

Route Alignment

Order Limits

200m Operational Air Quality Study Area

Affected Road Network (ARN)

Pollution Climate Mapping (PCM) Road Link (2019)

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

Change in nitrogen deposition relative to lower critical load (2029)

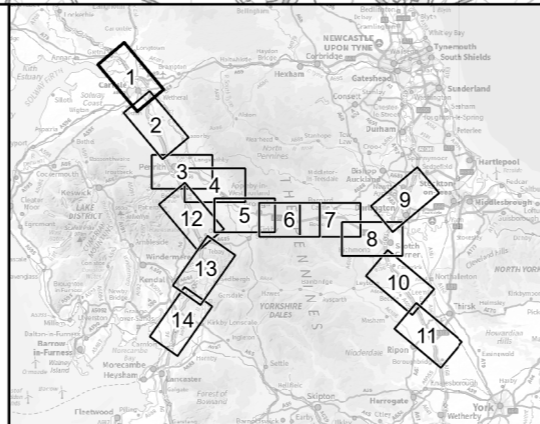
- >1% increase
- >1% reduction

Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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

Kilometres

0 2 4

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

© Crown copyright and database rights (2022). All rights reserved. OS 100030649. Contains public sector information licensed under the Open Government Licence v3.0.

© Cumbria County Council © Durham County Council
© North Yorkshire County Council © Richmondshire County Council
Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

Project Name
A66 Northern Trans-Pennine Project

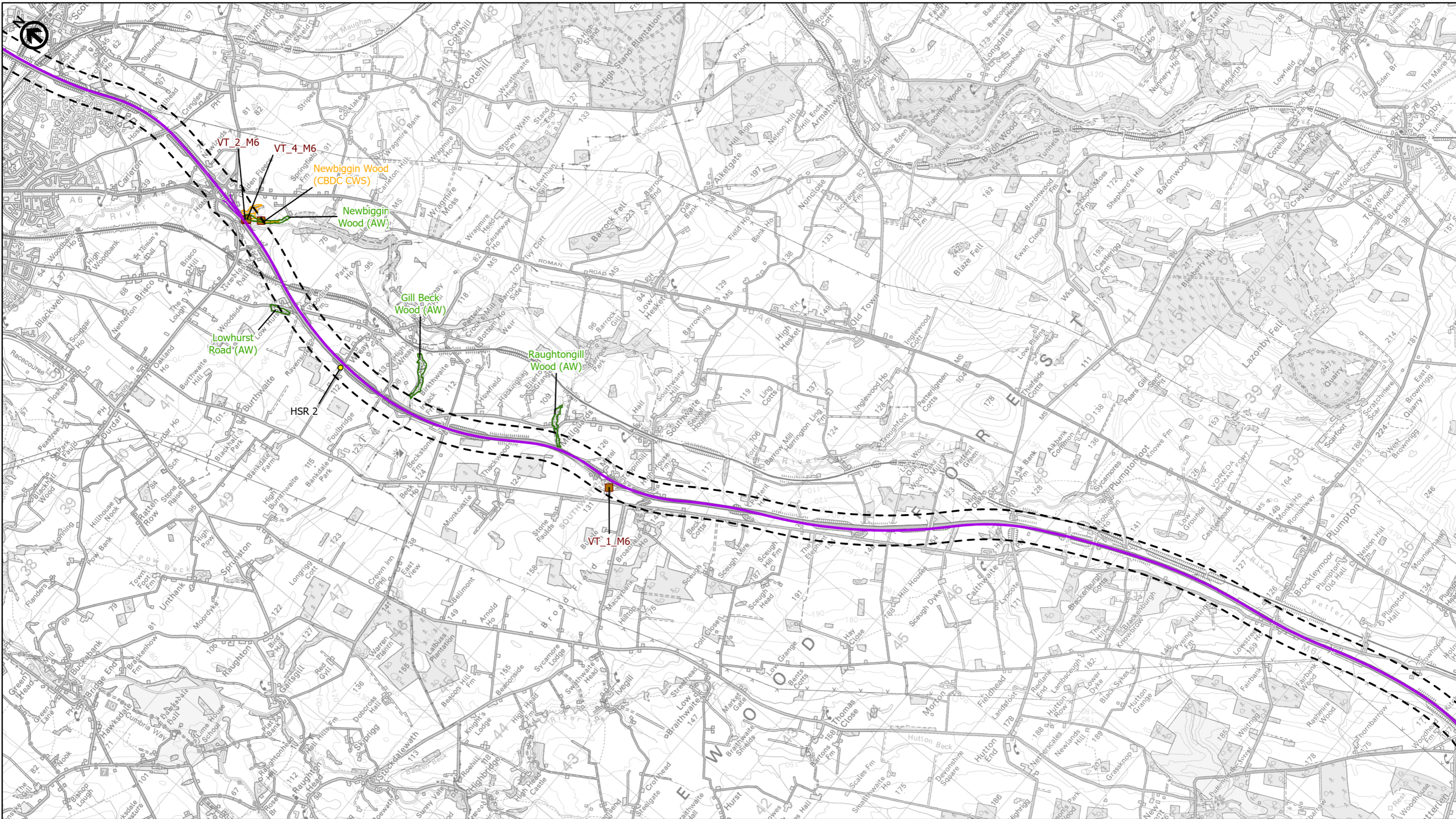
Map Title
Figure 5.4

Air Quality Operational Phase Assessment

Sheet 1 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002052
Location		Type	Role

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)

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

Change in nitrogen deposition relative to lower critical load (2029)

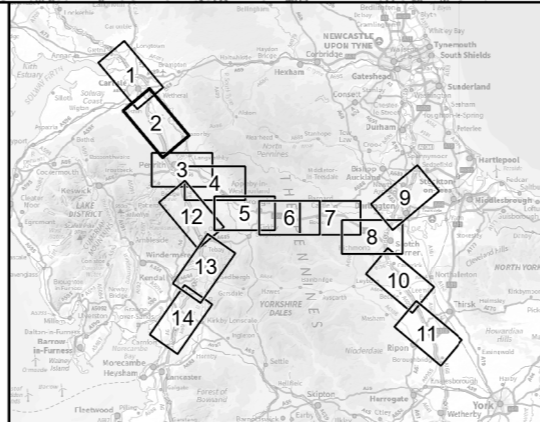
- >1% increase
- >1% reduction

Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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

Kilometres

0 2 4

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

© Crown copyright and database rights (2022). All rights reserved. OS 100030649. Contains public sector information licensed under the Open Government Licence v3.0.

© Cumbria County Council © Durham County Council
© North Yorkshire County Council © Richmondshire County Council
Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

