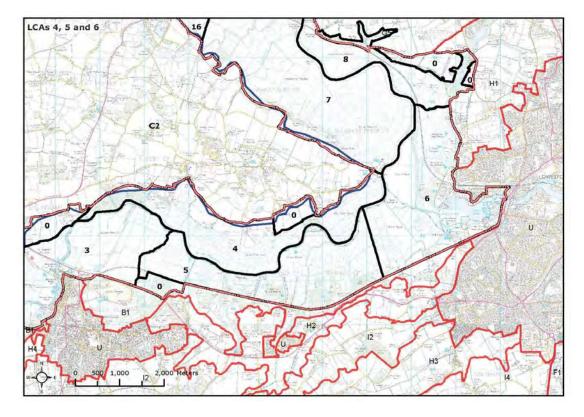
LCA 4: Waveney Valley – Aldeby to Burgh St Peter: LCA 5: Waveney Valley - Worlingham Wall to Boundary Dyke, Barnby: LCA 6: Waveney Valley -Boundary Dyke Barnby to The Fleet, Oulton

Location and landscape character context



© Broads Authority 2012. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2012. Ordnance Survey Licence number 100021573.

 ${\rm \textcircled{O}}$ Broads Authority 2012. Contains, or is derived from aerial photography supplied by Bluesky Ltd. ${\rm \textcircled{O}}$ Bluesky 2004/2005

© South Norfolk District Council © Waveney District Council

Criteria	Lower sensitivity		Higher sensitivity
Gifteria	Lower sensitivity		
1.Scenic and special qualities	specifically the wide and o 6. These wide open areas as a result of the introduct strong sense of tranquillity corridors indicating a high contrast with the mostly tr	pen landscapes of the are sensitive to mover ion of wind turbines. away from settlemer er sensitivity to large anquil and isolated ch	
2.Enclosure and scale	in landform (i.e. the adjace the Broads Executive Area and Stanley carrs in area 4 and Old Broad in area 5). of the River Waveney prov These areas are sensitive t features and passing boati Elsewhere the areas are co Castle Marshes and Peto's	ilinear enclosures and ed variation. Enclosure ent South Norfolk and) and small clusters of 4 and North Cove Natu In addition, areas of r vide enclosure within t to wind turbine develo ng traffic providing a onsiderably more oper Marsh) which would h due to the reduced se	small scale blocks of carr e is formed by the variation Waveney ridges outside f carr woodland (i.e. Alder ure Reserve, Barnby Broad eed rond along the course he more open marshes. opment with landscape relative sense of scale. In (large scale marshes i.e. have a lower sensitivity to ense of scale with no visual
3.Landscape and land cover pattern	a mosaic of carr woodland with reed fringed edges. W textured surface and this of to wind turbines. The wood	, open marshland and /hen combined, these diversity of elements i ded settlement at the and is sensitive to wing	elements create a rich and ndicates a higher sensitivity edge of Oulton Broad is d turbine development due
4.Skylines	where development at Low Gently rising ridgelines in	vestoft is visible on the the adjacent South No istant views. These re are sensitive to wind rn development forms in South Norfolk, and ulliver) visible from ar	brfolk and Waveney Districts latively uninterrupted views turbine development. s part of the skyline (i.e. overhead power lines and ea 5). These features
5.Perception and experience of the landscape	Each of the character area there is some localised inti	s have a tranquil and rusion on the edges (L Id gravel extraction pir and 6 have provision to cal footpaths across the d (recreation). Area 4	remote character although owestoft urban ts in South Norfolk District). for access along the river ne marshes, in addition to is less well served with

