

Habitats Regulations Assessment of the Impact on European Protected Sites of Bury Council's Local Flood Risk Management Strategy

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For

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**Fig 1 Map showing the location of European designated sites
Within Greater Manchester and in close proximity to Bury**

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1 Introduction

1.0 Article 6(3) of the European Habitats Directive dealing with the conservation of European protected sites states that:

1.1 *'Any plan or project not directly connected with or necessary to the management of the site but likely to have a significant effect thereon, either individually or in combination with other plans and projects, shall be subject to assessment of its implications for the site in view of the site's conservation objectives. In light of the conclusions of the assessment of the implications for the site and subject to the provisions of paragraph 4, the competent national authorities shall agree to the plan or project only after having ascertained that it will not adversely affect the integrity of the site concerned and, if appropriate, after having obtained the opinion of the general public.'*

1.2 Bury Council is a Lead Local Flood Authority (LLFA) and as such is required to develop, maintain, apply and monitor a strategy for local flood risk management. The Local Flood Risk Management Strategy (hereafter referred to as 'The Plan') has been prepared in response to this duty.

The Local Flood Risk Management Strategy of Bury Metropolitan Borough Council is considered to be a Local Development Document (a 'Plan') that falls under Part IV, 85A-(2) of the 2007 Habitats Regulations Amendments and therefore is required to be subject to a Habitats Regulations Assessment (to be taken at least through the screening stage (Stage 1)).

1.3 European protected sites (the 'Natura 2000 Network') are of exceptional importance for the conservation of important species and natural habitats within the European Union. The purpose of Habitats Regulation Assessment (HRA) of land use plans is to ensure that protection of the integrity of European protected sites is an integral part of the planning process at a regional and local level. The network of European protected sites comprises Special Protection Areas (SPAs), Special Areas of Conservation (SACs) and Ramsar sites. Government guidance advises under the National Planning Policy Framework (NPPF paragraph 118 March 2012) that potential SPAs (pSPA), candidate SACs (cSAC) and potential Ramsar (pRamsar) sites are also included in HRAs.

1.4 Habitats Regulation Assessments can be seen as having a number of discrete stages -

Stage 1 - Screening

Stage 2 – Appropriate Assessment

Stage 3 – Assessment of Alternatives

Stage 4 – Assessment where no alternatives are available

1.5 This report comprises Stage 1 of the Habitats Regulation Assessment process and contributes to the fulfilment of the Council's statutory duty as regards Article 6(3). That is, it is an Opinion on, and an Assessment of, whether or not the implementation of the Bury Local Flood Risk Management Strategy may have a significant effect on the special interest of any European designated protected sites. It is also an Opinion on, and an Assessment of, whether any of the identified effects (if any) can be avoided or mitigated or whether any of the strategic sites need to be deselected or whether the wording of the Strategy needs to be amended.

1.6 It is noted that the Strategy being assessed may require further assessments following any changes to the Strategy following further consultation/examination. There is no statutory guidance on what stage of Strategy production to best prepare an HRA but Natural England recommends that HRA begins at an early stage and if necessary continues through all the stages of Strategy production.

1.7 The Greater Manchester Ecology Unit (GMEU), as the specialist ecological adviser to Bury Council, has prepared this Screening Opinion. Natural England and the Joint Nature Conservation Committee (JNCC) were consulted for information on the conservation objectives and favourable condition tables for the European Sites concerned (the information is summarised below). GMEU ecologists, who are familiar with the European sites concerned and their special interest, reviewed the available ecological information for the sites. The key vulnerabilities and sensitivities of the European sites concerned are well understood by GMEU as are the impact pathways which may affect a European site, allowing for an informed assessment of the possible effects of the Strategy, and any specific aims, objectives and policies contained in The Strategy.

2 Brief description of The Plan

2.0 The Plan being assessed is Bury's Local Flood Risk Management Strategy ('the Strategy').

The Aims of the Strategy are to –

- increase awareness and understanding of local flood risk issues;
- identify how partners are working together to reduce flood risk; and
- provide an overview of ongoing flood risk management within the Borough, together with an Action Plan and a Programme of Schemes (of flood management).

The Plan describes the causes and risks of flooding in Bury, sets out the legislative framework for managing flood risk, describes the roles and responsibilities of organisations and individuals involved in managing flood risk, sets out a method for auditing flood events and flood risk assets and sets out an Action Plan for Flood Risk Management.

The Key Objectives of the Plan are –

- to gain a strategic understanding of the causes and risks of flooding in Bury;
- to manage the likelihood of flooding within Bury;
- to help Bury residents manage their own risk;
- to ensure that new development in Bury reduces flood risk;
- to improve flood preparation, warning and recovery;
- to endeavour to direct flood risk funding to areas most at need;
- to audit existing flood management measures and assets.

