviewed	Approved	Authorised

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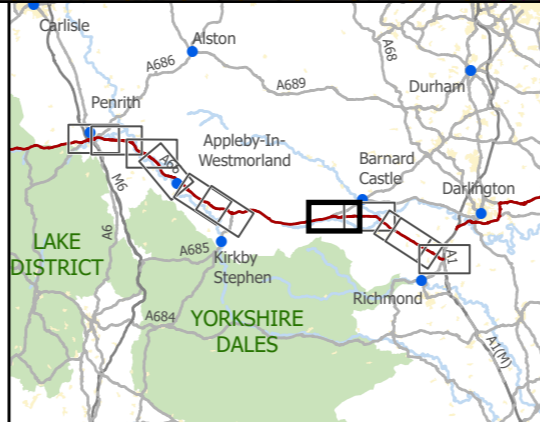
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Map Title Figure 14.7			
Aquifer Designations			
Sheet 10 of 15			
Appley to Brough			
All Alternatives			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- EWE
S00		MP - LD - 011099	
Location		Type	Role   Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive



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P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	14/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name  
**A66 Northern Trans-Pennine**

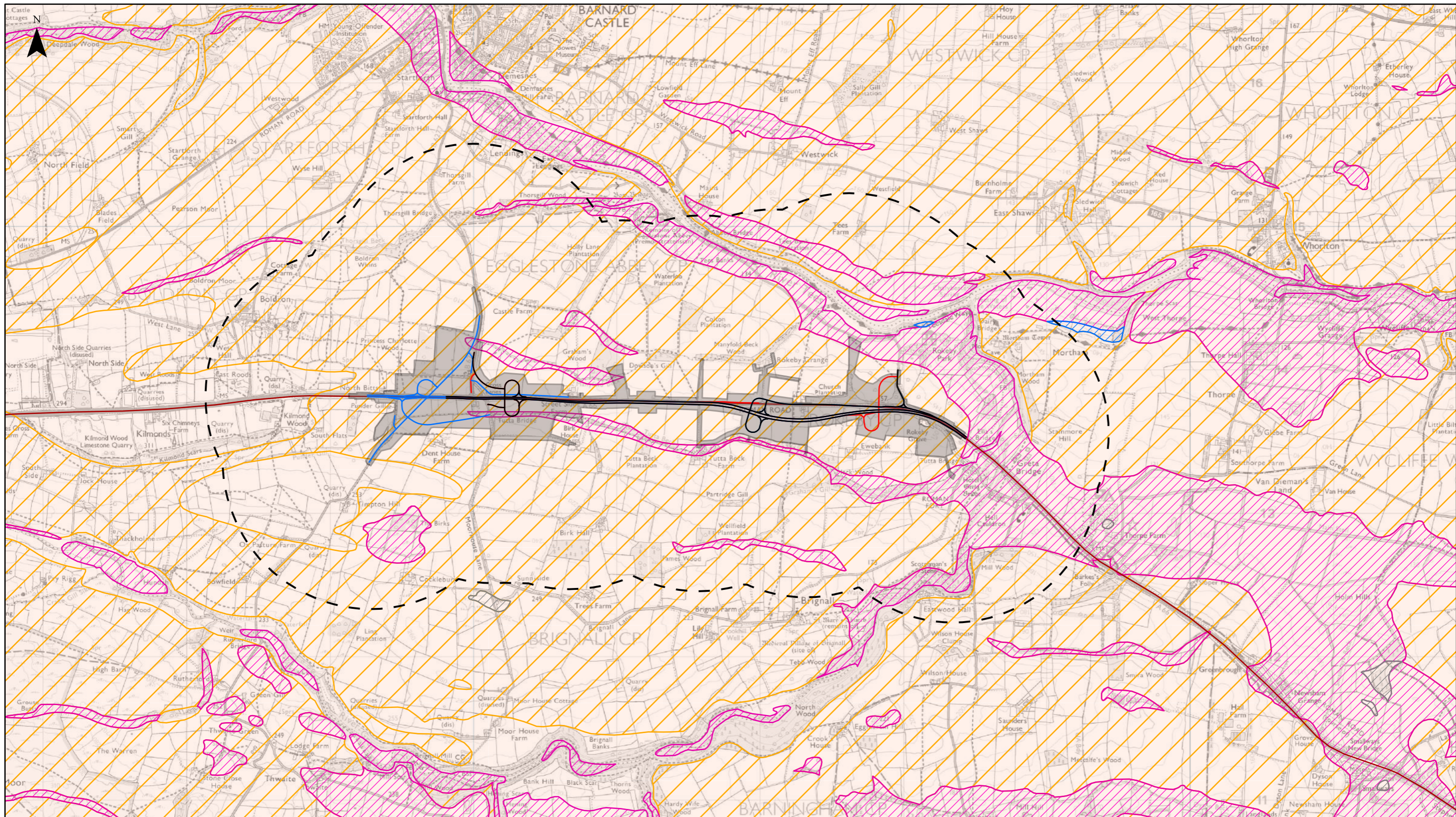
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**Figure 14.7**

Aquifer Designations  
Sheet 11 of 15

Bowes Bypass  
Scheme Centreline

Map Number	Project	Originator	Volume
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S00	-	MP - LD	- 011100
Location	Type	Role	Number

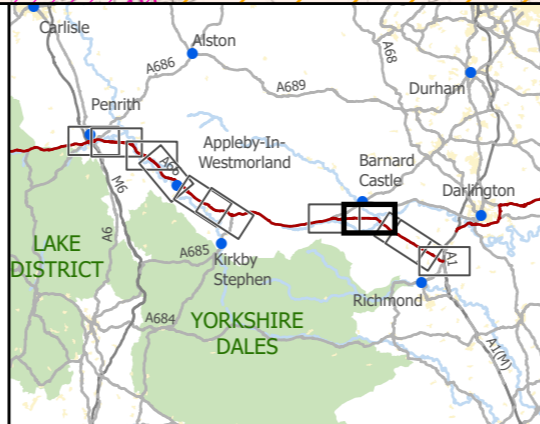
Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme
- - - Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive



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P01	First Issue				
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Revision	Created	Checked	Reviewed	Approved	Authorised

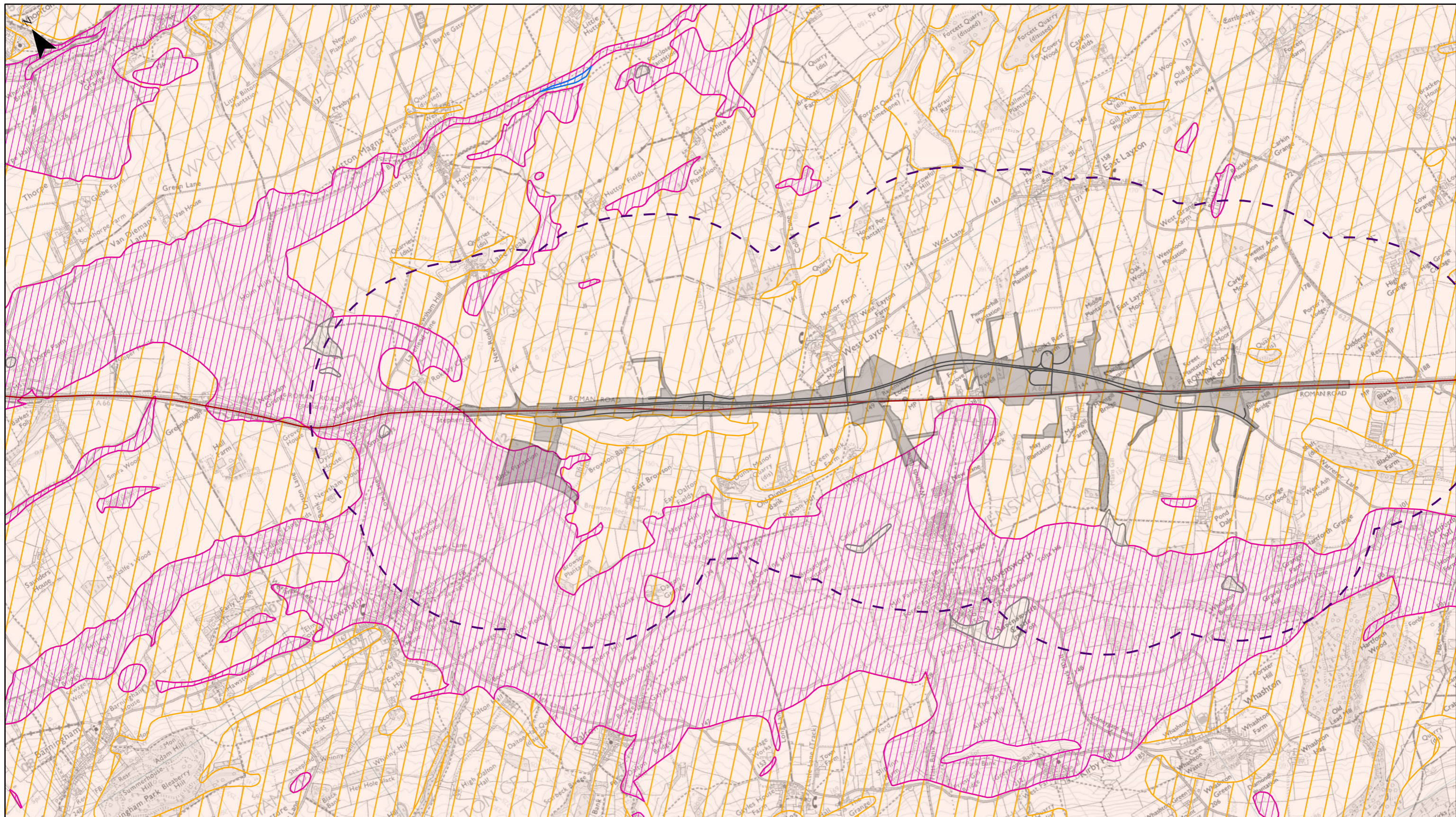
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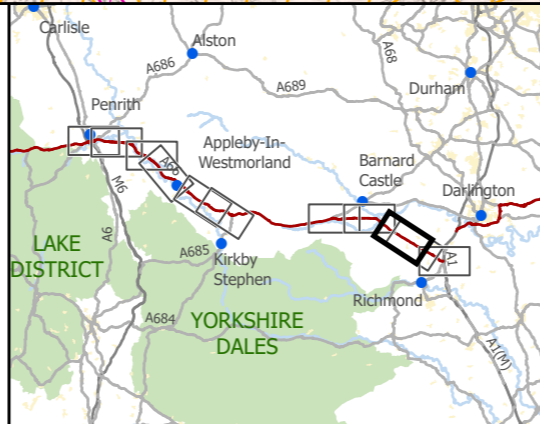
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Map Title Figure 14.7			
Aquifer Designations			
Sheet 12 of 15			
Cross Lanes to Rokeby			
All Alternatives			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD - 011101	
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive



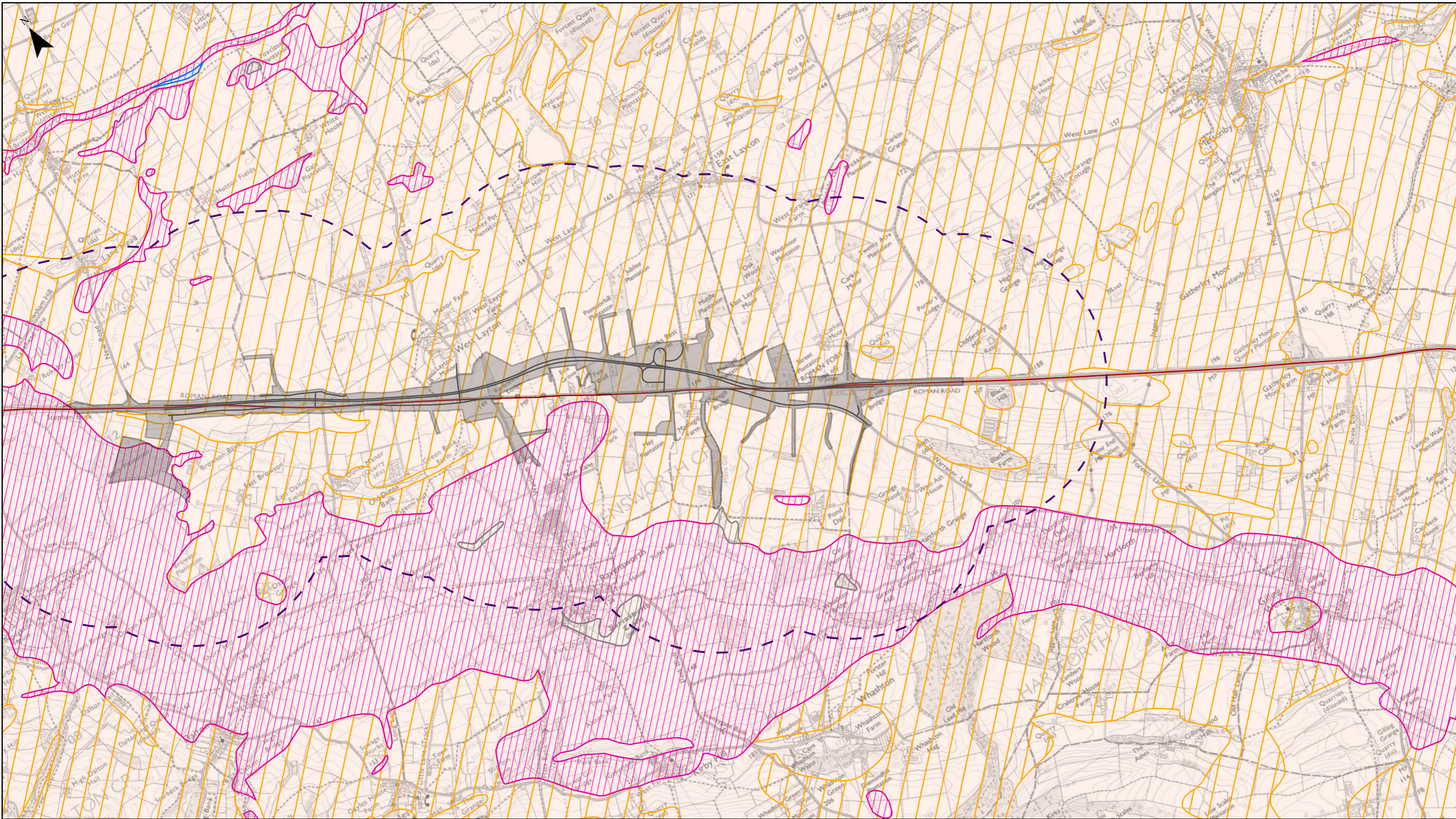
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Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.7			
Aquifer Designations			
Sheet 13 of 15			
Stephen Bank to Carkin Moor			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
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Suitability	Suitability Description	Revision	
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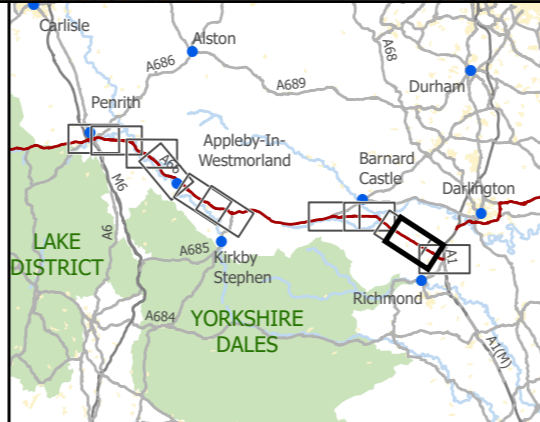




- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive

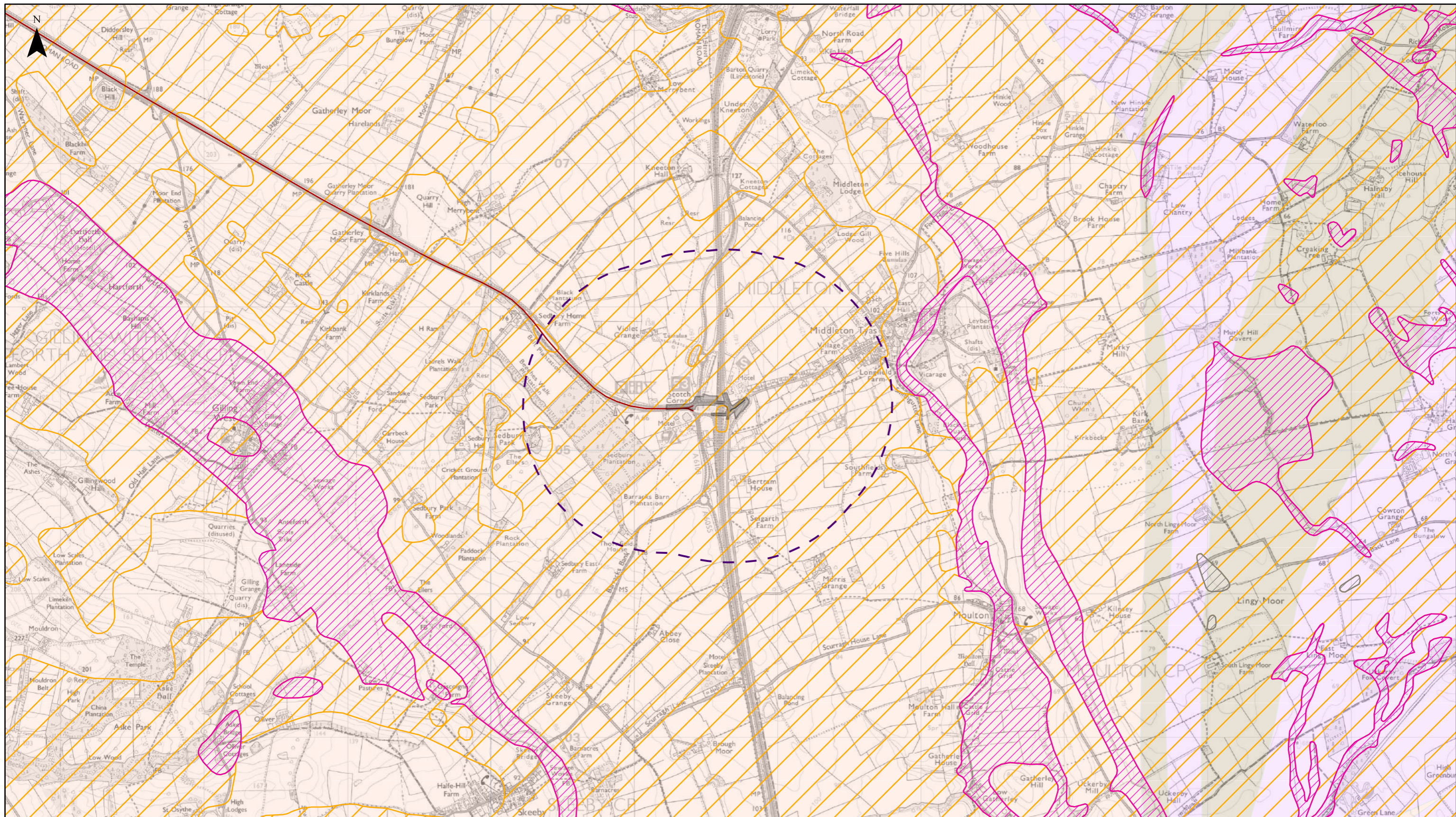


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Revision	Created	Checked	Reviewed	Approved	Authorised

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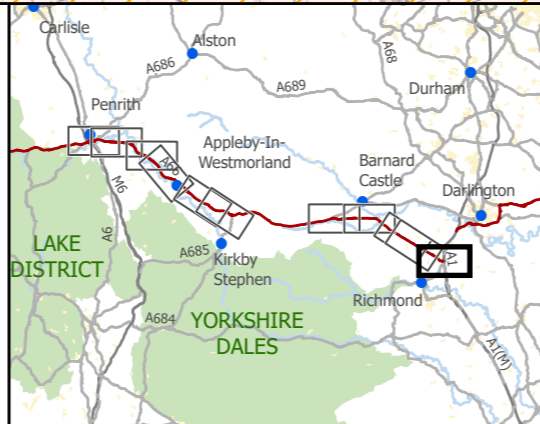
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.7			
Aquifer Designations			
Sheet 14 of 15			
Stephen Bank to Carkin Moor			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
		MP - LD	011103
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- - - Study Area 1km - Combined Scheme
- - - Draft DCO Boundaries
- - - Study Area 1km - Scheme Alignment
- - - Study Area 1km - Blue Alternative
- - - Study Area 1km - Orange Alternative
- - - Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Aquifer Designation - Superficial Deposits**
- Secondary (undifferentiated)
  - Secondary A
  - Unknown (lakes+landslip)
  - Unproductive

- Aquifer Designation - Bedrock**
- Principal
  - Secondary (undifferentiated)
  - Secondary A
  - Secondary B
  - Unproductive



P01	First Issue				
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.7			
Aquifer Designations			
Sheet 15 of 15			
A1(M) Junction 53 Scotch Corner			
Scheme Centreline			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
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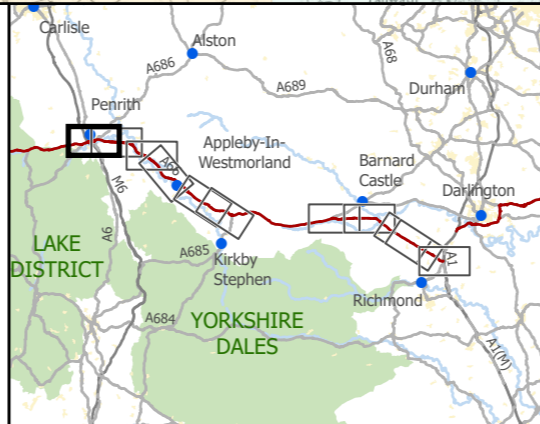
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- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Areas Susceptible to Groundwater Flooding**

- Clearwater
- Clearwater and Superficial Deposits Flooding
- Superficial Deposits Flooding