Project Name
A66 Northern Trans-Pennine Project

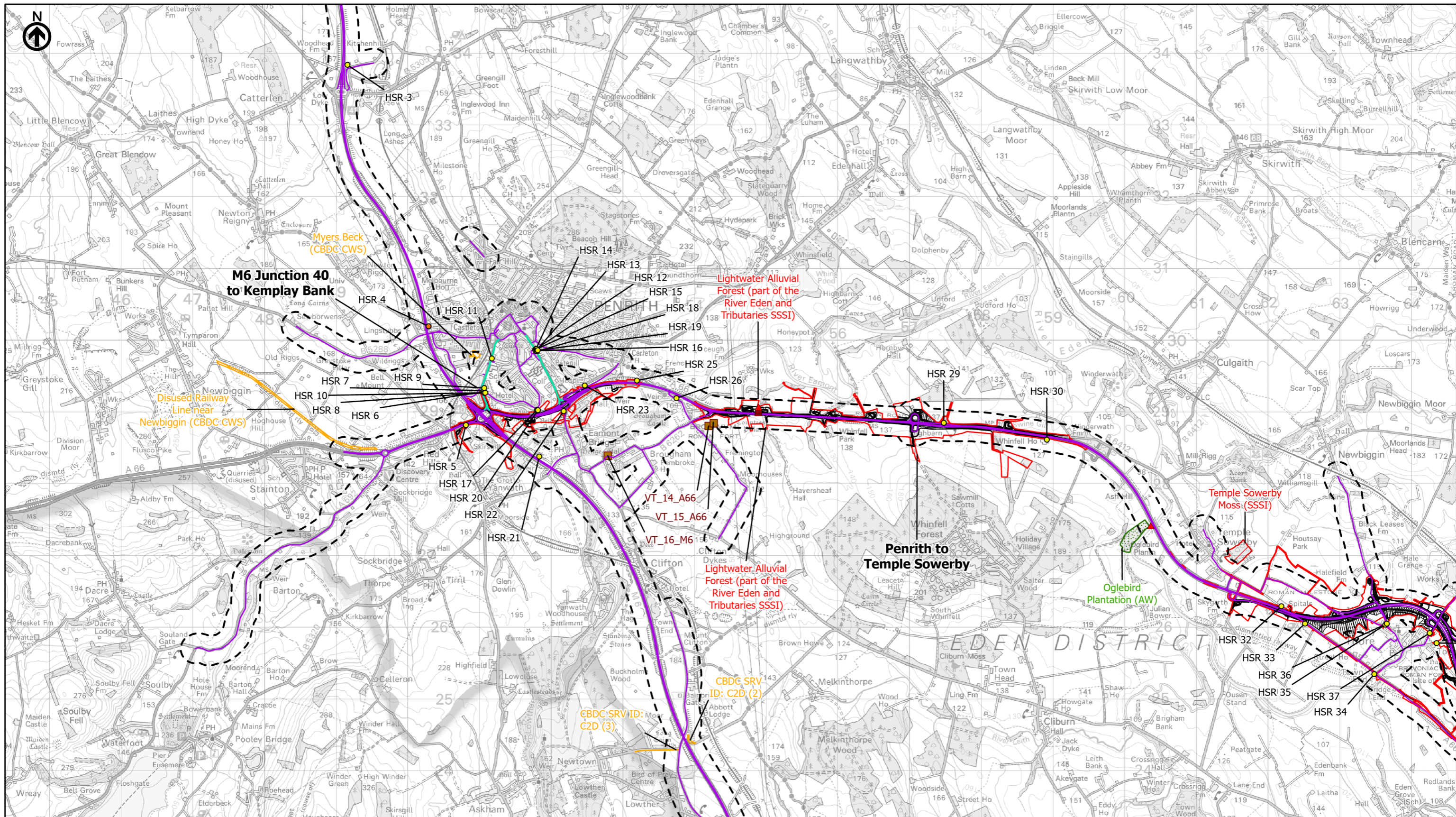
Map Title
Figure 5.4

Air Quality Operational Phase Assessment

Sheet 2 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002053
Location		Type	Role

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)

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

Change in nitrogen deposition relative to lower critical load (2029)

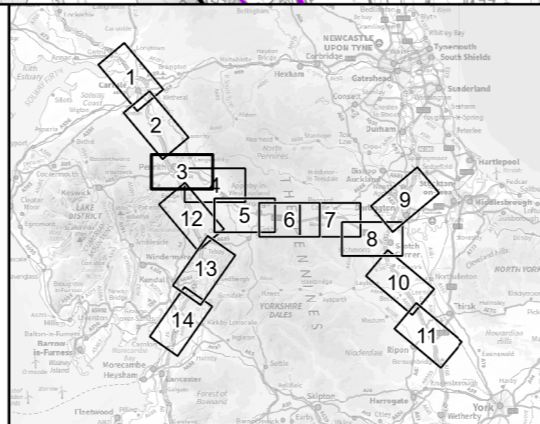
- >1% increase
- >1% reduction

Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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	

Kilometres

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

© Crown copyright and database rights (2022). All rights reserved. OS 100030649.
Contains public sector information licensed under the Open Government Licence v3.0.
© Cumbria County Council © Durham County Council
© North Yorkshire County Council © Richmondshire County Council
Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

Project Name
A66 Northern Trans-Pennine Project

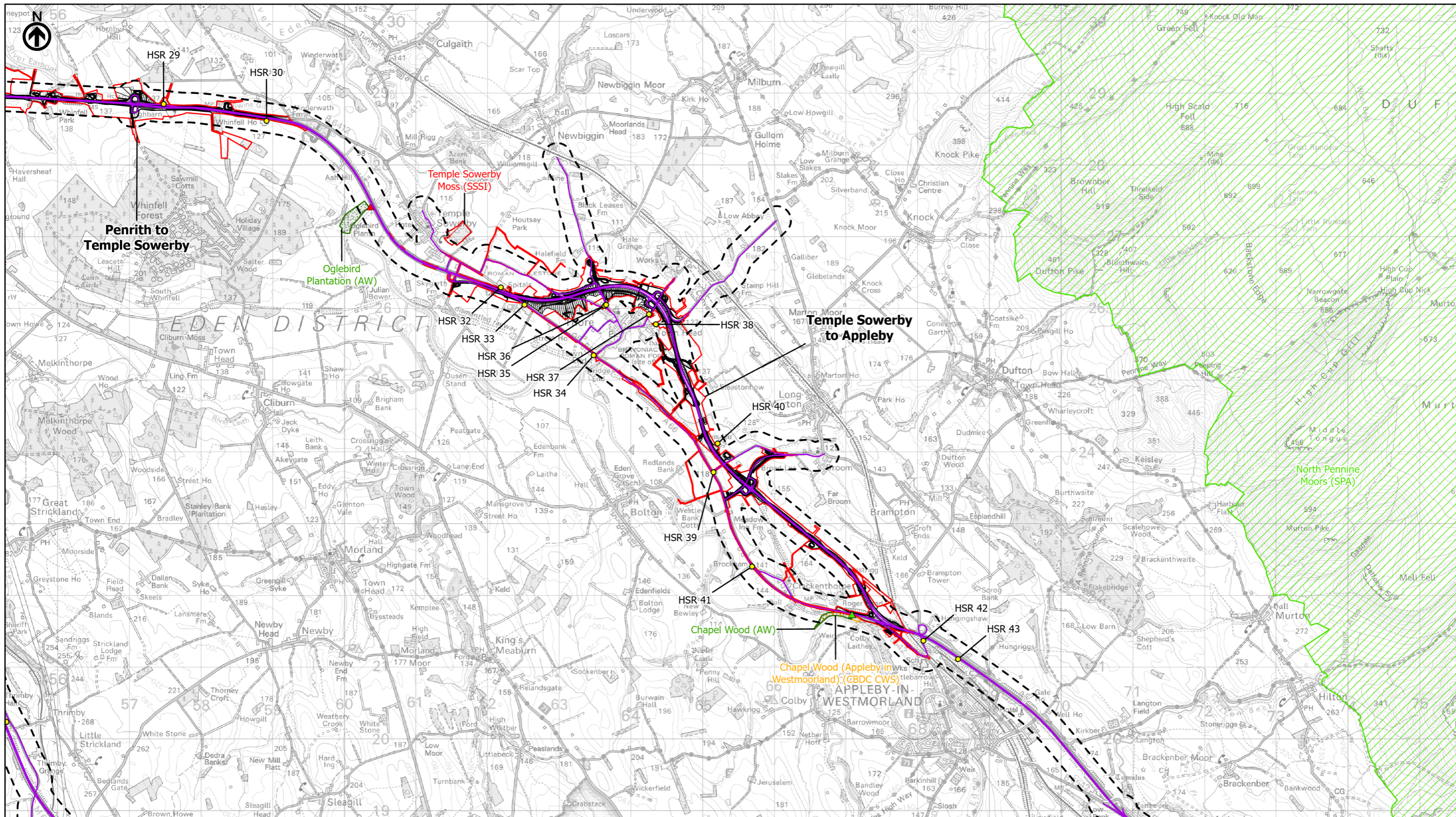
Map Title
Figure 5.4

Air Quality Operational Phase Assessment

Sheet 3 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002054
Location		Type	Role

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)

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

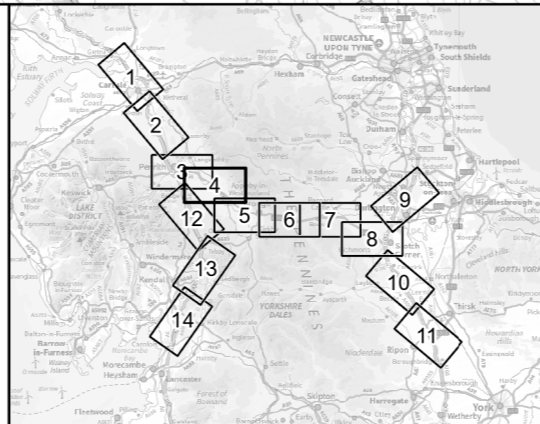
Change in nitrogen deposition relative to lower critical load (2029)

- >1% increase
- >1% reduction
- Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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

Kilometres

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

© Crown copyright and database rights (2022). All rights reserved. OS 100030649. Contains public sector information licensed under the Open Government Licence v3.0.
© Cumbria County Council © Durham County Council
© North Yorkshire County Council © Richmondshire County Council
Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

