

## Appendix 2: GIS Data Tracker

## Appendix 2 GIS Data Tracker

Data.gov.uk					
Layer	Hyperlink to Dataset	Date of download	Notes	loaded to ArcGIS Online (AGO)	do we have the data source?
Flood Zone 2	<a href="http://environment.data.gov.uk/ds/catalogue/#/catalogue">http://environment.data.gov.uk/ds/catalogue/#/catalogue</a>	06/07/2017	-	Yes	Yes
Flood Zone 3	<a href="http://environment.data.gov.uk/ds/catalogue/#/catalogue">http://environment.data.gov.uk/ds/catalogue/#/catalogue</a>	06/07/2017	-	Yes	Yes
Groundwater Protection Zones	<a href="http://environment.data.gov.uk/ds/catalogue/#/catalogue">http://environment.data.gov.uk/ds/catalogue/#/catalogue</a>	06/07/2017	-	Yes	Yes
Historic Landfill	<a href="http://environment.data.gov.uk/ds/catalogue/#/catalogue">http://environment.data.gov.uk/ds/catalogue/#/catalogue</a>	06/07/2017	-	Yes	Yes

Natural England					
Layer	Hyperlink to Dataset	Date of Download	Notes	loaded to ArcGIS Online (AGO)	do we have the data source?
Agricultural Land Classification	<a href="http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp">http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp</a>	06/07/2017	-	Yes	Yes
Ancient Woodland	<a href="http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp">http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp</a>	06/07/2017	-	Yes	Yes
Areas of Outstanding Natural Beauty	<a href="http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp">http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp</a>	06/07/2017	-	Yes	Yes
Biosphere Reserves	<a href="http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp">http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp</a>	06/07/2017	No data within project area	Yes	Yes
Heritage Coast	<a href="http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp">http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp</a>	06/07/2017	-	Yes	Yes
Land Management Initiatives	<a href="http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp">http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp</a>	06/07/2017	-	Yes	Yes
Local Nature Reserve	<a href="http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp">http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp</a>	06/07/2017	-	Yes	Yes
National nature Reserve	<a href="http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp">http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp</a>	06/07/2017	-	Yes	Yes
Ramsar	<a href="http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp">http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp</a>	06/07/2017	-	Yes	Yes
Special Areas of Conservation	<a href="http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp">http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp</a>	06/07/2017	-	Yes	Yes
Special Protection Areas	<a href="http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp">http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp</a>	06/07/2017	-	Yes	Yes
Special Sites of Scientific Interest	<a href="http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp">http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp</a>	06/07/2017	-	Yes	Yes

OS Open Map Local					
Layer	Hyperlink to Dataset	Date of Download	Notes	loaded to ArcGIS Online (AGO)	do we have the data source?
Woodland	<a href="https://www.ordnancesurvey.co.uk/opendatadownload/products.html">https://www.ordnancesurvey.co.uk/opendatadownload/products.html</a>	06/07/2017	Part of the OS OpenMap Local Layer	Yes	Yes

Transport Data					
Layer	Hyperlink to Dataset	Date of Download	Notes	loaded to ArcGIS Online (AGO)	do we have the data source?
Bus Stop Locations	<a href="W:\Transport Data\Shapefiles">W:\Transport Data\Shapefiles</a>	06/07/2017	-	Yes	No
Train Stop Locations	<a href="W:\Transport Data\Shapefiles">W:\Transport Data\Shapefiles</a>	06/07/2017	-	Yes	No
OS Open Roads	<a href="https://www.ordnancesurvey.co.uk/opendatadownload/products.html">https://www.ordnancesurvey.co.uk/opendatadownload/products.html</a>	06/07/2017	-	Yes	Yes
Railway Tracks	<a href="https://www.ordnancesurvey.co.uk/opendatadownload/products.html">https://www.ordnancesurvey.co.uk/opendatadownload/products.html</a>	06/07/2017	Part of the OS OpenMap Local Layer	Yes	Yes

Historical Data					
Layer	Hyperlink to Dataset	Date of Download	Notes	loaded to ArcGIS Online (AGO)	do we have the data source?
Listed Buildings	<a href="https://services.historicengland.org.uk/NMRDataDownload/SecurePages/Download.aspx">https://services.historicengland.org.uk/NMRDataDownload/SecurePages/Download.aspx</a>	06/07/2017	-	Yes	Yes
Registered Park and Gardens	<a href="https://services.historicengland.org.uk/NMRDataDownload/SecurePages/Download.aspx">https://services.historicengland.org.uk/NMRDataDownload/SecurePages/Download.aspx</a>	06/07/2017	-	Yes	Yes
Scheduled Monuments	<a href="https://services.historicengland.org.uk/NMRDataDownload/SecurePages/Download.aspx">https://services.historicengland.org.uk/NMRDataDownload/SecurePages/Download.aspx</a>	06/07/2017	-	Yes	Yes

Electric Transmission Lines					
Layer	Hyperlink to Dataset	Date of Download	Notes	loaded to ArcGIS Online (AGO)	do we have the data source?
Electric Transmission Lines	<a href="http://www.ordnancesurvey.co.uk/business-and-government/products">http://www.ordnancesurvey.co.uk/business-and-government/products</a>	06/07/2017	-	Yes	Yes

RSPB					
Layer	Hyperlink to Dataset	Date of Download	Notes	loaded to ArcGIS Online (AGO)	do we have the data source?
RSPB Reserves	<a href="http://www2.rspb.org.uk/our-work/conservation/conservation-and-sustainability/mapping">http://www2.rspb.org.uk/our-work/conservation/conservation-and-sustainability/mapping</a>	06/07/2017	-	Yes	Yes

Green Belt					
Layer	Hyperlink to Dataset	Date of Download	Notes	loaded to ArcGIS Online (AGO)	do we have the data source?
Green Belt	<a href="https://data.gov.uk/dataset/english-local-authority-green-belt-dataset1">https://data.gov.uk/dataset/english-local-authority-green-belt-dataset1</a>	06/07/2017	-	Yes	Yes

National Grid					
Layer	Hyperlink to Dataset	Date of Download	Notes	loaded to ArcGIS Online (AGO)	do we have the data source?
Towers	<a href="http://www2.nationalgrid.com/UK/Services/Land-and-Development/Planning-Authority/Sha">www2.nationalgrid.com/UK/Services/Land-and-Development/Planning-Authority/Sha</a>	06/07/2017	-	Yes	Yes
Gas Pipe	<a href="http://www2.nationalgrid.com/UK/Services/Land-and-Development/Planning-Authority/Sha">www2.nationalgrid.com/UK/Services/Land-and-Development/Planning-Authority/Sha</a>	06/07/2017	-	Yes	Yes
Cable	<a href="http://www2.nationalgrid.com/UK/Services/Land-and-Development/Planning-Authority/Sha">www2.nationalgrid.com/UK/Services/Land-and-Development/Planning-Authority/Sha</a>	06/07/2017	-	Yes	Yes
Over Head Lines	<a href="http://www2.nationalgrid.com/UK/Services/Land-and-Development/Planning-Authority/Sha">www2.nationalgrid.com/UK/Services/Land-and-Development/Planning-Authority/Sha</a>	06/07/2017	-	Yes	Yes
Gas Site	<a href="http://www2.nationalgrid.com/UK/Services/Land-and-Development/Planning-Authority/Sha">www2.nationalgrid.com/UK/Services/Land-and-Development/Planning-Authority/Sha</a>	06/07/2017	-	Yes	Yes
Substation	<a href="http://www2.nationalgrid.com/UK/Services/Land-and-Development/Planning-Authority/Sha">www2.nationalgrid.com/UK/Services/Land-and-Development/Planning-Authority/Sha</a>	06/07/2017	-	Yes	Yes

District Boundaries					
Layer	Hyperlink to Dataset	Date of download	Notes	loaded to ArcGIS Online (AGO)	do we have the data source?
District Boundaries	<a href="https://borders.ukdataservice.ac.uk/easy_download_data.html?data=England_lad_20">https://borders.ukdataservice.ac.uk/easy_download_data.html?data=England_lad_20</a>	06/07/2017	-	Yes	Yes

Client Data					
Layer	Hyperlink to Dataset	Date of download	Notes	loaded to ArcGIS Online (AGO)	do we have the data source?
Local Wildlife Sites	<a href="#">D - CARBON\712616 - Bassetlaw\Graphics\01 - GIS\02 - Incoming\2017-07-06 Hanna</a>	06/07/2017	-	Yes	No
Potential Contaminated Land	<a href="#">D - CARBON\712616 - Bassetlaw\Graphics\01 - GIS\02 - Incoming\2017-07-06 Hanna</a>	06/07/2017	-	Yes	No