Landscape Sensitivity Assessment for Wind Turbines

	each of the areas. Although there are some localised intrusions, all landscape character areas would be sensitive overall to wind turbine development in perceptual terms.						
6.Historic landscape character	A number of sensitive historic landscape types are apparent; specifically in area 6 which retains 16 th and 17 th century grazing marshes and where Edwardian waterside development at Oulton Broad is recognised through Conservation Area status. Such small scale features would be sensitive to wind turbine development. Elsewhere, localised features such as Worlingham medieval wall (today a raised tree lined corridor) in the west of area 5 and 17 th and 18 th century farmsteads on the northern fringes of area 4 are of higher sensitivity to wind turbine development. Some areas of lower sensitivity HLT's are evident, although this is confined to localised areas of large scale rectilinear field patterns which are a result of field boundary removal (e.g. central parts of area 4 and eastern parts of area 5).						
7.Visual							
sensitivities and intervisibility with areas outside the Broads	The open expanse of marshes provides distant views with some intervisibility into adjacent character areas (i.e. South Norfolk District area B1 and C2 and Waveney District area H2) which would indicate a higher sensitivity to wind turbines. Areas of enclosed landscape character adjacent to blocks of carr woodland or rising topography create containment and would therefore have lower sensitivity to wind turbine development.						
	Overall the areas are considered to have a moderate - high sensitivity to wind turbine development in general. This is due to the representation of some of the Broads special qualities within these character areas. Specifically reference is made to the varied landscape pattern and scale, the historic landscape character associated with 16 th and 17 th century marshes, the winding river corridor and provision for boating, the sense of tranquillity across the marshes and the presence of Edwardian settlement surrounding Oulton Broad. Sensitivity is lowered as a result of localised intrusion at Lowestoft, the sand and gravel pits in South Norfolk District, and areas of large scale 20 th century rectilinear field patterns which results in an overall judgement of moderate – high. This judgement also applies to large infrastructure for off shore wind farm schemes, such as pylons.						
Discussion on landscape sensitivity	to wind turbine of of some of the B Specifically refer historic landscap the winding rive across the marsh Oulton Broad. So Lowestoft, the so large scale 20 th judgement of mo	development i Broads special rence is made be character a r corridor and hes and the p ensitivity is lo and and grave century rectili oderate – high also applies to	in genera qualities to the v ssociated provisio resence wered as el pits in near field n.	al. This s within d with 1 n for bo of Edwar s a resul South N d pattern	is due to the r these characte ndscape patter 6 th and 17 th ce ating, the sens rdian settleme t of localised in lorfolk District, ns which result	epresenta er areas. In and scal intury mar se of trance ont surrour ntrusion at , and areas ts in an ov	tion le, the shes, quillity nding t s of verall
landscape	to wind turbine of of some of the B Specifically refer historic landscap the winding rive across the marsh Oulton Broad. So Lowestoft, the so large scale 20 th judgement of mo	development i Broads special rence is made be character a r corridor and hes and the p ensitivity is lo and and grave century rectili oderate – high also applies to is pylons.	in genera qualities to the v ssociated provisio resence wered as el pits in near field n.	al. This s within aried lar d with 14 n for bo of Edwar s a resul South N d pattern	is due to the r these characte ndscape patter 6 th and 17 th ce ating, the sens rdian settleme t of localised in lorfolk District, ns which result	epresenta er areas. In and scal entury mar se of trance ent surrour ntrusion at , and areas ts in an ov ore wind f	tion le, the shes, quillity nding t s of verall
landscape sensitivity	to wind turbine of of some of the B Specifically refer historic landscap the winding rive across the marsh Oulton Broad. So Lowestoft, the so large scale 20 th judgement of mo This judgement schemes, such a	development i Broads special rence is made be character a r corridor and hes and the p ensitivity is lo and and grave century rectili oderate – high also applies to is pylons.	in genera qualities to the v ssociated provisio resence wered as el pits in near field n.	al. This s within aried lar d with 1 n for bo of Edwa s a resul South N d pattern hfrastruc Land o	is due to the r these characte ndscape patter 6 th and 17 th ce ating, the sens rdian settleme t of localised in lorfolk District, ns which result ture for off sho butside the E	epresenta er areas. In and scal entury mar se of trance ent surrour ntrusion at , and areas ts in an ov ore wind f	tion le, the shes, quillity nding t s of verall
landscape sensitivity Sensitivity to different turbine	to wind turbine of of some of the B Specifically refer historic landscap the winding rive across the mars Oulton Broad. So Lowestoft, the so large scale 20 th judgement of mo This judgement schemes, such a	development i Broads special rence is made be character a r corridor and hes and the p ensitivity is lo and and grave century rectili oderate – high also applies to is pylons.	in genera qualities to the v ssociated provisio resence wered as el pits in near field n. o large ir	al. This s within aried lar d with 1 n for bo of Edwa s a resul South N d pattern hfrastruc Land o	is due to the r these characte ndscape patter 6 th and 17 th ce ating, the sens rdian settleme t of localised in lorfolk District, ns which result cture for off sho	epresenta er areas. In and scal entury mar se of trance ent surrour ntrusion at , and areas ts in an ov ore wind f	tion le, the shes, quillity nding t s of verall farm
landscape sensitivity Sensitivity to	to wind turbine of of some of the B Specifically refer historic landscap the winding rive across the marsh Oulton Broad. So Lowestoft, the so large scale 20 th judgement of mo This judgement schemes, such a	development i Broads special rence is made be character a r corridor and hes and the p ensitivity is lo and and grave century rectili oderate – high also applies to is pylons.	in genera qualities to the v ssociated provisio resence wered as el pits in near field n. o large ir areas M-H	al. This s within aried lar d with 1 n for bo of Edwar s a resul South N d pattern nfrastruc Land c Mediun Large (is due to the r these characte ndscape patter 6 th and 17 th ce ating, the sens rdian settleme t of localised in lorfolk District, ns which result ture for off sho butside the E	epresenta er areas. In and scal entury mar se of trance ent surrour ntrusion at , and areas ts in an ov ore wind f	tion le, the rshes, quillity nding t s of verall rarm Area M-H

