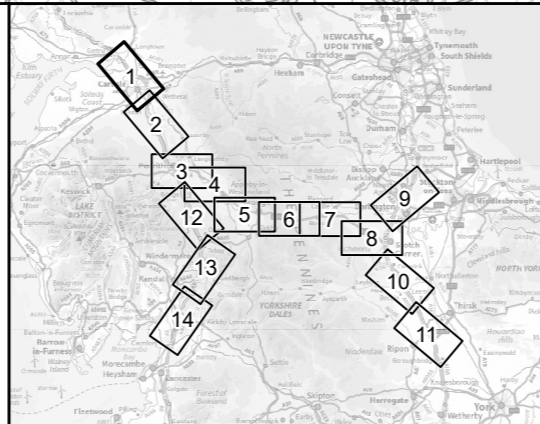




- Route Alignment
- Order Limits
- 200m Operational Air Quality Study Area
- Affected Road Network (ARN)
- Pollution Climate Mapping (PCM) Road Link (2019)
- Monitoring Location
- Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)
 - >40µg/m³
 - 36-40µg/m³
 - 32-36µg/m³
 - <32µg/m³

- Scheme Specific - Annual Mean NO₂ Concentration (2019)**
 - >40µg/m³
 - 36-40µg/m³
 - 32-36µg/m³
 - <32µg/m³
- Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)**
 - >8µg/m³
 - 6-8µg/m³
 - 4-6µg/m³
 - <4µg/m³

- Designated Site**
 - Special Protection Area (SPA)
 - Special Area of Conservation (SAC)
 - Nature Improvement Area
 - Site of Special Scientific Interest (SSSI)
 - Ancient Woodland (AW)
 - County Wildlife Site (CWS)
 - Local Wildlife Site (LWS)
 - Ancient and Veteran Tree



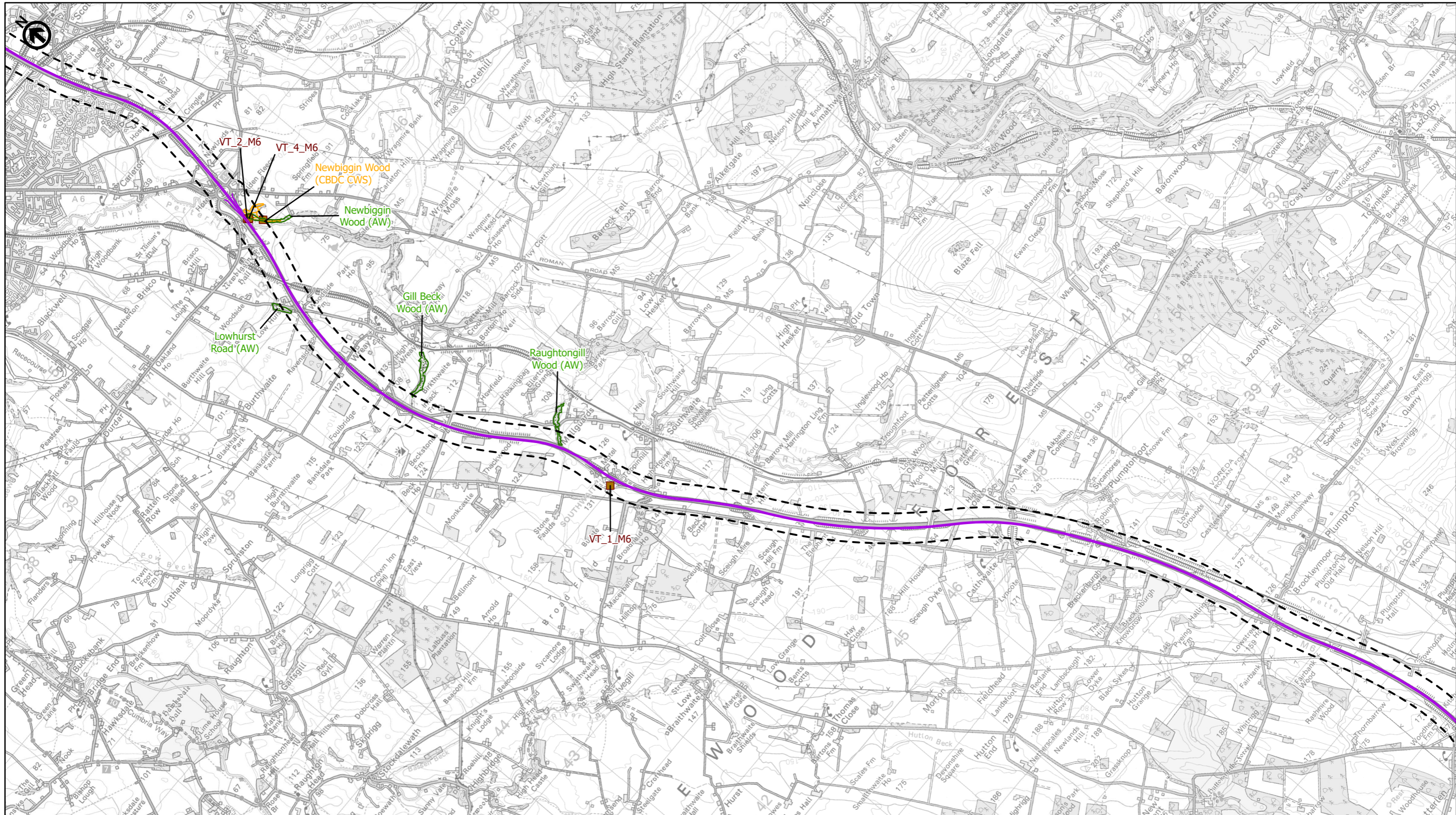
national highways 3 Piccadilly Place Manchester M1 3BN

P02	First Issue	JBAR	PKEL	JLIN	AMIT	KWHA
		18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.2			
Air Quality Baseline			
Sheet 1 of 14			
Map Number Project	Originator	Volume	
HE565627	AMY	EAQ	
Location		Type	Role
S00		MP	LA
S00		- MP - LA - 002028	
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



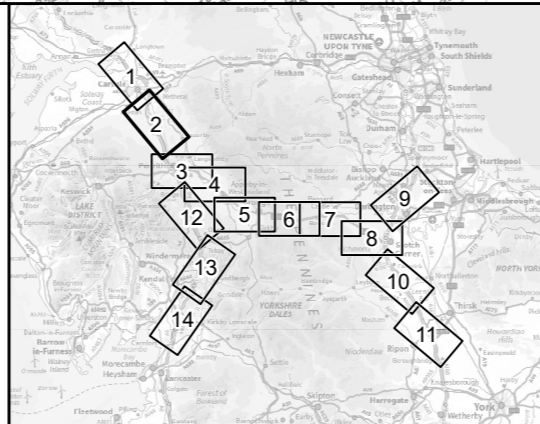
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 [Red Box] Order Limits
 [Dashed Box] 200m Operational Air Quality Study Area
 [Purple Line] Affected Road Network (ARN)
 [Green Line] Pollution Climate Mapping (PCM) Road Link (2019)

Monitoring Location
Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)
 ▲ >40µg/m³
 ▲ 36-40µg/m³
 ▲ 32-36µg/m³
 ▲ <32µg/m³

Scheme Specific - Annual Mean NO₂ Concentration (2019)
 ■ >40µg/m³
 ■ 36-40µg/m³
 ■ 32-36µg/m³
 ■ <32µg/m³

Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)
 ■ >8µg/m³
 ■ 6-8µg/m³
 ■ 4-6µg/m³
 ■ <4µg/m³

Designated Site
 [Green Outline] Special Protection Area (SPA)
 [Blue Outline] Special Area of Conservation (SAC)
 [Orange Outline] Nature Improvement Area
 [Red Outline] Site of Special Scientific Interest (SSSI)
 [Green Outline] Ancient Woodland (AW)
 [Orange Outline] County Wildlife Site (CWS)
 [Pink Outline] Local Wildlife Site (LWS)
 [Brown Square] Ancient and Veteran Tree



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 Manchester
 M1 3BN

P02	First Issue	JBAR	PKEL	JLIN	AMIT	KWHA
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Revision	Created	Checked	Reviewed	Approved	Authorised	