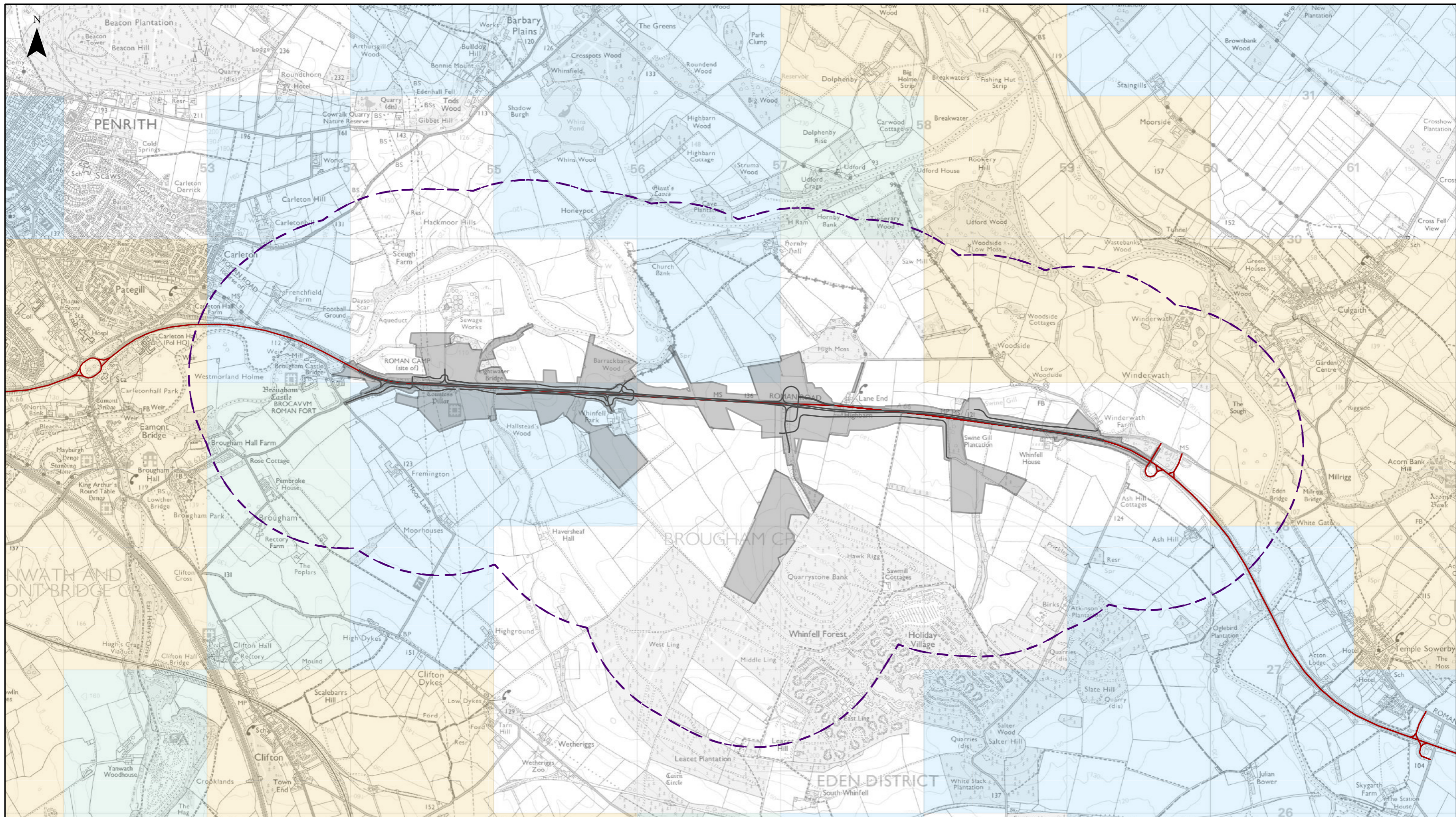
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 14.8**  
 Groundwater Flooding Susceptibility  
 Sheet 1 of 15  
 M6 Junction 40 to Kemplay Bank  
 Black Route

Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
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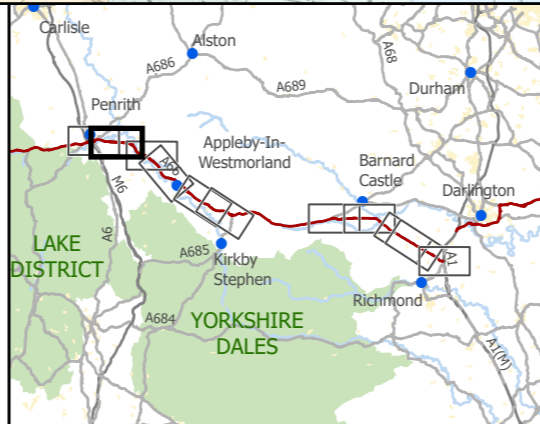
- Scheme Centreline
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- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Areas Susceptible to Groundwater Flooding**

- Clearwater
- Clearwater and Superficial Deposits Flooding
- Superficial Deposits Flooding



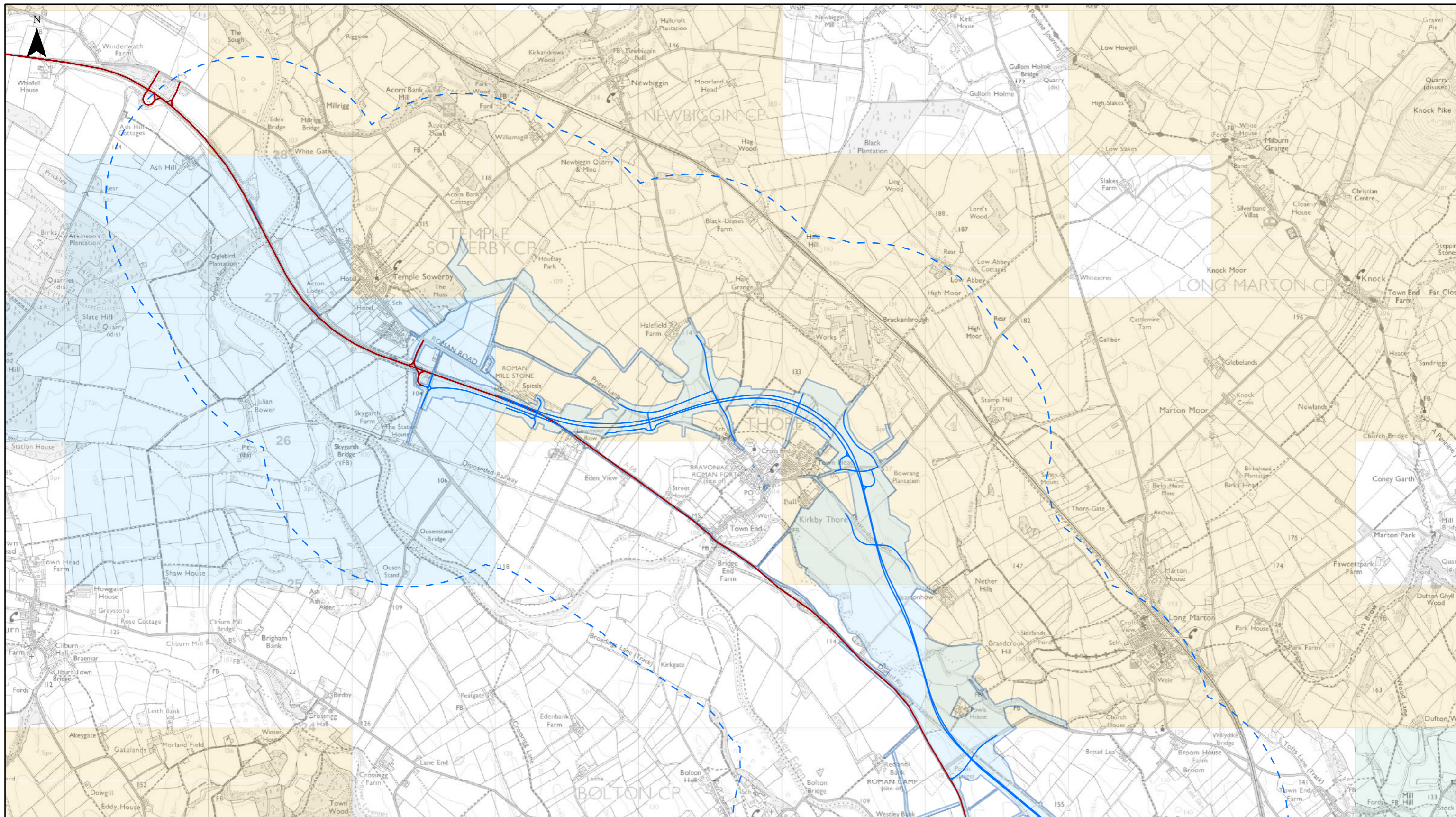
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Project Name  
**A66 Northern Trans-Pennine**

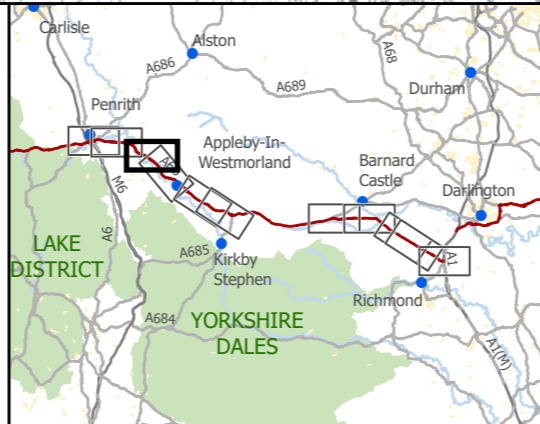
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 Figure 14.8  
 Groundwater Flooding Susceptibility  
 Sheet 2 of 15  
 Penrith to Temple Sowerby  
 Black Route



Map Number	Project	Originator	Volume
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Location	Type	Role	Number
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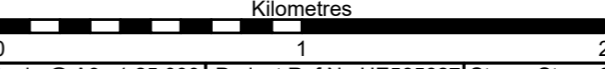
- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Areas Susceptible to Groundwater Flooding**
- Clearwater
  - Clearwater and Superficial Deposits Flooding
  - Superficial Deposits Flooding



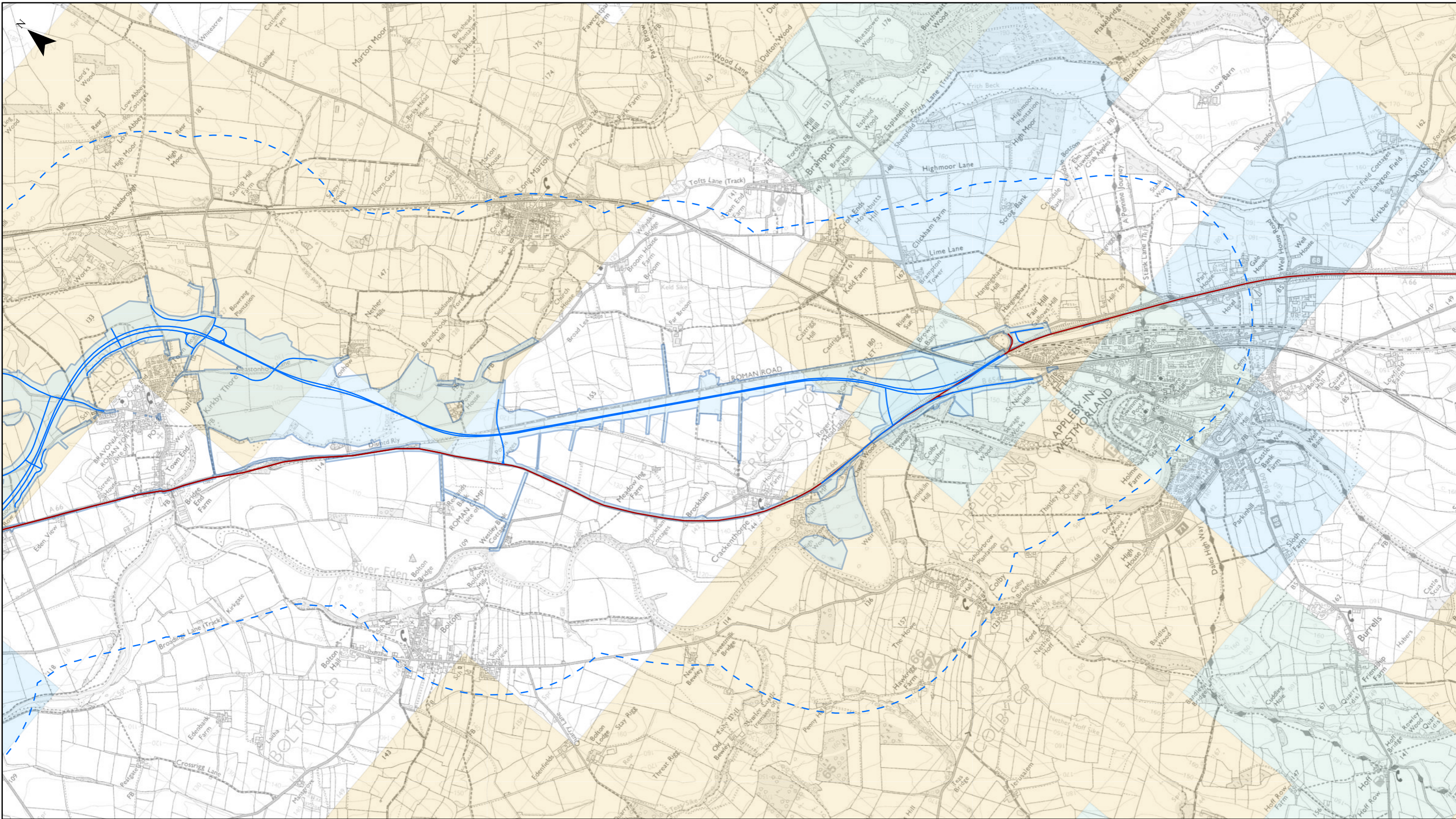
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	14/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



