



# **Norwich Western Link**

## **Environmental Statement**

### **Chapter 10: Biodiversity**

#### **Appendix 10.34: Air Quality Ecological Impact Assessment**

##### **Sub Appendix A: Figures and Background Information**

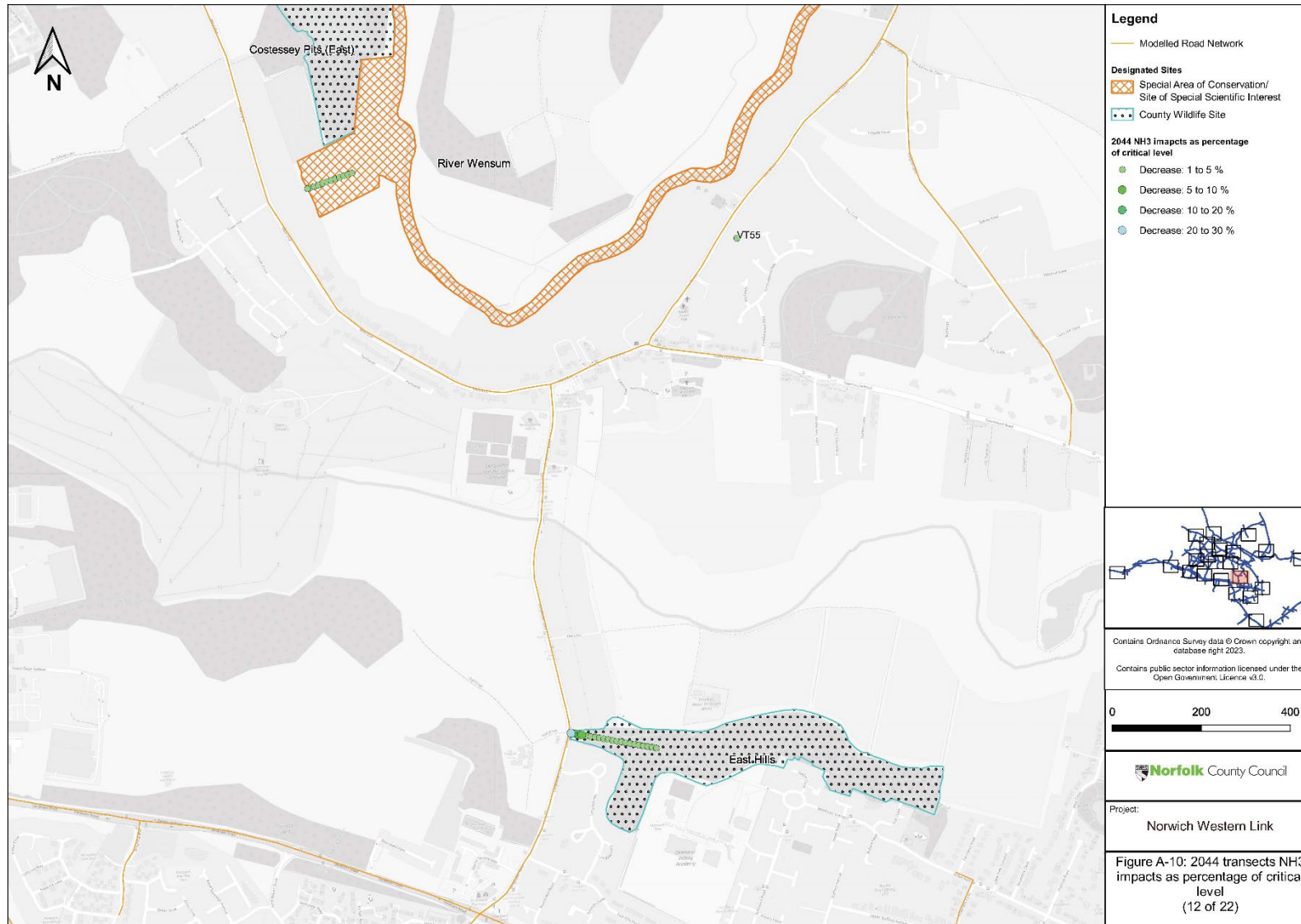
###### **Part 5 of 5**

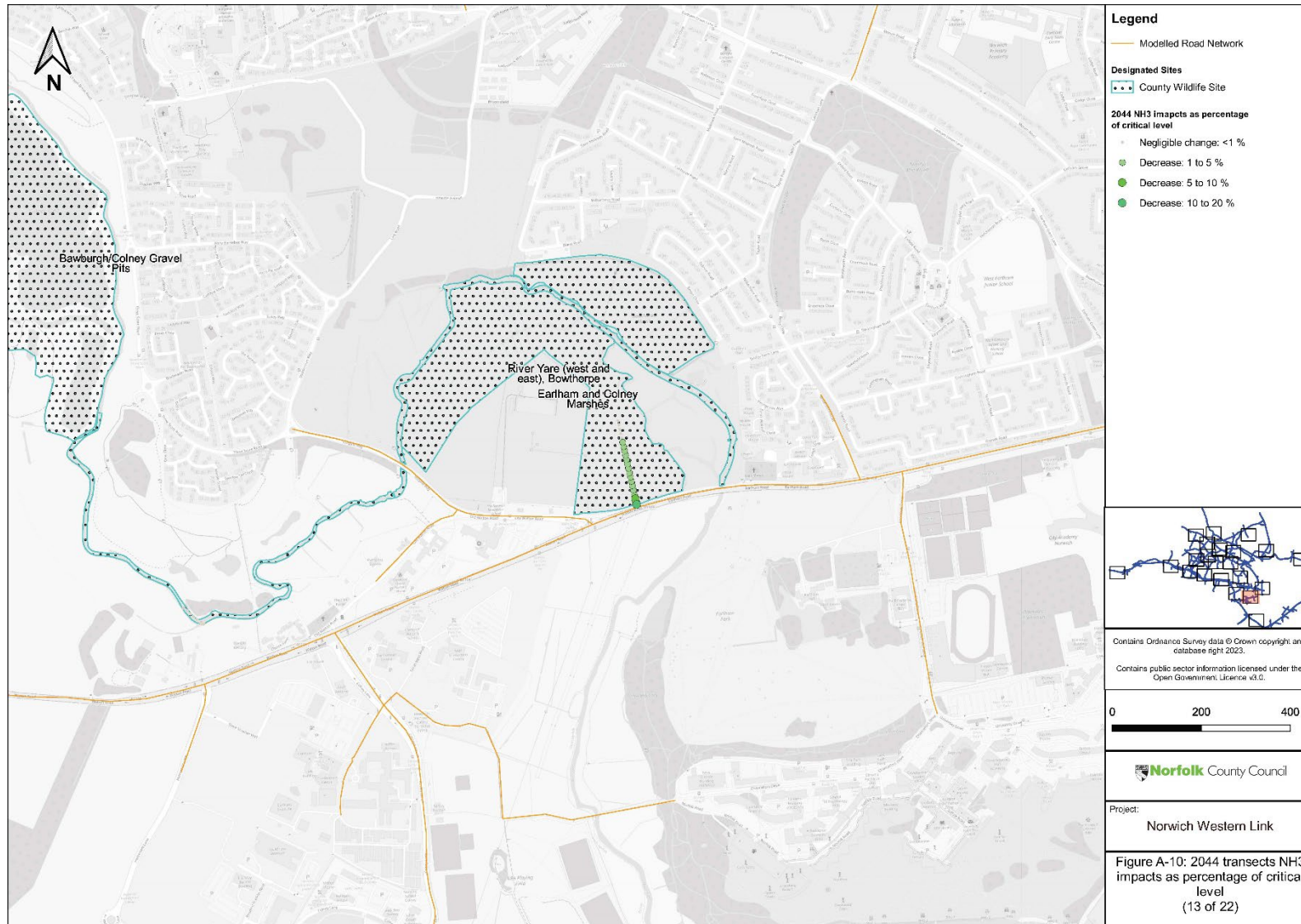
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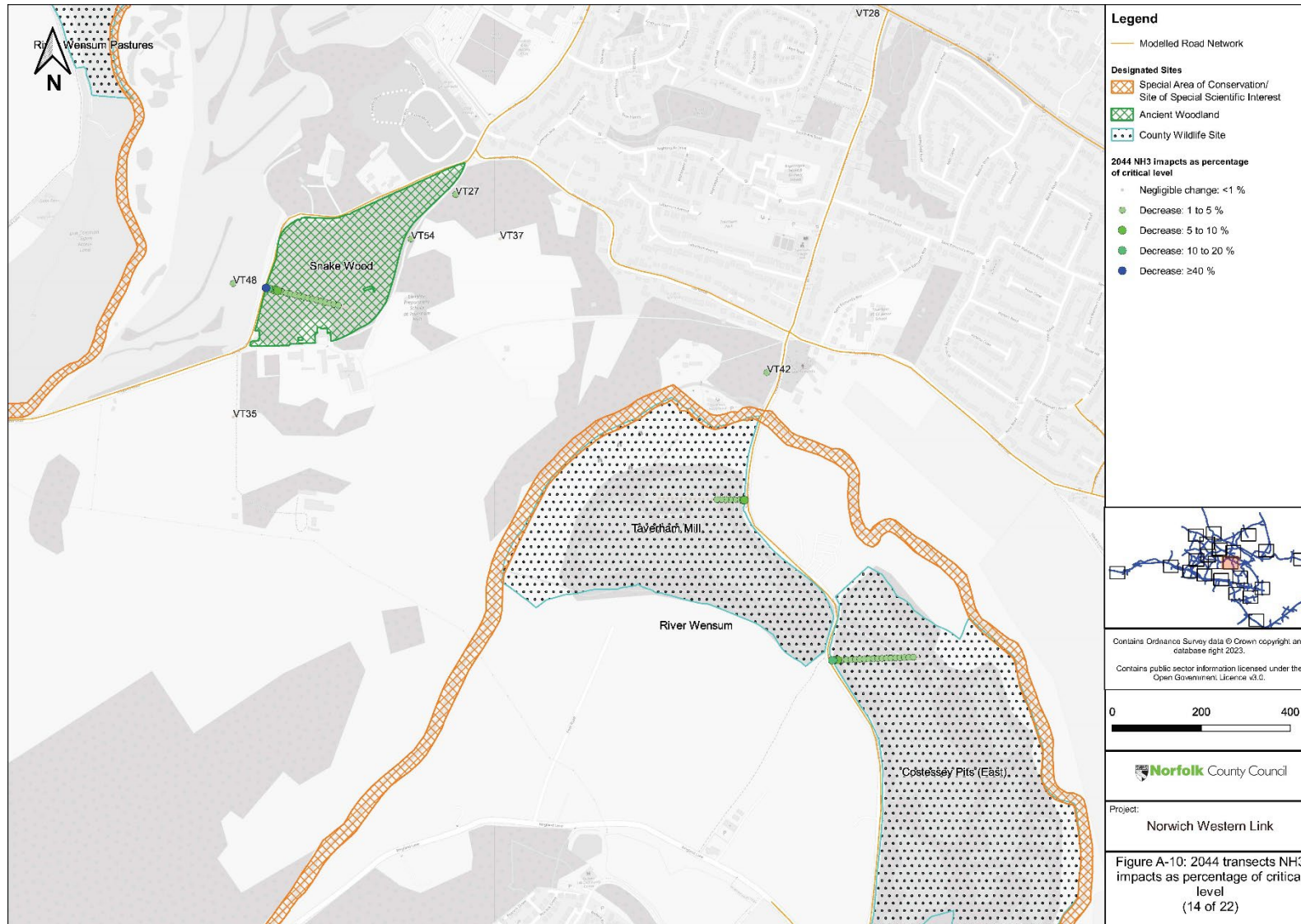