## **Appendix 3: Stage 1 Parish Assessments**

Parish	Rural Cluster	Designations, Physical and Environmental Constraints	Opportunities	Convenience	School	GP	Post Of.	Summary
Babworth	Retford and villages	Within Babworth there are two electricity lines running north to south through the centre of the Parish region road contours. A railway line runs east to west in the centre too. The south of the Parish Road contour is characterised by Flood Zone 2 and 3 and located in the north east there is a Registered Park and Garden. Babworth has one primary service a GP and in the North is HMP Ranby too.	Babworth is located close to Retford which could provide the missing services. Much of the land throughout the parish is undesignated arable fields and the A1 bounds the Parish to the west and south.	0	0	1	0	Babworth is considered to be a constrained parish as there are notable landscape features such as powerlines, railway lines and HMP Ranby. Furthermore, there is limited primary service provision with only one GP being available, while there is ample land available for development the limited service drags the overall scoring of the parish down.
Beckingham	North East	In the eastern half of the parish, Beckingham is covered by flood zone 2 and 3 designation. Electricity lines runs north and south too and much of the south east is a local wildlife site (LWS). The west of the parish is considerably less constrained with a small band of flood zone 2 and 3 in the south west and 2 LWS. The rest of the land in the west is arable fields adjacent to the parish road contours.	The A631 runs north and south through the centre of Beckingham which provides good connectivity with the rest of the Borough. Furthermore Beckingham contains one of each of the primary services and land in the west of the Parish is characterised as open fields without any designations. There are suitable areas for development connecting to the road contours which would enable a new settlement to support nearby services.	1	1	1	1	Beckingham has suitable land for development to the west of the parish which is free of any designations and are also connected to the 2.5km road contours. Furthermore, Beckingham contains one of each primary service which strengthens the parish's standing for further assessment. However, the east of Beckingham is considered to be unsuitable for development because of the considerable designations, physical and environmental constraints. Overall the west of the parish presents a major opportunity for development.
Blyth	Harworth and Bircotes	Blyth has Flood zone 2 and 3 predominantly in the north, central and to the west of the parish. Furthermore, there are LWS which occupy swathes of the north too. Electricity transmission lines run north-west to south-east in the southern section of the parish. There is a conservation area covering much of the village of Blyth. The road contours extend out to the east of the and north of the parish.	The A1 runs through the centre of the parish in a south to north-west direction and appears to have good access through a junction from Bawtry Road. Blyth contains one of each of the key services and through the 2.5 road contours connect the Parish to surrounding settlements. There is limited unconstrained land in the south of the parish.	1	1	1	1	Blyth is consider to have limited land available for development due to the designations, physical and environmental constraints. The only land available is in the south of the parish. Blyth does contain one of every primary service and the 2.5km road contours does connect the parish to surrounding areas. However, the constraints on the land is considered to weigh the overall parish strengths down which makes it an Category 2 parish.
Carlton-in-Lindrick	Carlton and Langold	Much of the parish of Carlton-in-Lindrick is covered by the 2.5km road contours which connects the parish to Worksop and open arable fields. There is a narrow band of land within flood zones 2 and 3 running north east, central and west of the centre of the parish. There is a schedule monument in the centre at Wigthorpe and several Grade Listed Buildings within the village of Carlton-in-Lindrick.	Carlton-in-Lindrick boasts ample primary service provision with 3 convenience stores, 1 school, 2 GPs and 2 post offices. The land is relatively free of constraints and a development could take advantage of the open fields. Furthermore, the road contours connect the parish into Worksop which would allow a new settlement to use the services and employment opportunities there.	3	1	2	2	Carlton-in-Lindrick is considered to have substantial amounts of land available for a potential new settlement. The Parish itself contains several of the primary services and the road contours connect the parish into the major settlement of Worksop. It is these factors which make the parish a suitable candidate for further assessment through a sustainability appraisal and a potential location for a new settlement.
Clarborough and Welham	Retford and villages	Clarborough and Welham has flood zones 2 and 3 in the western section of the parish, a rail line runs across the south west and east, an electric transmission line runs across the centre of the parish west to east, an SSSI is located in the south east of the parish along an existing train line.	Clarborough and Welham are well connected to other settlements i.e.. Retford, flat open fields at the centre of the parish and undesignated land to the east which have potential to accommodate development.	1	0	1	1	Clarborough and Welham has suitable land for development east of Clarborough, there is a train line and electricity transmission lines both running east to west which development will need to consider and appropriately mitigate against.

Definition of findings	
Category 1	An area with good potential to accommodate a new settlement, with little or no limitations affecting the area. Parishes with areas that fell within this category were taken forward to stage 2 of the study. A Sustainability Appraisal was undertaken for each of the sites.
Category 2	An area with potential to accommodate a new settlement with a few constraints directly affecting any potential site. Parishes which have sites which fell into this category were not taken through to stage 2 as more appropriate locations exist elsewhere in the District.
Category 3	An area with significant constraints which would potentially impact on the development of a new settlement. Parishes categorised as red are considered the least suitable areas for a new settlement due to the number of designations and constraints. With the exception of a site in Bothamsall (Former Bevercotes Colliery), parishes in category 3 were not taken forward for further consideration.

Cuckney	South West	Cuckney has small sloping hills across the parish, a river running through the boundary south to east, there is predominantly grade 2 arable land at the centre and west of the parish. There is a Registered Park and Garden to the north east and is missing 2 services - a school and a post office.	Cuckney has undesignated land south of the centre and east of the parish, a large former colliery site is located in the southeast of the parish.	1	0	1	0	Cuckney, due to the designations and constraints this parish is less suitable for development. Land designations cover the majority of the north of the parish and development in the south is likely to lead to coalescence.
Darlton	Tuxford and Markham	Darlton has land within flood zones 2 and 3 to the north and east of the parish, scheduled monuments are located east and west of the parish, and is missing 3 services - a school, post office and a GP Surgery.	Darlton has undesignated land at the centre north and south of the parish, flat open fields are at the centre. The parish is also in close proximity to a number of surrounding settlements.	1	0	0	0	Darlton has suitable land south of the centre, the land is undesignated and would be in a suitable location for developing a new settlement, the new development will also be able to bring additional services.
Dunham-on-Trent	Trent Corridor	Dunham has land within flood zones 2 and 3 centre and east of the parish, scheduled monuments are located east and west of the parish, 2 electricity transmission lines run north and south through the centre of the parish.	Dunham has undesignated land to the west of the parish, flat open fields at the east and west of the parish.	0	0	1	0	Dunham-on-Trent, due to the constraints and designations including land within flood zones 2 and 3 which covers most of the parish, the parish is also isolated located along the eastern most section of the district. Dunham-on-Trent is seen as less suitable for development.
East Markham	Tuxford and Markham	East Markham has grade 2 arable land at the centre and west of the parish, land within flood zones 2 and 3 north east are within the northeast of the parish, rail line goes through the centre running north to south.	East Markham has a number of small settlements in the parish that would benefit from additional services.	0	0	1	0	East Markham, due to the constraints and designations with the land being primarily designated ALC2 is deemed less suitable for development.
Elkesley	Tuxford and Markham	Elkesley has small sloping hills to the north and west, contaminated land to the west, an electricity transmission line in the west of the parish running north to south, land within flood zone 2 and 3 at the south and east, large grade 2 arable land to the east, located close to other cluster villages and missing 2 services a school and a post office.	Elkesley has relatively flat land north east of the village, potentially contaminated land for development on located north east (Gamston Airport), the A1 runs through the village east to north-west.	1	0	1	0	Elkesley has suitable land for development in the north east (Gamston airport), land while classed as ALC 2 has the potential to be contaminated and therefore some of this may have the potential of being considered as previously developed land and favourable in principle for development.
Everton	Everton and Mattersey	Everton has land which is within flood zones 2 and 3 surrounding the parish, grade 2 arable land in the north east, missing 2 services, largely isolated from other cluster villages.	Everton has undesignated land south west of the village, the area is along a main road A631.	1	0	1	0	Everton, due to the constraints and designations the as the land is viewed as less suitable for development, the southwest, north and northeast of the parish will be constrained by nearby flood zone 2 and 3.
Gamston	Tuxford and Markham	Gamston has flood zone 2 and 3 located through the centre of the parish, grade 2 arable land located at the centre and south east of the parish, limited services.	Gamston is located along the main road - the A638, Largely open fields, large area of brownfield land Gamston Airport, and is in close proximity to Retford and Tuxford, close to neighbouring villages and A1.	0	0	1	0	Gamston has suitable land for development west of the village (Gamston airport), the parish contains brownfield land which could be appropriate for re-use. Sited close to A1 and other villages clusters.
Gringley on the Hill	North East	Gringley on the Hill has flood zone 2 and 3 located north and west in the parish parish, grade 2 arable land located in the northern section of the site, scheduled monuments located in eastern part of the parish, missing 2 services - a local convenience store and a post office, the parish is relatively isolated.	Gringley on the Hill is situated along the A631, and most of the land which surrounds the village is largely undesignated.	0	1	1	0	Gringley on the Hill is a Category 2 location due to the remoteness of the area and the ALC 2 and Flood Zone 2 and 3 north of the village. There remains undesignated land to the south of the village with potential for development.