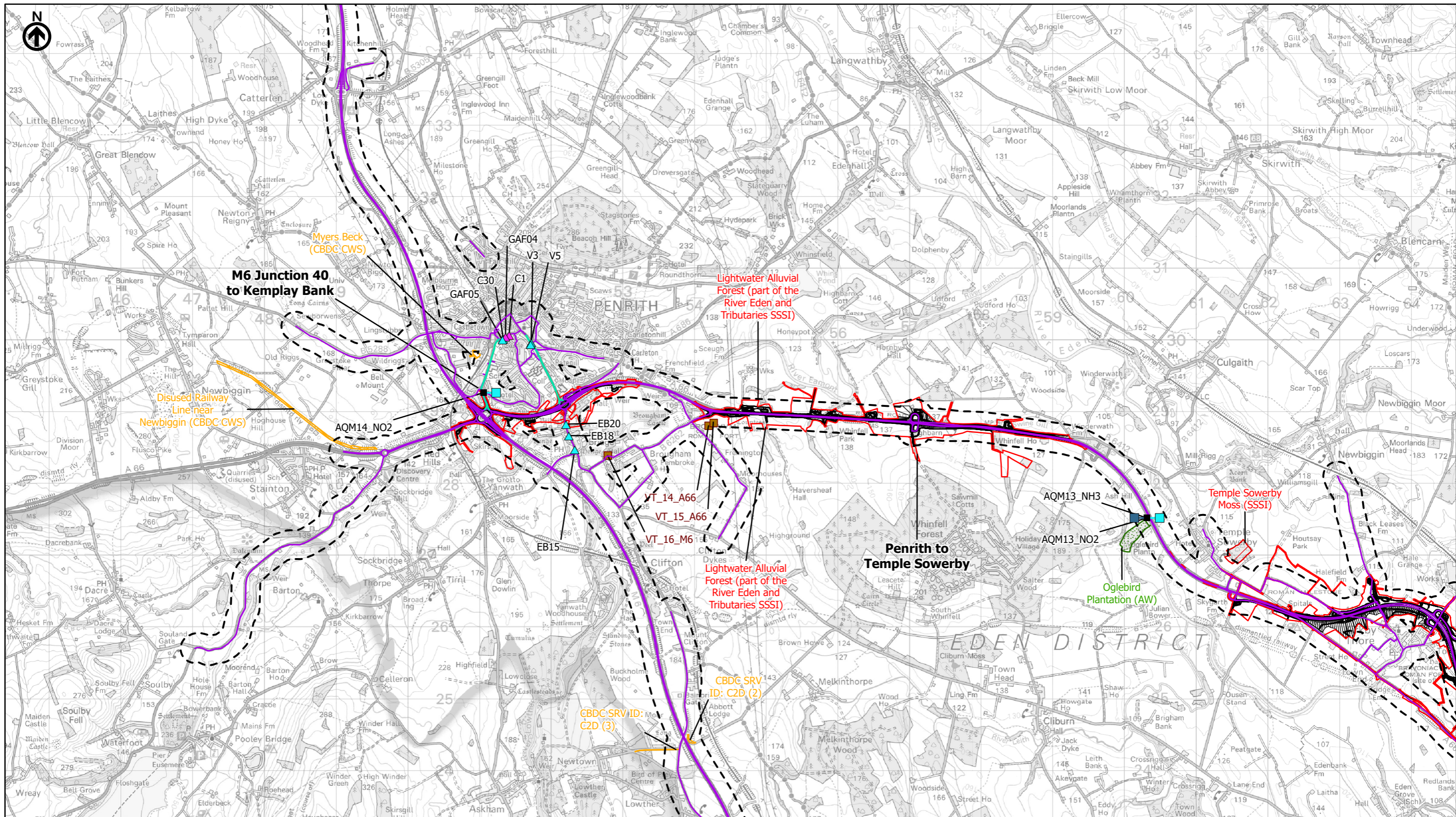
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Project Name
A66 Northern Trans-Pennine Project

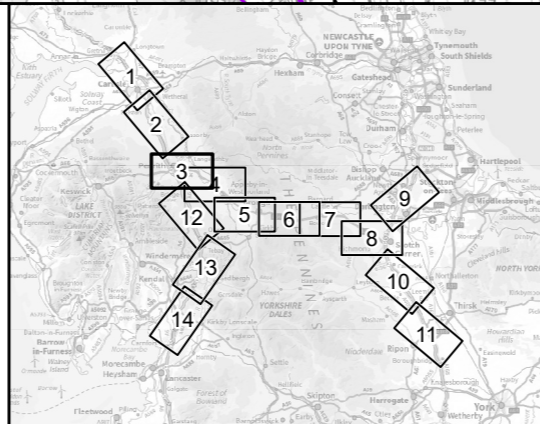
Map Title
Figure 5.2
Air Quality Baseline
 Sheet 2 of 14

Map Number	Project	Originator	Volume
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Location		MP - LA	002029
		Type	Role

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02

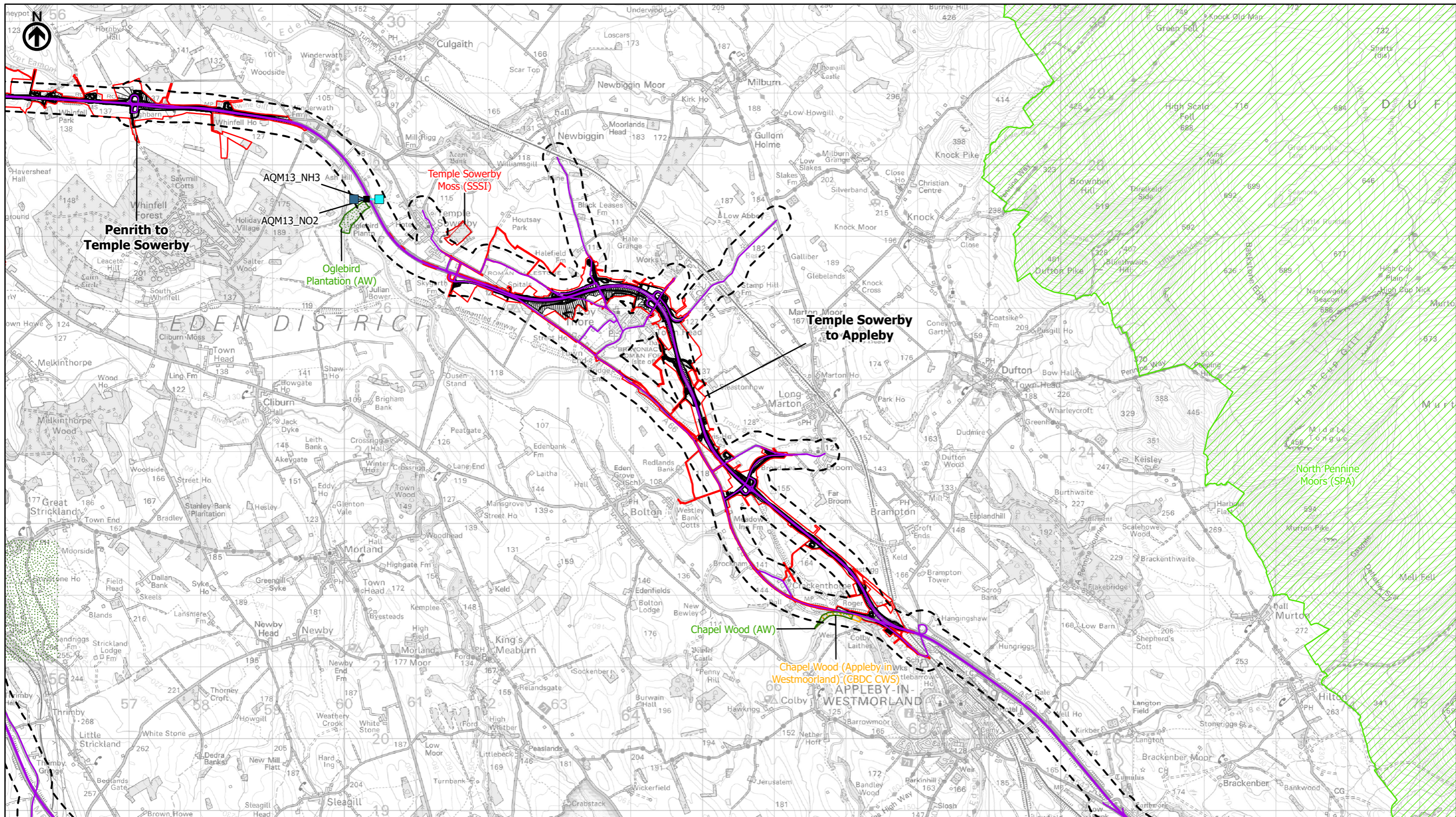


<ul style="list-style-type: none"> Route Alignment Order Limits 200m Operational Air Quality Study Area Affected Road Network (ARN) Pollution Climate Mapping (PCM) Road Link (2019) Monitoring Location Local Authority and National Highways - Annual Mean NO₂ Concentration (2019) <ul style="list-style-type: none"> >40µg/m³ 36-40µg/m³ 32-36µg/m³ <32µg/m³ 	<ul style="list-style-type: none"> Scheme Specific - Annual Mean NO₂ Concentration (2019) <ul style="list-style-type: none"> >40µg/m³ 36-40µg/m³ 32-36µg/m³ <32µg/m³ Scheme Specific - Mean Ammonia (NH₃) Concentration (2022) <ul style="list-style-type: none"> >8µg/m³ 6-8µg/m³ 4-6µg/m³ <4µg/m³ 	<ul style="list-style-type: none"> Designated Site <ul style="list-style-type: none"> Special Protection Area (SPA) Special Area of Conservation (SAC) Nature Improvement Area Site of Special Scientific Interest (SSSI) Ancient Woodland (AW) County Wildlife Site (CWS) Local Wildlife Site (LWS) Ancient and Veteran Tree
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		3 Piccadilly Place Manchester M1 3BN			
P02	First Issue	PKEL	JLIN	AMIT	KWHA
	18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised
Kilometres					
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Scale @ A3: 1:50,000 Project Ref No HE565627 Stage: Stage 3					
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.2 Air Quality Baseline Sheet 3 of 14			
Map Number HE565627	Project S00	Originator - AMY	Volume - EAQ
Location S4	Type MP	Role - LA	Number - 002030
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P02



Route Alignment

- Route Alignment
- Order Limits
- 200m Operational Air Quality Study Area
- Affected Road Network (ARN)
- Pollution Climate Mapping (PCM) Road Link (2019)

Monitoring Location

Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)

- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

Scheme Specific - Annual Mean NO₂ Concentration (2019)