Project Name
A66 Northern Trans-Pennine Project

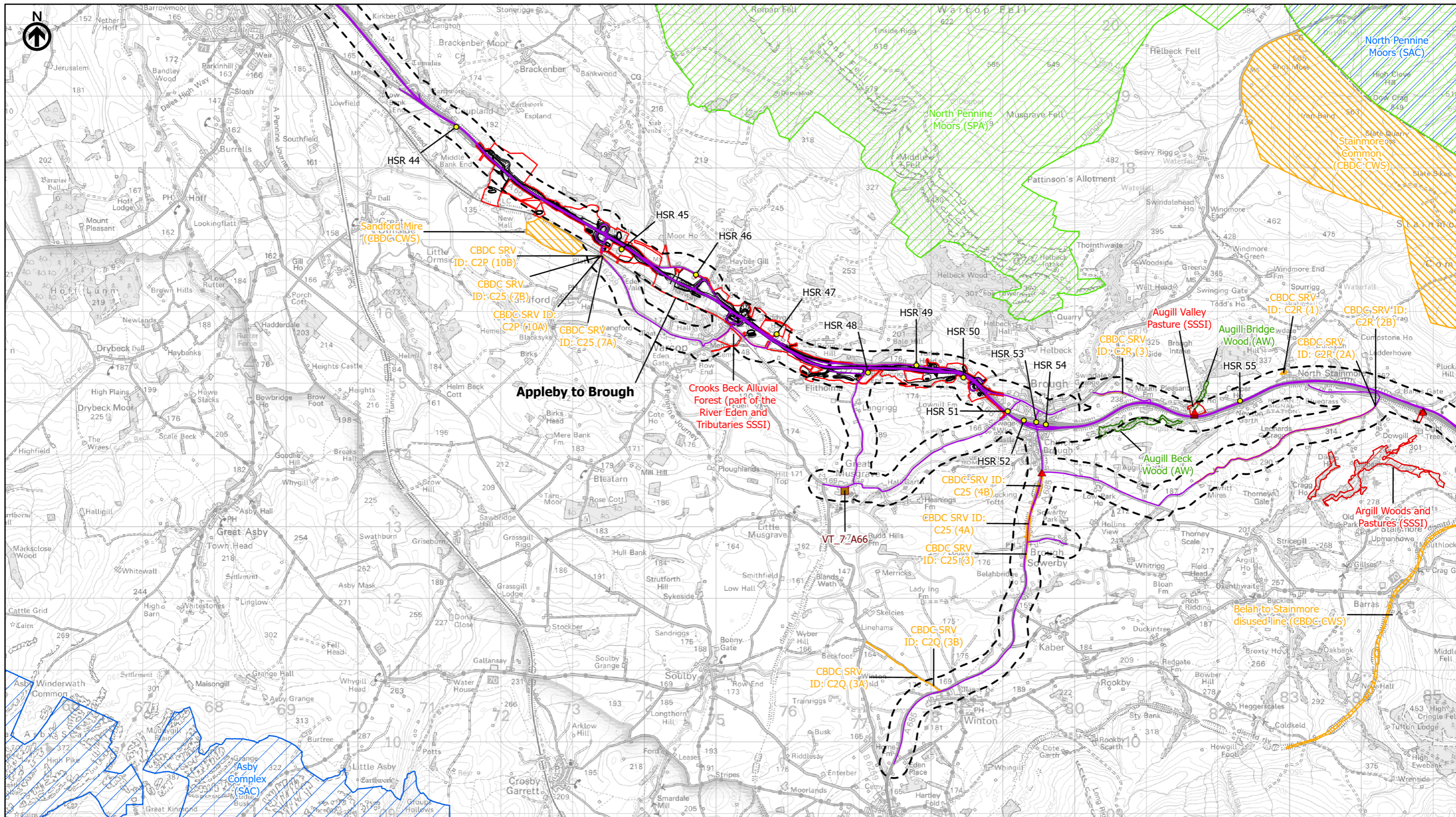
Map Title
Figure 5.4

Air Quality Operational Phase Assessment

Sheet 4 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002055
Location		Type	Role

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)

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

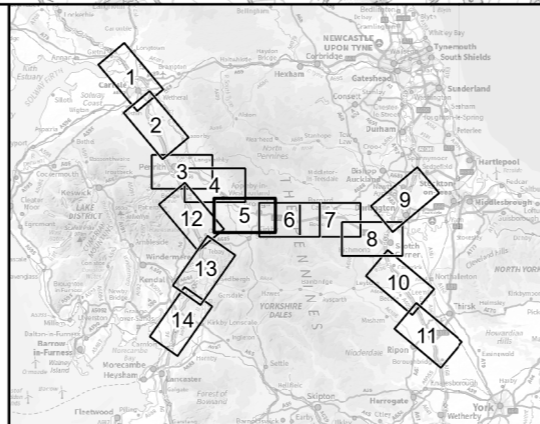
Change in nitrogen deposition relative to lower critical load (2029)

- >1% increase
- >1% reduction
- Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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	

Kilometres

0 2 4

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

© Crown copyright and database rights (2022). All rights reserved. OS 100030649. Contains public sector information licensed under the Open Government Licence v3.0.

© Cumbria County Council © Durham County Council
© North Yorkshire County Council © Richmondshire County Council
Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

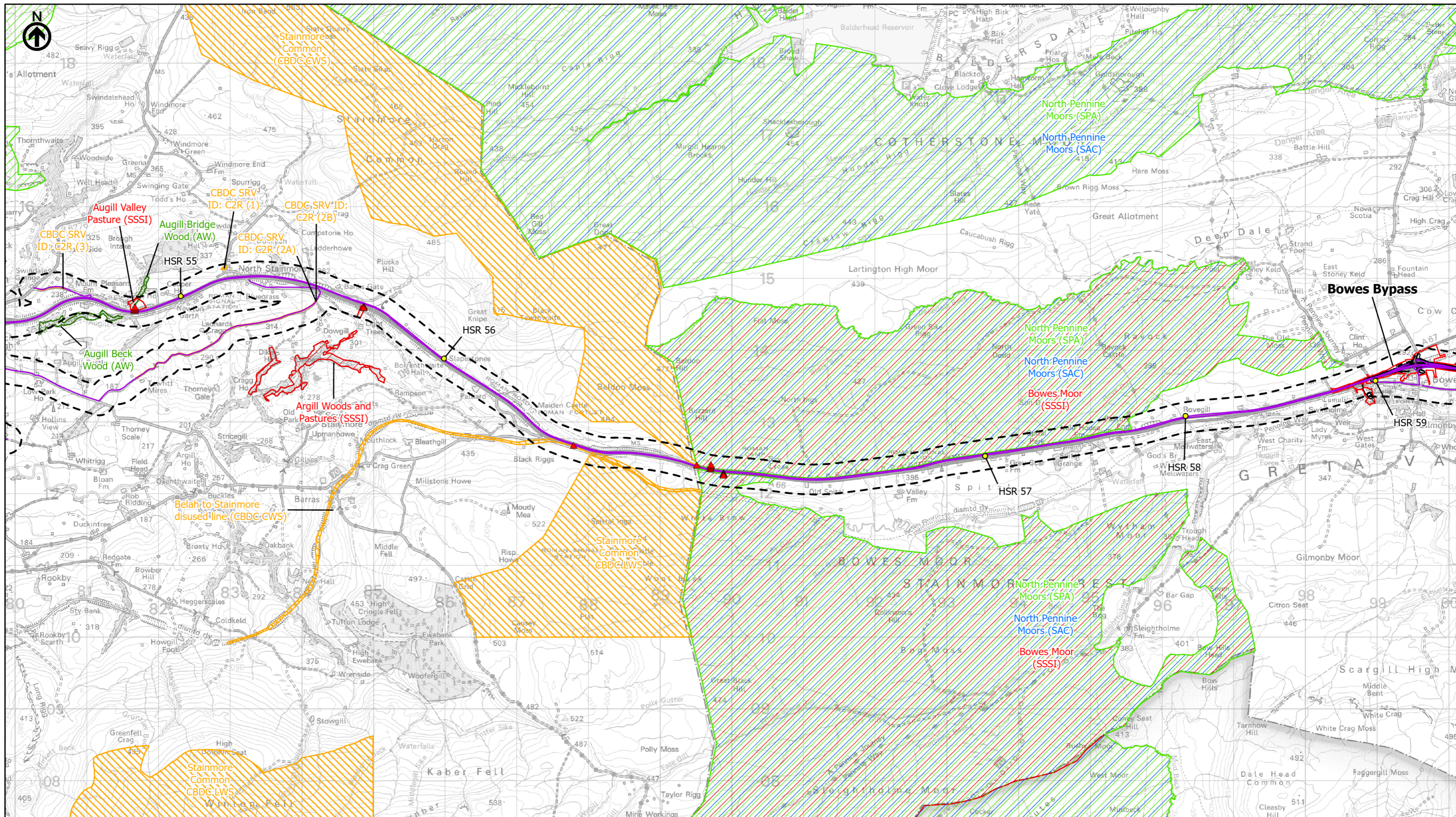
Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.4