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

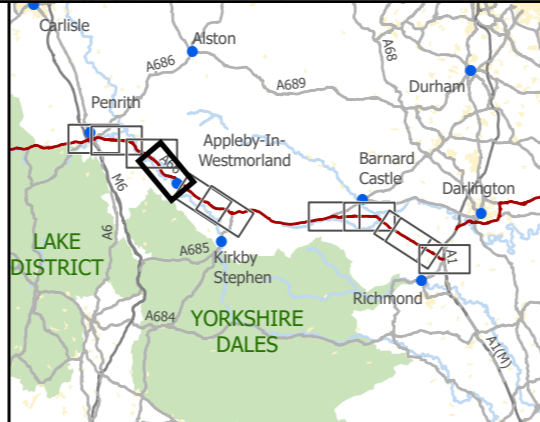
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.8 Groundwater Flooding Susceptibility Sheet 3 of 15 Temple Sowerby to Appleyby Blue Alternative			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
Location		Type	Role
S00		MP	LD
Location		Type	Role
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Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



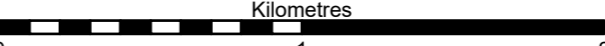
- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Areas Susceptible to Groundwater Flooding**
- Clearwater
  - Clearwater and Superficial Deposits Flooding
  - Superficial Deposits Flooding



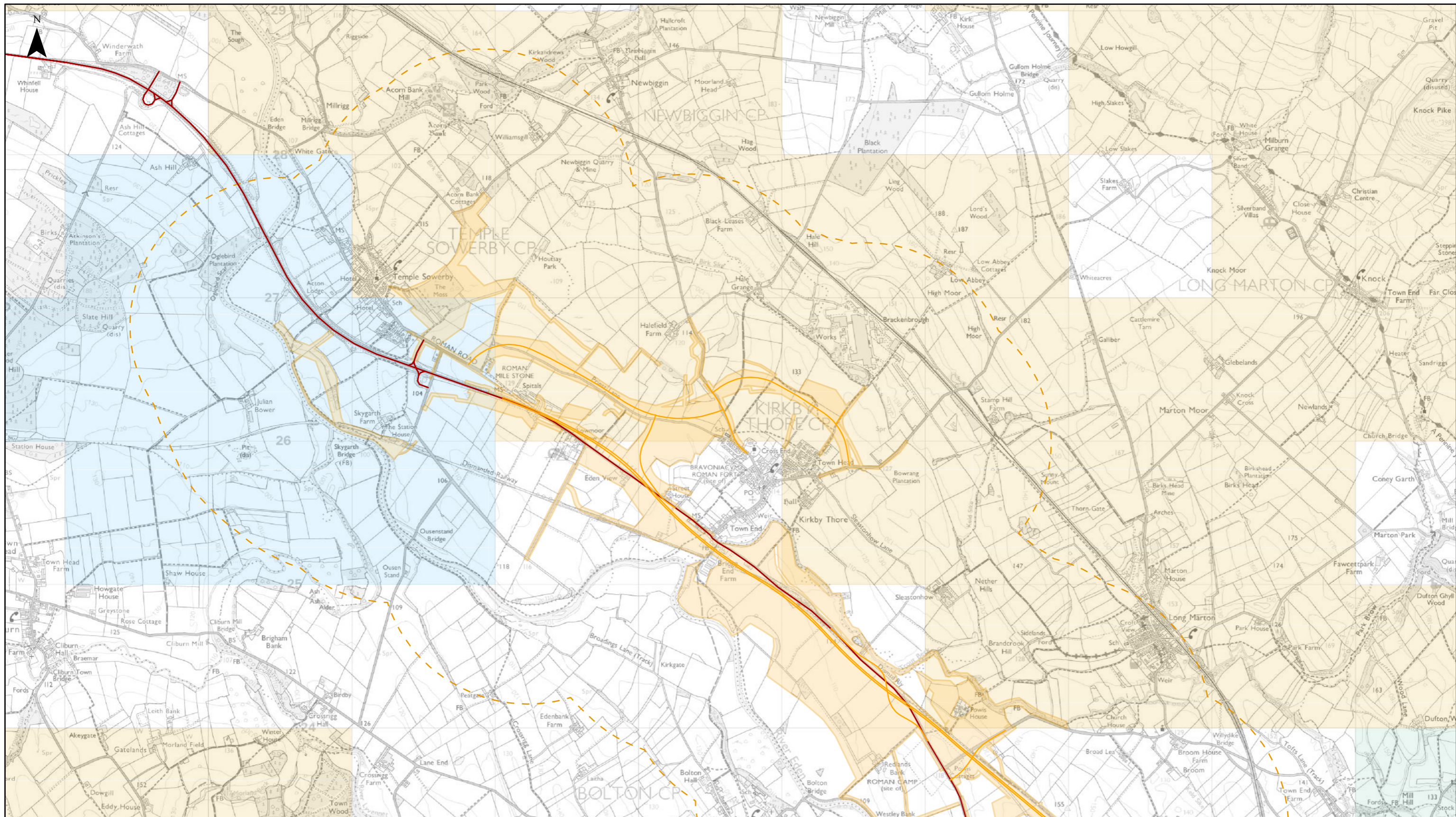
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Revision	Created	Checked	Reviewed	Approved	Authorised



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

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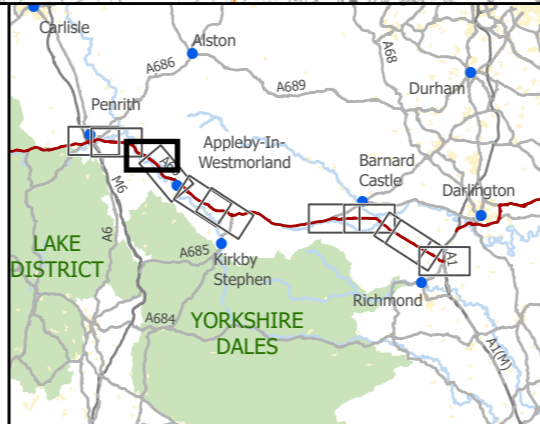
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Map Title Figure 14.8 Groundwater Flooding Susceptibility Sheet 4 of 15 Temple Sowerby to Appleby Blue Alternative			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
Location S00		Type	Role
MP - LD - 011108			Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

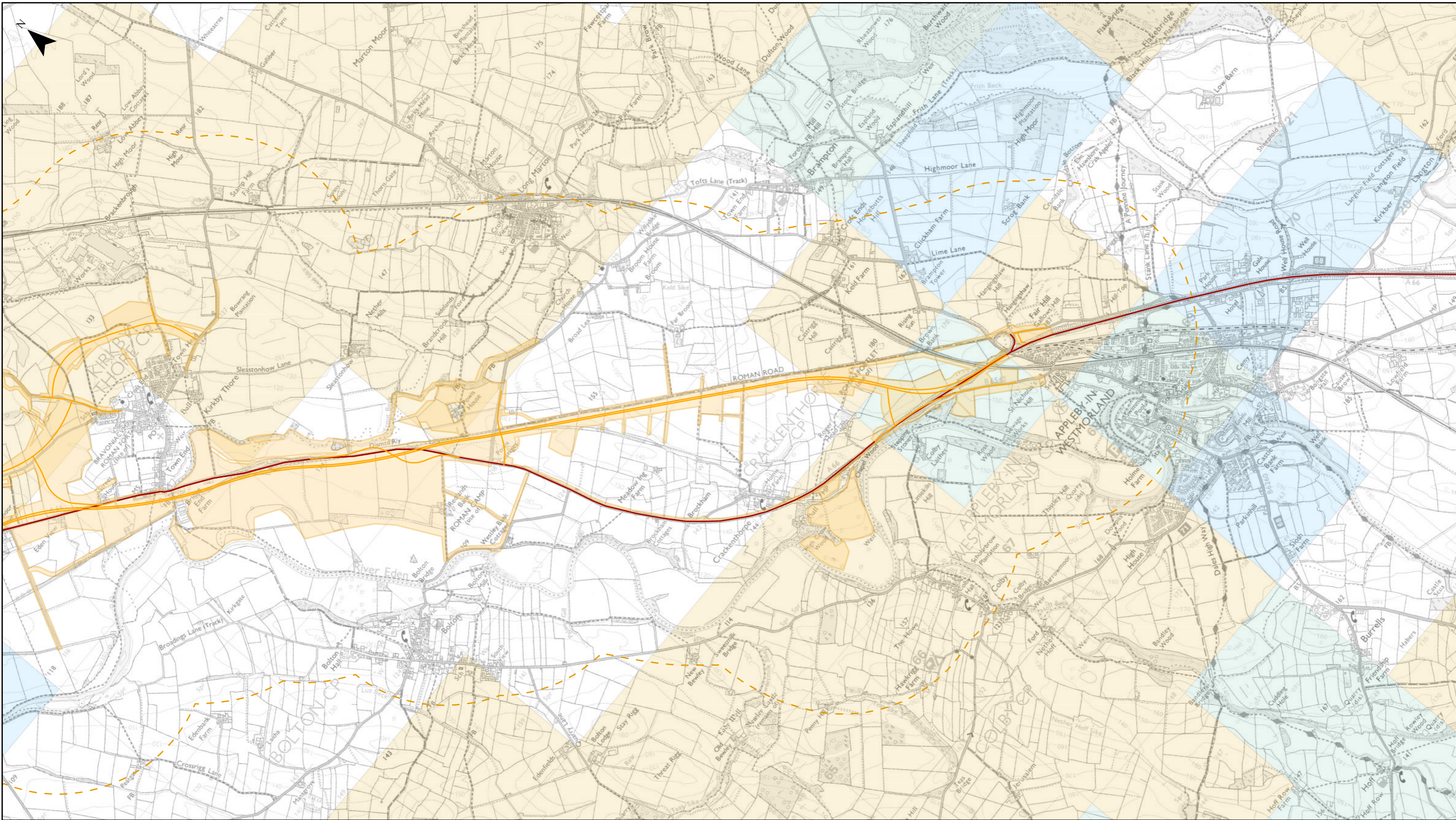
- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Areas Susceptible to Groundwater Flooding**
- Clearwater
- Clearwater and Superficial Deposits Flooding
- Superficial Deposits Flooding



P01	First Issue				
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Revision	Created	Checked	Reviewed	Approved	Authorised

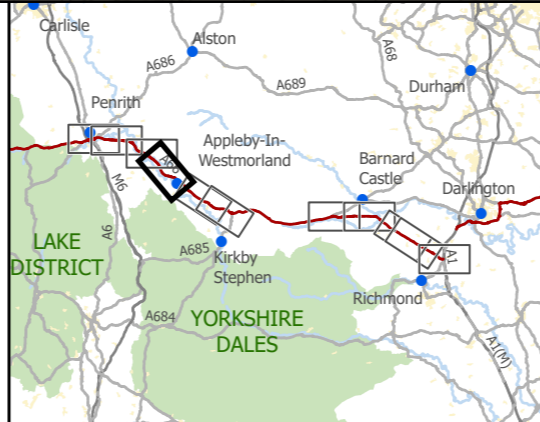
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.8 Groundwater Flooding Susceptibility Sheet 5 of 15 Temple Sowerby to Appleyby Orange Alternative			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
Location		Type	Role
S00		MP	LD
Location		Type	Role
S4		FIT FOR STAGE APPROVAL	
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Areas Susceptible to Groundwater Flooding**
- Clearwater
  - Clearwater and Superficial Deposits Flooding
  - Superficial Deposits Flooding