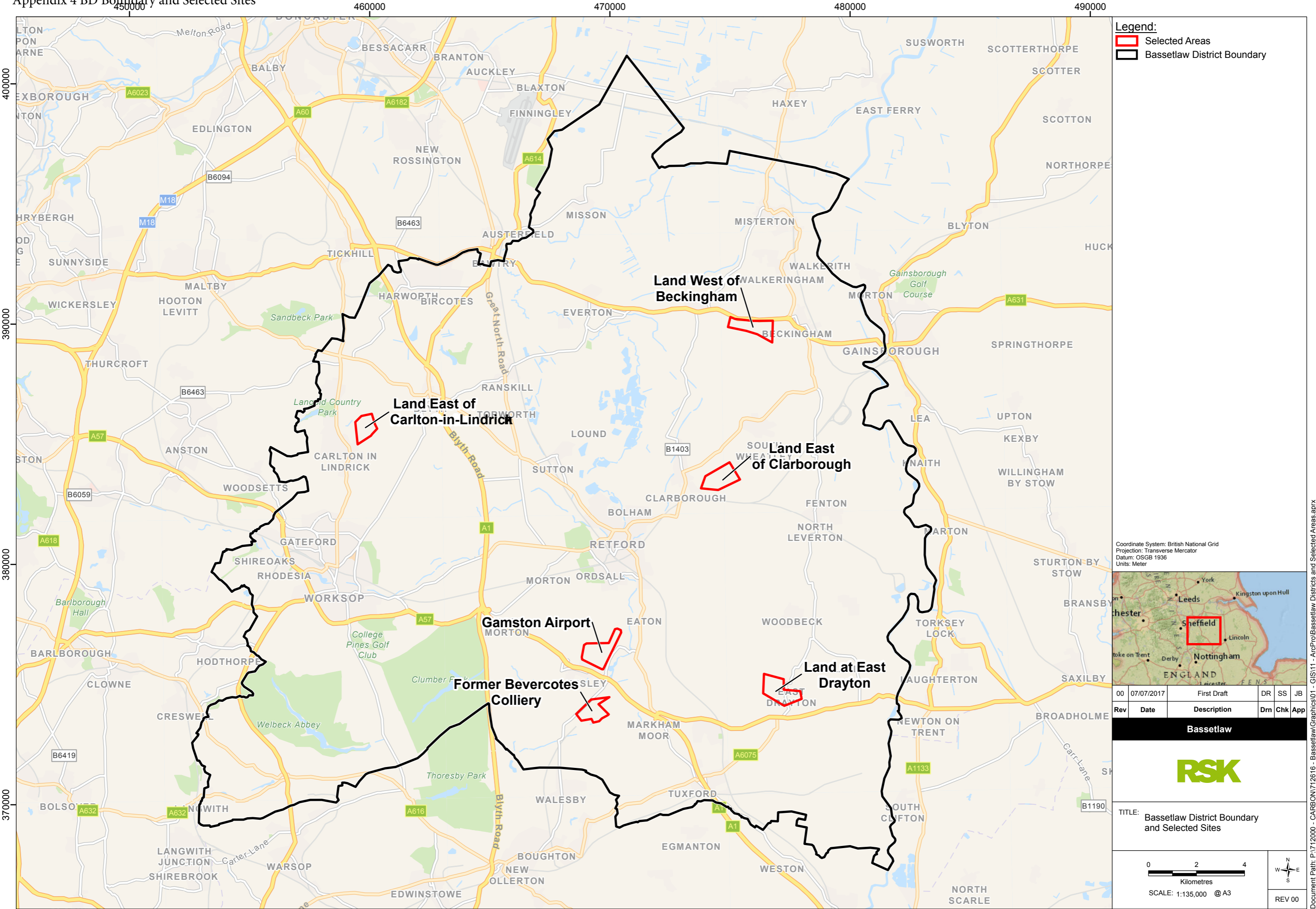
Hodsock	Carlton and Landgold	Hodsock has land which is located in flood zones 2 and 3, this is located centre, north east and south east of the parish. Local Nature Reserve (LNR) located to the west, scheduled monuments located south west, electricity transmission lines running south east to north.	Hodsock has land west of the centre is appropriate for development, sufficient level of services, nearby Carlton in Lindrick and Worksop have a large level of services also and is well located to be being within easy access to the A1.	3	2	1	1	Hodsock has land suitable for development to the west of the centre as the local services can sustain the population to a greater extent and despite the designation of flood risk 2 and 3 there is still enough room. Close proximity to the A1 will also help in preventing too much traffic from entering into the local roads.
Mattersey	Everton and Mattersey	Mattersey has land which is located within flood zones 2 and 3, which is to the north, north west and south east, grade 2 arable land located south west, east and north east, scheduled monument located east within the parish, historic landfill west section of the parish, largely isolated settlement. It is lacking the provision of a school.	Mattersey has undesignated land south of the centre of the parish, has 3 services.	1	0	1	1	Mattersey is a Category 2 location due to existing designations and constraints, flood zone 2 and 3 limit the availability of land as the centre and north of the parish, while a SSSI is South East of the village. There is a small parcel of land located north east of the village however it is surrounded by flood zone.
Misson	Non clustered	Misson has land which is located in flood zones 2 and 3 covering the entirety of the parish. grade 1 and 2 arable land located to the east and south east, missing 2 services - a school and a post office, there is SSSI located east section of the site.	Misson has flat land which is appropriate for development	1	0	1	0	Misson, due to the constraints and designations the land is viewed as less suitable for development. Flood Zone 2 and 3 cover the majority of the parish and ALC 1 located in the north east. Misson is also un-clustered and has no nearby settlements, therefore against the Councils objectives
Misterton	North East	Misterton has land which is located in flood zones 2 and 3 located east, north and west of the parish, grade 2 arable land located west and north, grade 1 arable land located east of the parish, 2 electricity transmission lines run east of the centre of the parish running north to south, grade 1 listed building in the centre of the area, largely built up area.	Misterton has undesignated land to the south of the parish, the village also has all required services.	3	1	1	1	Misterton is a Category 2 location due to existing designations and constraints, flood zone 2 and 3 are east, north and west of the village. ALC 2 is west and north and ALC 1 is east. A parcel of land south of the village remains suitable for development however more appropriate parishes remain elsewhere in the District.
Nether Langwith	South West	Nether Langwith has land which is located in flood zones 2 and 3 running throughout the parish east to west, railway tracks running north and south, arable land west and north, parks and gardens located north east of the parish, ancient woodland located west, SSSI south of the parish, largely built up area.	Nether Langwith has undesignated land to the east of the parish.	1	0	0	1	Nether Langwith, due to the constraints this parish is less suitable for development, while a small parcel of undesignated land exists in the east, the presence of Ancient woodland, SSSI and in a built up area which may result in coalescence make the area unfavourable for development.
Normanton on Trent	South East	Normanton on Trent has land which is located in flood zones 2 and 3 located east and south, grade 2 arable land located at the centre and south of the parish, 5 electricity transmission lines, railway tracks running south to west and west to north, isolated area, missing 3 services - namely the absence of a Convenience shop, a school and a post office.	Normanton on Trent has flat open land which is undesignated to the north west.	0	0	1	0	Normanton on Trent, due to the constraints this site is less suitable for development. The physical constraints of the electricity transmission lines are an avoidable issue along with the flood zone 2 and 3 in the centre and east of the parish.

North Leverton with Hablesthorpe	Trent Corridor	North Leverton with Hablesthorpe has land which is located in flood zones 2 and 3 which is located east of the site, railway track running from north and south east to the west, 4 electricity transmission lines running south east to north, SSSI located south, southwest and west of the parish.	North Leverton with Hablesthorpe has undesignated land to the north west, flat open land, contains all of the required services	1	1	1	1	North Leverton with Hablesthorpe is in a less appropriate location due to existing designations and constraints, the area has land with the potential for development to the west and all of the required services, however the area is relatively isolated from other settlements and would not support other settlements with additional services
Rampton	Trent Corridor	Rampton has flood which is located in flood zones 2 and 3 which is located east and south of parish, electricity transmission lines east of the site running north and south, SSSI located north and west, missing 1 service - a school, grade 1 listed building in the centre and north west, Rampton Prison located in the west of the parish.	Rampton has flat open fields, undesignated land north west and south west, has the majority of services.	1	0	1	1	Rampton is in a Category 2 location due to existing designations and constraints, there is land available for development west of Rampton, however it is likely development will lead to coalescence rather than being a independent settlement. Rampton prison located west should also be consider as a negative factor.
Ranskill	Harworth and Bircotes	Ranskill has land which is located in flood zones 2 and 3 located west and north of the parish, grade 2 arable land east and south of the centre, LNR located in the south of the parish, a electricity transmission line runs south to west, Flood zone 3 and 2 surrounding the parish, arable grade 2 east and south, LNR located at the south, missing 1 service - a school.	Ranskill has flat open fields, undesignated land at the south west suitable for development, has most services.	1	0	1	1	Ranskill is classified as a Category 2 location due to existing designations and constraints, the area is largely suitable for development to the west of Ranskill, it has most of the services locally required and those which are missing are in neighbouring settlements, development will be limited due to the presence of flood zone 2 and 3, more suitable locations exist in the District.
Rhodesia	Worksop and Village	Rhodesia has land which is located in flood zones 2 and 3 running north west to east, railway tracks running east to west and south, registered parks and gardens west of the parish, green belt located north west, scheduled monuments west of the parish, missing 1 service - a school, suburb of Worksop, largely built up area, ancient woodland located north west, ALC 2 land covering western part of the parish.	Rhodesia, located close to major settlement of Worksop and has majority of services	1	0	1	1	Rhodesia, due to the constraints this parish is less suitable for development, the close proximity to Worksop and ALC 2 designation make the area inappropriate for development.
Shireoaks	Worksop and Village	Shireoaks has land which is located in flood zones 2 and 3 located east running north west to south east, west of the centre is the scheduled monuments and registered park and gardens, ancient woodland located north and south west, railway tracks running west to east and south, grade 2 arable land located in the centre west and south, green belt located north of the parish. There is no school at this parish.	Shireoaks has flat open land, along the A57, services which are missing can be accessed from Worksop.	1	0	1	1	Shireoaks is a Category 2 location due to existing designations and constraints, the parish has undesignated land to the north which has the potential to accommodate development north of Shireoaks which is undesignated could hold development, however the area is limited due to a local nature reserve green belt and Worksop, more appropriate locations exist elsewhere in the district.
South Wheatley	Trent Corridor	South Wheatley has land which is located in flood zones 2 and 3 located east an west, grade 1 listed building at the centre of the location a electricity transmission line running east to west. There is no school in this parish.	South Wheatley has large open fields, close to different clusters, has the majority of services, undesignated land at the centre and south of the parish.	1	0	1	1	South Wheatley is a Category 2 location due to the existing physical constraints such as the electricity transmission line to the south of the parish.