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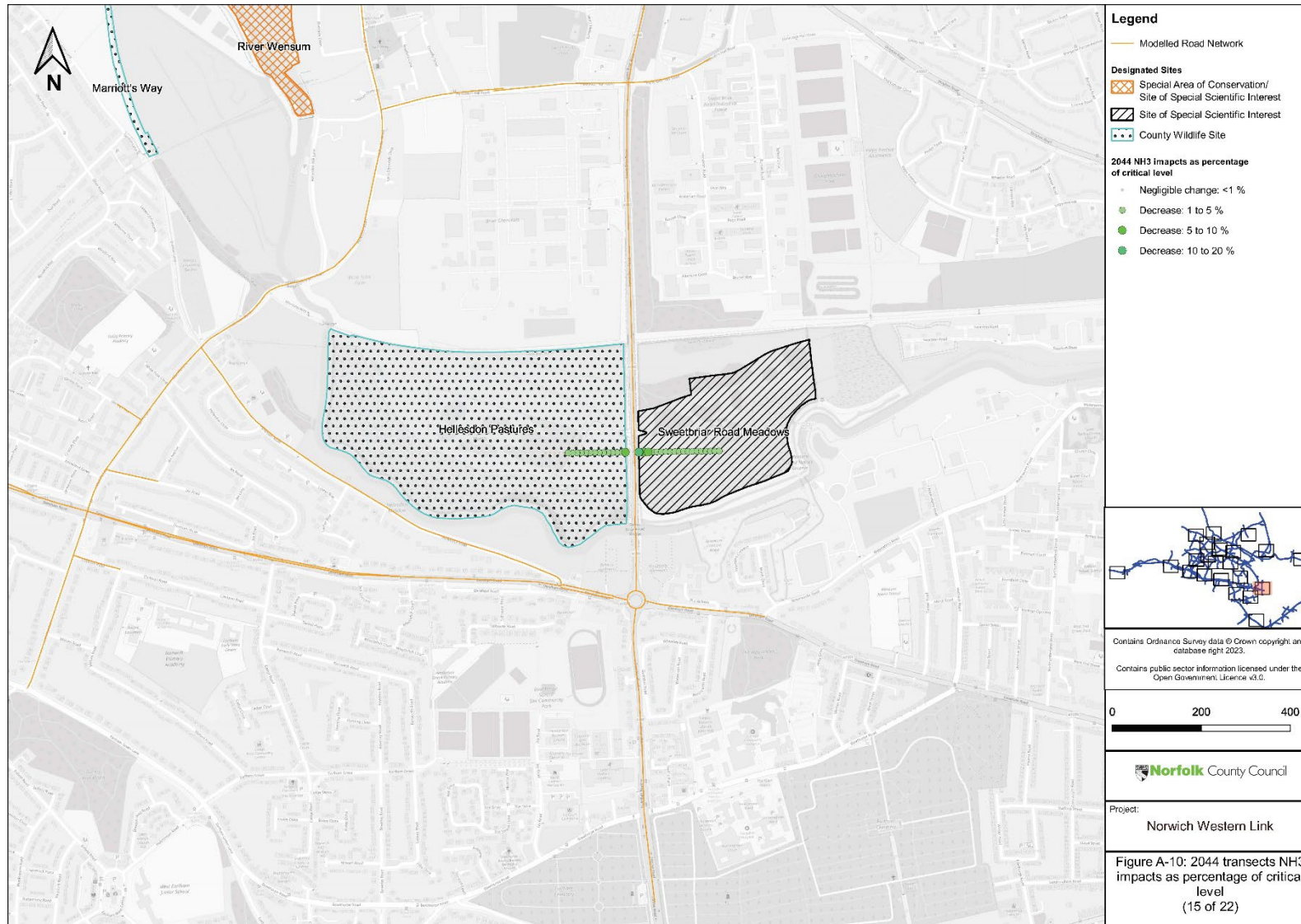
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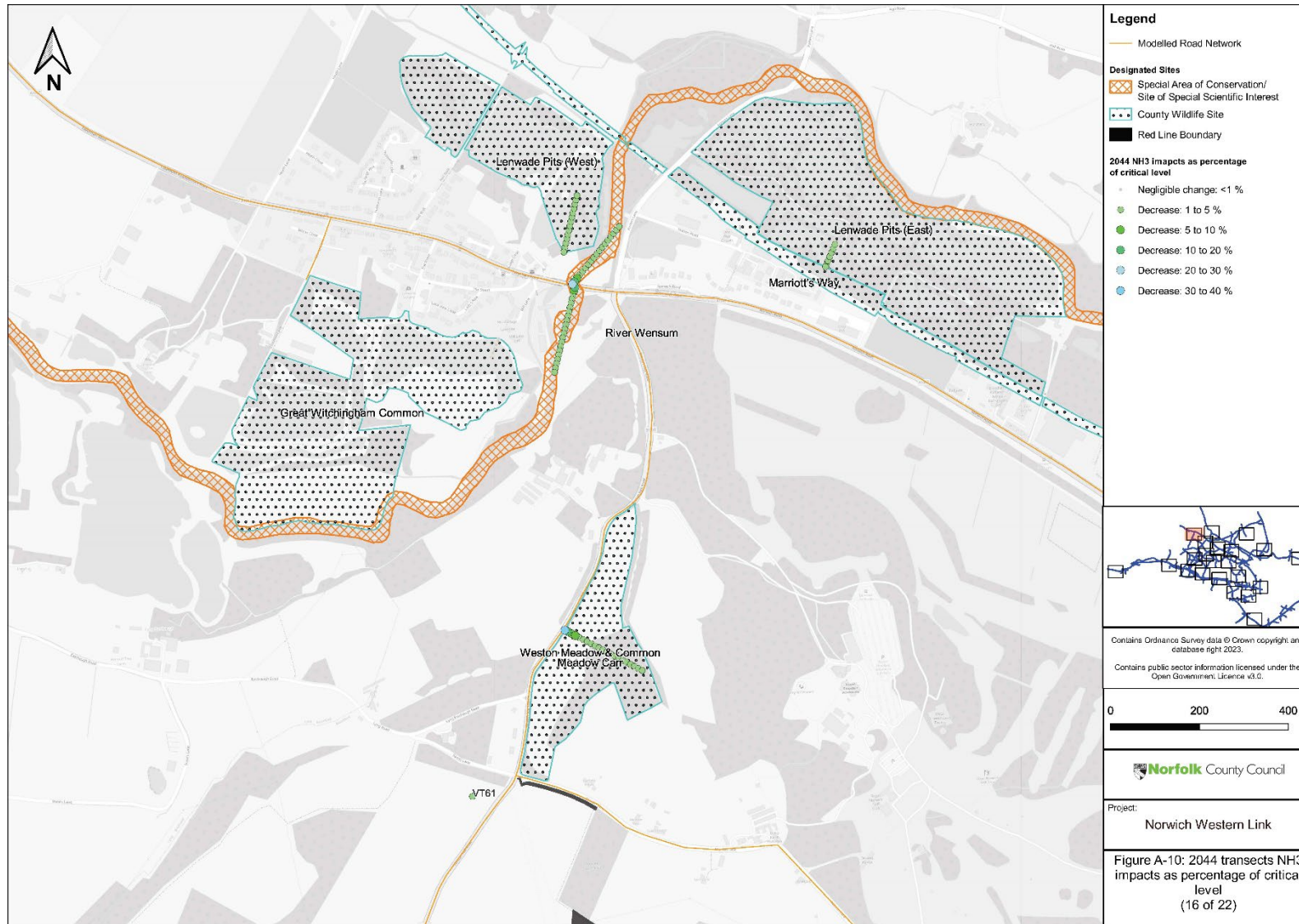