A number of the actions and objectives of the Strategy will not in themselves involve any direct development works or land-take. However they will lead to the prioritisation of development measures to alleviate flood risk and they will serve to identify any potential risk of flooding impacts on protected nature conservation sites, including European Protected Sites. This will make possible the proper consideration of European sites in the development of any detailed plans and the implementation of measures to better protect European Sites from flooding impacts. The majority of actions in the Strategy could therefore have a potentially beneficial interest on the special qualifying features of any relevant European Sites. Paragraphs 3.23 – 3.27 of the Strategy stress the need to fully account for opportunities that could arise for the enhancement of the natural environment from the implementation of flood risk alleviation schemes.

Of the identified potential schemes, investigations and improvements listed in Appendix 2 and shown in Appendix 3 of the Strategy that may involve development works and land-take these are all local in scale and type. None of the proposed Capital Drainage schemes are within 5km of a European protected Site. No flood risk alleviation schemes are proposed within 5km of any European designated sites.

3 Identification of relevant European Designated Sites

3.0 This Assessment has first screened European protected sites in the North West of England to decide which of these sites are likely to be affected by development activity in Bury. When assessing the impact of the Strategy on European protected sites it is important to consider the impact on sites not only within the administrative area covered by the Strategy but also those which fall outside the Strategy boundary, as these could still potentially be affected by the Strategy.

3.1 As a useful starting point, the Assessment has considered the suite of European sites assessed within the Northwest Regional Spatial Strategy's (RSS) Habitat Regulations Assessment. These sites are listed in Appendix 1. This ensures that *all* European sites considered to have the potential to be affected by development within the northwest region can be initially considered for assessment (screening assessment).

The Screening Criteria

3.2 In carrying out this screening process the Assessment has considered the main possible **sources** of effects on the European sites arising from the implementation of the Strategy, possible **pathways** to the European sites and the effects on possible sensitive **receptors** in the European sites. Only if there is an identifiable source, a pathway and a receptor is there likely to be a significant effect.

3.3 Possible sources and pathways for effects arising from development in the identified Sites and used in the screening of European sites are considered to be:

- Water (water pollution, sediment and hydrology)
- Air (air pollution)
- Direct land-take
- Habitat/Species Disturbance
- Increased recreational pressure
- Spread of invasive plants and animals

3.4 Guidance from the Environment Agency (EA) concerning distances at which significant effects on European sites are caused by water or air pollution have been taken into account during the screening of European sites. The EA has set recommended buffer zones for certain types of operation (in particular, waste treatment operations) that are in part applicable to other types of operation. Outside of these buffer zones significant effects on European sites arising from water and air pollution are considered unlikely to arise. The largest (most cautious) buffer zone considered by the EA is 5km; that is, most operations with the potential of causing direct water and/or air pollution impacts located further than 5km from the boundary of a European site are considered very unlikely to have a significant effect on the special interest of that site. Having taken advice DCLG has recognised a 5km buffer in its award of special resources to local authorities for carrying out HRAs of Plans. Those authorities whose boundaries lie more than 5km away from a European protected sites have not received additional resources to carry out Assessments because it is considered that effects are less likely to arise from development within the boundaries of these authorities.

3.5 Although this guidance has been taken into account when screening European protected sites, in the case of a Strategy affecting the development of an entire metropolitan area, the 5km buffer zone should be regarded as important but not as definitive – for example, this buffer zone may not be sufficient when assessing certain large-scale developments or secondary impacts. In particular, applying the 5km buffer may not be appropriate where the likely effect on a European site is caused by **diffuse air or water pollution** that may arise from large scale development, or where there are secondary **recreational** pressures on more distant protected sites arising from increased regional and sub-regional populations.

Diffuse Air Pollution

3.6 The main types of air pollutants likely to have an adverse effect on an ecological site are:

- Oxides of Nitrogen (NO_x)
- Ammonia (NH₃)
- Dust
- Sulphur Dioxide (SO₂)
- Low level Ozone (O₃)

(Scott Wilson Ltd 2007)

3.7 Of these NO_x and SO₃ are the most likely to arise as a result of development recommended by the Strategy. The greatest damage caused by these pollutants occurs close to where they are emitted (within 250m) but an individual source of pollution may add to the general background levels, as pollutants are dispersed by prevailing winds. The main sources of these pollutants are road traffic and industrial processes. Where proposed developments within Bury are likely to result in these pollutants arising, these have been screened into this Assessment. Where the proposed scale of development has already been assessed at the Regional level, have been will be screened out.

Diffuse Water Pollution

3.8 Effects on distant European sites can occur through increases in water pollution caused by nutrient enrichment and/or industrial processes. Where proposed developments within Bury are likely to result in this type of diffuse pollution arising and affecting a European site, these have been screened into this Assessment.