Air Quality Operational Phase Assessment

Sheet 5 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002056
Location		Type	Role
Suitability	S4	Suitability Description	Revision
		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)

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

Change in nitrogen deposition relative to lower critical load (2029)

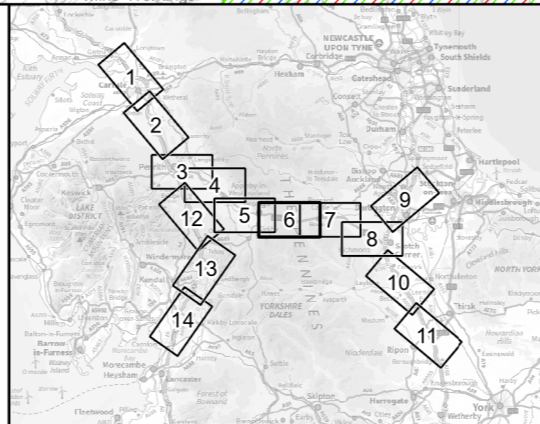
- >1% increase
- >1% reduction

Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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	

Kilometres

0 2 4

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

© Crown copyright and database rights (2022). All rights reserved. OS 100030649.
 Contains public sector information licensed under the Open Government Licence v3.0.
 © Cumbria County Council © Durham County Council
 © North Yorkshire County Council © Richmondshire County Council
 Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

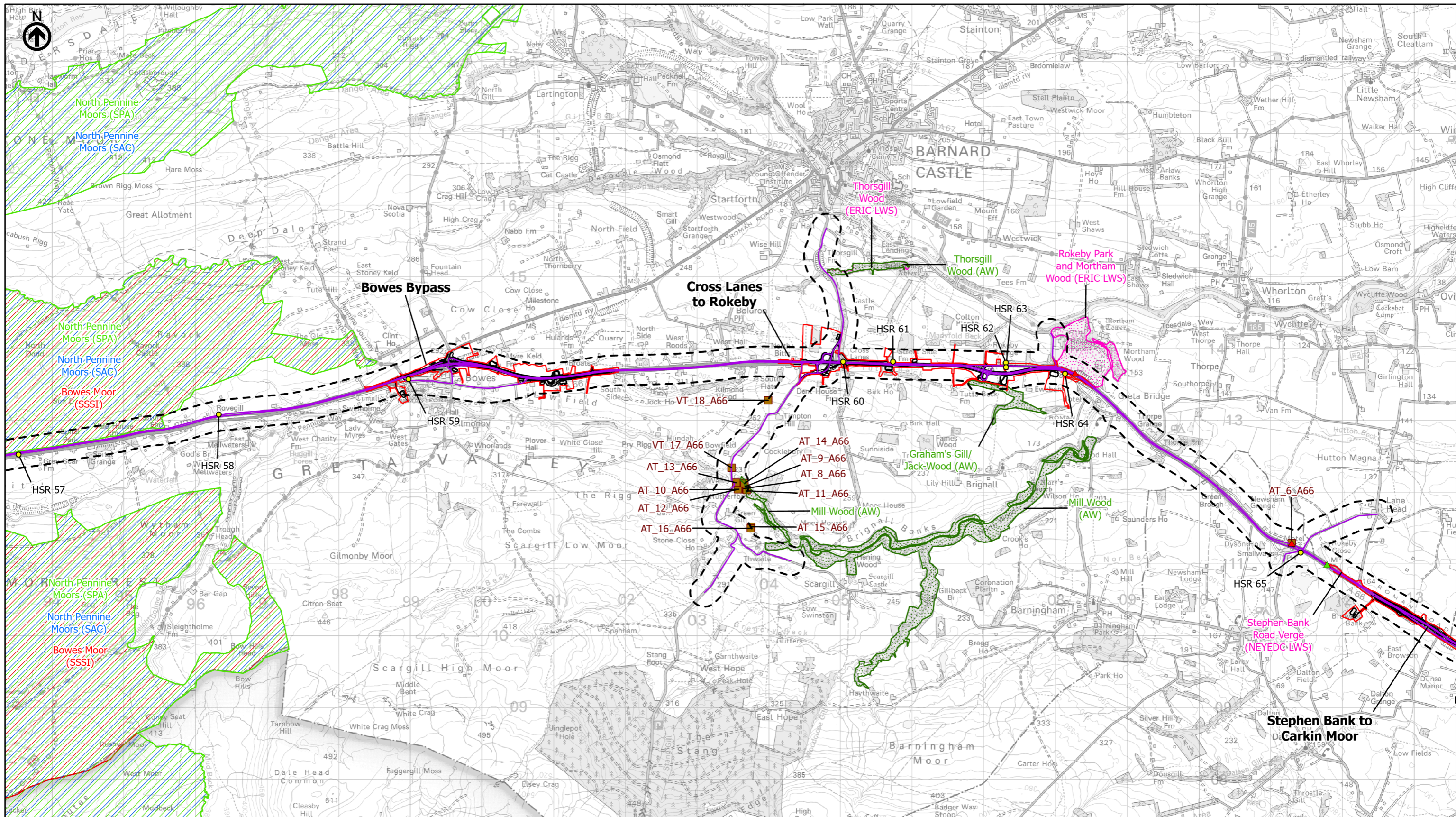
Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.4

Air Quality Operational Phase Assessment
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

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

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

Change in nitrogen deposition relative to lower critical load (2029)

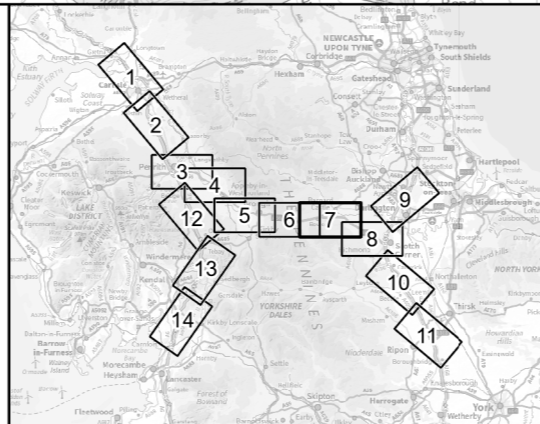
- >1% increase
- >1% reduction

Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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

Kilometres

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

© Crown copyright and database rights (2022). All rights reserved. OS 100030649. Contains public sector information licensed under the Open Government Licence v3.0.

© Cumbria County Council © Durham County Council
© North Yorkshire County Council © Richmondshire County Council
Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