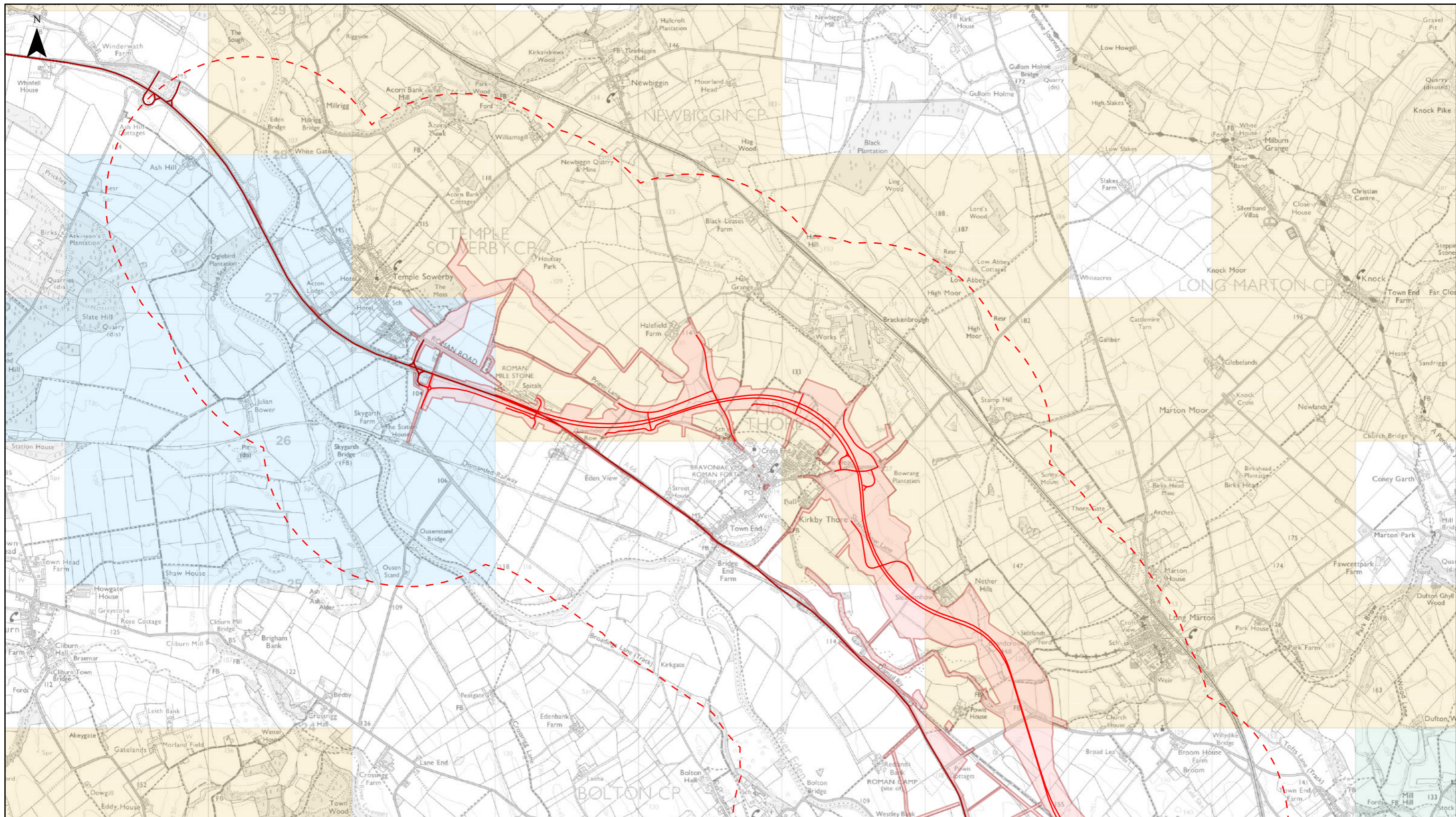
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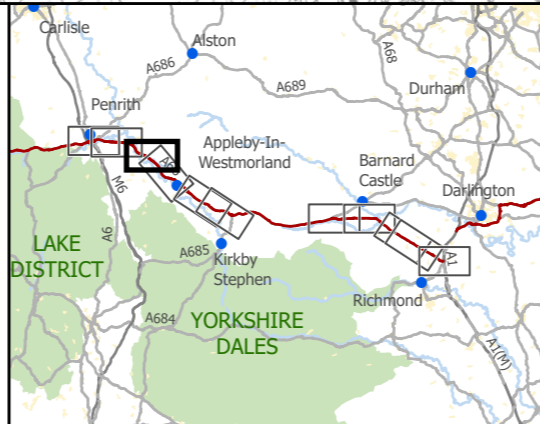
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.8 Groundwater Flooding Susceptibility Sheet 6 of 15 Temple Sowerby to Appleby Orange Alternative			
Map Number Project	Originator	Volume	
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Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01







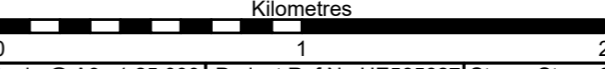
- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Areas Susceptible to Groundwater Flooding**
- Clearwater
  - Clearwater and Superficial Deposits Flooding
  - Superficial Deposits Flooding



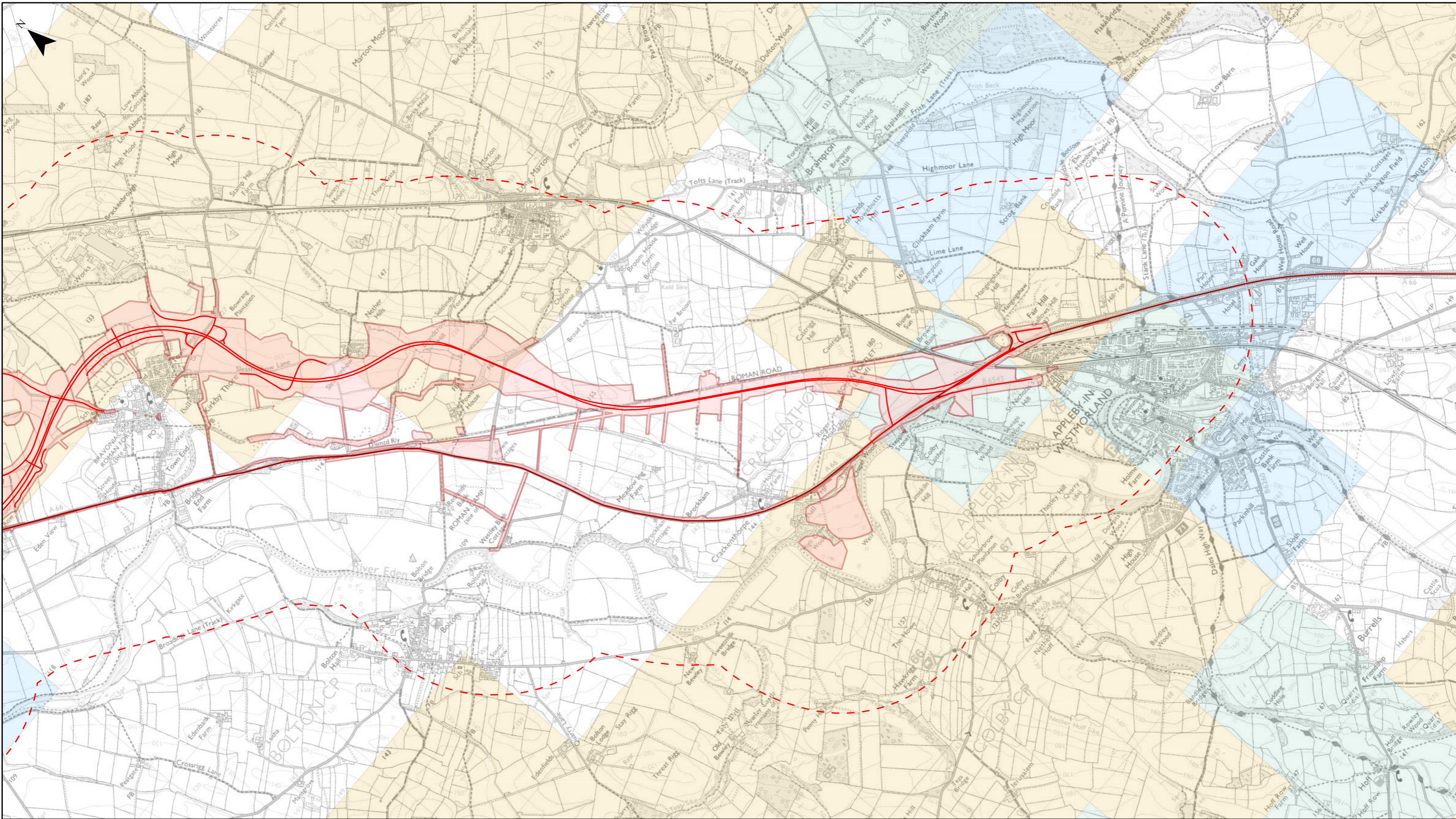
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Revision	Created	Checked	Reviewed	Approved	Authorised



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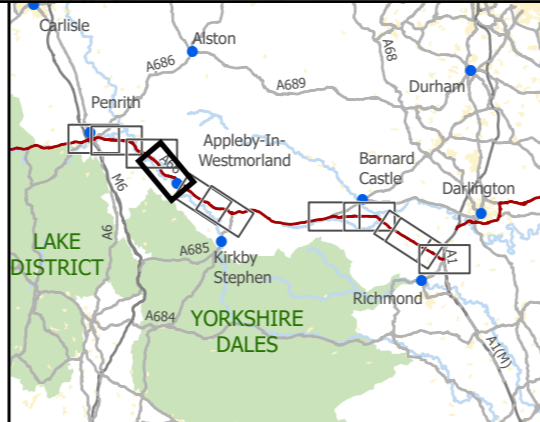
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.8 Groundwater Flooding Susceptibility Sheet 7 of 15 Temple Sowerby to Appleby Red Alternative			
Map Number Project	Originator	Volume	
HE565627	AMY	EWE	
Location S00		Type	Role
MP - LD - 011111			Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Areas Susceptible to Groundwater Flooding**
- Clearwater
  - Clearwater and Superficial Deposits Flooding
  - Superficial Deposits Flooding

