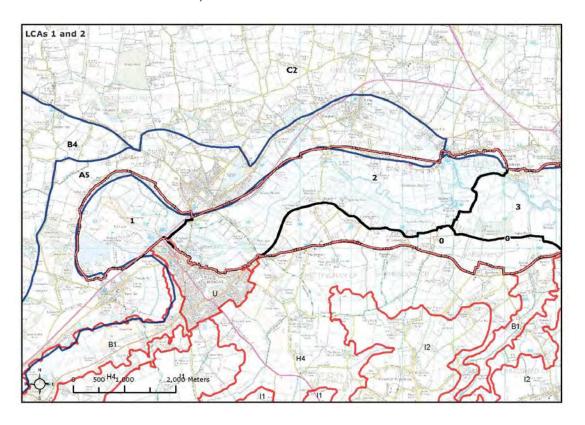
LCA 1: Waveney Valley - Outney Common and Bath Hills Area: LCA 2: Waveney Valley - Bungay/Ditchingham to Shipmeadow/Geldeston

Location and landscape character context



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Landscape Sensitivity Assessment for Wind Turbines

Criteria	Lower sensitivity		Higher sensitivity			
1.Scenic and special qualities	Special qualities such as areas of open landscape within both character areas and the sense of tranquillity are particularly sensitive to the introduction of larger structures such as wind turbines. The sense of tranquillity is however reduced by some large scale industrial development on the western edge of Bungay in area 1. Although located outside the Broads Executive Area, it negatively influences the perception of remoteness from within and immediately surrounding the settlement and thus reduces sensitivity. However, area 2 comprises of a more sensitive landscape due to its undeveloped nature and as a result the areas when combined have an overall moderate-high sensitivity to wind turbine development in these terms.					
2.Enclosure and scale	while character area 2 has differences in relation to fig area 1 is defined by a med	sides. Character area 1 steep valley sides risin ve Area, which provide a broad, flat charactereld pattern and scale in a lower sensitivity, wherows) field pattern in combined have a hightainment provided by	however has a more g to 30m to the north es a degree of containment r. There are some subtle n these areas. Character and large open bodies of hile character area 2 has a dicating a higher gh sensitivity due to the hedgerows and landform,			
3.Landscape and land cover pattern	Landscape and land cover within these areas is formed by a rich and varied pattern of elements (pasture, woodland, river valley topography and areas of open water) which are sensitive to wind turbine development due to the potential for wind turbines to dominate small scale features. Although area 1 exhibits a more varied composition of elements in comparison to the slightly more simplistic nature of elements within character area 2, both areas combine to create a combination of elements which indicate a moderate-high sensitivity to wind turbine development.					
4.Skylines	Both character areas have character area 1 where the and south of character are well wooded ridges definin uninterrupted skylines and However the interface of commed by modern, large sconfined, this locally lower the areas are considered turbine development.	e ridge encircles the are a 2 are also prominent g the extent of views. rising landform indicath haracter area 1 with the cale development on the surress.	ea. The ridges to the north twith rising landform and As a result these te a higher sensitivity. The settlement of Bungay is the skyline and although rounding character area.			
5.Perception and experience of the landscape	The tranquil, undisturbed of and remote perception of the however in contrast to the edges of both character and fluence of Bungay. The influence of	the area indicating a hi localised level of intru eas where the bounda	igher sensitivity. This is sion associated with the ries adjoin the settlement			