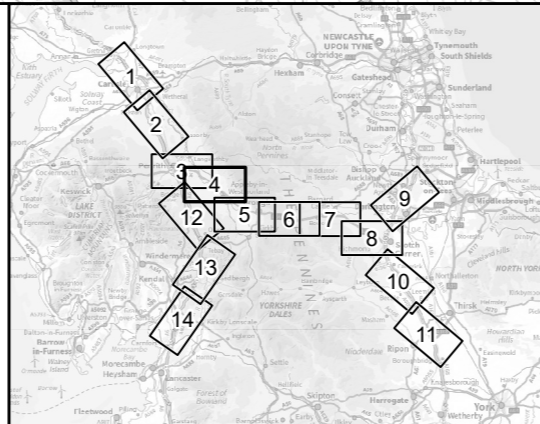
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)

- >8µg/m³
- 6-8µg/m³
- 4-6µg/m³
- <4µg/m³

Designated Site

- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Nature Improvement Area
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland (AW)
- County Wildlife Site (CWS)
- Local Wildlife Site (LWS)
- Ancient and Veteran Tree



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P02	First Issue	JBAR	PKEL	JLIN	AMIT	KWHA
		18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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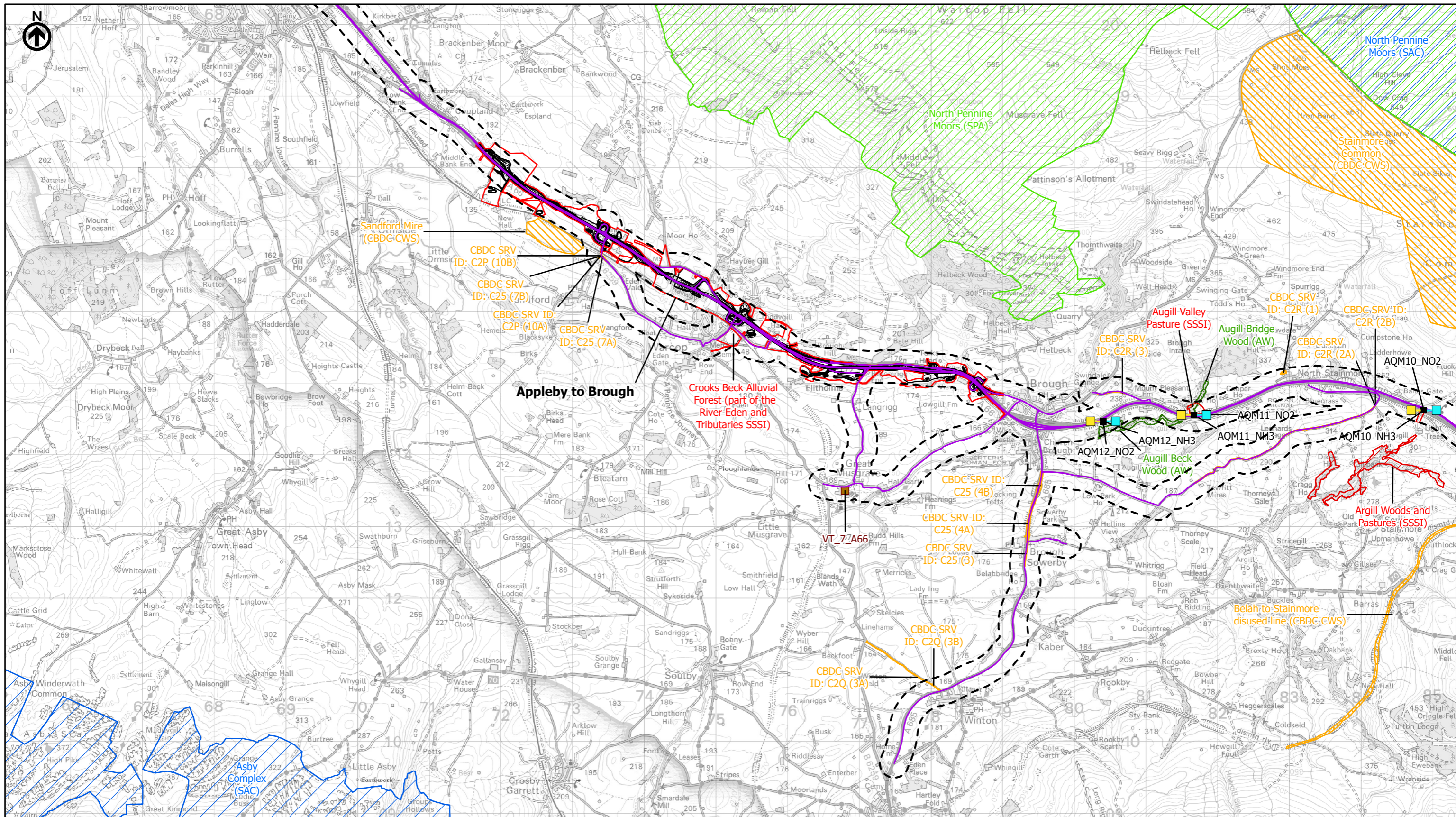
Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.2

Air Quality Baseline

Sheet 4 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
Location		Type	Role
S00	-	MP	LA
			002031
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



Route Alignment

- Order Limits
- 200m Operational Air Quality Study Area
- Affected Road Network (ARN)
- Pollution Climate Mapping (PCM) Road Link (2019)

Monitoring Location

Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)

- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

Scheme Specific - Annual Mean NO₂ Concentration (2019)

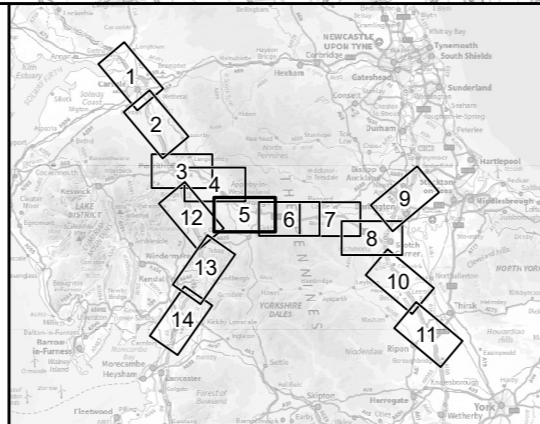
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)

- >8µg/m³
- 6-8µg/m³
- 4-6µg/m³
- <4µg/m³

Designated Site

- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Nature Improvement Area
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland (AW)
- County Wildlife Site (CWS)
- Local Wildlife Site (LWS)
- Ancient and Veteran Tree



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P02	First Issue	JBAR	PKEL	JLIN	AMIT	KWHA
		18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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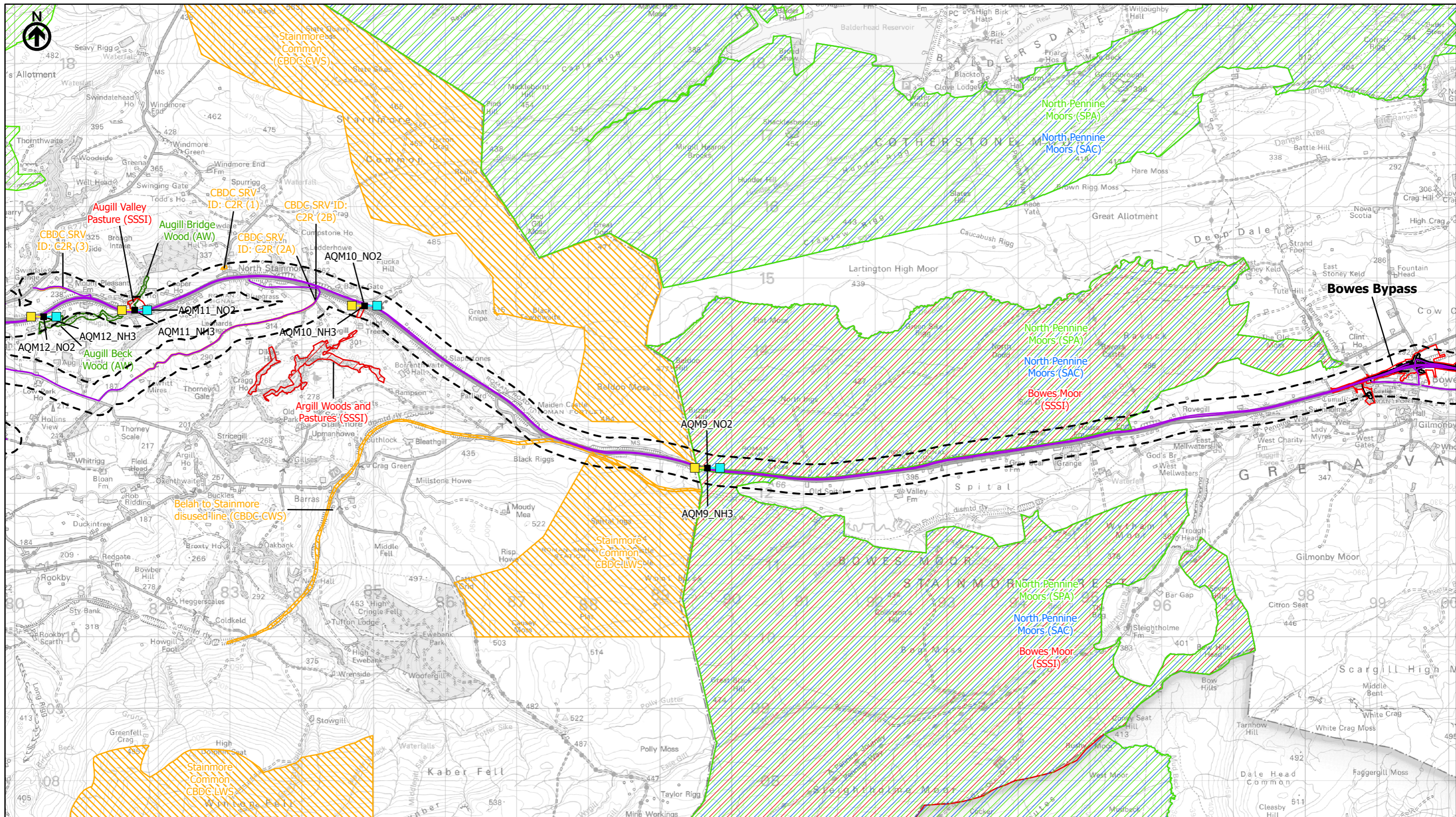
Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.2