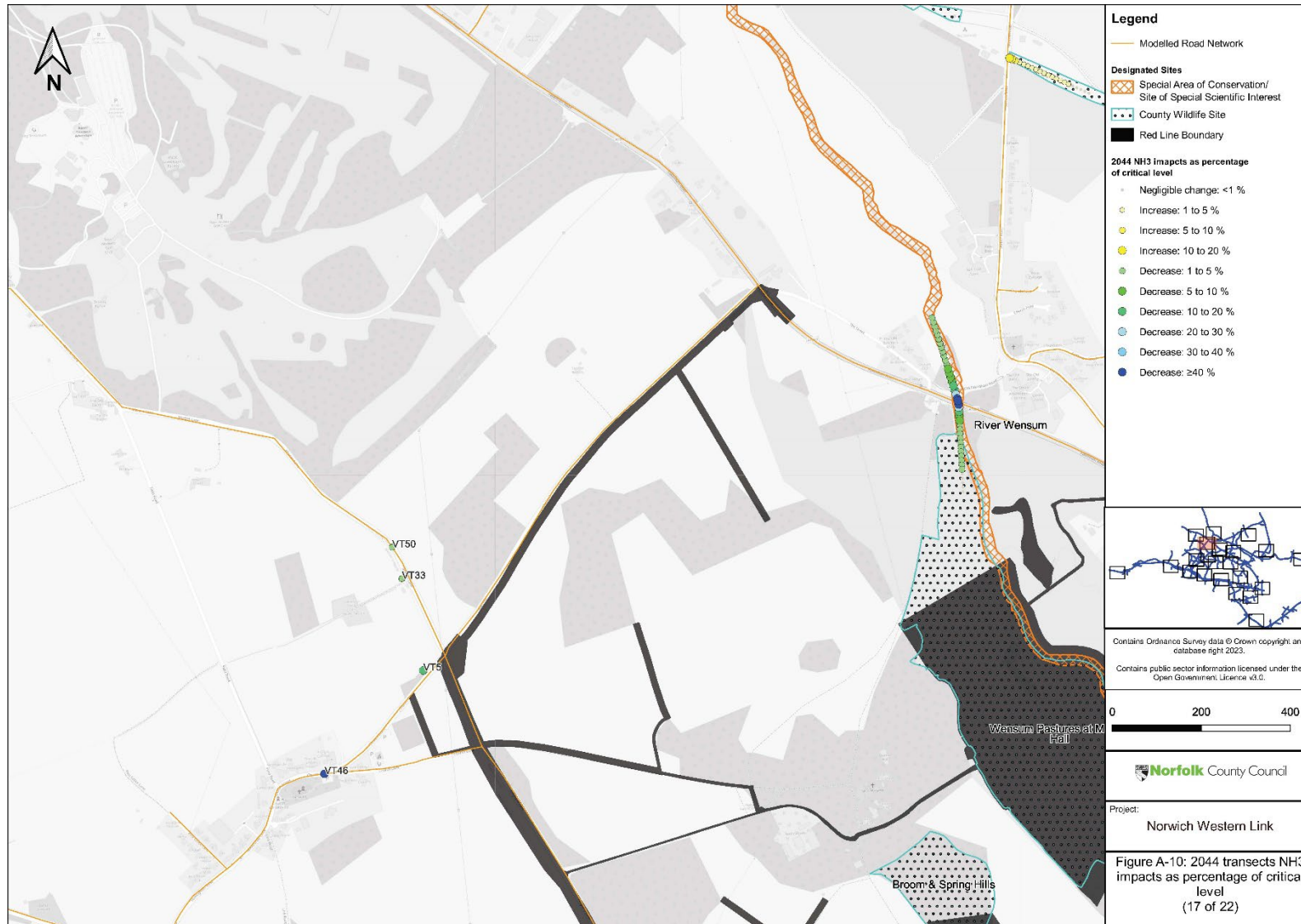


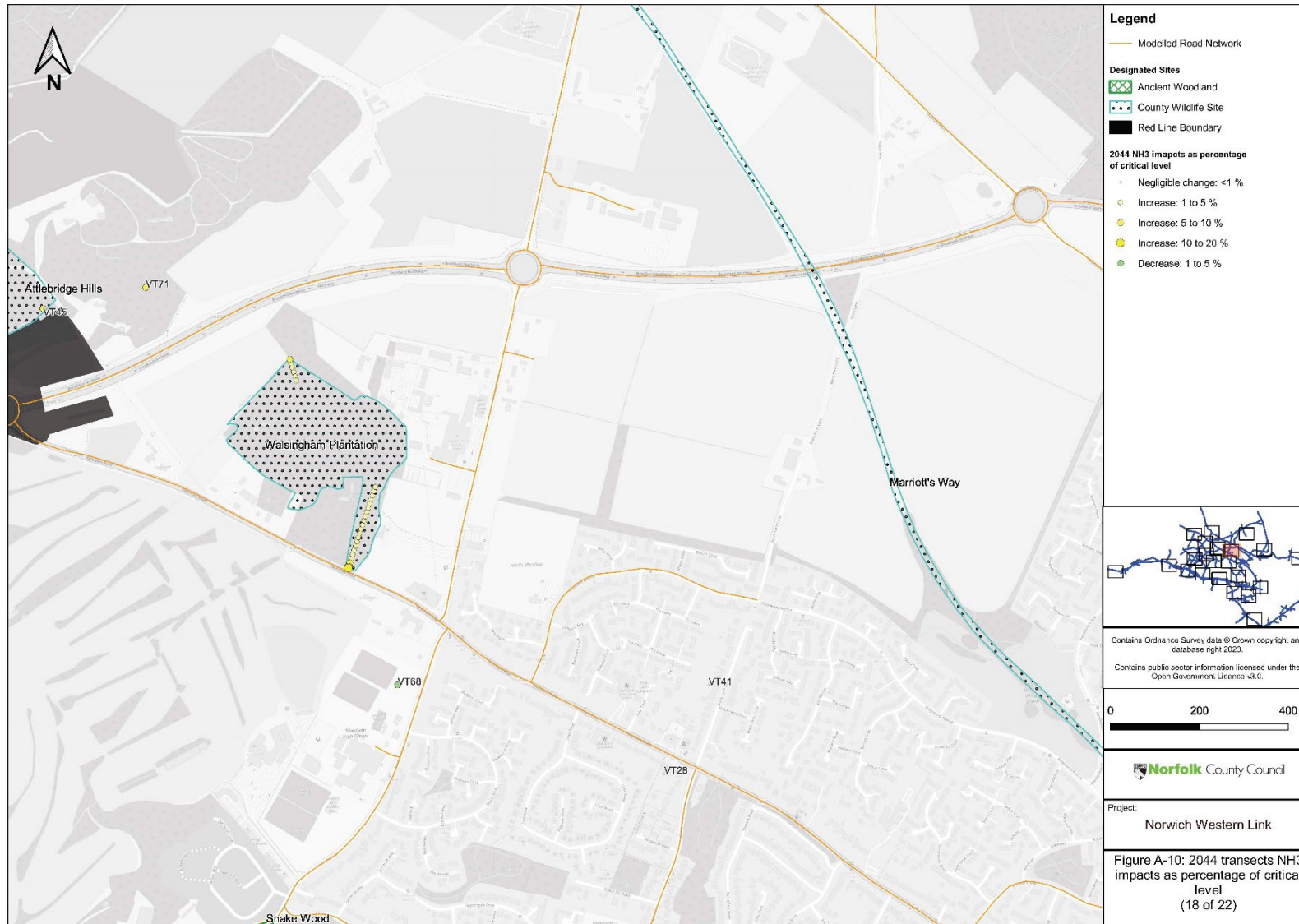




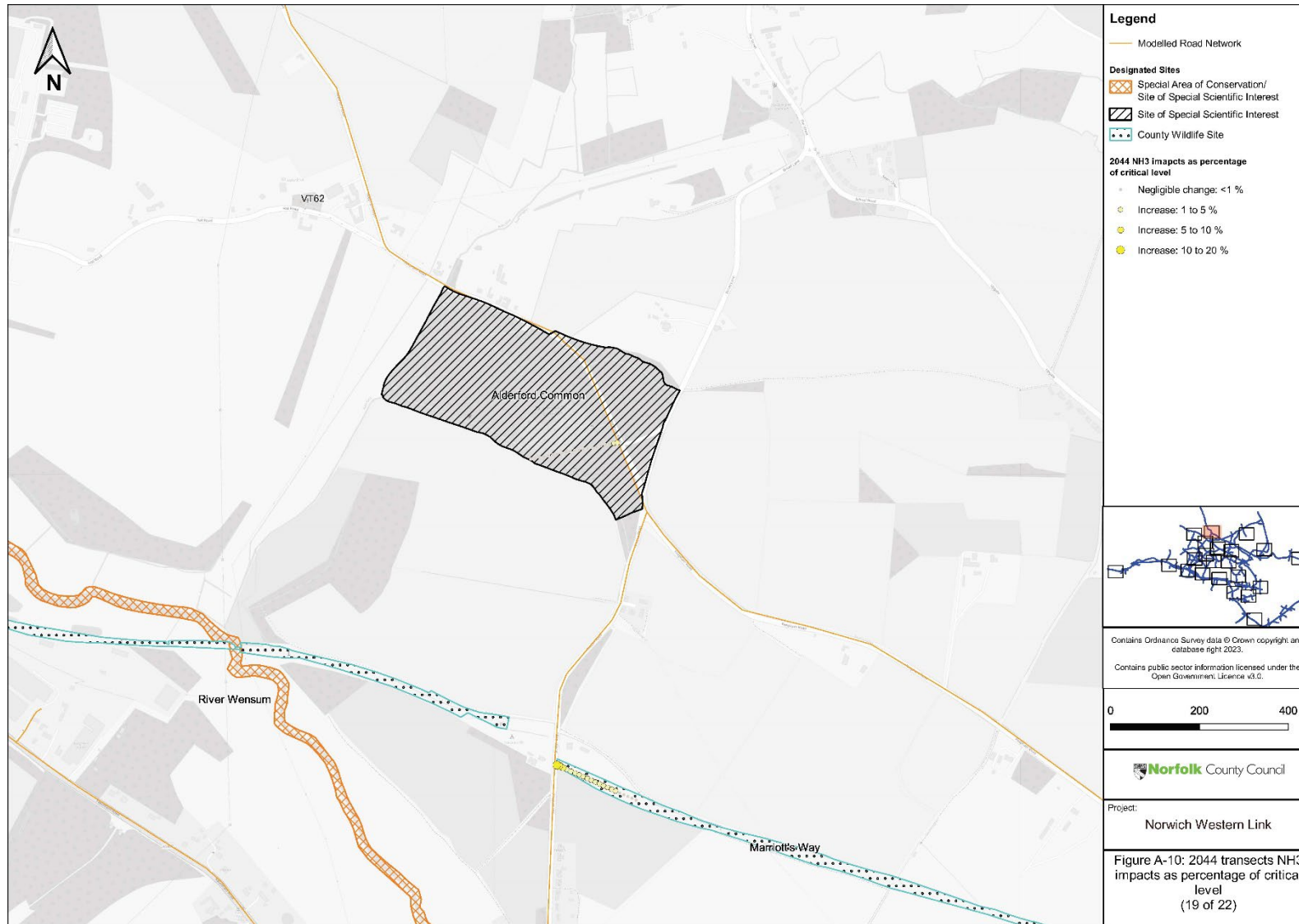


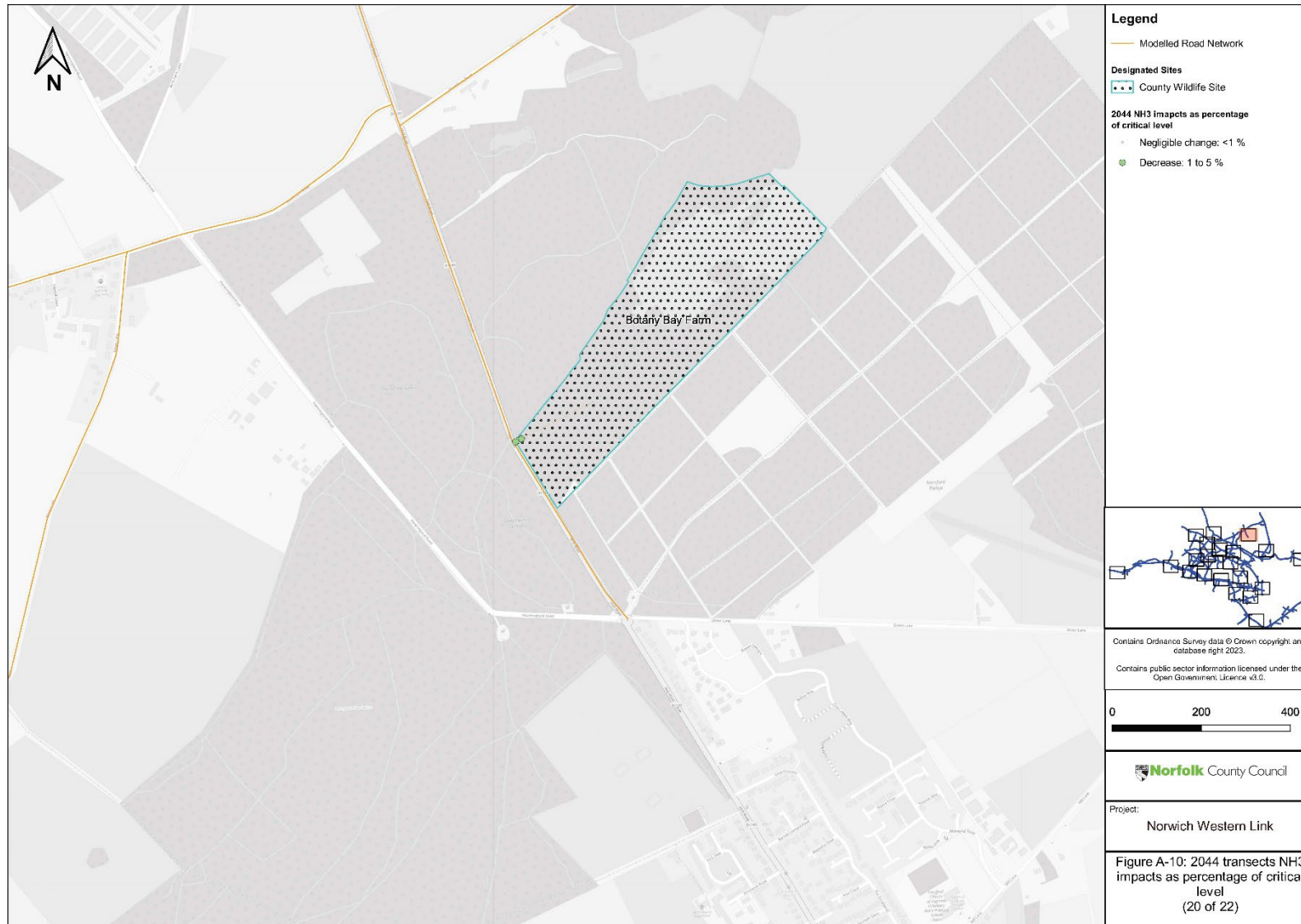


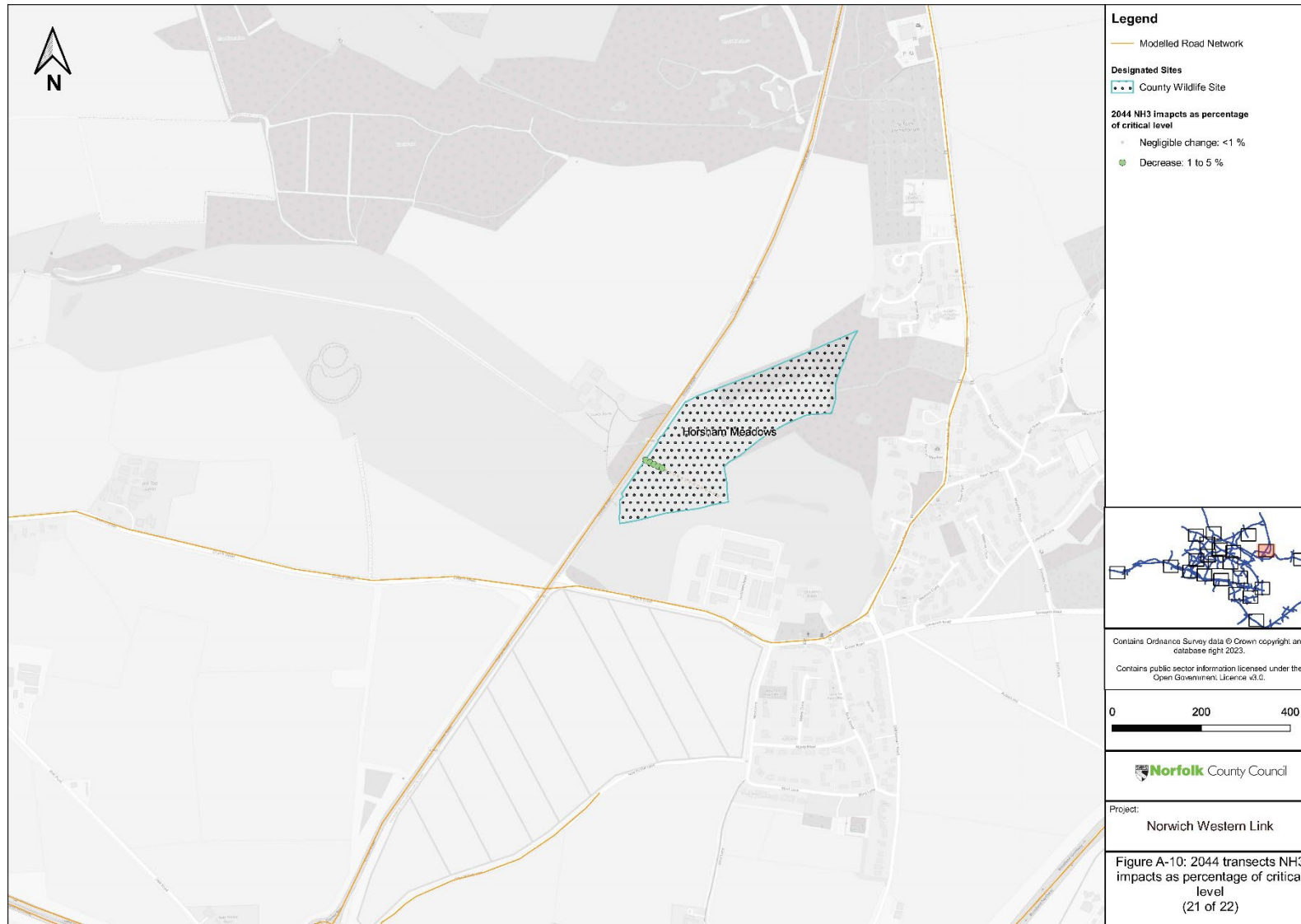




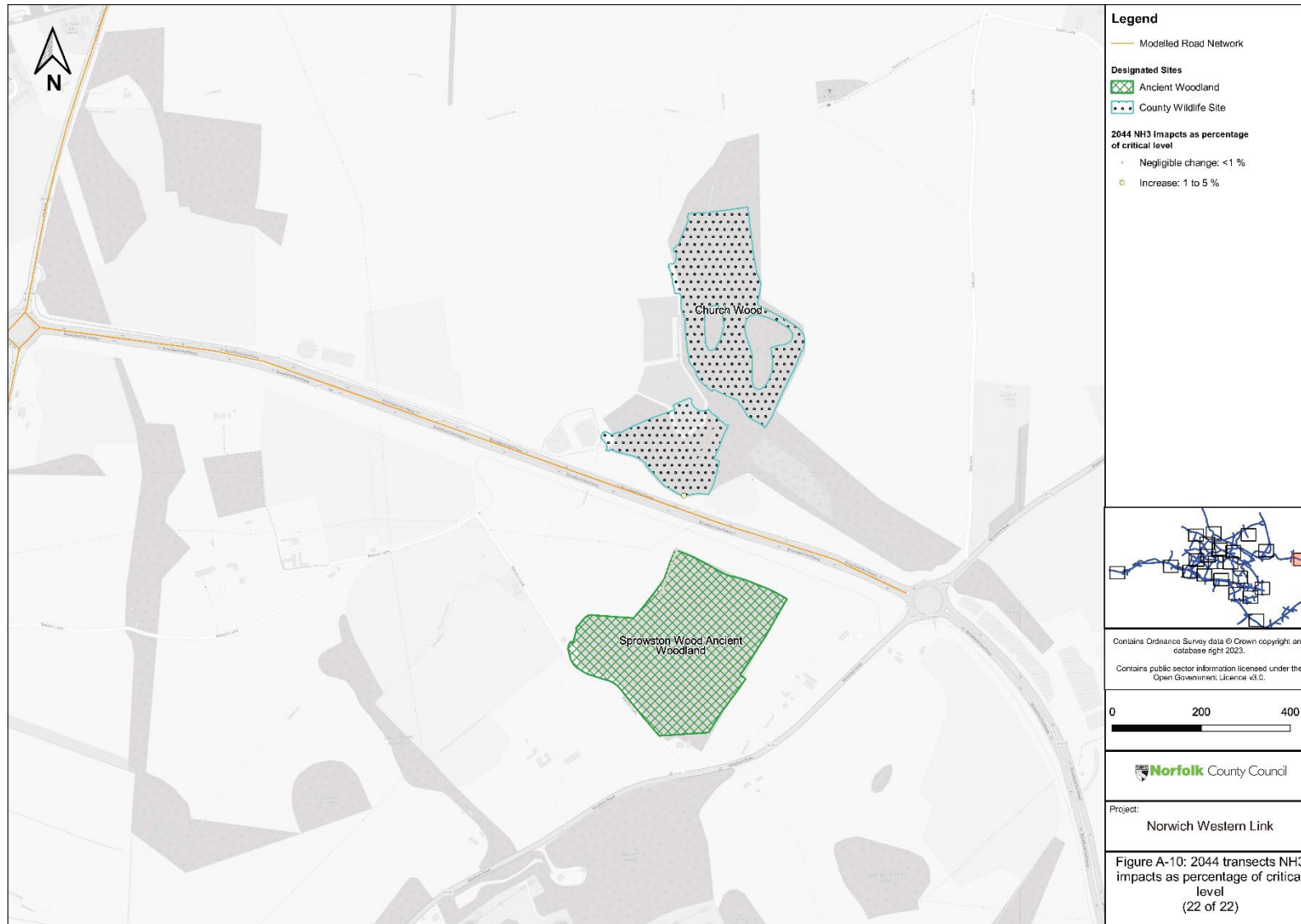