Sturton Le Steeple	Trent Corridor	Sturton Le Steeple has land which is located in flood zones 2 and 3 centre and east of the village, 4 Electricity transmission lines running north to south east and 1 west of the village, railway line from the west leading north and south, missing 2 services - a convenience shop and a school.	Sturton Le Steeple has undesignated land west of the village, centre of a cluster which may be suitable for development.	0	0	1	1	Sturton Le Steeple, due to the constraints this parish is less suitable for development, the undesignated land west is constrained by the existing railway tracks and Electricity transmission lines and the centre and east are covered by flood zone 2 and 3 making development inappropriate.
Sutton	Retford and villages	Sutton has flood zone 2 and 3 East of the parish, potentially contaminated land south east and west of Sutton, grade 2 arable land east, west and north, historic landfill exists east of the parish, local wildlife sites north east, railway lines running north to south, SSSI located east, northeast and northwest of Sutton, LNR located north west.	Sutton has small settlements that would benefit from an additional village providing missing services.	0	0	1	1	Sutton, due to the constraints and designations this parish is less suitable for development due to SSSI, Flood Zones and Historic Landfill and physical constraints, is likely to limit development potential.
Tuxford	Tuxford and Markham	Tuxford has ALC grade 2 land located at the centre and west of the parish, has 2 rail way tracks running east to west and north to south, has grade 1 listed buildings at the centre of the parish, Electricity transmission lines running west to east, contains sloping hills.	Tuxford has undesignated land east of the village, contains all of the services required, centralised in a cluster.	4	1	2	1	Tuxford is a Category 2 location due to existing designations and constraints, land east of Tuxford which is undesignated could have potential for development, however the area is limited due to existing physical constraints; the railway track and electricity transmission lines, Tuxford is also a major small settlement and development here would not bring benefits for other more rural locations.
Walkeringham	North East	Walkeringham has flood zone 2 and 3 east, north and north west in the parish, ALC grade 2 located west and north-east, ALC grade 1 located east and north-east, historic landfill west of Walkeringham, railway line running through the parish heading north to south, 2 electricity transmission lines running north to south, potentially contaminated land located north and west of Walkeringham, grade 1 listed building, missing 2 services.	Walkeringham has undesignated land south west of the village, small rural settlements nearby which would benefit from additional services.	0	0	1	1	Walkeringham is a Category 2 location due to existing designations and constraints, land south west of the village could see potential development however due to the amount of villages in the location this could lead to coalescence.
Welbeck	South West	Welbeck has a Registered Park and Garden located within the centre of the parish and ALC grade 2 west of Welbeck. Ancient woodland is located at the centre and east, Grade 1 listed building in the centre, missing 3 services.	Welbeck has undesignated land available east of the parish, settlements located in close proximity of Welbeck.	1	0	0	0	Welbeck, due to the constraints and designations this parish is less suitable for development, the designations in the parish as a Registered Park and Garden and the presence of ancient woodland makes the area inappropriate for development.
West Markham	Tuxford and Markham	West Markham has flood zone 2 and 3 located west in the parish, ALC grade 2 land is in the centre, north, south of the parish, 2 scheduled monuments are within the centre, a grade 1 listed building east of the parish, missing 3 services.	West Markham has undesignated land north and east of the parish, well connected to neighbouring settlements.	1	0	0	0	West Markham, due to the constraints this parish is less suitable for development the parish is covered mostly by ALC grade 2 on the east and flood zone 2 and 3 on the west, development opportunities will therefore be restricted.