Project Name
A66 Northern Trans-Pennine Project

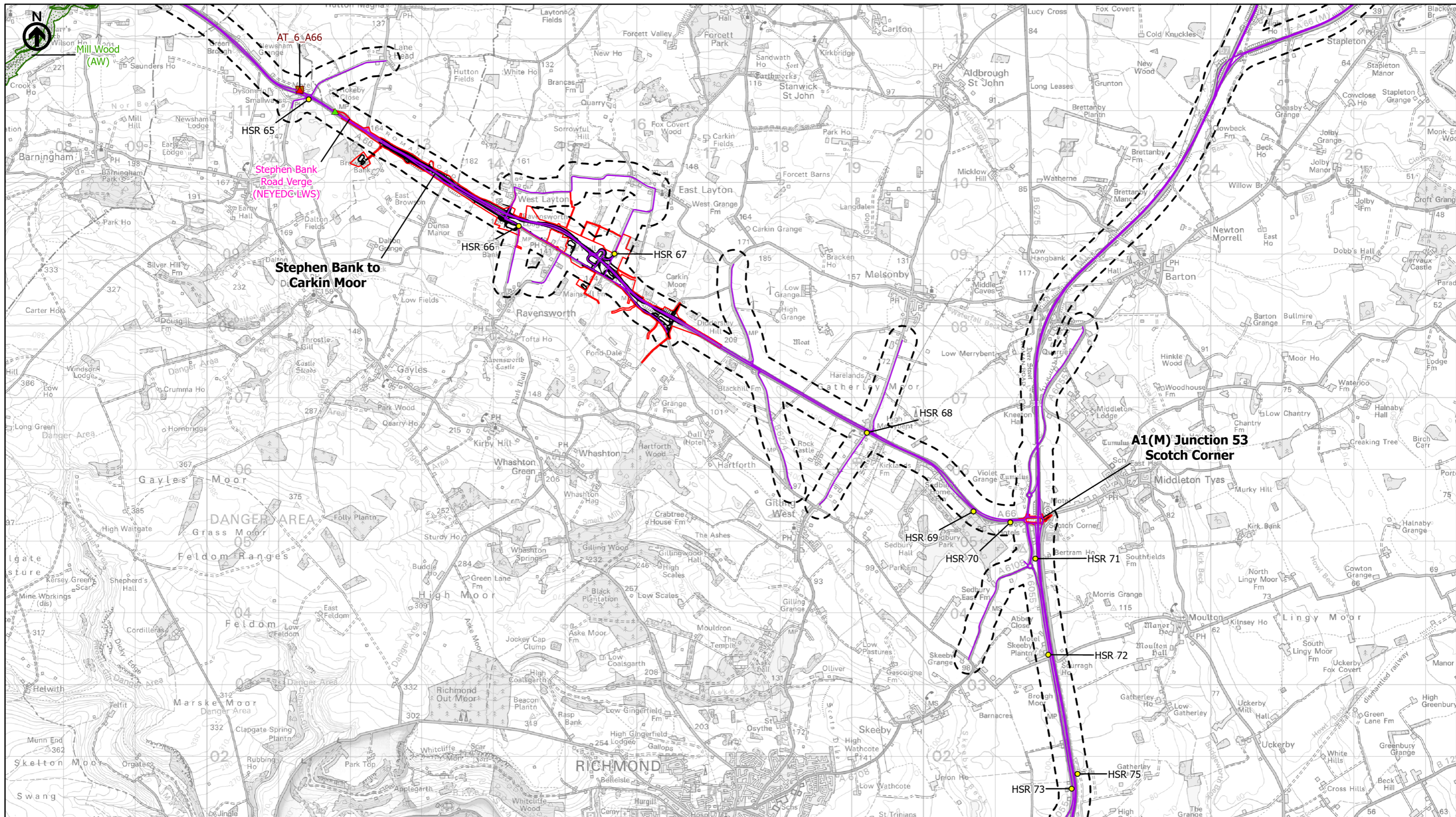
Map Title
Figure 5.4

Air Quality Operational Phase Assessment

Sheet 7 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002058
Location	-	Type	Role

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)

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

Change in nitrogen deposition relative to lower critical load (2029)

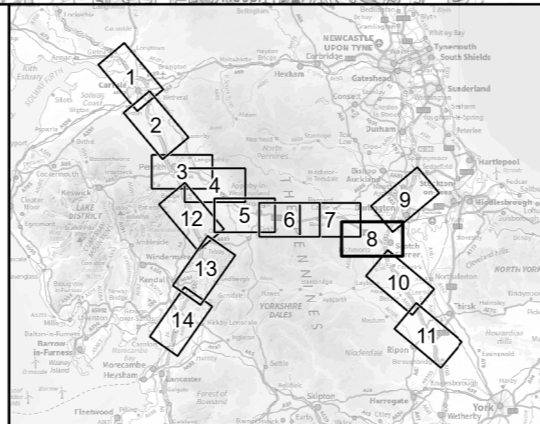
- >1% increase
- >1% reduction

Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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	

Kilometres

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

© Crown copyright and database rights (2022). All rights reserved. OS 100030649. Contains public sector information licensed under the Open Government Licence v3.0. © Cumbria County Council © Durham County Council © North Yorkshire County Council © Richmondshire County Council Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

Project Name
A66 Northern Trans-Pennine Project

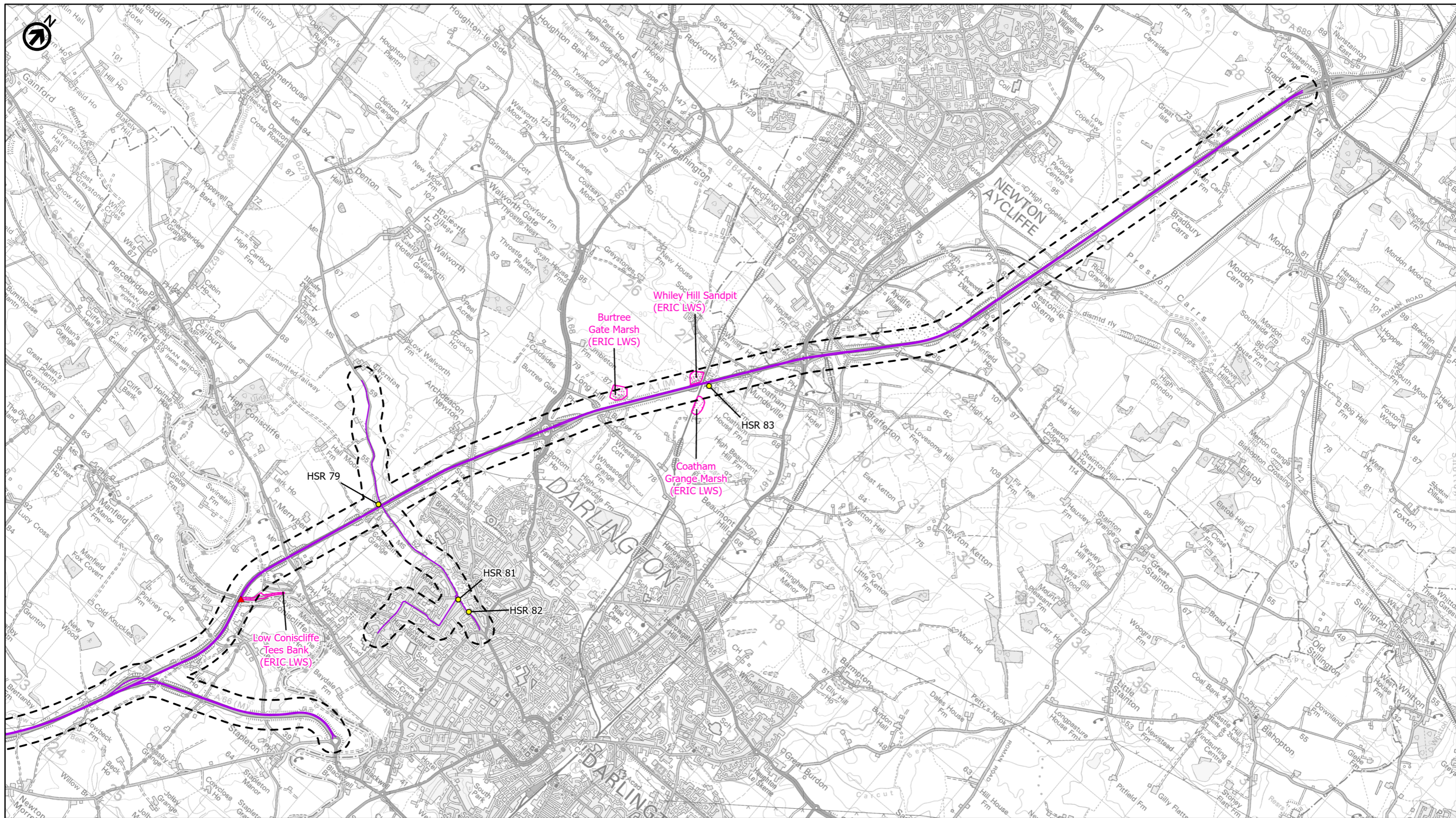
Map Title
Figure 5.4

Air Quality Operational Phase Assessment

Sheet 8 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

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

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

Change in nitrogen deposition relative to lower critical load (2029)

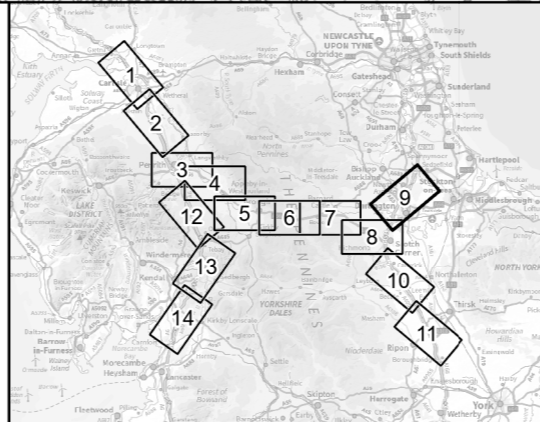
- >1% increase
- >1% reduction

Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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

Kilometres

0 2 4

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

© Crown copyright and database rights (2022). All rights reserved. OS 100030649. Contains public sector information licensed under the Open Government Licence v3.0.