	scale turbines would introduce features and could become foo landscape. It is however noted less sensitive to small scale tu existing scale of landscape and Landscapes outside the Exe Relevant character areas and s South Norfolk - C2 Thurlton Tributary Farmlan Broads where land rises up fro Waveney - B1 Waveney Valley: Rising val from the Broads. H2 Waveney Tributary Valley F providing views out into the Br Given the prominence of the a landscapes, landscape sensitive the same as for the areas in the which are partially screened fr (H2) and rising landform indic smaller scale (small and medic consideration with their relation skylines and land cover.	e elemer cus poin d, that w rbines o d elemen ecutive sensitivi d with F om the lo ley side farmlan roads with djacent rity to th ne Broad om with ate a low um). Ho onship w	 when carefully sited, some areas of less than 20m to tip height durints. Area ties are: Parkland: Views open out to the pow lying Waveney Valley. s (15-20m AOD) evident in view d: Gently sloping valley sides ith some smaller blocks of wood ridges in relation to the Broads be largest turbines in the typolog ds as set out above. Character a in the Broads by clusters of wood wer sensitivity to wind turbines of wever, these would need carefu ith the Broads, due to topograp 	are le to /s land. gy is ireas odland of l hy,
Commentary on	Land within the character a	ireas	Land outside the Executive	Area
different cluster sizes	Single turbine	M-H	Single turbine	M-H
Single turbine	<5 turbines	н	<5 turbines	M-H
Small clusters (<5 turbines)	6-10 turbines	н	6-10 turbines	Н
Medium (6-10) Large (11-25)	11-25 turbines	Н	11-25 turbines	н
Very large (>26)	>26 turbines	н	>26 turbines	н

Commentary:
Clusters of turbines would be likely to have greatest impact upon the character of these areas creating a level of visual intrusion in what are relatively undeveloped skylines. As a result, areas 4, 5 and 6 are considered to have the highest level of sensitivity to clusters of turbines due to the complex pattern of elements, largely uninterrupted views and skylines and the tranquil character of the marshes. There is however lower sensitivity to single wind turbines of a small scale although careful siting and design would be needed in relation to existing features which form part of the skyline and historic character.
Landscapes outside the Executive Area Relevant character areas and sensitivities are:
South Norfolk - C2 Thurlton Tributary Farmland with Parkland: Views open out to the Broads where land rises up from the low lying Waveney Valley.
Waveney - B1 Waveney Valley: Rising valley sides (15-20m AOD) evident in views from the Broads. H2 Waveney Tributary Valley Farmland: Gently sloping valley sides providing views out into the Broads with some smaller blocks of woodland.
Given the prominence of the adjacent ridges in relation to the Broads landscapes, landscape sensitivity to the largest turbine clusters is the same as for the areas in the Broads as set out above. Character areas which are partially screened from within the Broads by clusters of woodland (area H2 and rising landform indicate a lower sensitivity to clusters of up to five turbines. However, these would need careful consideration to their relationship with the Broads, due to topography, skylines and land cover.