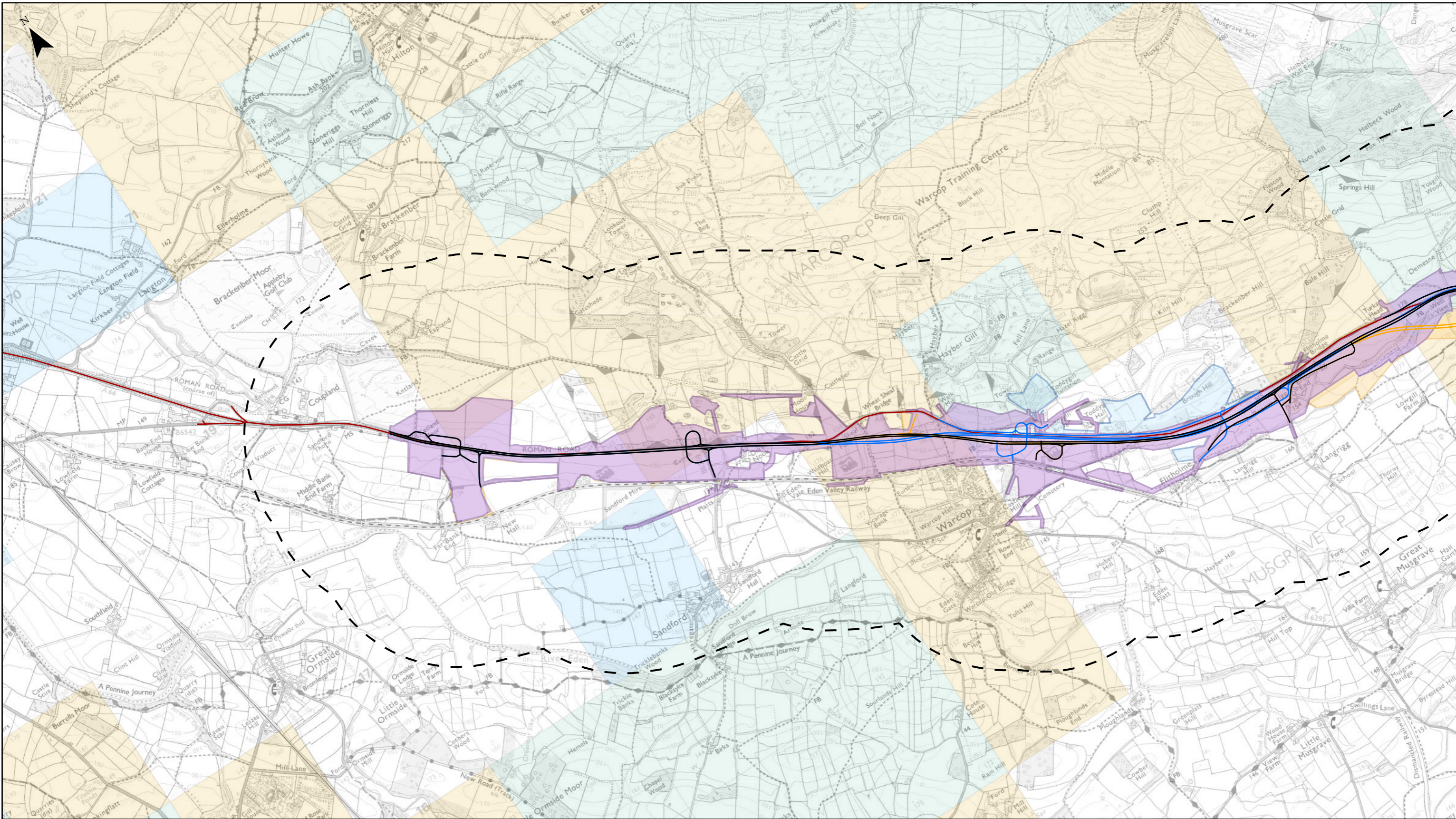


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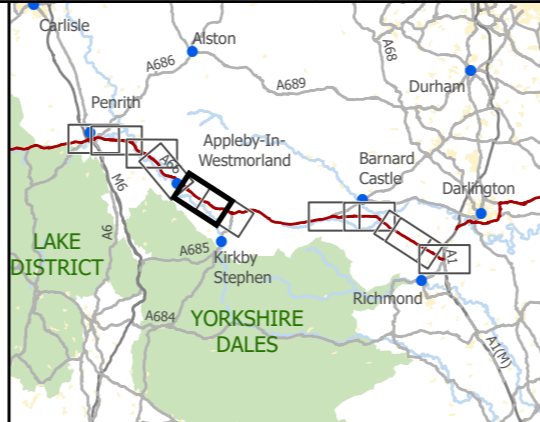
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.8 Groundwater Flooding Susceptibility Sheet 8 of 15 Temple Sowerby to Appley Red Alternative			
Map Number Project	Originator	Volume	
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MP - LD - 011112			Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



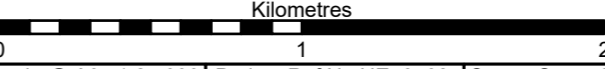
- Scheme Centreline
- Balck Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Areas Susceptible to Groundwater Flooding**
- Clearwater
  - Clearwater and Superficial Deposits Flooding
  - Superficial Deposits Flooding



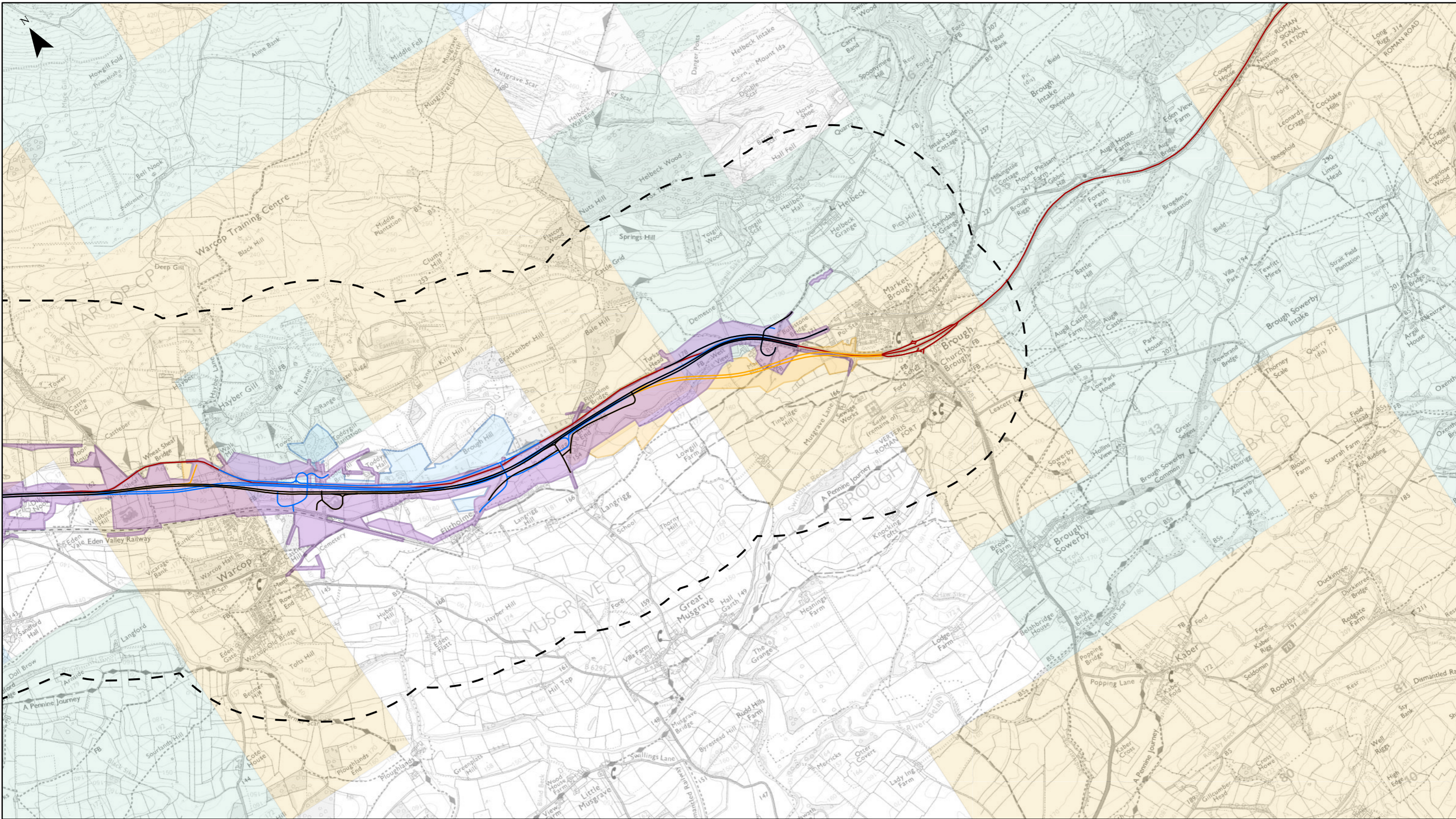
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Revision	Created	Checked	Reviewed	Approved	Authorised



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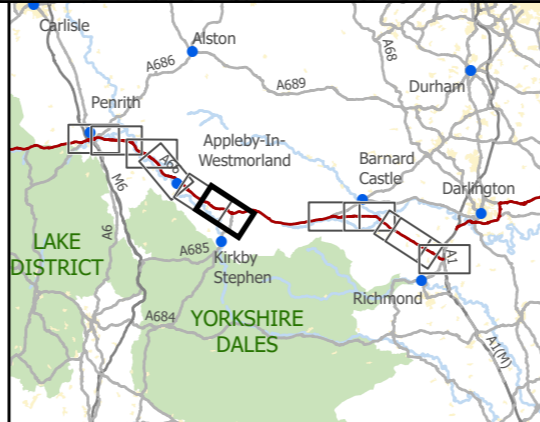
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Groundwater Flooding Susceptibility			
Sheet 9 of 15			
Appley to Brough			
All Routes/ Alternatives			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
	MP	LD	011113
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Areas Susceptible to Groundwater Flooding**
- Clearwater
- Clearwater and Superficial Deposits Flooding
- Superficial Deposits Flooding

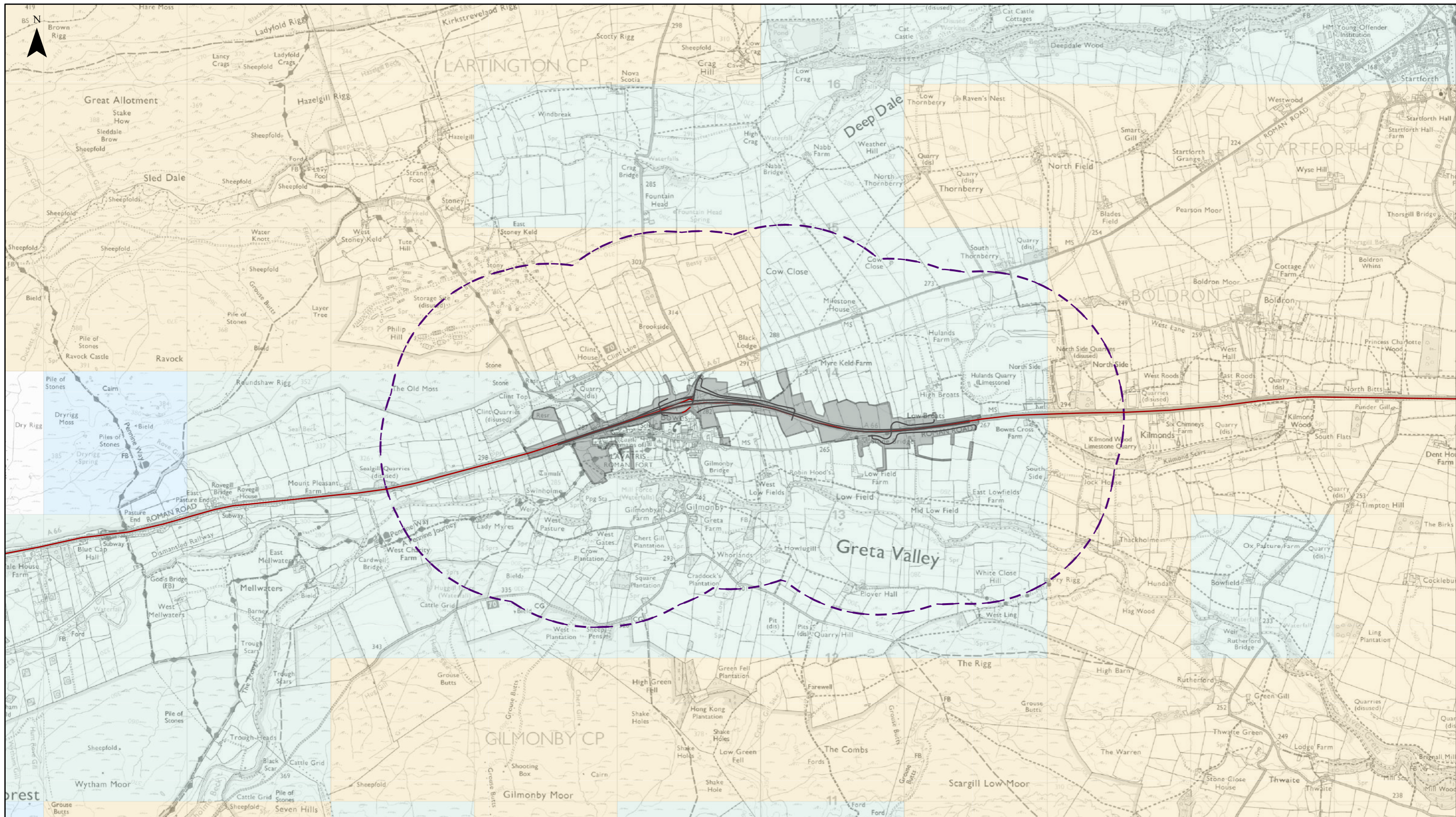


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Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.8 Groundwater Flooding Susceptibility Sheet 10 of 15 Appley to Brough All Routes/ Alternatives			
Map Number Project	Originator	Volume	
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Revision P01		Number	



