

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)

| 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 |
|--|---|---|--|---|---|--|---|--|
| 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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|-----------------------------|---|--|---|--|---|---|--|---|
| 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). | | | | |