© Cumbria County Council © Durham County Council
© North Yorkshire County Council © Richmondshire County Council
Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

Project Name
A66 Northern Trans-Pennine Project

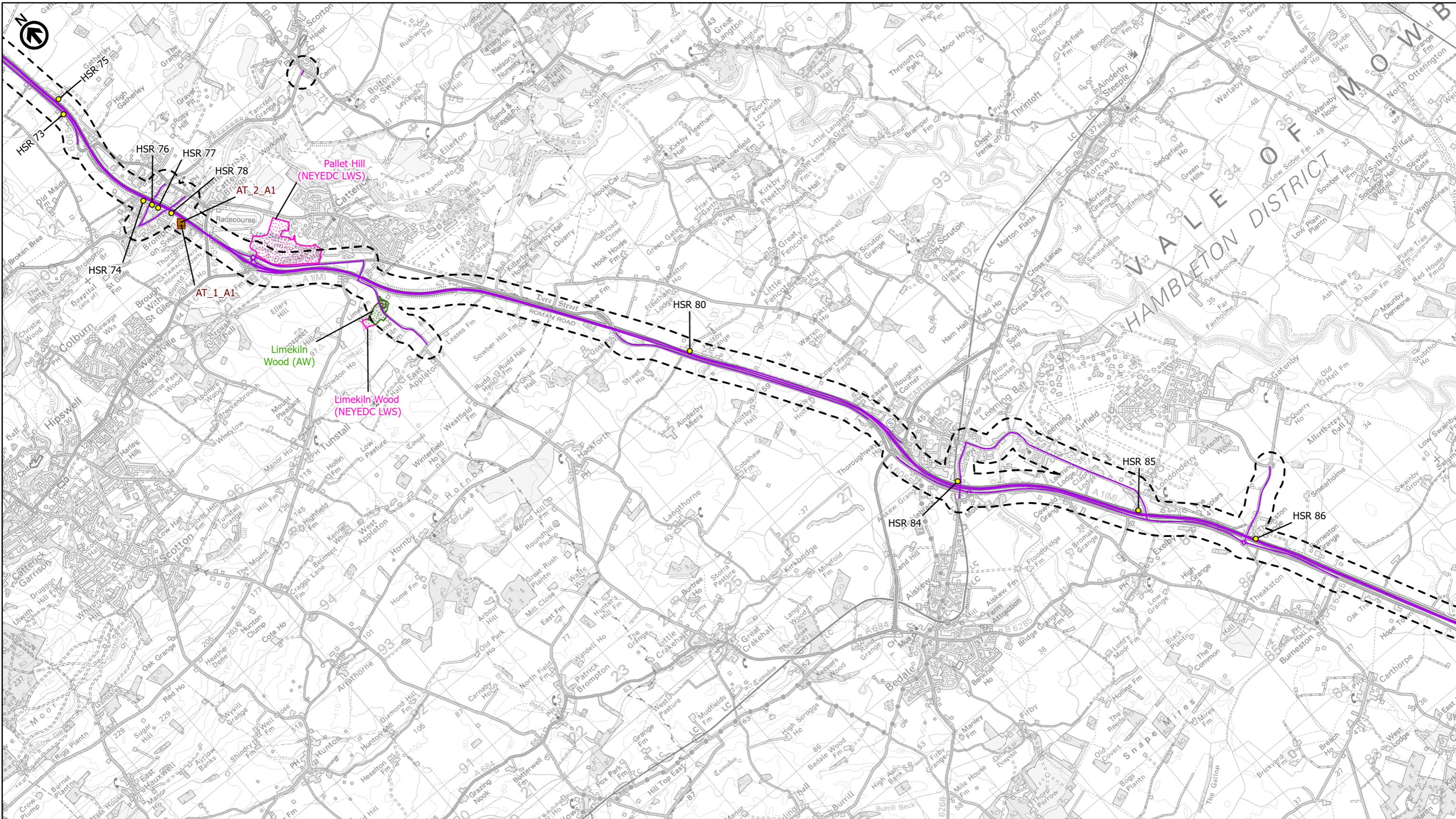
Map Title
Figure 5.4

Air Quality Operational Phase Assessment

Sheet 9 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002060
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)

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

Change in nitrogen deposition relative to lower critical load (2029)

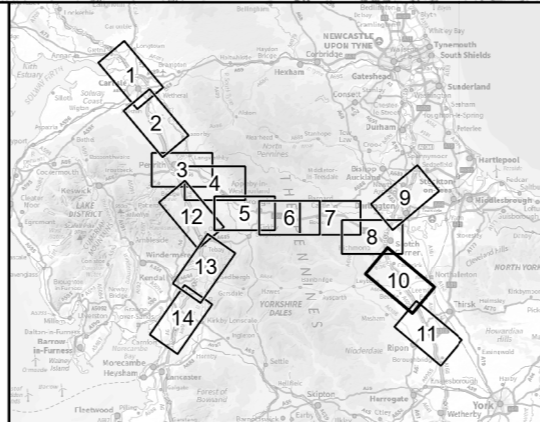
- >1% increase
- >1% reduction

Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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	

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

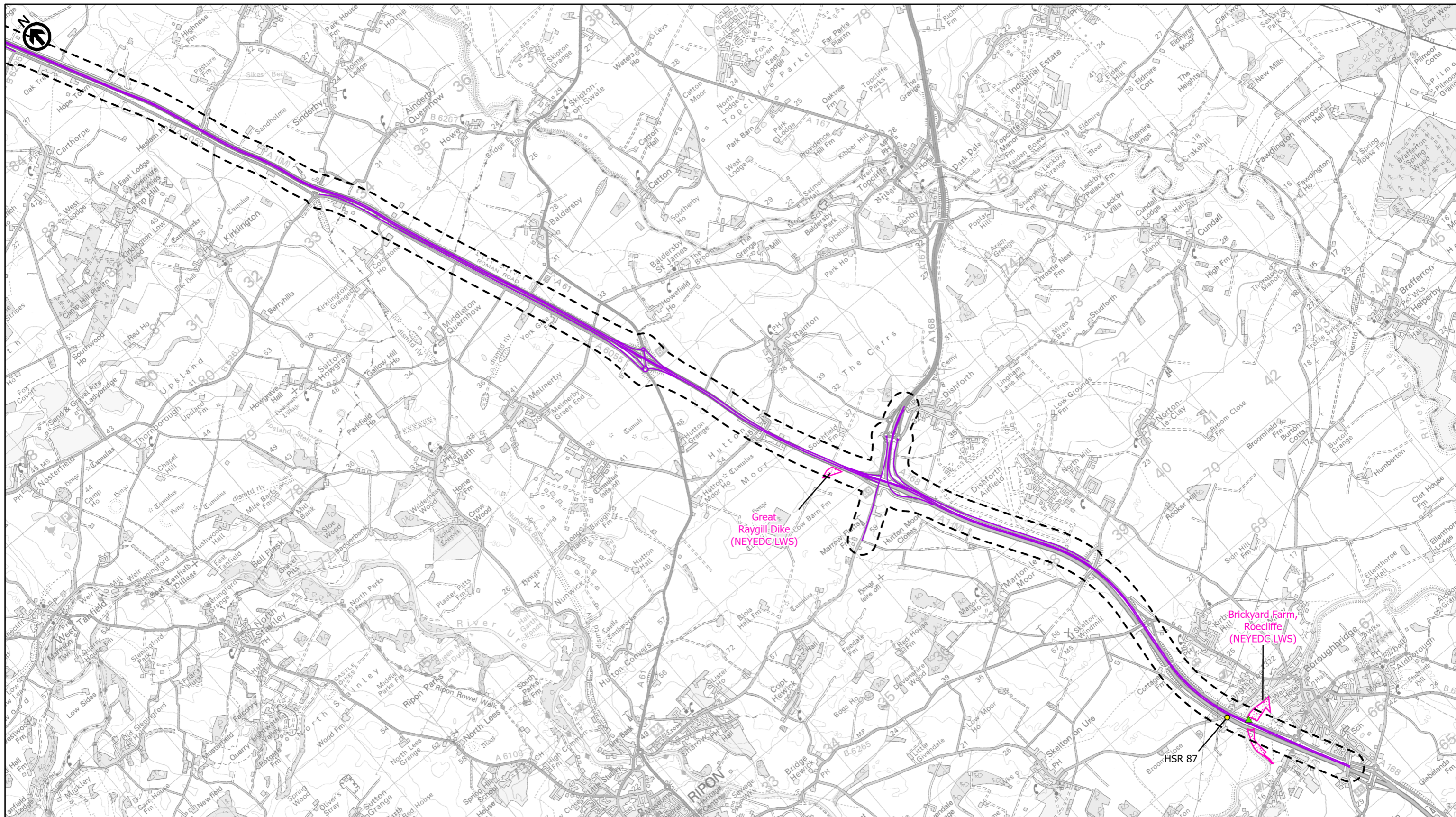
© Crown copyright and database rights (2022). All rights reserved. OS 100030649.
Contains public sector information licensed under the Open Government Licence v3.0.
© Cumbria County Council © Durham County Council
© North Yorkshire County Council © Richmondshire County Council
Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.4
Air Quality Operational Phase Assessment
Sheet 10 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002061
Location		Type	Role