## Appendix 4: Bassetlaw District Boundary and Selected Sites

Appendix 4 BD Boundary and Selected Sites

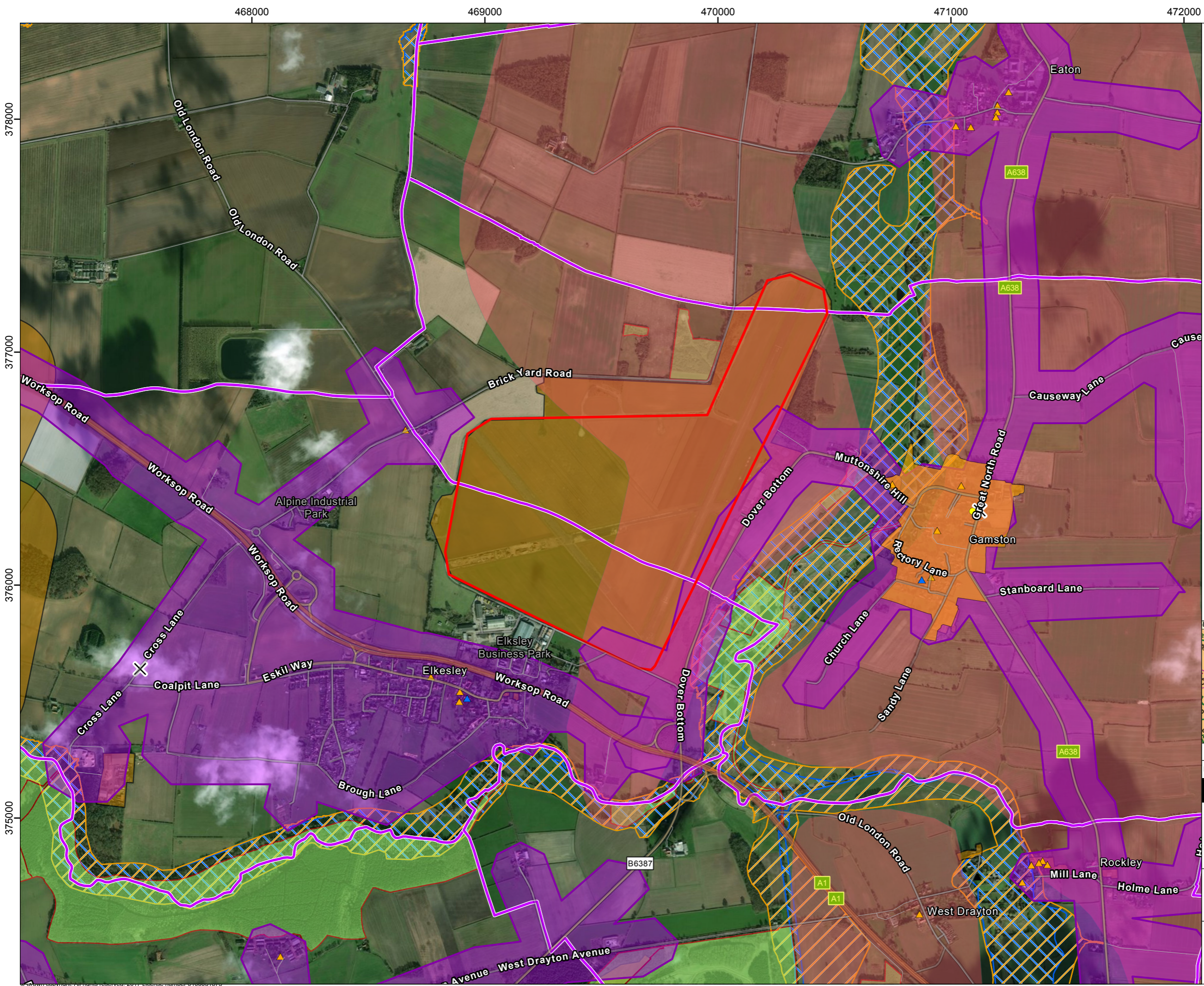


## Appendix 5: Sustainability Appraisal

Appendix 5 Sustainability Appraisal

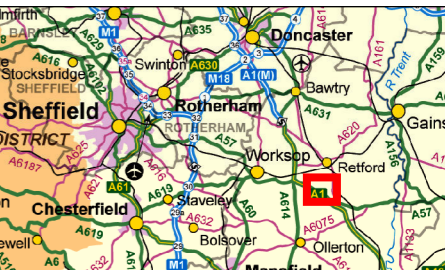
SA Objective	Appraisal Criteria	Threshold	Score	Site 1 Gamston Airport	Site 2 Former Bevercotes Colliery	Site 3 Land East of Carlton-in-Lindrick	Site 4 Land East of Clabrough	Site 5 Land West of Beckingham	Site 6 Land North of Darlton
1. Biodiversity: To conserve and enhance biodiversity and geodiversity amend promote improvements to the District's green infrastructure network	Proximity to statutory international or national nature conservation designations (SAC, SPA, Ramsar, National Nature Reserve, Ancient Woodland)	No designations affecting site	0	No statutory international or national nature conservation designations affect the site	No statutory international or national nature conservation designations affect the site	No statutory international or national nature conservation designations affect the site	No statutory international or national nature conservation designations affect the site	No statutory international or national nature conservation designations affect the site	No statutory international or national nature conservation designations affect the site
		Within 100m of a locally designated site (including RIGS)/Within 500m from an international/national site	-						
		Within 100m of a statutory international/national designated site	--						
	Proximity to statutory local nature conservation designations (Local Nature Reserve, Local Wildlife Site)	No designations affecting site	0	No statutory local nature conservation designations affect the site. Closest non-statutory Local Wildlife site is 175m south east of the site marsh banks of the River Dale	No statutory local nature conservation designations affect the site although the site includes a managed Forestry Commission nature reserve. The site is designated a local wildlife site	No statutory local nature conservation designations affect the site. Closest non-statutory Local Wildlife site 0.68km East, Cliff Farm Cottage	Closest SSSI 1.3km South (Clabrough Tunnel)	No statutory local nature conservation designations affect the site. Closest non-statutory Local Wildlife site is 1km South, Lundy M farm ditches. They are preserved to aid in draining the fields.	No statutory local nature conservation designations affect the site
		Within 100m of a locally designated site (including RIGS)/Within 500m from an international/national site	-						
		Within 100m of a statutory international/national designated site	--						
	Proximity to statutory Regionally Important Geological Site (RIGS)	No designations affecting site	0	No RIGS affect the site	No RIGS affect the site	No RIGS affect the site	No RIGS affect the site	No RIGS affect the site	No RIGS affect the site
		Within 100m of a locally designated site (including RIGS)/Within 500m from an international/national site	-						
		Within 100m of a statutory international/national designated site	--						
2. Housing: To ensure that the District's housing needs are met.	Loss of existing dwellings	0 dwellings	0	No loss of dwellings	No loss of dwellings	No loss of dwellings	No loss of dwellings	No loss of dwellings	No loss of dwellings
		loss of 1 to 99 dwellings (loss of 2.9ha or more)	-						
		loss of 100 or more dwellings (loss of 3ha or more)	--						
3. Economic and skills: To promote a strong economy which offers high quality local employment opportunities	Loss of employment land	0ha of land lost	0	The redevelopment of Retford Airport will lead to a loss of airport related employment land	No loss of employment land.	No loss of employment landhowever agricultural land would be lost	No loss of employment landhowever agricultural land would be lost	Four farm are located along the main road (Mil Farm, Hobbleswhite, Lundy Inn, Woodhouse Farm) and a Pet Store (Workers Lodge) which may potentially be affected	No loss of employment landhowever agricultural land would be lost
		0.1ha of land lost to 0.99ha of land lost	-						
		1ha+ of land lost	--						
	Proximity of key employment sites	Within 2km and/or 30mins travel time by public transport of a major employment site	+	Retford 4.8 km north is accessible within 30 minutes (16 mins walking, 9 min bus) via 37 bus which operates hourly service during commuting times.	Retford 6.82 km to the north is approximately 44 minutes travel (33 mins walk, 11 minute bus).	Workshop is 6.8km south of the site and accessible by the No. 21 bus which takes 23 minutes and 11 minutes walking	Retford 4.8km to the south west is accessible by public transport within 30 minutes (approximately 10 minutes walk and 7 minutes on the No. 97 bus)	Gainsborough is c.5km away but accessible by the No. 195 bus (13 minutes) and walking (14 mins)	Retford and Workshop are both beyond 2km distance and 30 minutes travel time by public transport
		in excess of 2km of major employment site	0						
4. Regeneration and social inclusion: To promote regeneration, tackle deprivation and ensure accessibility for all	Distance to key services: - GP surgeries - Pharmacies - Primarily Schools - Secondary Schools - Post Offices - Shops / Supermarkets	Within 800m of all services	++	The site is located within 800m of Ellesley which has a primary school, a shop and a post office. Gamston, also within 800m, has a primary school and medical centre including pharmacy.	The site is located within 800m of Ellesley which has a primary school, a shop and a post office.	Carlton-in-Lindrick 780m to the west of the site has a large shop (Co-op) and primary school. Langold, 1.8km North West, contains a post office, 1 GP, 2 shops and primary school	The closest key services to the site are within 1.7km of the west (Clabrough which provides a GP, shop and Post Office.	The site is located approximately 1.5km from Beckingham (shop, GP, primary school and post office).	Site is located 1.1km from the nearest shopping service (Darlton).
		Within 800m of one or more key services	+						
		Within 2km of a key service	0						
		in excess of 2km from all services	-						
		Within 800m of a town centre	++						
	Proximity to town centres	Within 2km of a town centre	+	Retford, the nearest town centre, is approximately 4.8km to the north.	Retford, the nearest town centre, is approximately 6.6km to the north.	Workshop, the nearest town centre, is approximately 6.8km south of the site	Retford, the nearest town centre, is approximately 4.8km to the south west.	Gainsborough, the nearest town centre, is approximately 4.9km to the east	Retford, the nearest town centre, is approximately 16km of the north west, which is the main service provider centre
		in excess of 2km from a town centre	-						
		Development would not result in the loss of existing community facilities or services.	0						
	Loss of community facilities or services	Development would result in the loss of existing community facilities or services.	-	Development of the site would result in the loss of ainfo services however these are not community facilities or services. Both Ellesley and Gamston have village halls.	Development of the site would not result in a loss of community facilities or services.	Development of the site would not result in a loss of community facilities or services.	Development of the site would not result in a loss of community facilities or services.	Development of the site would not result in a loss of community facilities or services.	Development of the site would not result in a loss of community facilities or services.
		Development would result in the loss of key services and facilities without their replacement in the	--						
		Within 800m of a GP surgery and open space	++						
5. Health and Wellbeing: To improve health and reduce health inequalities	Access to GP surgeries, Open space (including sports and recreational facilities)	Within 800m of a GP surgery or open space	+	Gamston within 800m of the site has a medical centre.	The site itself provides open space (Forestry Commission woodland)	Two GP surgeries are located 1.7km to the west (Carlton-in-Lindrick), and a park is located 1.3km to the East (Carlton-in-Lindrick)	GP surgeries are located in Clabrough within 2km of the site.	The closest GP surgery is 1.36km to the east (Beckingham), no public open space is present within 2km	The nearest GP service is 3.56 km (East Markham) 2nd closest is 4.11 km away (Dunham-on-Trent)
		Within 2km of a GP surgery or open space	0						
		In excess of 2km from a GP and/or open space	-						
		Site contains no open space or health facilities	0						
	Loss of open space and/or health facilities	Site contains open space or health facilities	-	The site provides no existing publically open space or health facilities	The site includes Forestry Commission woodland which us publically accessible open space	The site provides no existing publically open space or health facilities	The site provides no existing publically open space or health facilities	The site provides no existing publically open space or health facilities	The site provides no existing publically open space or health facilities
		Site contains both open spaces and health facilities	--						
		Not Located in close proximity to unsuitable neighbouring uses	0						
	Unsuitable Neighbouring uses	uses and which could have an adverse effect on human health	-	The site appears to have no neighbouring uses that may adversely effect human health	The site appears to have no neighbouring uses that may adversely effect human health	The site appears to have no neighbouring uses that may adversely effect human health	The site appears to have no neighbouring uses that may adversely effect human health	The site appears to have no neighbouring uses that may adversely effect human health	The site appears to have no neighbouring uses that may adversely effect human health
		uses and which could have a significant effect on human health	--						
		Within 400m of all Services	++						
6. Transport: To reduce the need to travel, promote sustainable modes of transport and align Investment in infrastructure with growth	Access to Bus Stops, Railway Stations, Cycle Routes	Within 400m or more of one or more services	+	Closest bus stop to the site are 1km south (Elkesley) and train station 4km North (Retford)	Closest bus stop to the site are 1km North East (East Drayton) and train station 6km North (Retford)	Closest bus stop is 810m West (North and train station is 5.9km East (Workshop)	Closest bus stop is 1.5km West (Clabrough) and train station 5.85km South West (Retford)	Closest bus stop is 1.5km East (Beckingham) and train station is 5.6km East (Gainsborough)	There is a single bus stop on the site, the closest train station 8.5km North West (Retford)
		In excess of 400m from all services	-						
		Previously Developed (Brownfield Land)	++						
7. Land Use and Soils: To encourage the	Development of Brownfield/ Greenfield/ mixed land Development or agricultural land including best and most versatile agricultural land (Agricultural Land Classification (ALC) grades 1, 2 and 3)	Mixed greenfield/brownfield land	+	Gamston Airport comprises a mixture of brownfield and greenfield land, with the airport buildings and storage / use of aviation fuel giving rise to potential ground contamination.	NPPF considers brownfield to include as land that has been developed for minerals extraction	The site is greenfield in ALC Grade 3	The site is greenfield in ALC Grade 3	The site is greenfield in ALC Grade 3	The site is greenfield in ALC Grade 3
		Greenfield not in ALC grades 1,2 or 3)	0						
		Greenfield (in ALC Grade 3)	-/?						
		Greenfield (in ALC grade 1 or 2).	--						
		In excess of 50m of a waterbody	0						
8. Water: To conserve and enhance water quality and resources	Proximity to waterbodies	Within 10-50m of a waterbody	-	The River Idle is located approximately 250m south east of the site.	The River Meden forms a natural perimeter from the North East to the South East of the site. There is also a small water body at the southern edge of the site	Four waterbodies appear to be are present on site	The site appears from available mapping not to be located close to any waterbodies	The site appears from available mapping not to be located close to any waterbodies	The site appears from available mapping not to be located close to any waterbodies
		Within 10m of a waterbody	--						
		Within Flood Zone 1 (low risk)	0						
		Within Flood Zone 2 (medium risk)	-						
9. Flood Risk: minimise flood risk and reduce the impact of flooding taking into account climate change	Presence of Environment Agency Flood Zones	Within Flood Zone 3 (high risk)	--	The site is located in Flood Zone 1 (low risk of flood) with Flood Zones 2 / 3 located approximately 150m to the east.	The site is located in Flood Zone 1 (low risk of flood), with Flood Zone 2 / 3 located approximately 300m to the east.	The site is located in Flood Zone 1 (low risk of flood), with Flood Zone 2 / 3 located immediately to the south east	The site is located in Flood Zone 1 (low risk of flood), with Flood Zone 2 / 3 located 1.2km to the north east	The site is located in Flood Zone 1 (low risk of flood), with the closted Flood Zone 2 1.4 km to the west and Flood Zone 3 2.8km to the east	The site is located in Flood Zone 1 (low risk of flood), with Flood Zone 2 / 3 located 300m to the north east
		Not within 2km of site boundary	0						
		Within 2km of site boundary	-						
10. Cultural Heritage: To conserve and enhance the district's historic environment, cultural heritage, character and setting	Proximity to Conservation Areas and Listed Buildings	Within the site	--	Nearest listed buildings within 2km of the site, a Grade I Listed St Peter's Church approximately 1.2km to the east. The closest Conservation Area to Gamston Airport is Gamston CA located 1.2km east	Nearest listed buildings within 2km of the site, a Grade II Listed Milestone 1km to the west and Grade I (St. Peters Church) 1.13km to the east. The closest Conservation Area, is Bevercotes CA located 1.43km south east	Nearest listed buildings within 2km of the site, a Grade II Dovecot Cottage 0.85km to the north west. The closest Conservation Area, is Carlton-in-Lindrick CA located 600m south	Nearest listed buildings within 2km of the site, a Grade II Listed Building Bams and Pigeoncote at the Manor 1.6km to the north west. The closest Conservation Area, is Wheatley CA located 2.4km north east	Nearest listed buildings within 2km of the site, a Grade II Listed Building is located approximately 300m to the east of the site (Pigeoncote and Fodder Store at Pear Tree Farm). The closest Conservation Area, is Gringley on the Hill CA located 2.1km west	The site contains a Grade I Listed Building (Church of St. Peters) and 5 Grade II Listed Buildings. The closest Conservation Area, is East Drayton CA located 650m north east.
		Not within 5km of site	0						
		Within 5km of site	-						
11. Landscape and Townscape: To conserve and enhance the District's landscape character and townscapes	Proximity to Registered Parks and Gardens	Within the site	--	The site is not in or located within 5km to registered parks and gardens	The site is not located within 5km of a Registered Park or Garden. Lound Hall is a grade 2 listed building with the property and grounds currently undergoing restoration works. Lound Hall lies approximately 1km to the south of the site	The site is not in or located within 5km to registered parks and gardens. However, the site would cut through Hodsack park. Which is an historic park dating back to the roman or medieval periods	The site is not in or located within 5km to registered parks and gardens	The site is not in or located within 5km to registered parks and gardens	The site is not in or located within 5km to registered parks and gardens
SITE TOTALS (Out of 18)				++	0	1	0	0	0
				+	4	2	2	1	1
				0	10	9	11	13	12
				-	3	5	3	3	3
				--	1	1	1	0	1
				~	0	0	0	0	0
				-/?	0	0	1	1	1
Taken forward to Stage 3?					✓	✓	✓	✗	✗