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	Bungay indicates a lower sensitivity, although elsewhere within character area 1, away from the settlement, the area displays a strong sense of tranquillity indicating a higher sensitivity. Therefore the overall sensitivity is moderate-high.				
6.Historic landscape character	The distinct medieval dole pattern and the traditional 17 th century grazing marsh within the south of character area 2 indicate a higher sensitivity to wind turbine development. Also sensitive are the malting complexes and historic settlements (Geldeston, Bungay and Ellingham Mill) within character area 2 which have a strong association with former water mills of the area. Large scale wind turbine development could impact upon the coherence of the historic landscape in these areas. In addition, character area 1 also displays some important historic features (i.e. historic common at The Hards, the Bath Hills which are closely associated with the Ditchingham Estate and commons within the area). When combined, these historic features indicate a high sensitivity to wind turbine development.				
7.Visual sensitivities and intervisibility with areas outside the Broads	This is an enclosed landscape which is defined by ridge topography and surrounded by wooded skylines that provide a degree of containment, indicating a lower sensitivity to wind turbine development in these terms. Although contained, there is some intervisibility with adjacent character areas outside the Broads Executive Area (namely areas A5 and B4 in South Norfolk District and area H4 in Waveney District). This is particularly evident where these areas are on higher ground (A5 and B4) having the additional impact of being more prominent in views from the character area. Due to the level of structural screening provided by landform balanced with filtered views of adjacent areas and the degree of intervisibility the overall sensitivity of the areas is considered to be moderate-high.				
	with filtered views of adjacer	nt areas a	nd the degree of intervisibility		
	with filtered views of adjacer	nt areas a	nd the degree of intervisibility		
Discussion on landscape sensitivity	overall sensitivity of the area overall the two areas have a development. This is due to tranquillity, the strong sense wooded ridges and steeper vand B4 in South Norfolk). In reflected in the area's command the historic settlement p development. As a result, the sensitivity to wind turbine definitions of the area of the sensitivity to wind turbine definitions.	high land the special of enclose addition, ons, the attern independent of the encountry of	dscape sensitivity to wind turbing all qualities such as the sense of sure provided by undulating land is in the adjacent character are the historic landscape features 17th century grazing marsh encorease sensitivity to wind turbing when combined, demonstrate a	ne f ndform, nas (A5 s losures ne high	
landscape	overall sensitivity of the area overall the two areas have a development. This is due to tranquillity, the strong sense wooded ridges and steeper wand B4 in South Norfolk). In reflected in the area's command the historic settlement p development. As a result, the sensitivity to wind turbine dead this judgement also applies schemes, such as pylons.	high land the special of enclosicalley side addition, ons, the attern independent of large in the large in th	dscape sensitivity to wind turbing all qualities such as the sense of sure provided by undulating landers in the adjacent character are the historic landscape features 17 th century grazing marsh encionease sensitivity to wind turbing when combined, demonstrate a not overall.	ne f ndform, nas (A5 s losures ne high	
landscape sensitivity	overall sensitivity of the area overall the two areas have a development. This is due to tranquillity, the strong sense wooded ridges and steeper vand B4 in South Norfolk). In reflected in the area's command the historic settlement period development. As a result, the sensitivity to wind turbine details judgement also applies	high land the special of enclosicalley side addition, ons, the attern independent of large in the large in th	dscape sensitivity to wind turbing all qualities such as the sense of sure provided by undulating landers in the adjacent character are the historic landscape features 17 th century grazing marsh encorease sensitivity to wind turbing when combined, demonstrate ant overall.	ne f ndform, nas (A5 s losures ne high	
landscape sensitivity Sensitivity to	overall sensitivity of the area overall the two areas have a development. This is due to tranquillity, the strong sense wooded ridges and steeper vand B4 in South Norfolk). In reflected in the area's command the historic settlement p development. As a result, the sensitivity to wind turbine details in the sensitivity to wind	high land the special of enclose addition, ons, the areas welopment to large in the areas	dscape sensitivity to wind turbing all qualities such as the sense of sure provided by undulating lands in the adjacent character are the historic landscape features 17th century grazing marsh encorease sensitivity to wind turbing when combined, demonstrate a not overall. Infrastructure for off shore wind Land outside the Executive	ne f ndform, as (A5 s losures ne high farm	
landscape sensitivity	with filtered views of adjacer overall sensitivity of the area overall the two areas have a development. This is due to tranquillity, the strong sense wooded ridges and steeper vand B4 in South Norfolk). In reflected in the area's command the historic settlement produced development. As a result, the sensitivity to wind turbine described by the sensitivity to wind turbine	high land the special of enclose addition, ons, the areas we velopment to large in the areas which is the large in the areas which is the areas wh	dscape sensitivity to wind turbing all qualities such as the sense of sure provided by undulating landers in the adjacent character are the historic landscape features 17th century grazing marsh encircase sensitivity to wind turbing when combined, demonstrate and overall. Infrastructure for off shore wind Land outside the Executive Small (0-20m)	ne f dform, as (A5 s losures ne high	

Commentary:

This grouping of character areas is likely to have a lower sensitivity to small scale turbines (0-20m) where topography and vegetation can provide an element of screening. Siting will need careful consideration so as not to impact upon the distinctive historic settlement and landscape pattern of the areas, in addition to taking account of intervisibility with adjacent character areas and the well-defined skylines. As outlined above, the landscape would be highly sensitive to all other larger scale turbine typologies.

Landscapes outside the Executive Area

Relevant character areas and sensitivities are:

South Norfolk -

A5: Waveney Rural River Valley: Rising valley sides to the Broads which provide intervisibility.

B4: Waveney Tributary Farmland: Elevated land close to the Broads in the north.

Waveney District -

H4: Mettingham Tributary Farmland: Steeply rising valley sides (10-15m AOD) to the north and forms part of the landscape setting of the Broads abutting the Broads Authority boundary along much of its length.

Fieldwork confirmed that the elevated ridgelines of areas A5 and B4 which surround character areas 1 and 2 are sensitive. H4 character area also displays a strong visual association with the Broads and is therefore of high sensitivity. The rising ridges are sensitive to wind turbine development of most typologies, particularly those at the higher end of the scale due to their prominence. Adjacent areas are less sensitive to small scale turbines (0-20m) where there is careful consideration of siting and impact upon sensitive characteristics (i.e. skylines, scale and intervisibility).

Commentary on different cluster sizes

Single turbine Small clusters (<5 turbines) Medium (6-10) Large (11-25) Very large (>26)

Land within the character areas		Land outside the Executive Area		
Single turbine	М-Н	Single turbine	М-Н	
<5 turbines	Н	<5 turbines	Н	
6-10 turbines	Н	6-10 turbines	Н	
11-25 turbines	Н	11-25 turbines	Н	
>26 turbines	Н	>26 turbines	Н	

Commentary:

Within both character areas the landscape has a moderate-high sensitivity to single wind turbine schemes provided careful consideration of the sensitive characteristics (e.g. skylines) is demonstrated. The areas would however be sensitive to larger clusters due to the potential to interrupt skylines and in turn create visual clutter within an otherwise largely undeveloped skyline.

Landscapes outside the Executive Area

Relevant character areas and sensitivities are:

South Norfolk -

A5: Waveney Rural River Valley: Rising valley sides to the Broads which provide intervisibility.

B4: Waveney Tributary Farmland: Elevated land close to the Broads in the north.

Waveney District -