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)

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

Change in nitrogen deposition relative to lower critical load (2029)

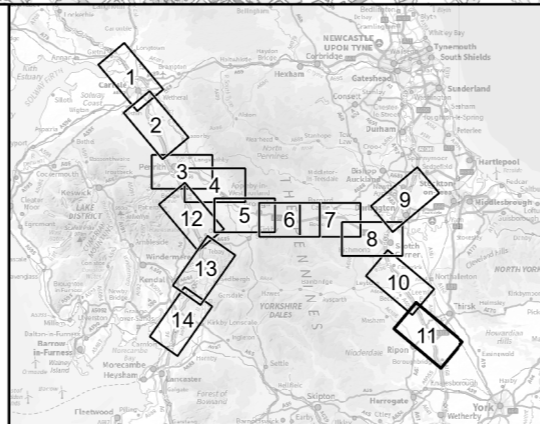
- >1% increase
- >1% reduction

Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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	

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

© Crown copyright and database rights (2022). All rights reserved. OS 100030649. Contains public sector information licensed under the Open Government Licence v3.0. © Cumbria County Council © Durham County Council © North Yorkshire County Council © Richmondshire County Council Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

Project Name
A66 Northern Trans-Pennine Project

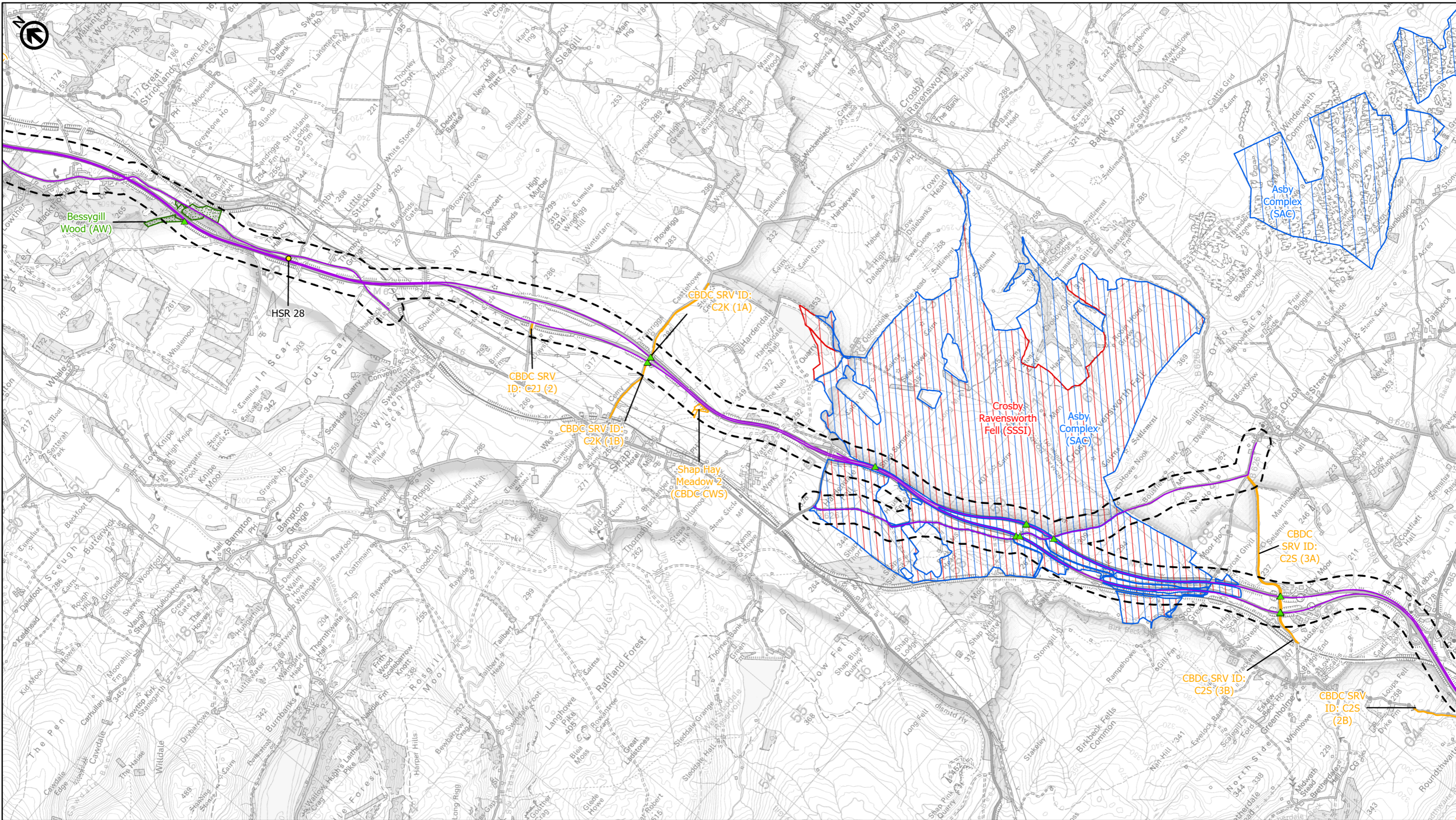
Map Title
Figure 5.4

Air Quality Operational Phase Assessment

Sheet 11 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002062
Location	-	Type	Role

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)

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

Change in nitrogen deposition relative to lower critical load (2029)

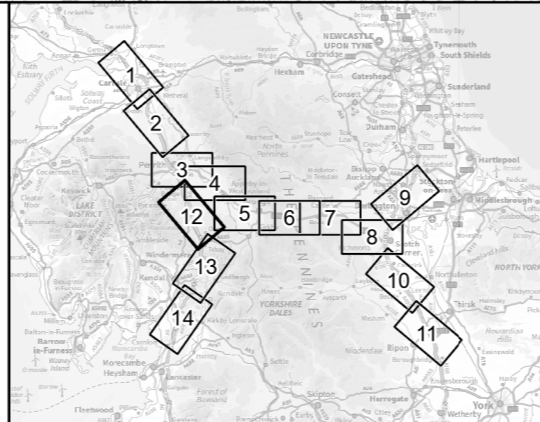
- >1% increase
- >1% reduction

Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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

Kilometres

0 2 4

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

© Crown copyright and database rights (2022). All rights reserved. OS 100030649.
 Contains public sector information licensed under the Open Government Licence v3.0.
 © Cumbria County Council © Durham County Council
 © North Yorkshire County Council © Richmondshire County Council
 Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