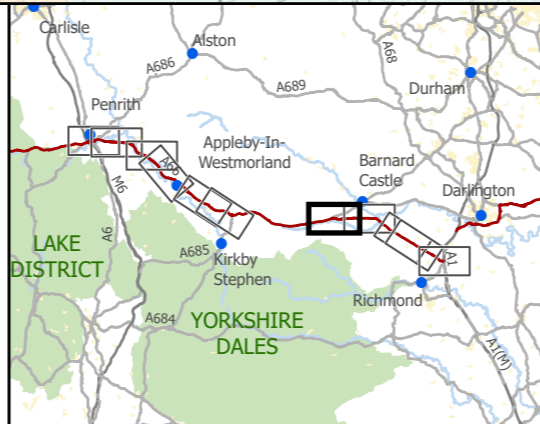
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- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

**Proposed Draft DCO Boundary for the Purpose of Consultation**

- Scheme
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative

**Areas Susceptible to Groundwater Flooding**

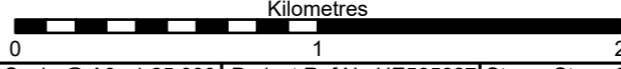
- Clearwater
- Clearwater and Superficial Deposits Flooding
- Superficial Deposits Flooding



**highways**  
england

**A66 NTP** Integrated Project Team

P01	First Issue				
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	14/07/21	29/07/21	30/07/21	12/08/21	13/08/21
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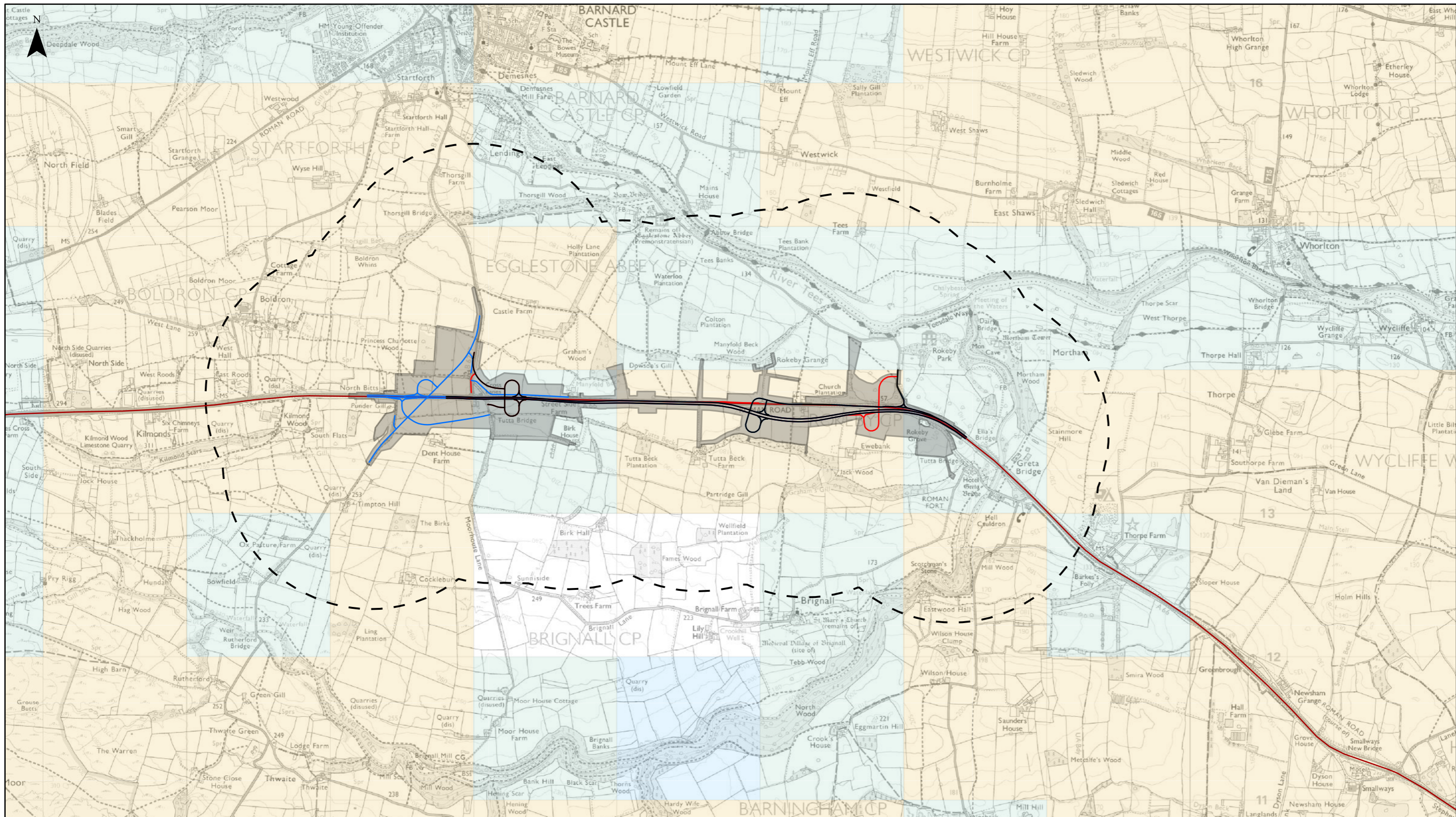


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Project Name  
**A66 Northern Trans-Pennine**

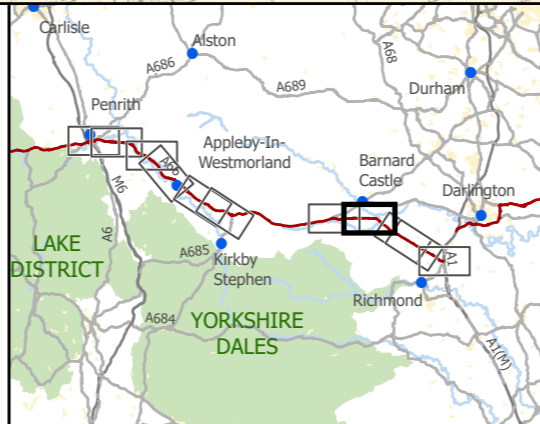
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Figure 14.8  
Groundwater Flooding Susceptibility  
Sheet 11 of 15  
Bowes Bypass  
Black Route



Map Number	Project	Originator	Volume
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Location	Type	Role	Number
	MP	LD	011115
Suitability	Suitability Description		Revision
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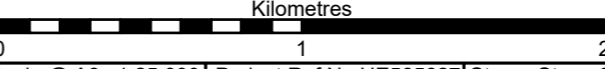
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- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Areas Susceptible to Groundwater Flooding**
- Clearwater
  - Clearwater and Superficial Deposits Flooding
  - Superficial Deposits Flooding



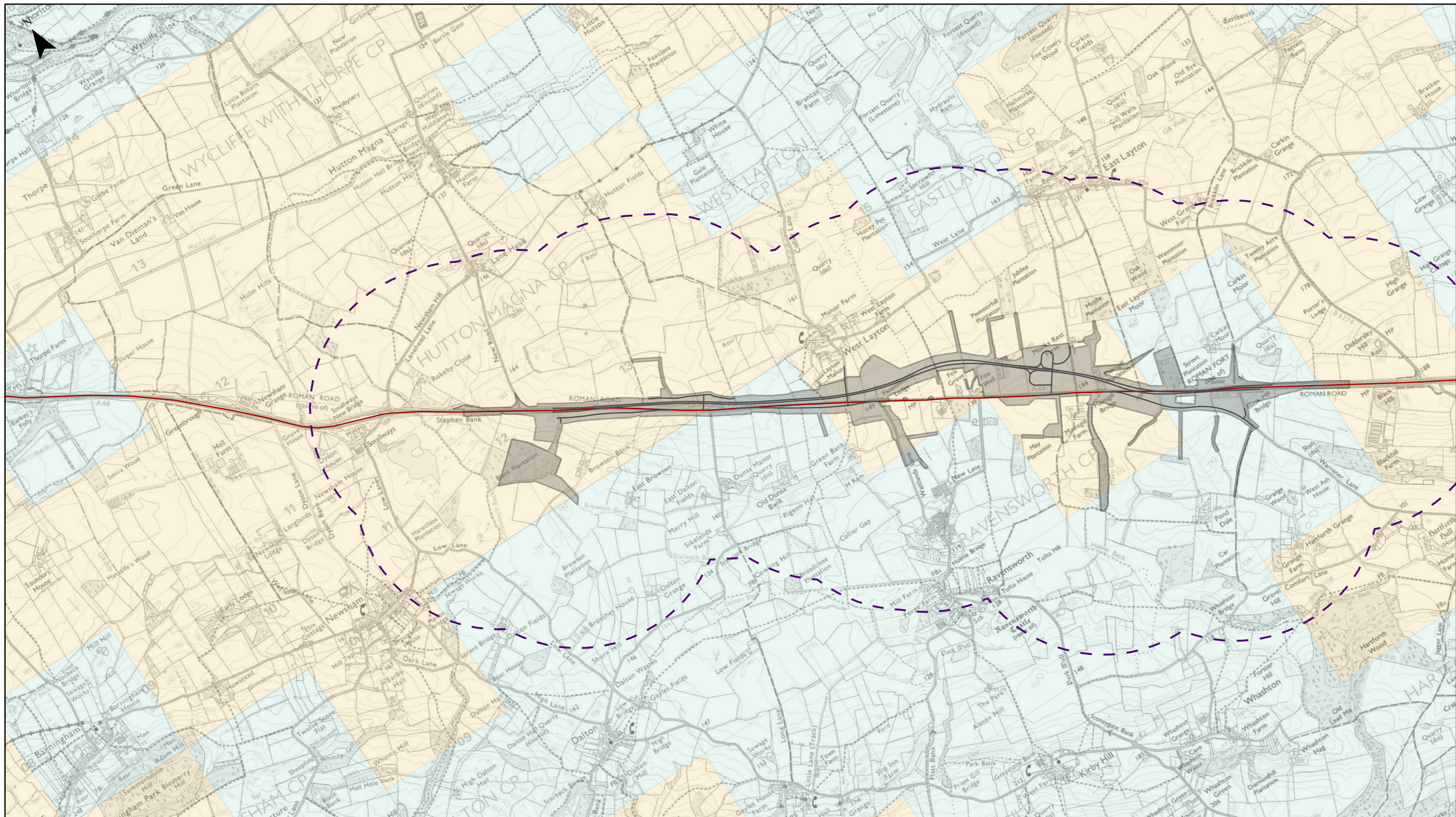
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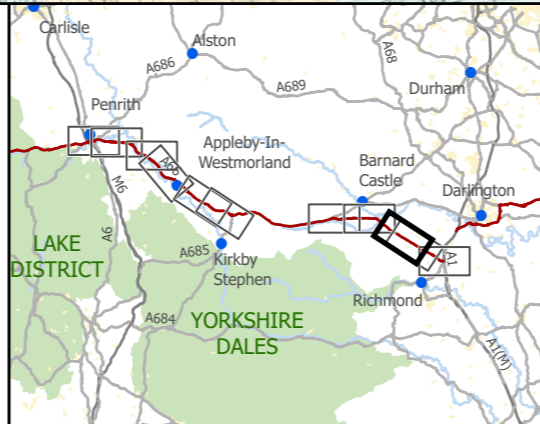
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.8			
Groundwater Flooding Susceptibility			
Sheet 12 of 15			
Cross Lanes to Rokeby			
All Routes/ Alternatives			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LD	011116
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Areas Susceptible to Groundwater Flooding**
- Clearwater
  - Clearwater and Superficial Deposits Flooding
  - Superficial Deposits Flooding