## Appendix 6.1 – 6.6: Site Selection



- Legend:**
- Gamston Airport
  - Parish Region Road Contours (2.5km)
  - Parish Region Boundaries
  - Parish Region Centre
  - Parish Contour Start Locations
  - Listed Buildings - I
  - Listed Buildings - II
  - Listed Buildings - II\*
  - Conservation Areas
  - Parish Region Road Contours (2.5km)
  - Local Wildlife Sites
  - Potential Contaminated Land
  - Flood Zone 2
  - Flood Zone 3
  - Agricultural Land Classification:
    - Grade 2

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter

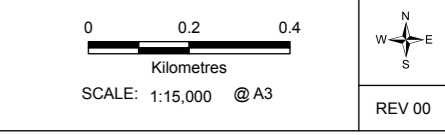


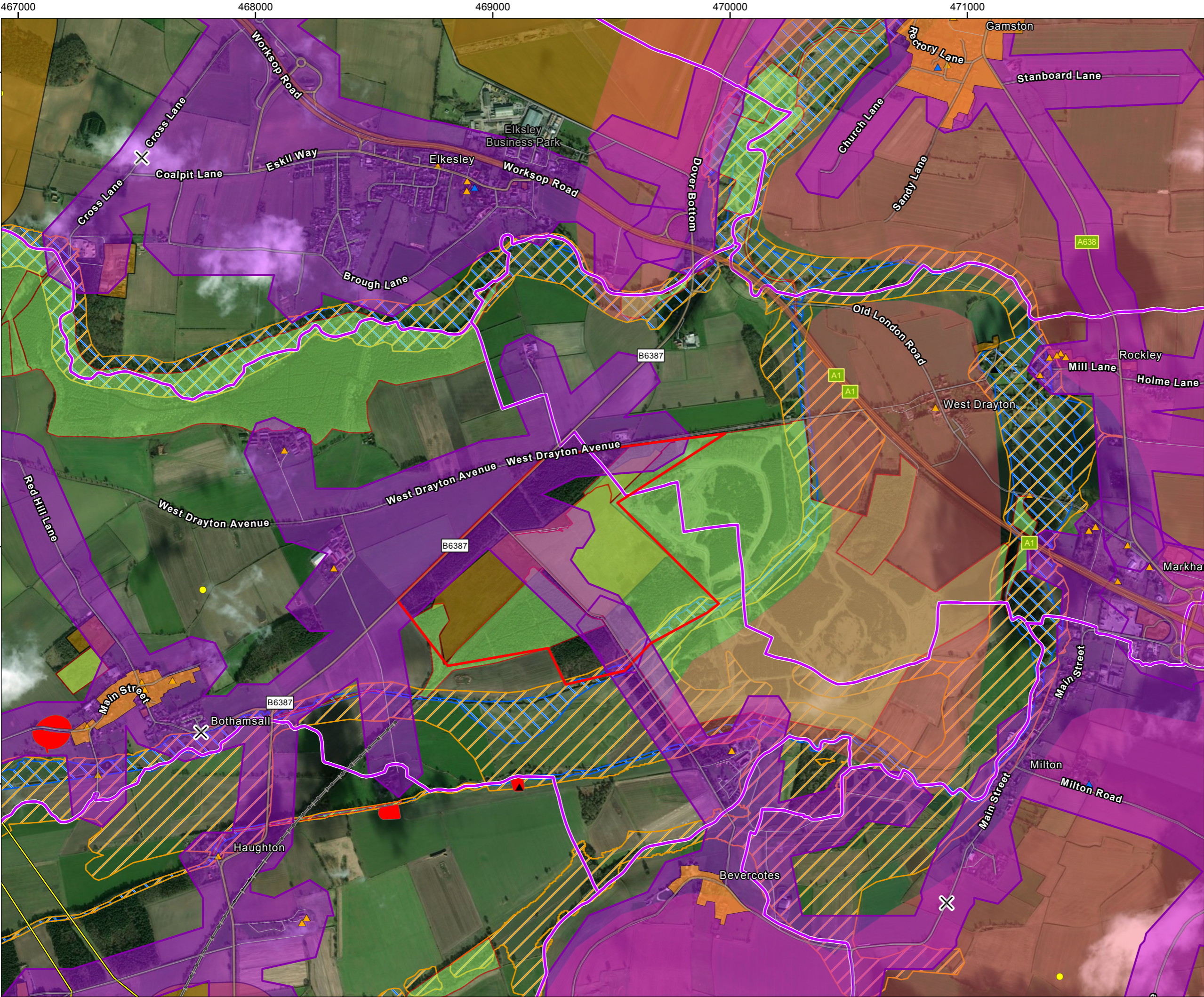
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**Bassetlaw**



TITLE: Site Selection  
Gamston Airport  
Appendix 6.1

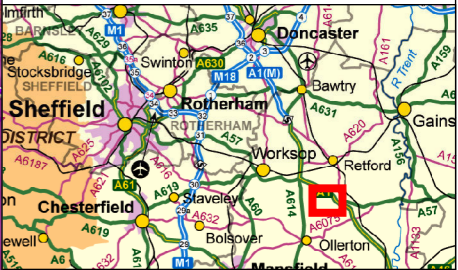




**Legend:**

- Former Bevercotes Colliery
- Parish Region Road Contours (2.5km)
- Parish Region Boundaries
- Parish Region Centre
- Parish Contour Start Locations
- Railway Tracks
- Electricity Transmission Lines
- Over Head Lines
- Listed Buildings - I
- Listed Buildings - II
- Listed Buildings - II\*
- Conservation Areas
- Parish Region Road Contours (2.5km)
- Scheduled Monuments
- Local Wildlife Sites
- Potential Contaminated Land
- Flood Zone 2
- Flood Zone 3
- Agricultural Land Classification:
  - Grade 2

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



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Rev	Date	Description	Drn	Chk	App

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TITLE: Site Selection  
Former Bevercotes Colliery  
Appendix 6.2