Project Name
A66 Northern Trans-Pennine Project

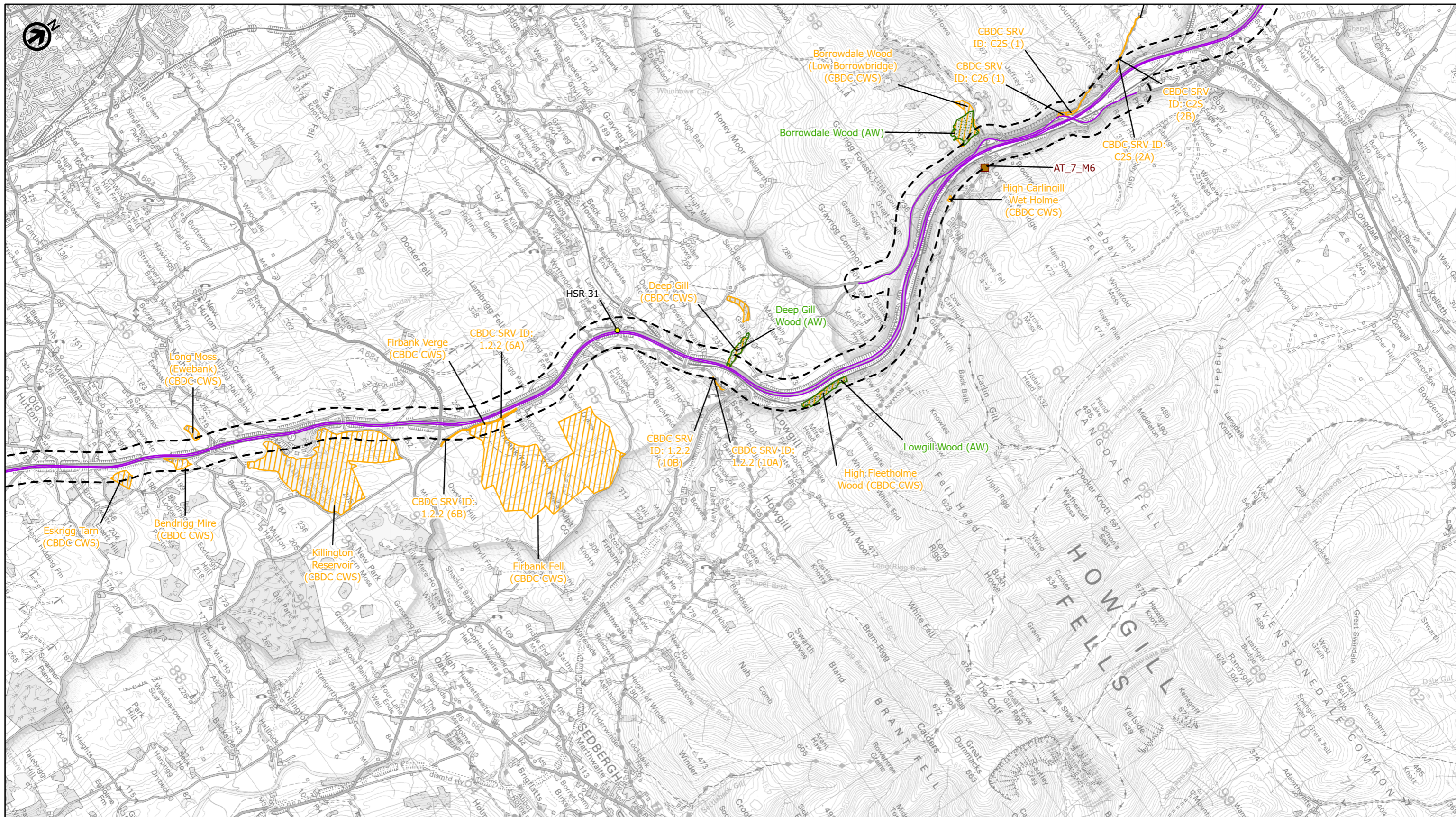
Map Title
Figure 5.4

Air Quality Operational Phase Assessment

Sheet 12 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002063
Location		Type	Role

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)

Human Sensitive Receptor (HSR)
Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor
Change in nitrogen deposition relative to lower critical load (2029)

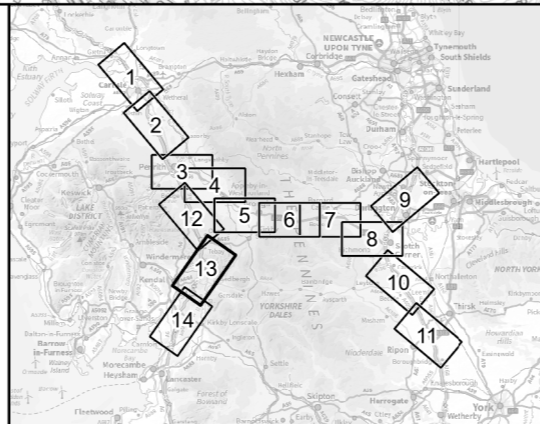
- >1% increase
- >1% reduction

Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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	

Kilometres
 0 2 4

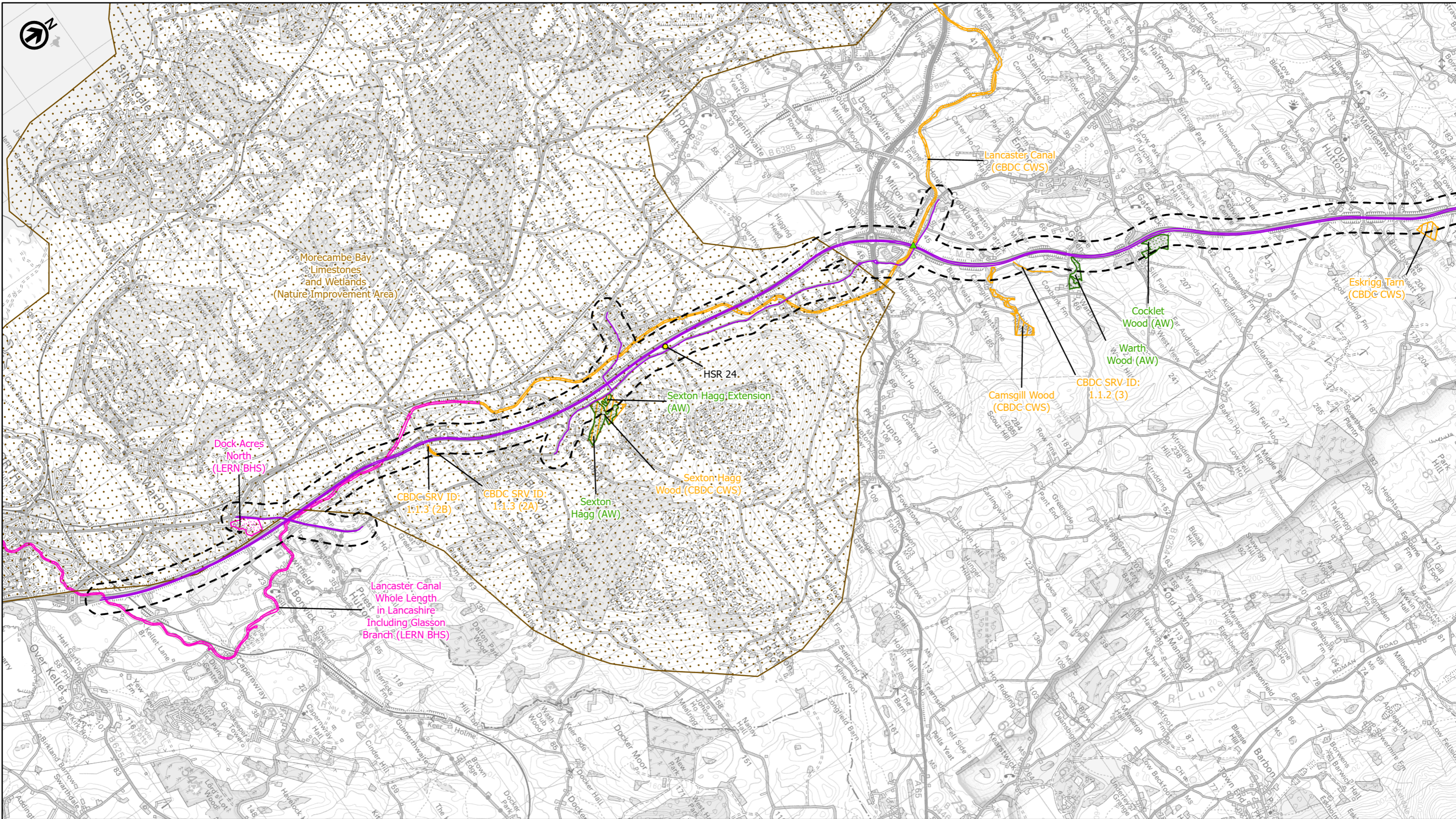
Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3
 © Crown copyright and database rights (2022). All rights reserved. OS 100030649.
 Contains public sector information licensed under the Open Government Licence v3.0.
 © Cumbria County Council © Durham County Council
 © North Yorkshire County Council © Richmondshire County Council
 Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.4
Air Quality Operational Phase Assessment
Sheet 13 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

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

Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Something Scenario (2029)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Designated Ecological Site Receptor

Change in nitrogen deposition relative to lower critical load (2029)

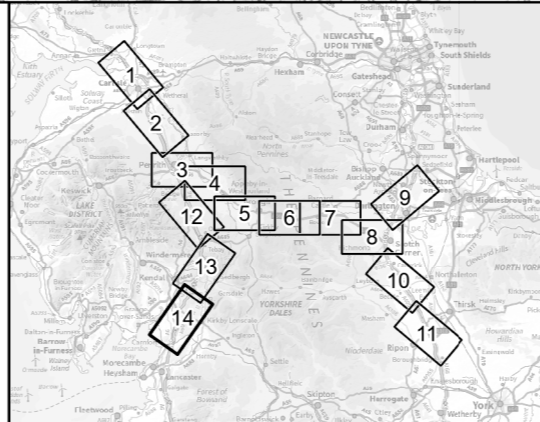
- >1% increase
- >1% reduction

Designated Ecological Site Receptor Transect

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

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

Kilometres

0 2 4

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

© Crown copyright and database rights (2022). All rights reserved. OS 100030649. Contains public sector information licensed under the Open Government Licence v3.0. © Cumbria County Council © Durham County Council © North Yorkshire County Council © Richmondshire County Council Data provided by CBDC (2021), ERIC NE (2021), LERN (2021) and NEYEDC (2021)

Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.4

Air Quality Operational Phase Assessment

Sheet 14 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002065
Location		Type	Role

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02