3.9 Of the sites considered under Appendix 1, diffuse water pollution could potentially have an effect on the Mersey Estuary SPA/Ramsar Site, since the Irwell is a tributary of the River Mersey and this eventually discharges into the Estuary. However, prior to discharging into the Estuary the watercourse passes through other Metropolitan areas and the Estuary itself is adjacent to the Merseyside conurbation. It would therefore be very difficult to establish whether any water pollution arising from the implementation of measures in the Strategy was responsible for a significant effect on pollution in the Estuary. For this reason the Mersey Estuary has been screened out of this HRA.

Recreational Pressure

3.10 The effects of increased regional and sub-regional populations on recreational pressures on the north west's European protected sites has been considered in the HRA of the North West RSS and is therefore not considered in detail in this report. Since there are no European protected sites within Bury it is generally considered that any recreational pressures arising from development within Bury on protected sites will be diffuse and therefore not significant.

3.11 The detailed results of the site screening process are found in Appendices 1 and 2 of this document. Appendix 1 shows the likely effects of the possible pathway and sources, outlined above, of future development in Bury on these European Sites. Appendix 2 summarises the results of this screening process. The outcomes of the site screening process are given below.

Summary Results of Screening of Sites

3.12 From the screening process detailed in **Appendix 1 and 2** the following European designated sites have been identified as having the potential to be affected by the implementation of the Strategy -

Rochdale Canal SAC

The Canal has been screened in to the HRA purely because it is in places within 5 km of the Bury borough boundary. The nature conservation importance of this 'screened in' European designated site is described in section 4 below.

There are no European sites within the administrative boundary of Bury Metropolitan Borough Council and therefore direct impacts such as habitat loss will not occur.

4 The Nature Conservation Interest of Rochdale Canal SAC

- 4.0 The Rochdale Canal SAC extends approximately 20 km from Littleborough at Ben Healey Bridge to Failsworth, passing through urban and industrialised parts of the Metropolitan Boroughs of Rochdale and Oldham and the intervening areas of agricultural land (mostly pasture). Water supplied to the Rochdale Canal in part arises from the Pennines. This water is acidic and relatively low in nutrients, while water from other sources is mostly high in nutrients. The aquatic flora of the canal is thus indicative of a mesotrophic waterbody (i.e. is moderately nutrient-rich), although there is evidence of some local enrichment. The canal continues through Failsworth and terminates at Castlefield in Manchester City, although this section of the canal is not included within the SAC.

Primary reason for designation of the Rochdale Canal as a European protected site

- 4.1 The Rochdale Canal supports a significant population of **floating water-plantain *Luronium natans*** in a botanically diverse water-plant community, which also holds a wide range of *Potamogeton* spp pondweeds. The canal has predominantly mesotrophic water. This population of *Luronium* is representative of the formerly more widespread canal populations of this species found in northwest England. However the Rochdale Canal supports unusually dense populations of the plant.

Conservation Objective for the Rochdale Canal SAC

- 4.2 Although formal conservation objectives are still awaited from Natural England, it has been taken that the objective for the European interest of the SAC is to maintain, in favourable condition, the habitats for the population of floating water-plantain (*Luronium natans*). Maintenance implies restoration if the feature is not currently in favourable condition.

Floating water-plantain - description and ecological characteristics

- 4.3 Floating water-plantain (*Luronium natans*) occurs in a range of freshwater situations, including nutrient-poor lakes in the uplands and slowly-flowing lowland rivers, pools, ditches and canals that are moderately nutrient-rich (mesotrophic).
- 4.4 Floating water plantain occurs as two forms: in shallow water with floating oval leaves, and in deep water with submerged rosettes of narrow leaves. The plant thrives best in open situations with a moderate degree of disturbance, where the growth of other emergent vegetation is held in check. Populations fluctuate greatly in size, often increasing when water levels drop to expose the bottom of the water body. Populations fluctuate from year to year, and at many sites records of floating water plantain have been infrequent, suggesting that only small populations occur, in some cases possibly as transitory colonists of the habitat. Populations tend to be more stable at natural sites than at artificial ones, but approximately half of the recent (post-1980) records are from canals and similar artificial habitats. Its habitat in rivers has been greatly reduced by channel-straightening, dredging and pollution, especially in lowland situations.