Air Quality Baseline

Sheet 5 of 14

Map Number	Project	Originator	Volume
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			002032
Suitability	Suitability Description		Revision
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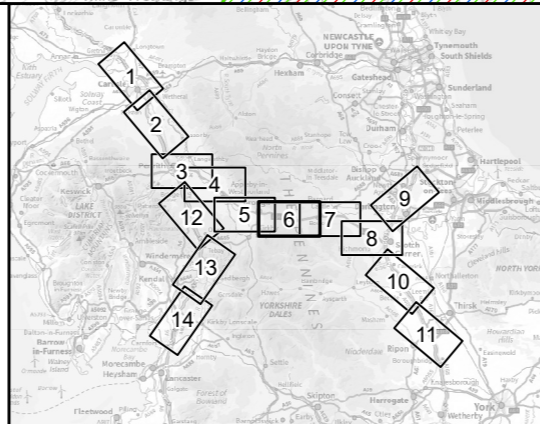
Route Alignment
 — Route Alignment
 — Order Limits
 - - - 200m Operational Air Quality Study Area
 — Affected Road Network (ARN)
 — Pollution Climate Mapping (PCM) Road Link (2019)

Monitoring Location
Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)
 ▲ >40µg/m³
 ▲ 36-40µg/m³
 ▲ 32-36µg/m³
 ▲ <32µg/m³

Scheme Specific - Annual Mean NO₂ Concentration (2019)
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 ■ 32-36µg/m³
 ■ <32µg/m³

Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)
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 ■ 6-8µg/m³
 ■ 4-6µg/m³
 ■ <4µg/m³

Designated Site
 ■ Special Protection Area (SPA)
 ■ Special Area of Conservation (SAC)
 ■ Nature Improvement Area
 ■ Site of Special Scientific Interest (SSSI)
 ■ Ancient Woodland (AW)
 ■ County Wildlife Site (CWS)
 ■ Local Wildlife Site (LWS)
 ■ Ancient and Veteran Tree



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P02	First Issue	JBAR	PKEL	JLIN	AMIT	KWHA
		18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
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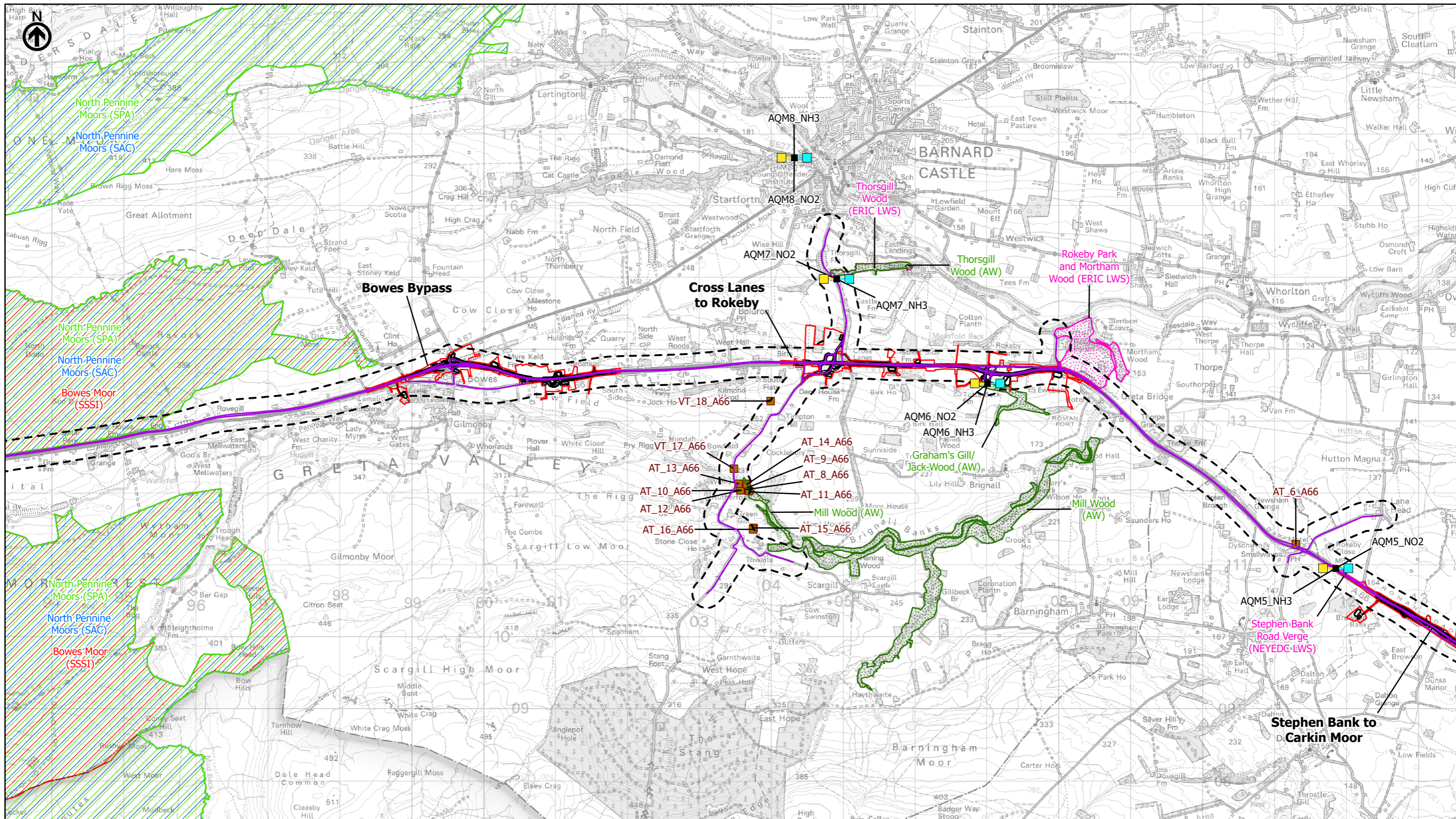
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Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.2

Air Quality Baseline
 Sheet 6 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP - LA	-
Location	Type	Role	Number
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P02	



Route Alignment

- Route Alignment
- Order Limits
- 200m Operational Air Quality Study Area
- Affected Road Network (ARN)
- Pollution Climate Mapping (PCM) Road Link (2019)

Monitoring Location

Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)

- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

Scheme Specific - Annual Mean NO₂ Concentration (2019)

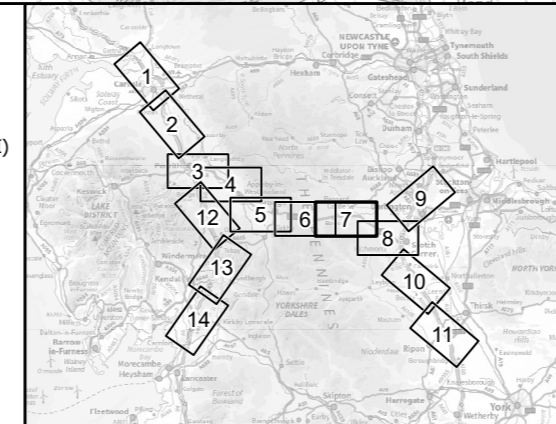
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)

- >8µg/m³
- 6-8µg/m³
- 4-6µg/m³
- <4µg/m³

Designated Site

- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Nature Improvement Area
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland (AW)
- County Wildlife Site (CWS)
- Local Wildlife Site (LWS)
- Ancient and Veteran Tree



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P02	First Issue	PKEL	JLIN	AMIT	KWAH
	18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised

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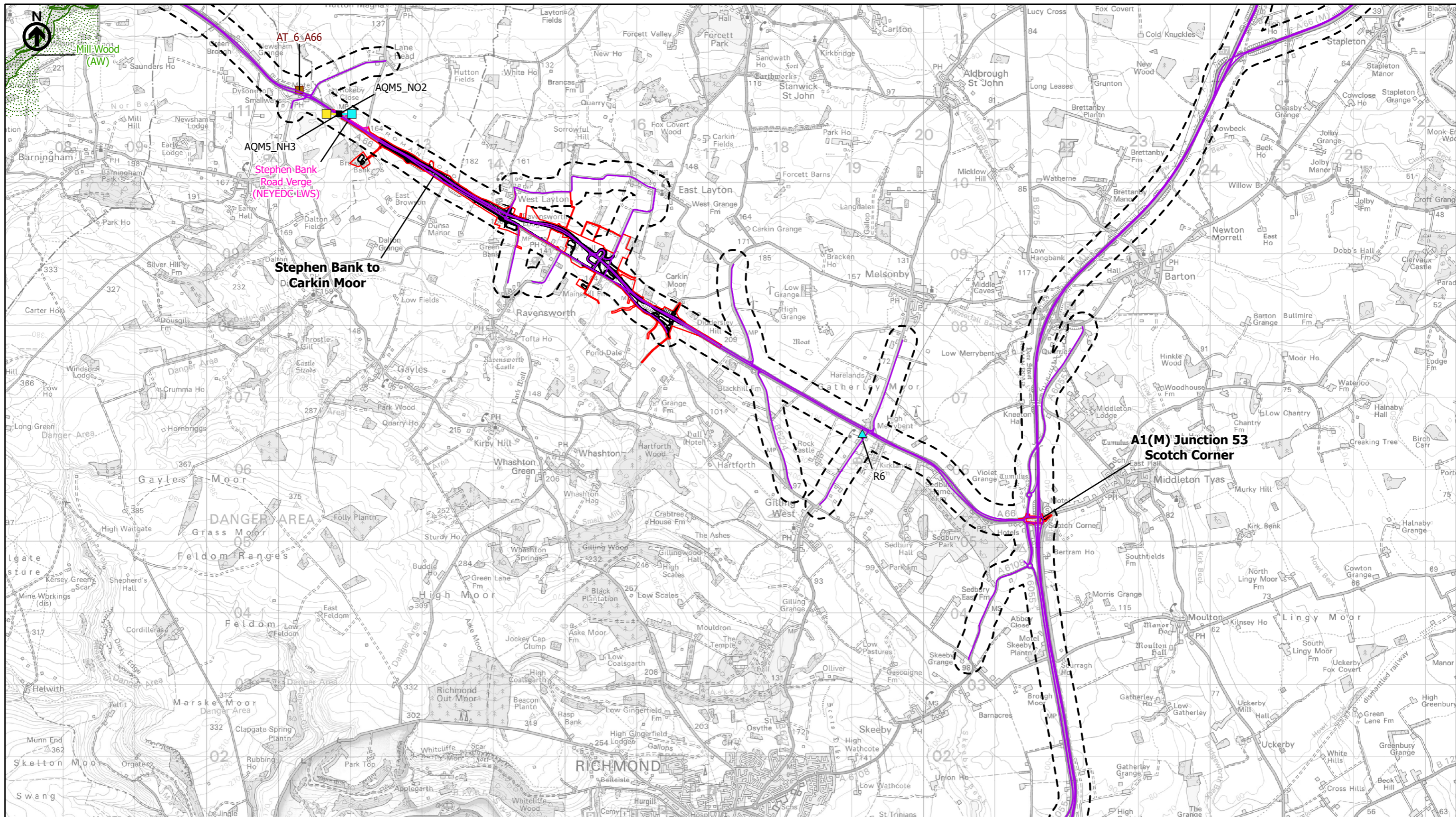
Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.2

Air Quality Baseline

Sheet 7 of 14

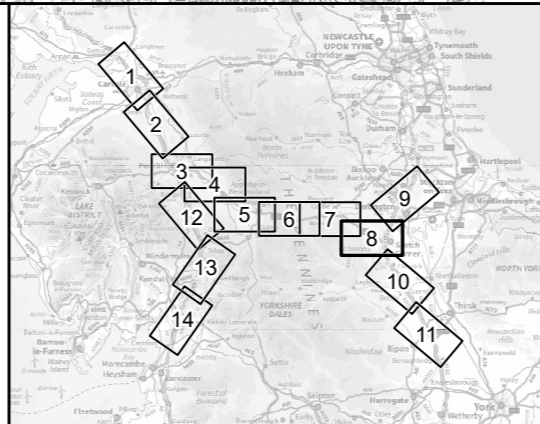
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Location		Type	Role
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			002034
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



- Route Alignment
- Order Limits
- 200m Operational Air Quality Study Area
- Affected Road Network (ARN)
- Pollution Climate Mapping (PCM) Road Link (2019)
- Monitoring Location**
- Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)**
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

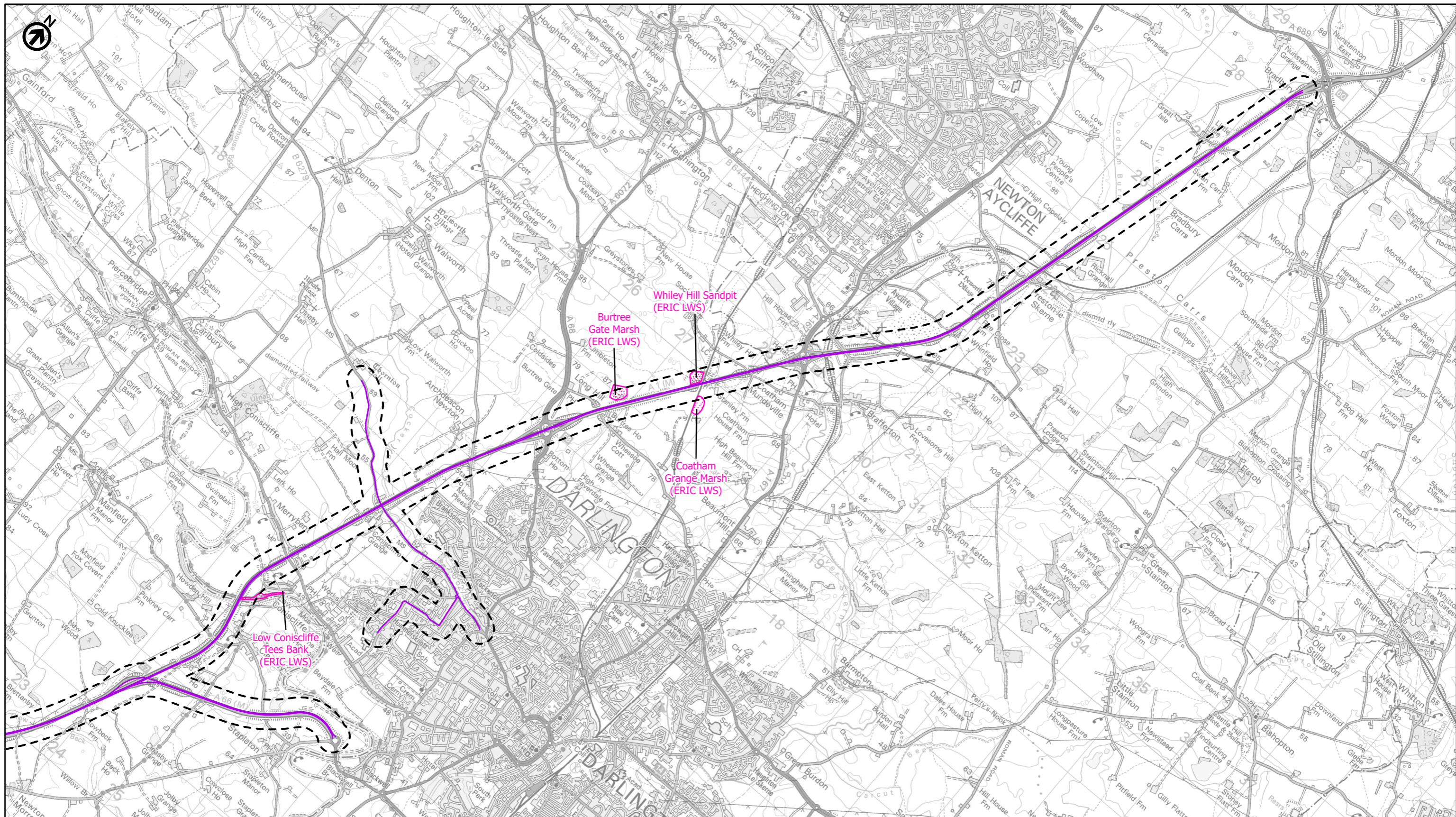
- Scheme Specific - Annual Mean NO₂ Concentration (2019)**
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³
- Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)**
- >8µg/m³
- 6-8µg/m³
- 4-6µg/m³
- <4µg/m³

- Designated Site**
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Nature Improvement Area
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland (AW)
- County Wildlife Site (CWS)
- Local Wildlife Site (LWS)
- Ancient and Veteran Tree

