

**Appendix G: YORKSHIRE AND HUMBER, European and Internationally Designated sites and key Environmental Sensitivities.**

**Information taken from:**

**(i) Summary description of N2K sites in Yorkshire and Humber Appropriate Assessment of the Draft Regional Spatial Strategy for Yorkshire and the Humber - Appropriate Assessment Report - A Report to Yorkshire and Humber Assembly by Land Use Consultants August 2006; Appropriate Assessment Addendum published in October 2006; Natura 200 datasheets (JNCC database).**

**(ii) % figure in last column taken from Natural England's designations list and condition data of sites (data for 31 March 2012)**

**SPECIAL AREAS OF CONSERVATION (SACs)**

<b>SAC</b>	<b>Excessive recreational pressure and other types of disturbance</b>	<b>Other effects of increasing urbanisation (e.g. increased incidence of fires and numbers of cats preying vulnerable chicks)</b>	<b>Deterioration in air quality (both local and diffuse)</b>	<b>Increased abstraction leading to a decline in water levels and freshwater inputs to hydrologically sensitive sites</b>	<b>Deterioration in water quality</b>	<b>Increased 'coastal squeeze' or flooding</b>	<b>Loss of important supporting habitat outside the boundary of the European site</b>	<b>% of site in favourable condition 31/3/12</b>
Arnecliffe and Park Hole Woods					Non toxic contamination: changes in thermal regime, changes in turbidity from iron working.			67%
Beast Cliff to Whitby (Robin Hood's Bay)	Recreational disturbance (erosion and habitat fragmentation, accidental fires).				Eutrophication.	Coastal defence.		100%

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SAC	Excessive recreational pressure and other types of disturbance	Other effects of increasing urbanisation (e.g. increased incidence of fires and numbers of cats preying vulnerable chicks)	Deterioration in air quality (both local and diffuse)	Increased abstraction leading to a decline in water levels and freshwater inputs to hydrologically sensitive sites	Deterioration in water quality	Increased 'coastal squeeze' or flooding	Loss of important supporting habitat outside the boundary of the European site	% of site in favourable condition 31/3/12
Craven Limestone Complex	Recreational disturbance (erosion and habitat fragmentation, accidental fires).			Quarrying: (water level); agricultural drainage (groundwater level and flow rate).	Eutrophication - agricultural and industrial runoff.			
Denby Grange Colliery Ponds				Water abstraction (fragmentation of habitat, water level and flow rate).	Agricultural and industrial runoff/ discharge.			99%
Eller's Wood and Sand Dale	Human disturbance/ trampling (erosion and fragmentation).			Drainage - hydrological change (water level and flow rate).	Eutrophication - intensive grazing.			0%
Fen Bog				Drainage (water level and flow rate).	Peat cutting - (contamination changes in turbidity and pH).			97%
Flamborough Head	Recreational disturbance (erosion and fragmentation, accidental fires,				Changes in agricultural management (sheep dip). Industrial	Coastal defence.		95%

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	reduced bird breeding productivity).				discharge (acidification from atmospheric deposition).			
Hatfield Moor	Recreational disturbance (erosion and fragmentation, accidental fires).			Peat cutting (removal); water abstraction and agricultural drainage (drying and fragmentation of habitat). Sand and gravel extraction in adjacent site (water level).				
Humber Estuary	Recreation pressure.				Sewage discharge (domestic and industrial).	Coastal development (housing, commercial, industry) (erosion, fragmentation, sedimentation, etc). Flood defence.		8%
Ingleborough	Recreational			Limestone				

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Complex	disturbance (erosion, fragmentation, accidental fires).			quarrying affecting water level and flow rate.				13%
Kirk Deighton				Water abstraction (fragmentation of habitat).	Agricultural, transport and industrial runoff/discharge (siltation, fragmentation).			0%
Lower Derwent Valley	Housing (recreation pressure).	Waste management.		Water abstraction (drying and habitat fragmentation). Coal extraction, landfill and water abstraction (water level and flow rate).	Domestic and industrial sewage outflow (phosphorous enrichment). Process industry (acidification from sulphur deposition).			43%
North Pennines Dales Meadows					Contamination from agricultural practices.			73%
North Pennine Moors	Recreational disturbance		Process industry (acid		Contamination from agricultural			