Possible Impacts of the Proposals on the Rochdale Canal SAC

- 4.5 Operations that may damage the special interest of the canal include operations and activities that affect the growth and survival of *Luronium natans*. These have been identified as:-
- Dredging of the canal
 - Draining of the canal
 - Pollution of the canal
 - Shading of the canal
 - Increased boat traffic using the canal, increasing both water turbidity and disturbance of substrates

- Use of herbicides in or adjacent to the canal
- Introduction or spread of alien invasive species to the Canal

4.6 When assessing the possible impacts of a proposal on the Rochdale Canal SAC, the potential of the proposal to cause the above listed damaging operations has been considered when reaching a decision as to whether the plan needs to undergo a full Appropriate Assessment. A recent High Court judgment (The Queen on the application of Hart District Council v The Secretary of State for Communities and Local Government, Luckmore Ltd, Barratt Homes Ltd case 2008) has confirmed that avoidance and mitigation measures which form part of the project should be taken into account in the screening of projects for the likelihood of a significant effect (Stage 1). However, the purpose of compensatory measures is different and these should not be taken into account in assessing whether the proposal is likely to have significant effects on a European site.

4.7 The precautionary principle must be applied when making such an assessment. If it is found that any development could result in a damaging operation then the proposal is likely to have a significant effect on the European site and should be subject to full Appropriate Assessment (Stages 2-4).

5 Screening Opinion – Impact of the Bury Local Flood Risk Management Strategy on the special interest of the Rochdale Canal SAC

- 5.1 Of the potentially damaging operations identified in Section 4.5 draining, dredging, shading and herbicide application will not occur from operations in Bury MBC, as these are actions which will occur directly adjacent to or within the SAC. There are no direct pathways which could produce a damaging effect on the Canal from within Bury MBC because the district boundary is not contiguous with the boundary of the canal.
- 5.2 Of the operations listed in section 4.5 above some can potentially be considered to be affected by matters subject to the Local Flood Risk Management Strategy in Bury Borough because pollution (air, water and sediments) and draining of the SAC may occur from events at a distance from the Canal.
- 5.3 It is not possible for hydrological events within Bury MBC to cause drainage of the Rochdale Canal as there is no hydrological connectivity so therefore no pathways between land, reservoirs or watercourses in Bury and the water supply or water body of the Rochdale Canal.
- 5.4 Pollution incidents may occur some distance from the Canal as a result of the implementation of flood alleviation schemes, but for polluted water to enter the SAC there must be hydrological connectivity. Air pollution and air borne sediments/dust could potentially be deposited within the Canal. However, it has been identified that the greatest damage from these sources occurs within 250m and that at distances greater than this air pollutants become dispersed. It is considered that by the nature of their scale, location and statutory environmental control measures (for quarry working), that there is unlikely to be a significant effect on the interest of the SAC.
- 5.5 Increased boat traffic may occur from distal developments such as new marinas and boat hire facilities, which occur on other canals within or outside Greater Manchester. However currently Bury MBC has no canals which are open to boat traffic or are connected to the Greater Manchester Canal network

6 Consideration of 'In Combination' Effects with Other Plans and Proposals

- 6.1 The Habitats Regulation Assessment must consider the likely significant effect of The Plan in relation to other proposals and plans - current or planned - within the relevant administrative area, other administrative authorities and prepared by other statutory organisations (e.g. Environment Agency, United Utilities) and in combination with the identified effects of those Plans.
- 6.2 It can be considered that this will fall into two categories: those effects associated with regional strategic plans and proposals and those related to more localised 'in combination' effects, either with adjacent Authorities or geographically localised plans from other statutory agencies.
- 6.3 The former North West Regional Spatial Strategy considered the 'in combination' effects of the Region's Projects and Plans at a strategic level (Entec January 2007) and therefore such regionally strategic plans are not considered further in this Assessment.
- 6.4 As regards the emerging and adopted Core Strategies and other Development Plan Documents of neighbouring Greater Manchester authorities, those ready for Assessment have been screened by GMEU. These are listed in Appendix 3.
- 6.5 The Core Strategies for Bury, Rochdale Oldham and Manchester have been assessed as potentially having an effect on the Rochdale Canal European site. These plans will require further Assessment either as the Core Strategies develops.

It is not considered that the Bury Local Flood Risk Management Strategy will operate in combination with any of these Plans in any meaningful way to impact on the Rochdale Canal.

- 6.6 Wigan Borough's and Trafford Borough's Local Plans also have the potential to have a significant effect on the Manchester Mosses SAC. However, the Manchester Mosses SAC has been screened out of this Assessment.
- 6.7 Rochdale's, Oldham's, Bury's and Manchester's HRAs have included the need for further assessment of the element of potential increase in boat traffic and have highlighted the agreement between Natural England and Canal & River Trust (formerly British Waterways) which identifies the trigger levels of boat movements.
- 6.8 This Assessment will be updated and amended as necessary as further Plans come forward for Assessment in order to take into account possible 'in combination' effects arising at a later stage.