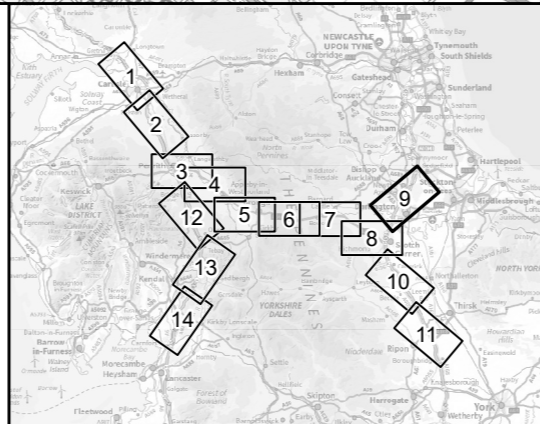


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Revision	Created	Checked	Reviewed	Approved	Authorised																							
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.2			
Air Quality Baseline			
Sheet 8 of 14			
Map Number Project	Originator	Volume	
HE565627	AMY	EAQ	
Location		Type	Role
S00		MP	LA
		Number	
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Suitability	Suitability Description		Revision
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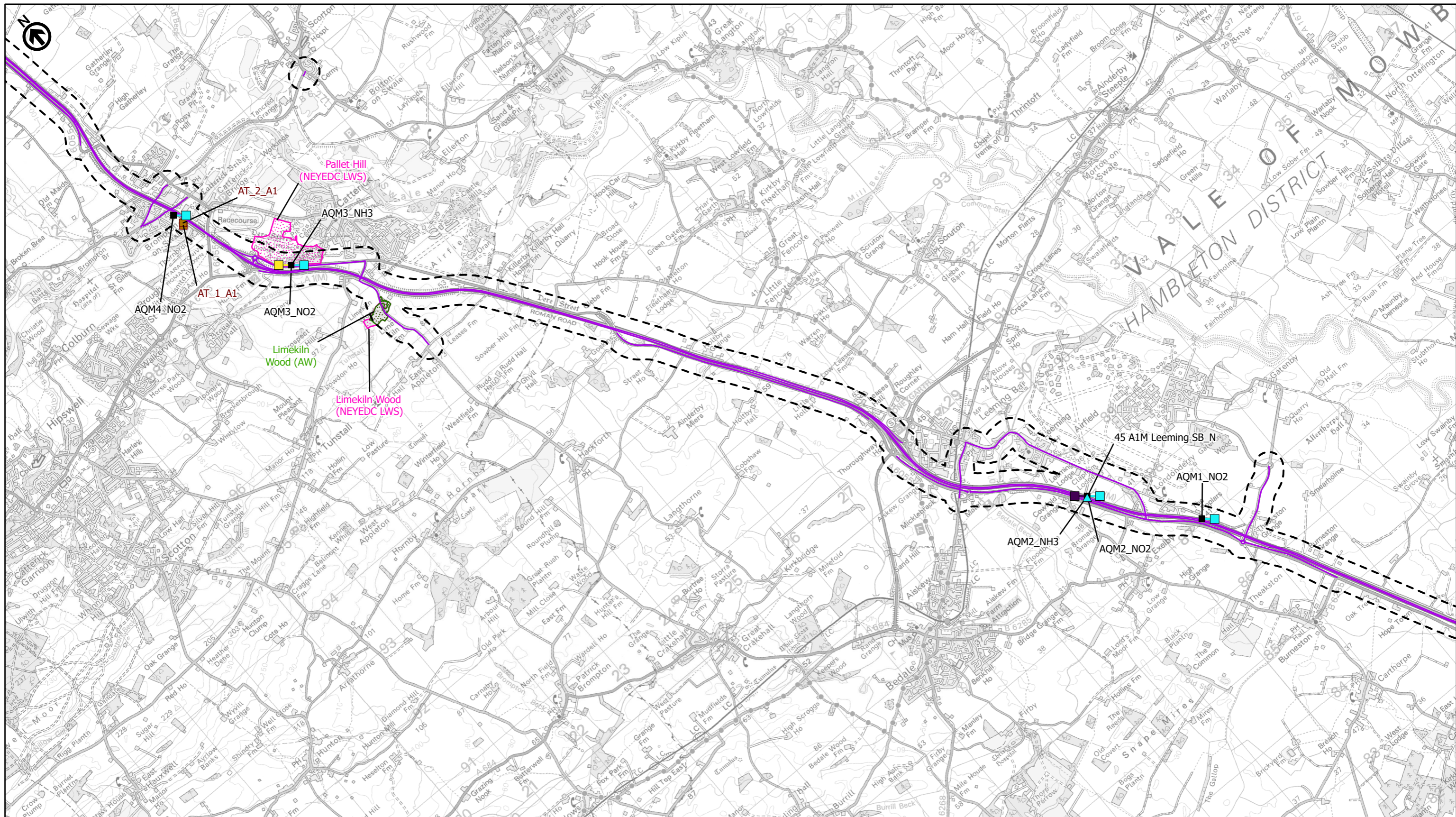


<ul style="list-style-type: none"> Route Alignment Order Limits 200m Operational Air Quality Study Area Affected Road Network (ARN) Pollution Climate Mapping (PCM) Road Link (2019) Monitoring Location Local Authority and National Highways - Annual Mean NO₂ Concentration (2019) >40µg/m³ 36-40µg/m³ 32-36µg/m³ <32µg/m³ 	<ul style="list-style-type: none"> Scheme Specific - Annual Mean NO₂ Concentration (2019) >40µg/m³ 36-40µg/m³ 32-36µg/m³ <32µg/m³ Scheme Specific - Mean Ammonia (NH₃) Concentration (2022) >8µg/m³ 6-8µg/m³ 4-6µg/m³ <4µg/m³ 	<ul style="list-style-type: none"> Designated Site Special Protection Area (SPA) Special Area of Conservation (SAC) Nature Improvement Area Site of Special Scientific Interest (SSSI) Ancient Woodland (AW) County Wildlife Site (CWS) Local Wildlife Site (LWS) Ancient and Veteran Tree
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		3 Piccadilly Place Manchester M1 3BN				
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Revision	Created	Checked	Reviewed	Approved	Authorised	
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.2			
Air Quality Baseline			
Sheet 9 of 14			
Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00		MP - LA - 002036	
Location		Type	Role
S4		FIT FOR STAGE APPROVAL	
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



Route Alignment

- Order Limits
- 200m Operational Air Quality Study Area
- Affected Road Network (ARN)
- Pollution Climate Mapping (PCM) Road Link (2019)

Monitoring Location

Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)

- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

Scheme Specific - Annual Mean NO₂ Concentration (2019)

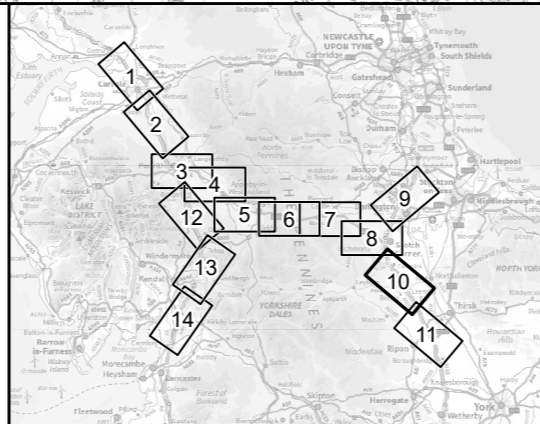
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)

- >8µg/m³
- 6-8µg/m³
- 4-6µg/m³
- <4µg/m³

Designated Site

- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Nature Improvement Area
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland (AW)
- County Wildlife Site (CWS)
- Local Wildlife Site (LWS)
- Ancient and Veteran Tree



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P02	First Issue	PKEL	JLIN	AMIT	KWAH
	18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised

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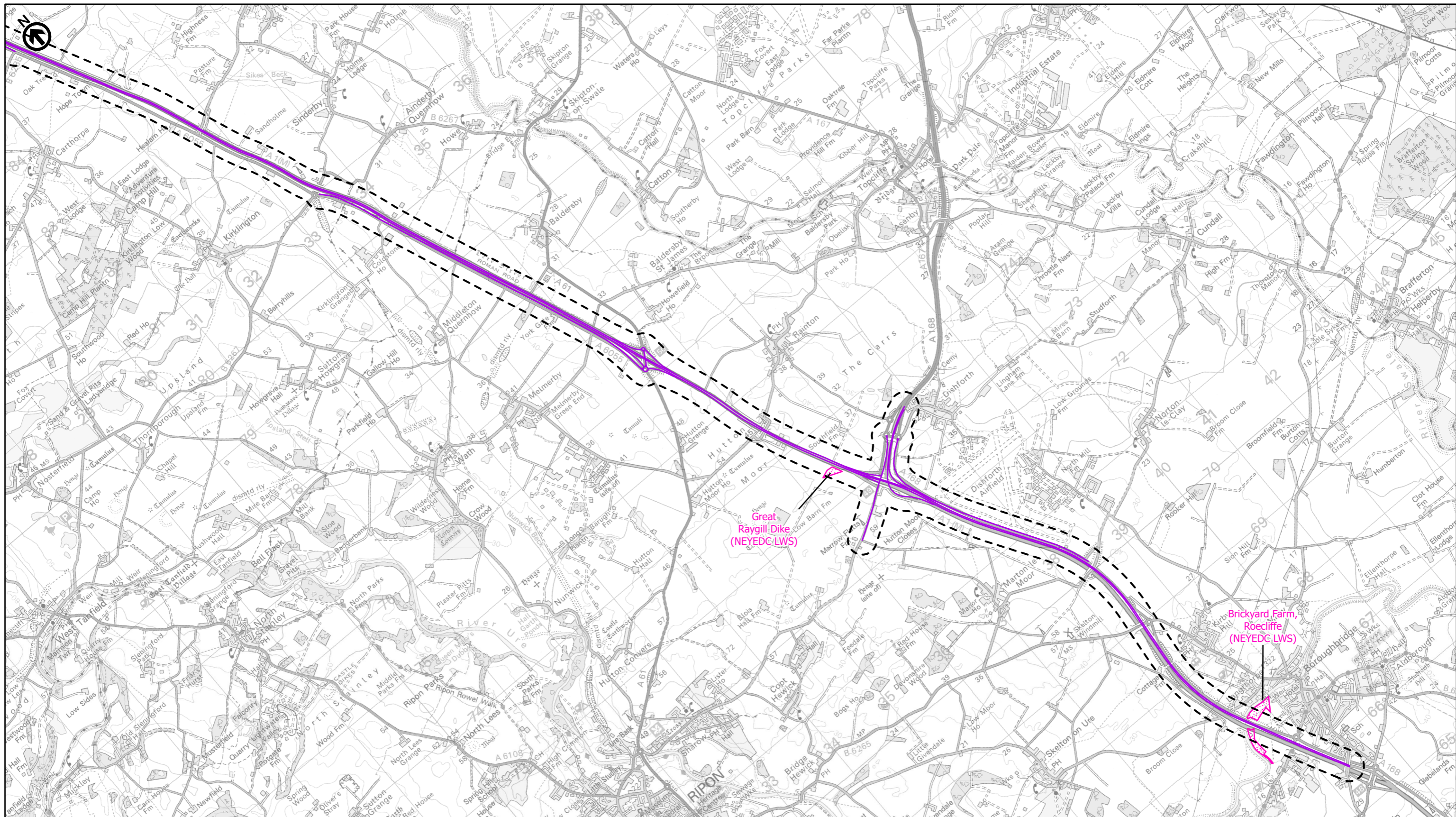
Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.2