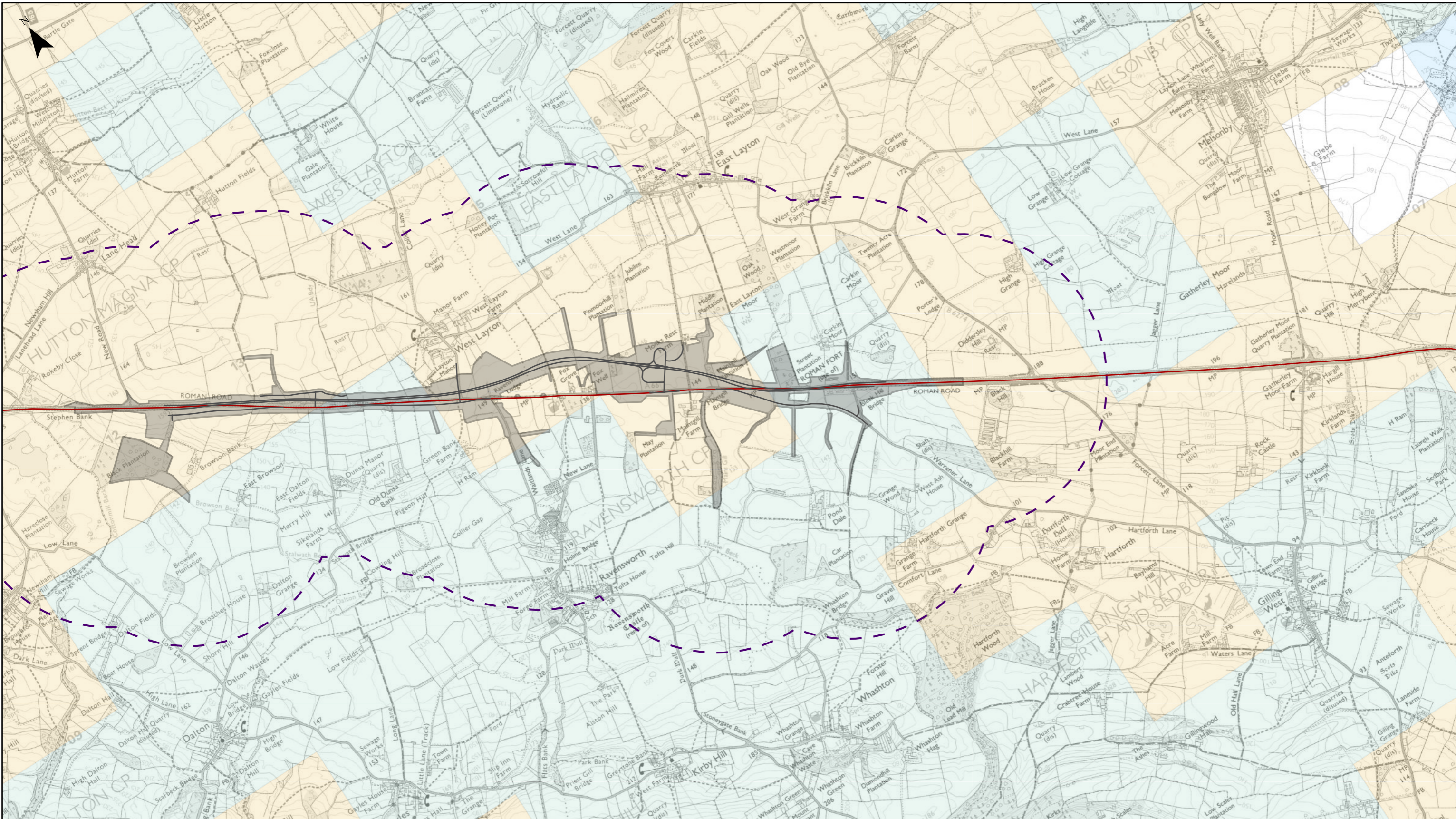
**highways england** **A66 NTP** Integrated Project Team

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Revision	Created	Checked	Reviewed	Approved	Authorised	

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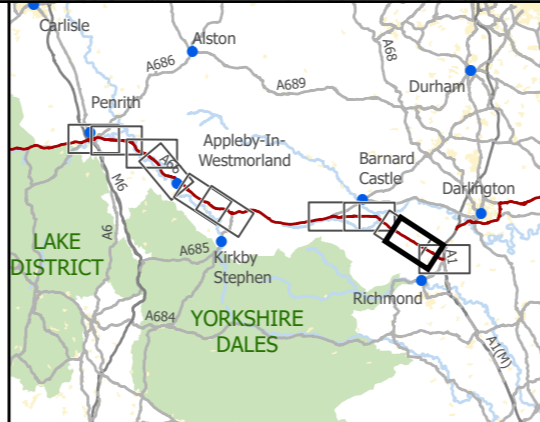
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.8 Groundwater Flooding Susceptibility Sheet 13 of 15 Stephen Bank to Carkin Moor Black Route			
Map Number	Originator	Volume	
HE565627	AMY	EWE	
S00	MP	LD	011117
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



- Scheme Centreline
- Balck Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Areas Susceptible to Groundwater Flooding**
- Clearwater
  - Clearwater and Superficial Deposits Flooding
  - Superficial Deposits Flooding

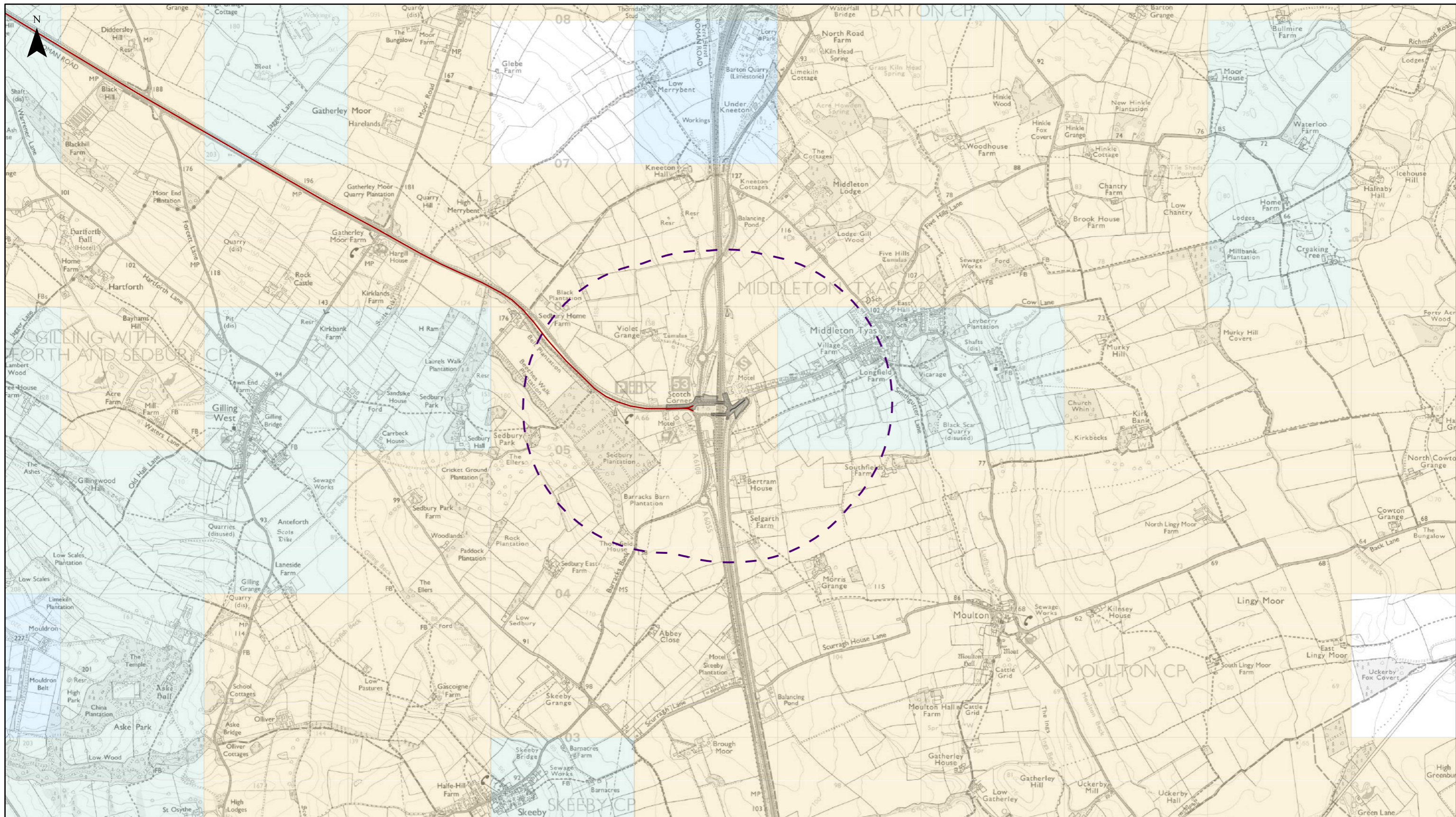


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Revision	Created	Checked	Reviewed	Approved	Authorised

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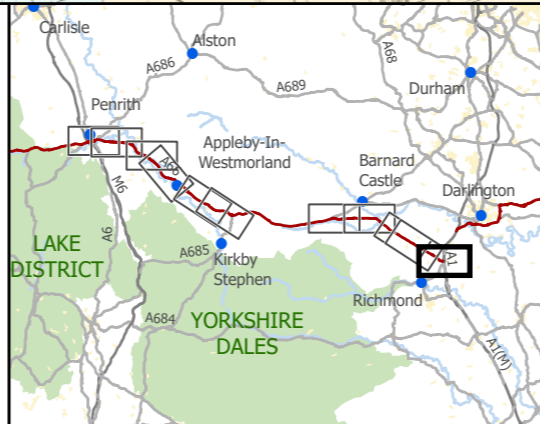
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Map Title Figure 14.8 Groundwater Flooding Susceptibility Sheet 14 of 15 Stephen Bank to Carkin Moor Black Route			
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S00	MP	LD	011118
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01







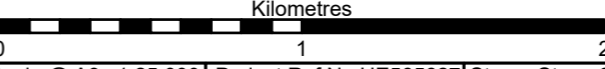
- Scheme Centreline
- Black Alternative
- Blue Alternative
- Orange Alternative
- Red Alternative
- Existing A66
- Study Area 1km - Combined Scheme
- Draft DCO Boundaries
- Study Area 1km - Black Alternative
- Study Area 1km - Blue Alternative
- Study Area 1km - Orange Alternative
- Study Area 1km - Red Alternative

- Proposed Draft DCO Boundary for the Purpose of Consultation**
- Scheme
  - Black Alternative
  - Blue Alternative
  - Orange Alternative
  - Red Alternative
- Areas Susceptible to Groundwater Flooding**
- Clearwater
  - Clearwater and Superficial Deposits Flooding
  - Superficial Deposits Flooding



P01	First Issue				
	CESL	MMAT	MBRE	KWHA	AMIT
	14/07/21	29/07/21	30/07/21	12/08/21	13/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



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

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title Figure 14.8			
Groundwater Flooding Susceptibility			
Sheet 15 of 15			
A1(M) Junction 53 Scotch Corner			
Black Route			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	EWE
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01