**Table A1 Critical Loads and Levels for full list of Sites obtained from APIS database**

<b>Transect no.</b>	<b>Site Name</b>	<b>Habitat within 200m of the Affected Road Network (ARN)</b>	<b>CLvl NO<sub>x</sub> (µg/m<sup>3</sup>)</b>	<b>CLvl NH<sub>3</sub> (µg/m<sup>3</sup>)</b>	<b>Lower CLd N-dep (kg/ha/yr)</b>
ECO1	Mouse Wood County Wildlife Site (CWS)	Ancient Replanted Woodland	30	1	10
ECO2	Church Meadow, Alder Carr, Three Corner Thicket and Nursery Plantation CWS	Fen, Marsh, and Swamp	30	1	15
ECO3	Church Meadow, Alder Carr, Three Corner Thicket and Nursery Plantation CWS	Broadleaved woodland/ grassland	30	1	10
ECO7	Walsingham Plantation CWS	Deciduous woodland	30	1	10
ECO8	Taverham Mill CWS	Broadleaved woodland	30	1	10
ECO12	Great Witchingham Common CWS	Open water	30	1	10
ECO13	Marriott's Way CWS	Broadleaved woodland	30	1	10
ECO16	Land Adjoining Foxburrow Plantation CWS	Fen, Marsh and Swamp	30	1	15
ECO17	Fen Plantation CWS	Broadleaved woodland	30	1	10