7 Conclusions

7.1 Screening of European sites (Section 2) has established that the following site has the potential to be affected by the implementation of the Bury Local Flood Risk Management Strategy -

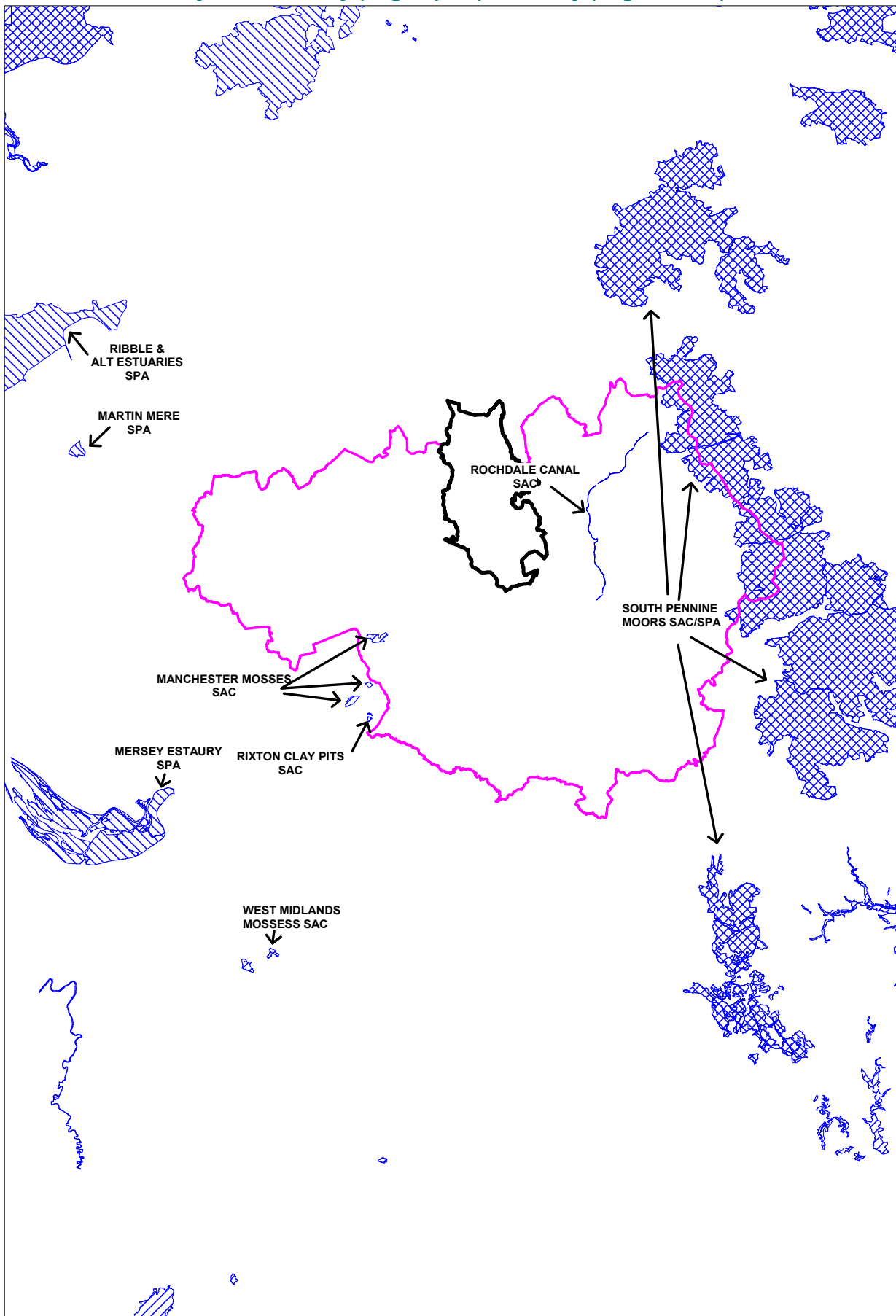
- Rochdale Canal SAC

No other European protected Sites are considered to be at risk of harm from the operation of the Bury Local Flood Risk Management Strategy.

7.2 Following further screening of the special qualifying features of interest of the Canal and consideration of potentially harmful operations on these features arising from the operation of the Strategy (Section 5) **it has been concluded that the implementation of the Bury Local Flood Risk Management Strategy will not have any significant impact on the special interest of the Canal.**

7.3 No 'in combination' effects are considered likely to occur.

Figure 1 – Map Showing Location of European Sites within Greater Manchester and in Close Proximity to the County (edged pink) and Bury (edged black)



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APPENDIX 1: European designated sites within the North West Region and possible effects from development within Bury MBC