00.20.4

Kilometres

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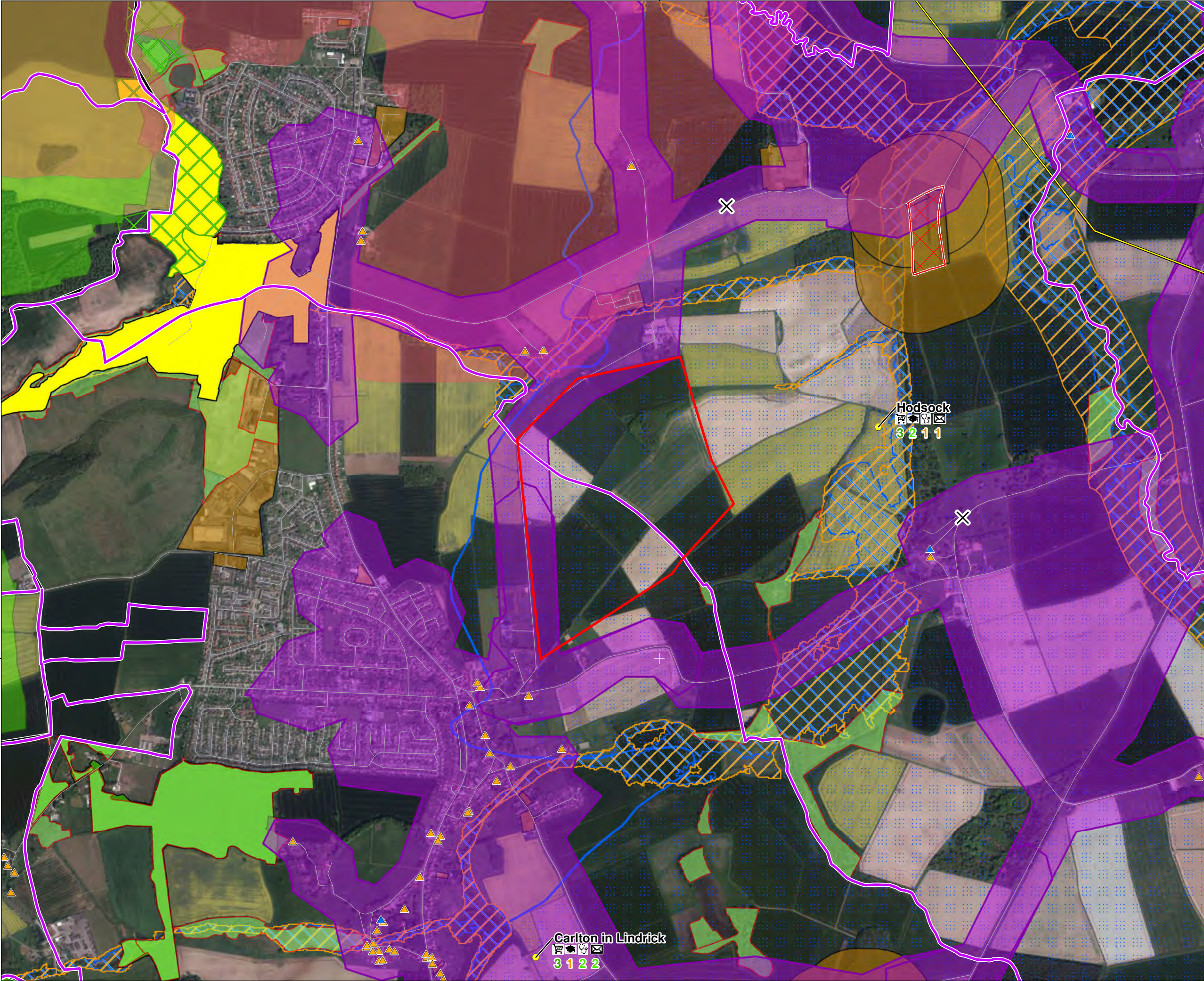
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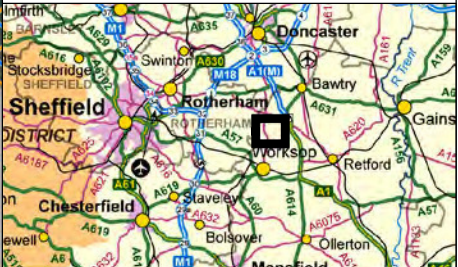
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REV 00



- Legend:**
- Land East of Carlton-in-Lindrick
  - Bassetlaw District Boundary
  - Parish Region Road Contours (2.5km)
  - Parish Region Boundaries
  - Parish Region Centre
  - Parish Contour Start Locations
  - Electricity Transmission Lines
  - Over Head Lines
  - Listed Buildings - I
  - Listed Buildings - II
  - Historic Landfill
  - Parish Region Road Contours (2.5km)
  - Scheduled Monuments
  - Sites of Special Scientific Interest
  - Local Nature Reserve
  - Local Wildlife Sites
  - Potential Contaminated Land
  - Ancient Woodland
  - Green Belt
  - Flood Zone 2
  - Flood Zone 3
  - Zone III - Total Catchment
  - Agricultural Land Classification:
    - Grade 2

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter

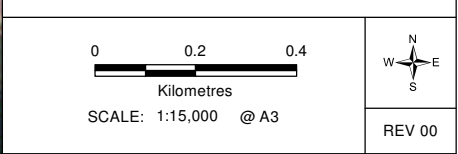


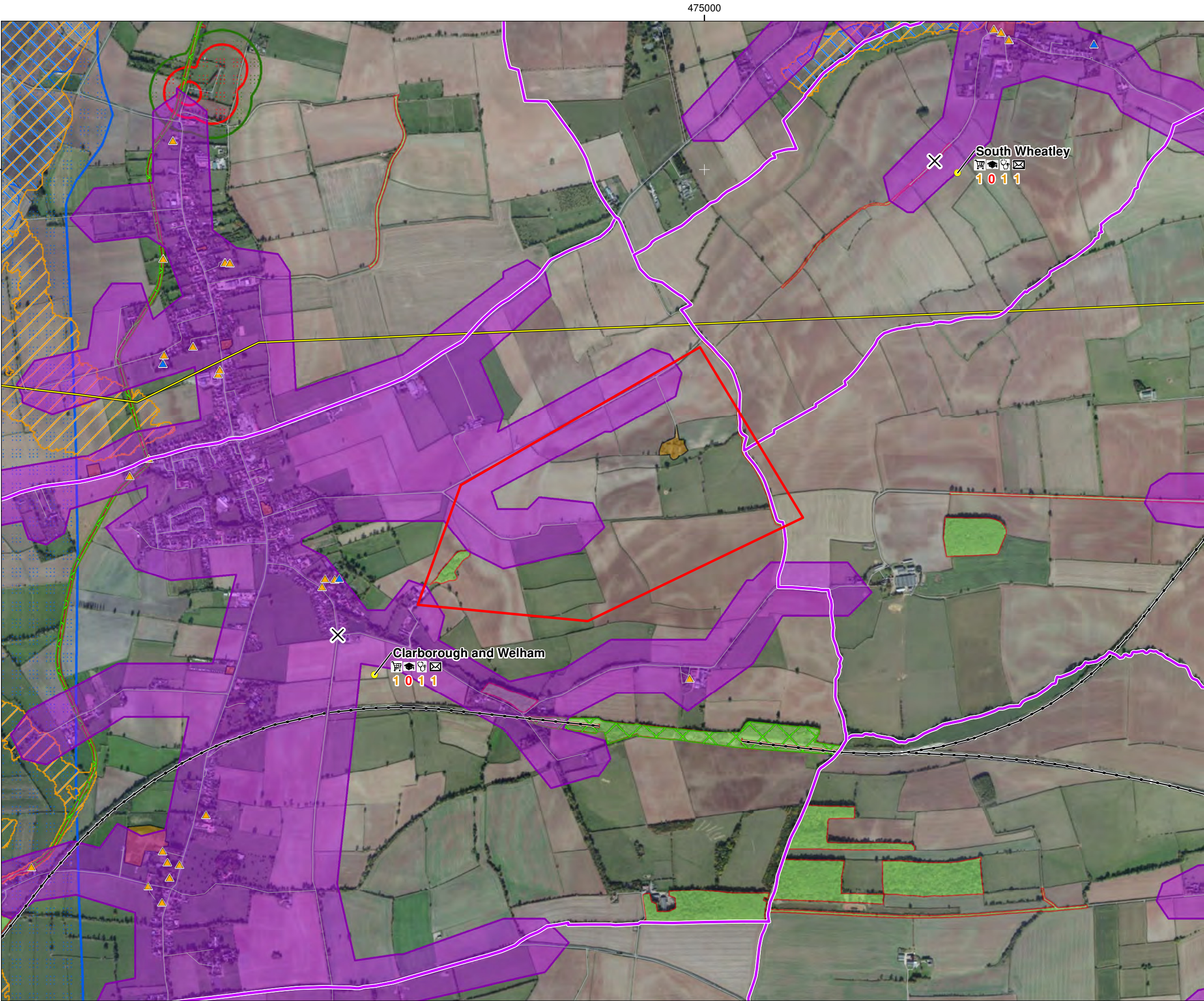
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Rev	Date	Description	Drm	Chk	App

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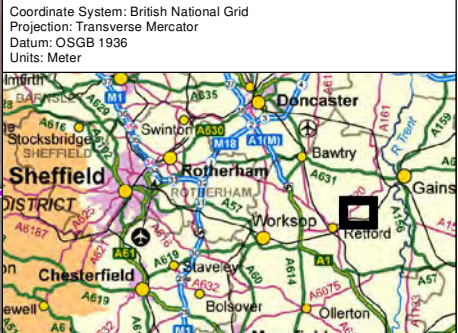


TITLE: Selected Sites  
Land East of Carlton-in-Lindrick  
Appendix 6.3





- Legend:**
- Land East of Clarborough
  - Bassetlaw District Boundary
  - Parish Region Road Contours (2.5km)
  - Parish Region Boundaries
  - Parish Region Centre
  - Parish Contour Start Locations
  - Railway Tracks
  - Electricity Transmission Lines
  - Listed Buildings - I
  - Listed Buildings - II
  - Parish Region Road Contours (2.5km)
  - Scheduled Monuments
  - Sites of Special Scientific Interest
  - Local Wildlife Sites
  - Potential Contaminated Land
  - Flood Zone 2
  - Flood Zone 3
  - Zone I/1C - Inner Protection Zone
  - Zone II/2C - Outer Protection Zone
  - Zone III - Total Catchment



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Rev	Date	Description	Drm	Chk	App