Air Quality Baseline

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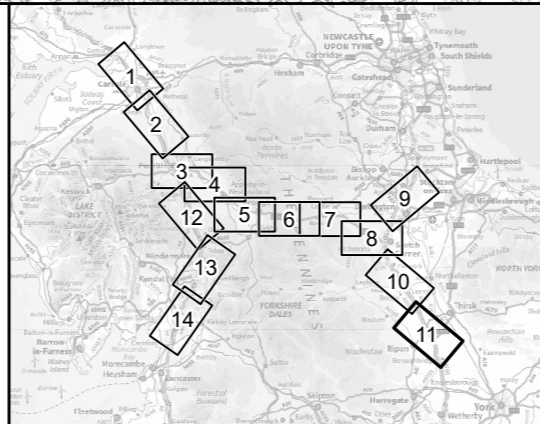
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S00	-	MP - LA - 002037	-
Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



- Route Alignment
- Order Limits
- 200m Operational Air Quality Study Area
- Affected Road Network (ARN)
- Pollution Climate Mapping (PCM) Road Link (2019)
- Monitoring Location**
- Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)**
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

- Scheme Specific - Annual Mean NO₂ Concentration (2019)**
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³
- Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)**
- >8µg/m³
- 6-8µg/m³
- 4-6µg/m³
- <4µg/m³

- Designated Site**
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Nature Improvement Area
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland (AW)
- County Wildlife Site (CWS)
- Local Wildlife Site (LWS)
- Ancient and Veteran Tree

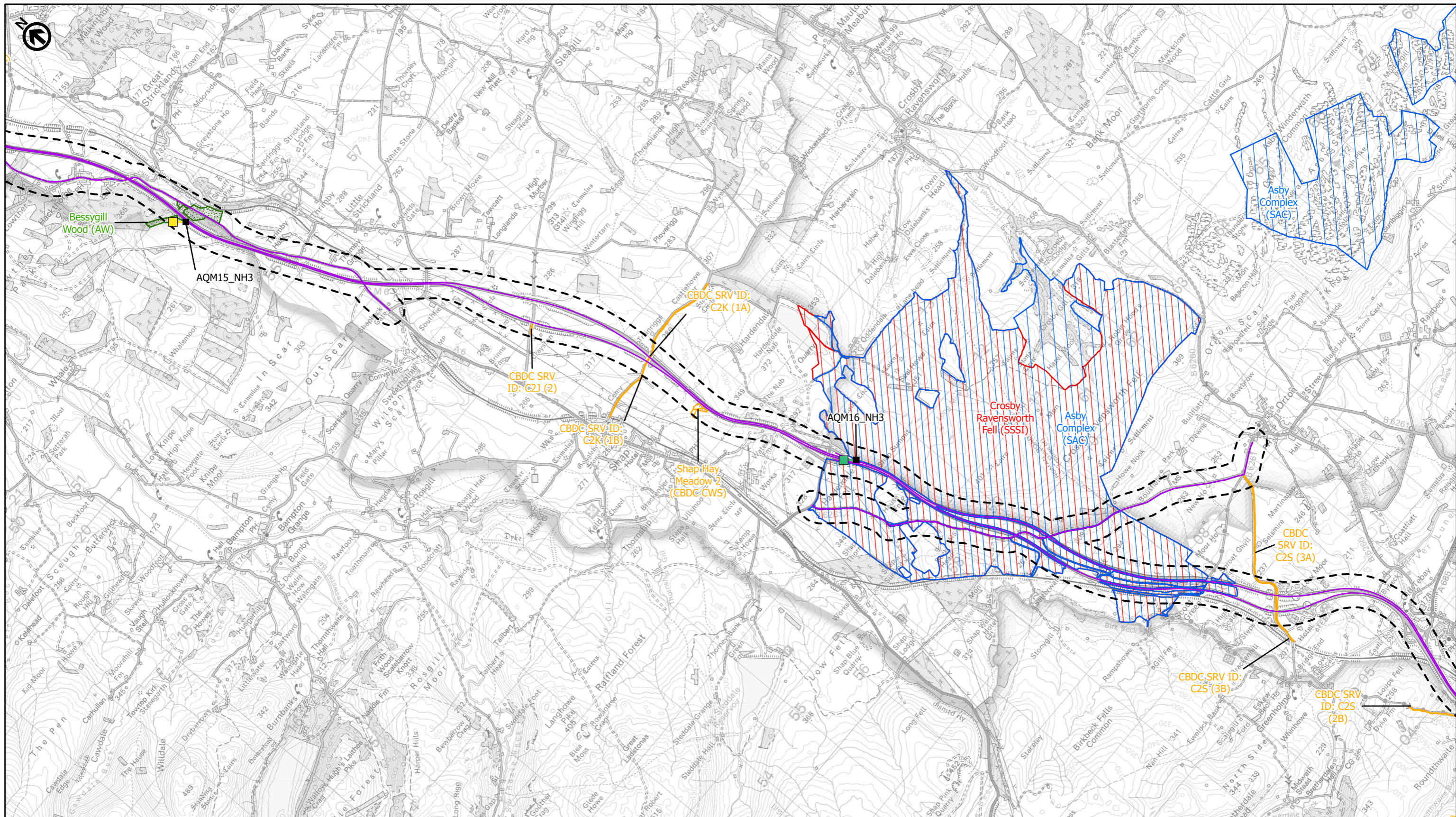


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P02	First Issue	JBAR	PKEL	JLIN	AMIT	KWHA
		18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.2			
Air Quality Baseline			
Sheet 11 of 14			
Map Number Project	Originator	Volume	
HE565627	AMY	EAQ	
Location		MP	LA
		Type	Role
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P02



Route Alignment

Order Limits

200m Operational Air Quality Study Area

Affected Road Network (ARN)

Pollution Climate Mapping (PCM) Road Link (2019)

Monitoring Location

Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)

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Scheme Specific - Annual Mean NO₂ Concentration (2019)

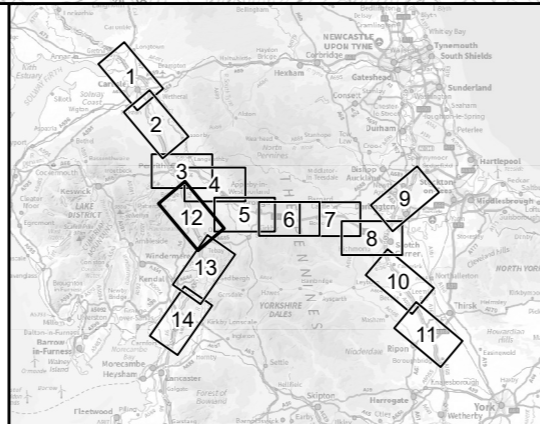
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Kilometres

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Project Name
A66 Northern Trans-Pennine Project