Site Name	Designation	Type of Effect	Likely Effects
Asby Complex	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats.
Border Mires, Kielder – Butterburn	SAC	Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
Borrowdale Woodland Complex	SAC	Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
Bowland Fells	SPA	Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SPA and land within Bury
Bowland Fells	SPA	Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SPA (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – identified species are highly unlikely to utilise habitats within Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury

Site Name	Designation	Type of Effect	Likely Effects
Calf Hill & Cragg Woods	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Clints Quarry	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None - Species population too distant to be affected by any development within Greater Manchester and species dispersion known to be less than 2km.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Cumbrian Fritillary Site	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None - Species found in Cumbria is distinct national population, with adults being sedentary. Species not known to occur in Greater Manchester
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Dee Estuary	SPA/Ramsar	Water Quality/Hydrology	None - No hydrological pathways between SPA and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SPA (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – species identified highly unlikely to be effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury

Site Name	Designation	Type of Effect	Likely Effects
Drigg Coast	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury. Bury rivers do not discharge into Drigg Estuary
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Habitats in SAC are restricted to habitat types that do not occur in Greater Manchester
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
Duddon Estuary	SPA/Ramsar	Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SPA (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – species identified highly unlikely to be effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SPA (see EA report).
Duddon Mosses	SAC	Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SPA (see EA report).
		Direct land take	None
Esthwaite Water	Ramsar	Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between Ramsar site and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching Ramsar site (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – habitats and species identified highly unlikely to be effected by any habitat changes in Bury
Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury		

Site Name	Designation	Type of Effect	Likely Effects
Irthinghead Mires	Ramsar	Water Quality/Hydrology	None - No hydrological pathways between Ramsar site and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching Ramsar site (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – habitats and species identified highly unlikely to be effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
Lake District High Fells	SAC	Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats or species
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SPA/Ramsar Site and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SPA and Ramsar Site (see EA report).
Leighton Moss	SPA/Ramsar	Direct land take	None
		Habitat/Species Disturbance	None – Habitats and species identified highly unlikely to be effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SPA/Ramsar Site and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SPA and Ramsar Site (see EA report).
		Direct land take	None
Liverpool Bay	pSPA	Habitat/Species Disturbance	None – Habitats and species identified highly unlikely to be effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SPA and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SPA (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – no information available as to species site selected for but type of species present highly unlikely to be effected by any habitat changes in Bury (based on knowledge of Greater Manchester bird populations)
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury

Site Name	Designation	Type of Effect	Likely Effects
Manchester Mosses	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC Site and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC Site (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Habitats and species identified highly unlikely to be effected by any habitat changes in Bury
Martin Mere	SPA/Ramsar	Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SPA/Ramsar Site and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SPA/Ramsar Site (see EA report).
		Direct land take	None
Mersey Estuary	SPA/Ramsar	Habitat/Species Disturbance	None – Habitats and species identified highly unlikely to be effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - Strategic impacts of increased development in Bury on the water quality in the SPA/Ramsar Site are considered under the HRA for RSS, where figures for employment land and residential development are set.
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SPA/Ramsar Site (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Habitats and species identified highly unlikely to be significantly effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury

Site Name	Designation	Type of Effect	Likely Effects
Mersey Narrows & Wirral Foreshore	pSPA	Water Quality/Hydrology	Site classification details unavailable but there are unlikely to be any hydrological pathways between SPA and land within Bury
		Air Pollution	Site classification details unavailable but there are unlikely to be any atmospheric pathways between SPA and land within Bury
		Direct land take	None
		Habitat/Species Disturbance	None – no information available as to species site selected for but type of species present highly unlikely to be effected by any habitat changes in Bury (based on knowledge of Greater Manchester bird populations).
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Midland Meres & Mosses – Phase 1 & Phase 2	2 x Ramsar	Water Quality/Hydrology	None - No hydrological pathways between Ramsar site and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching Ramsar site (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – habitats and species identified highly unlikely to be effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Moor House – Upper Teasdale	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury

Site Name	Designation	Type of Effect	Likely Effects
Morecambe Bay	SAC/Ramsar/SPA	Water Quality/Hydrology	None - No hydrological pathways between SAC/SPA/Ramsar Site and land within Bury. Bury rivers do not discharge into Morecombe Bay
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC/SPA/Ramsar Site (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Habitats in SAC/SPA/Ramsar Site are restricted to habitat types that do not occur in Greater Manchester. Dispersion of Great Crested Newts is known to be less than 2km. Bird species unlikely to be effected by habitat changes within Bury.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Morecambe Bay Pavements	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Habitats and species in SAC are generally restricted to habitat types that do not occur in Greater Manchester
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Naddle Forest	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury

Site Name	Designation	Type of Effect	Likely Effects
North Pennine Dales Meadows	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species. Habitats in SAC are generally restricted to habitat types that do not occur in Greater Manchester
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC/SPA and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC/SPA (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species. Species unlikely to be effected by changes to habitats in Bury.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Oak Mere	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant from for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SPA and land within Bury
		Air Pollution	None – Any pollutants are likely to have dispersed prior to reaching SPA (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – species identified highly unlikely to be effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Peak District Moors (South Pennine Moors Phase 1)	SPA	Water Quality/Hydrology	None - No hydrological pathways between SPA and land within Bury
		Air Pollution	None – Any pollutants are likely to have dispersed prior to reaching SPA (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – species identified highly unlikely to be effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury

Site Name	Designation	Type of Effect	Likely Effects
Ribble & Ait Estuaries	SPA/Ramsar	Water Quality/Hydrology	None - No hydrological pathways between SPA/Ramsar Site and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SPA/Ramsar Site (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – habitats and species identified highly unlikely to be effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
River Dee & Bala Lake	SAC	Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None – no water borne pollution pathways to SAC from Greater Manchester. Strategic impacts of increased development in Bury on the water levels in the SAC are considered under the HRA for RSS, where figures for employment land and residential development are set.
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
River Derwent & Bassenthwaite Lake	SAC	Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None – no water borne pollution pathways to SAC from Greater Manchester. Strategic impacts of increased development in Bury on the water levels in the SAC are considered under the HRA for RSS, where figures for employment land and residential development are set.
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury

Site Name	Designation	Type of Effect	Likely Effects
River Eden	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
River Eden	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None - No hydrological connections and main species (fresh water pearl mussel) does not occur in Greater Manchester
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
River Kent	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Rixton Pits	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury

Site Name	Designation	Type of Effect	Likely Effects
Rochdale Canal	SAC	Water Quality/Hydrology	Possible from major developments
		Air Pollution	Possible from major developments
		Direct land take	None
		Habitat/Species Disturbance	None
		Increased recreational Pressure	Possible – canal side moorings/marinas may increase boat traffic in SAC
		Water Quality/Hydrology	None - No hydrological pathways between Ramsar site and land within Bury
Rostherne Mere	Ramsar	Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching Ramsar site (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – habitats and species identified highly unlikely to be effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
Roudsea Wood Mosses &	SAC	Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury

Site Name	Designation	Type of Effect	Likely Effects
Sefton Coast	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species. Habitat types do not occur in Greater Manchester
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
Solway Firth	SAC	Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – Any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
South Pennine Moors	SAC	Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – Any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
South Pennine Moors Phase 2	SPA	Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SPA and land within Bury
		Air Pollution	None – Any pollutants are likely to have dispersed prior to reaching SPA (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – species identified highly unlikely to be effected by any habitat changes in Bury
Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury		

Site Name	Designation	Type of Effect	Likely Effects
South Solway Mosses	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Subberthwait, Blawith Torver & Low Commons	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Tarn Moss	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Tyne & Nent	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats. Habitat not found in Greater Manchester
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury

Site Name	Designation	Type of Effect	Likely Effects
Ullswater Oakwoods	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Upper Solway Flats & Marshes	SPA/Ramsar	Water Quality/Hydrology	None - No hydrological pathways between SPA/Ramsar Site and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SPA/Ramsar Site (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – species identified highly unlikely to be effected by any habitat changes in Bury
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Walton Moss	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
Wast Water	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitat. Habitat does not occur in Greater Manchester
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury

Site Name	Designation	Type of Effect	Likely Effects
West Midlands Mosses	SAC	Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
Witherslack Mosses	SAC	Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
		Direct land take	None
Yewbarrow Woods	SAC	Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury
		Air Pollution	None – No atmospheric pathways and any pollutants are likely to have dispersed prior to reaching SAC (see EA report).
Yewbarrow Woods	SAC	Direct land take	None
		Habitat/Species Disturbance	None – Site too distant for any direct or indirect disturbance to habitats and species.
		Increased recreational Pressure	None – site is too distant and numerous recreational facilities closer to Bury
		Water Quality/Hydrology	None - No hydrological pathways between SAC and land within Bury

APPENDIX 2: Screening Summary of European designated sites within the North West Region and possible impacts from development within Bury MBC

Site Name	Designation	Screened in/out	Justification
Asby Complex	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Border Mires, Kielder – Butterburn	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Borrowdale Woodland Complex	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Bowland Fells	SPA	Out	Site considered too distant for significant effects to arise and strategic impacts considered by RSS HRA
Calf Hill & Cragg Woods	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Clints Quarry	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Cumbrian Marsh Fritillary Site	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Dee Estuary	SPA/Ramsar	Out	Site considered too distant for significant effects to arise and strategic impacts considered by RSS HRA
Drigg Coast	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Duddon Estuary	SPA/Ramsar	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Duddon Mosses	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Esthwaite Water	Ramsar	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Irthinghead Mires	Ramsar	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Lake District High Fells	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Leighton Moss	SPA/Ramsar	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA

Site Name	Designation	Screened in/out	Justification
Liverpool Bay	pSPA	Out	Site considered too distant for significant effects to arise and strategic impacts considered by RSS HRA
Manchester Mosses	SAC	Out	Site considered too distant for significant effects to arise and strategic impacts considered by RSS HRA
Martin Mere	SPA/Ramsar	Out	Site considered too distant for significant effects to arise and strategic impacts considered by RSS HRA
Mersey Estuary	SPA/Ramsar	Out	Site considered too distant for significant effects to arise and strategic impacts considered by RSS HRA
Mersey Narrows & Wirral Foreshore	pSPA	Out	Site considered too distant for significant effects to arise and strategic impacts considered by RSS HRA
Midland Meres & Mosses – Phase 1 & Phase 2	2 x Ramsar	Out	Site considered too distant for significant effects to arise and strategic impacts considered by RSS HRA
Moor House – Upper Teasdale	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Morcombe Bay	SAC/Ramsar/SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Morcombe Bay Pavements	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Naddle Forest	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
North Pennine Dales Meadows	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
North Pennine Moors	SAC/SPA	Out	Site considered too distant for significant effects to arise and strategic impacts considered by RSS HRA
Oak Mere	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Peak District Moors (South Pennine Moors Phase 1)	SPA	Out	Although within Greater Manchester the site is considered too distant for significant effects to arise and no known pathways exist between SPA and Wigan.
Ribble & Alt Estuaries	SPA/Ramsar	Out	Site considered too distant for significant effects to arise and strategic impacts considered by RSS HRA
River Dee & Bala Lake	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA

Site Name	Designation	Screened in/out	Justification
River Derwent & Bassenthwaite Lake	SAC	Out	Site considered too distant for significant effects to arise and strategic impacts considered by RSS HRA
River Eden	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
River Ehen	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
River Kent	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Rixton Clay Pits	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Rochdale Canal	SAC	In	Possibility of water/air pollution or recreational impacts
Rostherne Mere	Ramsar	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Roudsea Wood & Mosses	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Sefton Coast	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Solway Firth	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
South Pennine Moors	SAC	Out	Although within Greater Manchester the site is considered too distant for significant effects to arise and no known pathways exist between SPA and Bury.
South Pennine Moors Phase 2	SPA	Out	Although within Greater Manchester the site is considered too distant for significant effects to arise and no known pathways exist between SPA and Bury.
South Solway Mosses	SAC	Out	Site considered too distant for significant effects to arise
Subberthwaite, Blawith & Torver Low Commons	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Tarn Moss	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA

Site Name	Designation	Screened in/out	Justification
Tyne & Nent	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Ullswater Oakwoods	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Upper Solway Flats & Marshes	SPA/Ramsar	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Walton Moss	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Wast Water	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
West Midlands Mosses	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Witherslack Mosses	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA
Yewbarrow Woods	SAC	Out	Site considered too distant for significant effects to arise and no strategic impacts or pathways identified in RSS HRA

APPENDIX 3 – List of Other Plans and Projects Considered within the Assessment

Plans Assessed under the Terms of the Habitats Regulations by GMEU

District	Plan	Outcome of Assessment
Rochdale MBC	SPD 'Energy and New Development'	No effect on European Sites
Rochdale MBC	SPD provision of Recreational Open Space in New Housing Developments	No effect on European Sites
Rochdale MBC	SPD Development of East Central Rochdale	No effect on European Sites
Rochdale MBC	SPD Biodiversity and Development	No effect on European Sites
Rochdale MBC	SPD Affordable Housing	No effect on European Sites
Rochdale MBC	Core Strategy	
Manchester CC	SPD Providing for Housing Choice	No effect on European Sites
Manchester CC	LOCAL PLAN Core Strategy	Potential Effect on Rochdale Canal SAC
Bolton MBC	LOCAL PLAN Core Strategy	No effect on European Sites
Bolton MBC	LOCAL PLAN Core Strategy	No effect on European Sites
Trafford MBC	LOCAL PLAN Core Strategy	Potential Effect on Manchester Mosses SAC
Bury MBC	LOCAL PLAN Core Strategy Publication Core Strategy	Potential Effect on Rochdale Canal SAC
Oldham MBC	LOCAL PLAN Core Strategy	Potential Effects on Rochdale Canal SAC
Wigan MBC	LOCAL PLAN Core Strategy	Potential Effects on Manchester Mosses
Salford CC	LOCAL PLAN Draft Core Strategy	No identified effect on European Sites at this stage – further assessment may be needed at a later stage