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ECO18	Old Covert, Wood Lane, CWS	Broadleaved woodland	30	1	10
ECO21	Walsingham Plantation CWS	Broadleaved woodland	30	1	10
ECO23	Lenwade Pits (East) CWS	Open water/ broadleaved woodland	30	1	10
ECO25	Botany Bay Farm CWS	Broadleaved woodland	30	1	10
ECO26	River Wensum SSSI	Coastal and floodplain grazing marsh	30	1	15
ECO28	River Wensum Special Area of Conservation (SAC), River Wensum Sites of Special Scientific Interest (SSSI), River Wensum Pastures CWS	Running water/ Coastal and floodplain grazing marsh	30	1	15
ECO30	Lenwade Pits (West) CWS	Open water	30	1	10
ECO31	Weston Meadow CWS	Grassland/ broadleaved woodland	30	1	10





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ECO34	Fen West of East Tuddenham CWS	Fen, Marsh and Swamp	30	1	15
ECO35	Attlebridge Hills CWS	Broadleaved woodland	30	1	10
ECO36	Attlebridge Hills CWS	Broadleaved woodland	30	1	10
ECO37	Land Adjoining Foxburrow Plantation CWS	Fen, Marsh and Swamp	30	1	10
ECO38	Primrose Grove Ancient Woodland (110m – 200m), Primrose Grove CWS	Ancient Replanted Woodland	30	1	10
ECO39	River Wensum SAC, River Wensum SSSI, River Wensum Pastures CWS	Running water/ Coastal and floodplain grazing marsh	30	1	15
ECO42	River Wensum SAC, River Wensum SSSI	Running water	30	1	15
ECO48	Sweetbriar Road Meadows, Norwich SSSI	Lowland meadows	30	1	10
ECO50	River Wensum SAC, River Wensum SSSI	Running water	30	1	15
ECO53	Broom & Spring Hills CWS	Broadleaved woodland	30	1	10



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ECO54	Alderford Common SSSI	Broadleaved woodland/ lowland calcareous grassland	30	3	20
ECO55	Norfolk Valley Fens SAC, Potter & Scarning Fens, East Dereham SSSI	Lowland heathland, Lowland fens, reedbeds, broadleaved woodland	30	1	10
ECO60	Long Dell and Westlodge Hills CWS	Broadleaved woodland	30	1	10
ECO61	Brook House Marshes CWS	Fen, Marsh and Swamp	30	1	10
ECO62	Primrose Grove CWS, Primrose Grove Ancient Woodland	Ancient Replanted Woodland	30	1	10
ECO63	Primrose Grove CWS	Ancient Replanted Woodland/ broadleaved woodland	30	1	10



<b>Transect no.</b>	<b>Site Name</b>	<b>Habitat within 200m of the Affected Road Network (ARN)</b>	<b>CLVI NO<sub>x</sub> (µg/m<sup>3</sup>)</b>	<b>CLVI NH<sub>3</sub> (µg/m<sup>3</sup>)</b>	<b>Lower CLd N-dep (kg/ha/yr)</b>
ECO64	Hellesdon Pastures CWS	Coastal and floodplain grazing marsh	30	1	10
ECO65	Church Hill Common CWS	Broadleaved woodland	30	1	10
ECO66	River Wensum SAC, River Wensum SSSI	Running water	30	1	15
ECO67	Costessey Pits (East) CWS	Open water/ broadleaved woodland	30	1	10
ECO68	Snake Wood Ancient Woodland	Ancient Replanted Woodland	30	1	10
ECO69	Jennis' Wood & Dryhill Plantation CWS	Broadleaved woodland (jennis wood is not within the 200m)	30	1	10
ECO70	Bawburgh/Colney Gravel Pits CWS	Coastal and floodplain grazing marsh	30	1	10
ECO71	Long Dell and Westlodge Hills CWS	Broadleaved woodland	30	1	10





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ECO72	Church Wood Ancient Woodland	Ancient Replanted Woodland	30	1	10
ECO73	Sprowston Wood Ancient Woodland	Ancient Replanted Woodland	30	1	10
ECO74	Wensum Pastures at Morton Hall, River Wensum SAC, River Wensum SSSI	Running water/ Coastal and floodplain grazing marsh	30	1	15
ECO75	River Wensum SAC, River Wensum SSSI	Running water	30	1	15
ECO76	Intwood Carr CWS	Broadleaved woodland	30	1	10
ECO77	Meadow Farm Meadow CWS	Grassland	30	1	10
ECO78	Earlham and Colney Marshes CWS	Fen, Marsh and Swamp	30	1	15
ECO79	Horsham Meadows CWS	Grassland	30	1	10
ECO80	East Hills CWS	Broadleaved woodland	30	1	10



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ECO85	Fakenham Road Roadside Nature Reserve (RNR)	Grassland	30	1	10
ECO86	Fakenham Road RNR	Grassland	30	1	10
ECO82	River Tud at Easton and Honingham	Running water	30	1	10
ECO81	River Tud at Easton and Honingham	Running water	30	1	10
ECO84	River Tud at Easton and Honingham	Running water	30	1	10
ECO83	River Tud at Easton and Honingham	Running water	30	1	10
ECO87	River Yare (west and east), Bowthorpe	Running water	30	1	10
ECO88	River Yare (west and east), Bowthorpe	Running water	30	1	10
ECO89	Bawburgh/ Colney Gravel Pits CWS	Coastal and floodplain grazing marsh	30	1	10