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	including disturbance of nesting birds.		and nitrogen deposition).		practices.			14%
North York Moors	Recreational pressure.			Agricultural drainage (water level and flow rate).				7%
Ox Close	Housing development.							78%
River Derwent					Agricultural and industrial outflow (incl. sheep dip and sewage) - contamination of water.	Flood management (barrier effects and habitat fragmentation).		6%
Skipwith Common	Recreational pressure.			Deep coal mining (water level and flow rate).				17%
South Pennine Moors	Recreational pressure.	Fly-tipping.			Process and transport industry - atmospheric toxic and non-toxic pollution and deposition.			7%
Strensall	Recreational	Golf course						

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Common	pressure.	management (herbicides).						32%
Thorne Moor	Recreational pressure.			Peat cutting (groundwater level and flow rate); water abstraction.				0%

**SPECIAL PROTECTION AREAS (SPA)**

SPA	Excessive recreational pressure and other types of disturbance	Other effects of increasing urbanisation (e.g. increased incidence of fires and numbers of cats predating vulnerable chicks)	Deterioration in air quality (both local and diffuse)	Increased abstraction leading to a decline in water levels and freshwater inputs to hydrologically sensitive sites	Deterioration in water quality	Increased 'coastal squeeze'	Loss of important supporting habitat outside the boundary of the European site	% of site in favourable condition 31/3/12
Flamborough Head and Bempton Cliffs	Recreational disturbance (erosion and fragmentation, accidental fires), reduced bird breeding productivity.				Industrial discharge (sedimentation, changes in turbidity, salinity, thermal regime); nutrient enrichment.	Coastal defence.		100%
Hornsea Mere	Recreation pressure (erosion and fragmentation, impacts on integrity of wintering population).	Fly tipping.		Water abstraction (changes in flow rate and water level).	Sedimentation and fly tipping (reduced water quality). Domestic sewage discharge (eutrophication).			43%
Humber Estuary	Recreation pressure.	Coastal development (housing, commercial, industry) (erosion, fragmentation, sedimentation, etc).		Flood defence (changes in hydrology - flow rate and water level).	Sewage discharge, domestic and industrial: (eutrophication, sedimentation changes in turbidity and pH, salinity,	Flood defence (loss and degradation of habitat, fragmentation, barrier effects).		10%

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					indirect effects of reduced water quality on food resources).			
Lower Derwent Valley	Recreation pressure.		Process industry (acidification from sulphur deposition).	Water abstraction (drying and habitat fragmentation).	Domestic and industrial sewage outflow (phosphorous enrichment); Intensive agriculture (nutrient enrichment); landfill (nutrient deposition and acidification).			37%
North Pennine Moors	Recreational disturbance.		Process industry (acid and nitrogen deposition).		Agrochemicals (sheep dip) – toxic contamination of groundwater.			14%
North York Moors	Recreational pressure.			Agricultural drainage.				7%
South Pennine Moors	Recreational pressure.			Agricultural drainage.				1%
Thorne and Hatfield Moors	Recreational pressure.			Peat cutting (groundwater level and flow				0%

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				rate); water abstraction.				

**RAMSAR SITES**

Ramsar Site	Excessive recreational pressure and other types of disturbance	Other effects of increasing urbanisation (e.g. increased incidence of fires and numbers of cats predating vulnerable chicks);	Deterioration in air quality (both local and diffuse);	Increased abstraction leading to a decline in water levels and freshwater inputs to hydrologically sensitive sites;	Deterioration in water quality;	Increased 'coastal squeeze'	Loss of important supporting habitat outside the boundary of the European site	% of site in favourable condition 31/3/12
Humber Estuary	Recreation pressure.				Sewage discharge (domestic and industrial): eutrophication, sedimentation changes in turbidity and pH, salinity, indirect effects of reduced water quality on food resources.	Flood defence (changes in hydrology (flow rate and water level).		
Lower Derwent Valley	Recreation pressure.		Process industry (acidification from sulphur deposition).	Water abstraction (drying and habitat fragmentation).	Domestic and industrial sewage outflow (phosphorous enrichment); Intensive agriculture (nutrient enrichment); landfill (nutrient deposition and acidification).			
Malham Tarn	Recreational		Process	Agricultural				

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	pressure; quarrying (removal, sedimentation, erosion, fragmentation, barrier effects).		industry (acidification from sulphur deposition).	drainage (water level and flow rate); quarrying (water level).				