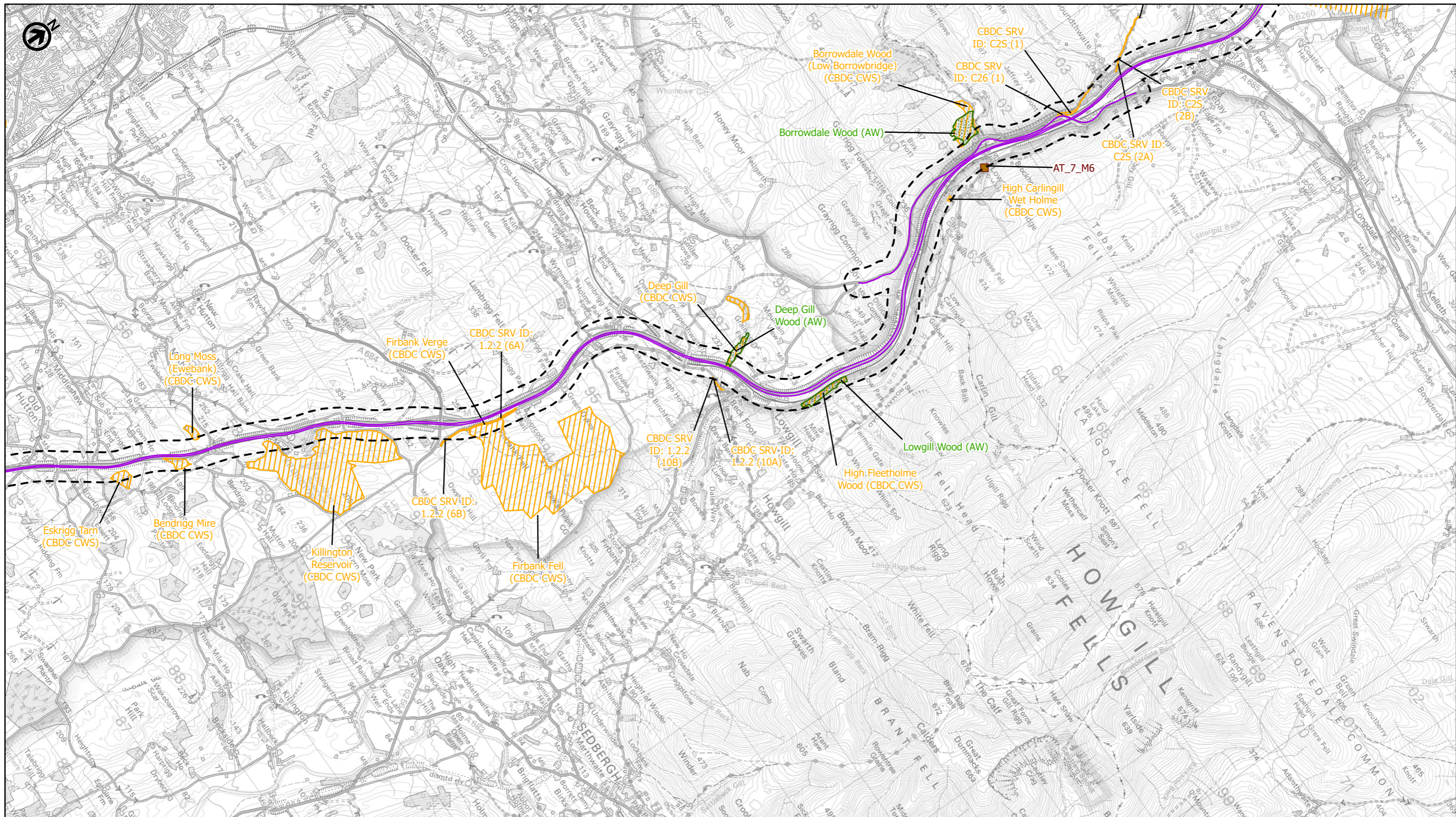
Map Title
Figure 5.2

Air Quality Baseline

Sheet 12 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
Location	S00	-	MP - LA - 002039
		Type	Role

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



Route Alignment

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- Pollution Climate Mapping (PCM) Road Link (2019)

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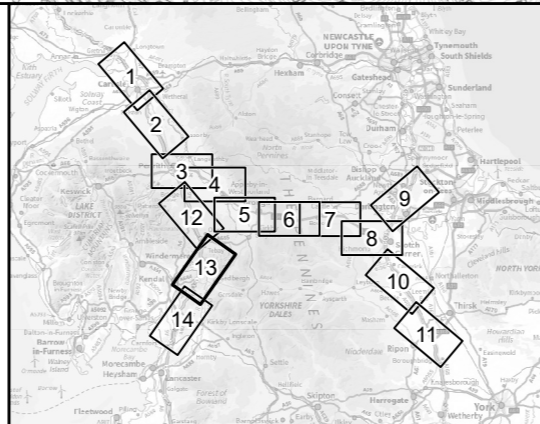
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	18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised

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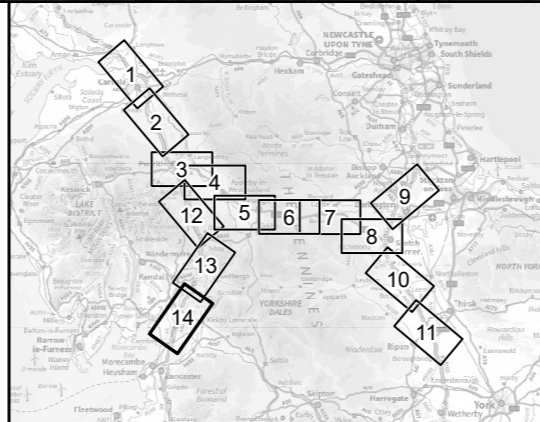
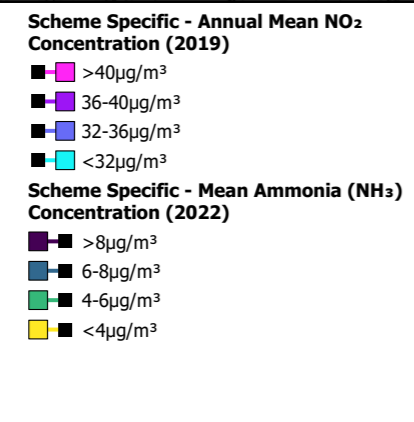
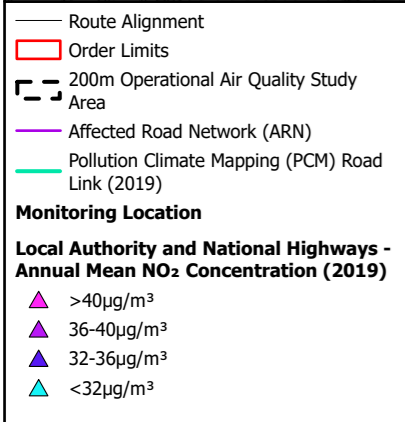
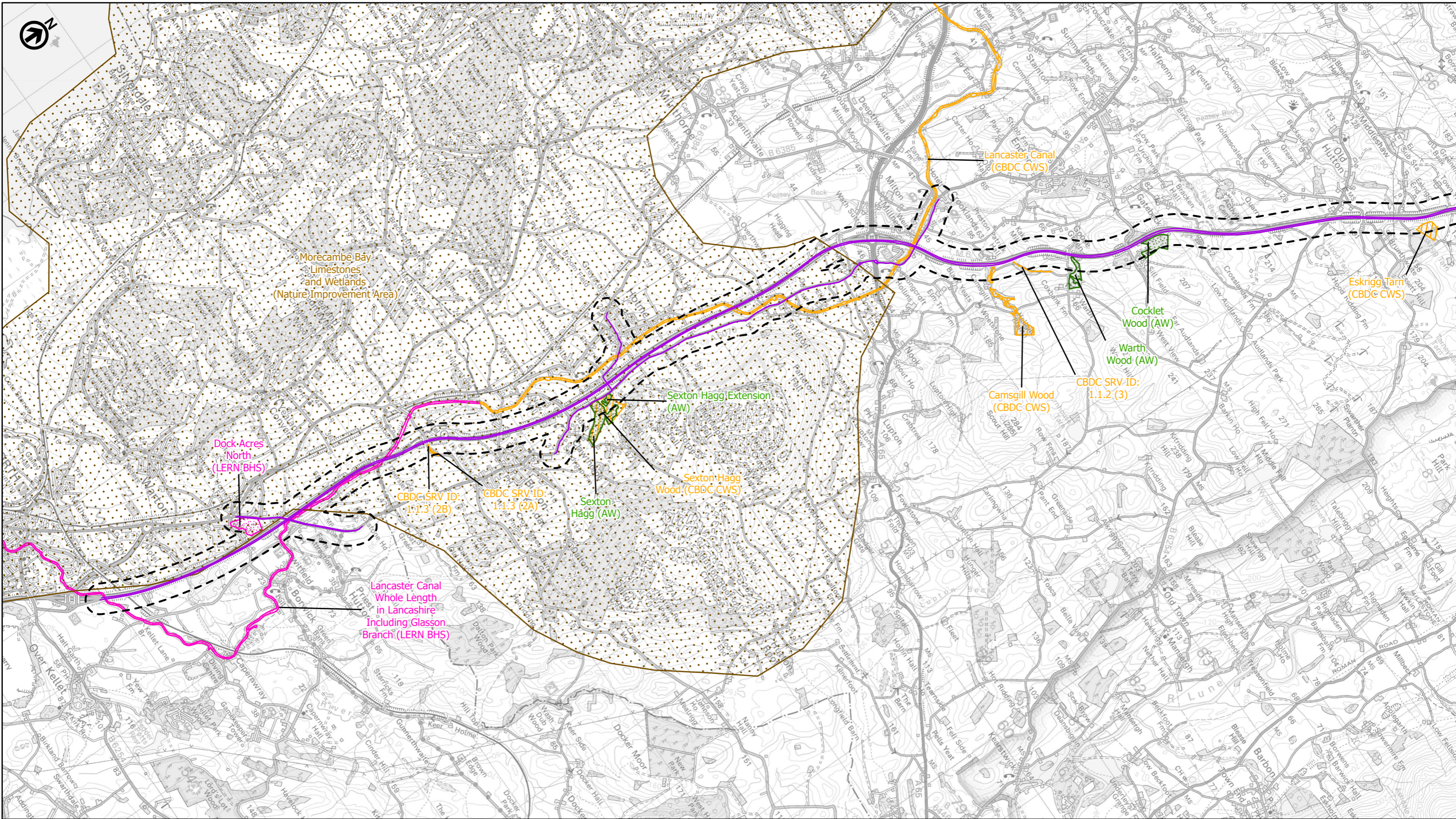
Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.2

Air Quality Baseline

Sheet 13 of 14

Map Number	Originator	Volume
HE565627	AMY	EAQ
S00	MP - LA	002040
Location	Type	Role
S4	FIT FOR STAGE APPROVAL	Number
Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



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P02	First Issue				
	JBAR	PKEL	JLIN	AMIT	KWHA
	18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name: A66 Northern Trans-Pennine Project

Map Title: Figure 5.2 Air Quality Baseline Sheet 14 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002041
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL	Revision P02	