**Bassetlaw**

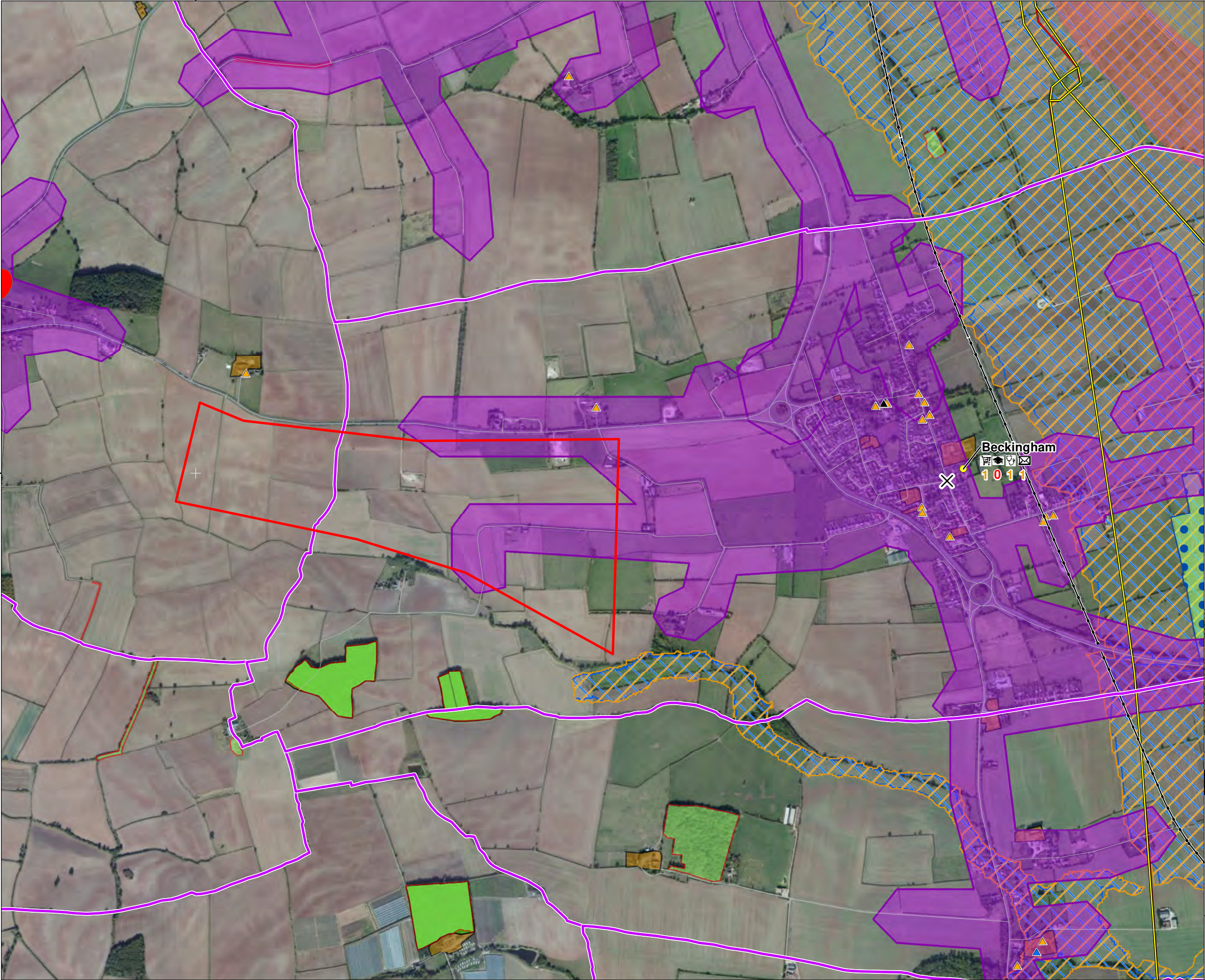
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TITLE:  
Selected Sites  
Land East of Clarborough  
Appendix 6.4

0 0.2 0.4  
Kilometres  
SCALE: 1:15,000 @ A3

N  
W E  
S

REV 00



- Legend:**
- Land West of Beckingham
  - Bassetlaw District Boundary
  - Parish Region Road Contours (2.5km)
  - Parish Region Boundaries
  - Parish Region Centre
  - Parish Contour Start Locations
  - Railway Tracks
  - Electricity Transmission Lines
  - Over Head Lines
  - Listed Buildings - I
  - Listed Buildings - II
  - Listed Buildings - II\*
  - Parish Region Road Contours (2.5km)
  - Scheduled Monuments
  - RSPB Reserves
  - Local Wildlife Sites
  - Potential Contaminated Land
  - Ancient Woodland
  - Flood Zone 2
  - Flood Zone 3
  - Agricultural Land Classification:
    - Grade 1
    - Grade 2

Coordinate System: British National Grid  
Projection: Transverse Mercator  
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Units: Meter

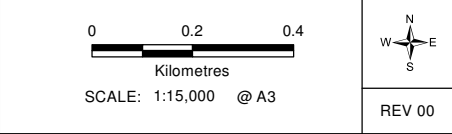


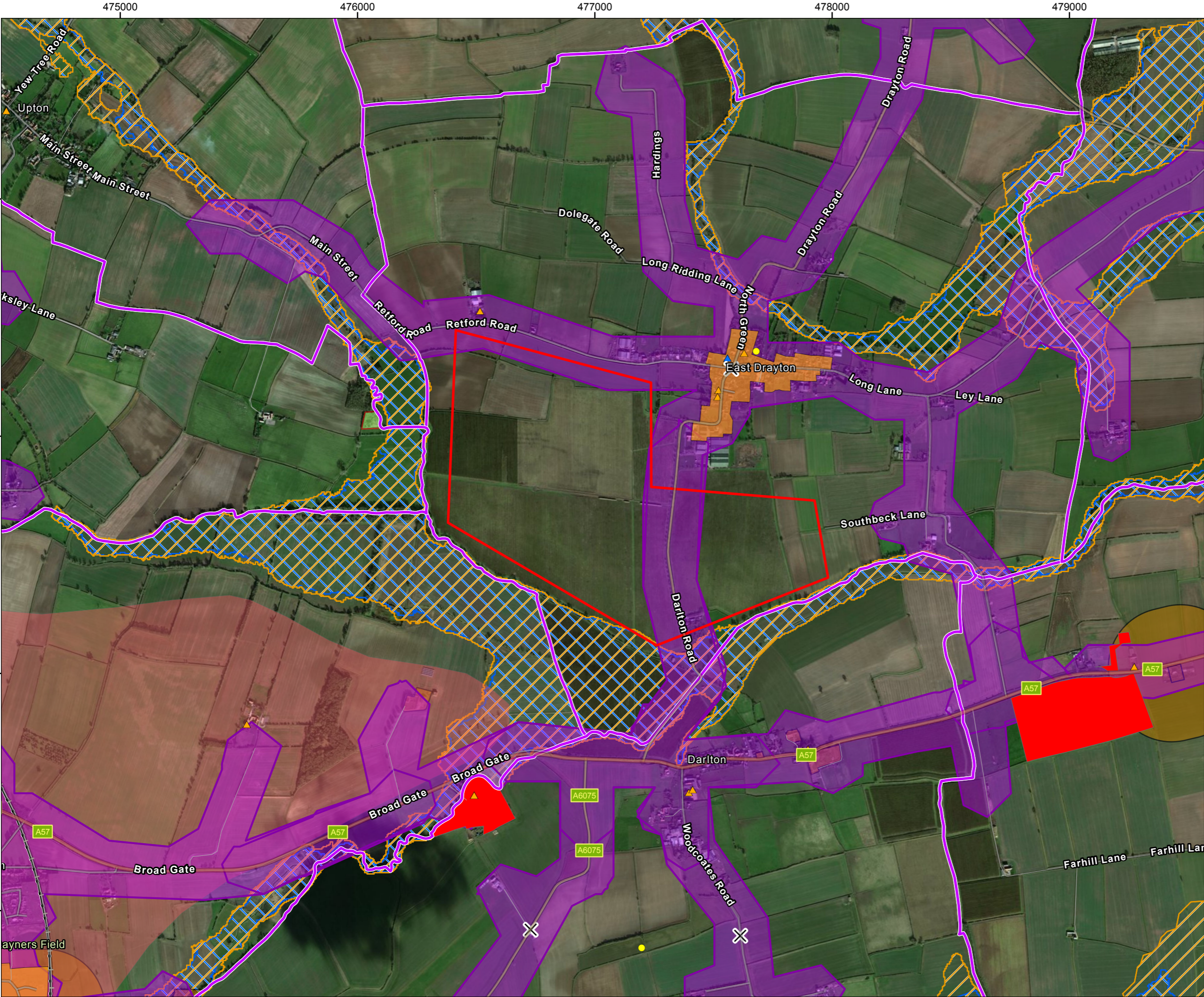
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Rev	Date	Description	Drm	Chk	App

**Bassetlaw**



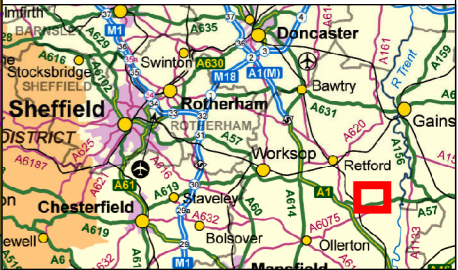
TITLE:  
Selected Sites  
Land West of Beckingham  
Appendix 6.5





- Legend:**
- Land at East Drayton
  - Parish Region Road Contours (2.5km)
  - Parish Region Boundaries
  - Parish Region Centre
  - Parish Contour Start Locations
  - Railway Tracks
  - Listed Buildings - I
  - Listed Buildings - II
  - Listed Buildings - II\*
  - Conservation Areas
  - Parish Region Road Contours (2.5km)
  - Scheduled Monuments
  - Local Wildlife Sites
  - Potential Contaminated Land
  - Flood Zone 2
  - Flood Zone 3
  - Agricultural Land Classification:
    - Grade 2

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter

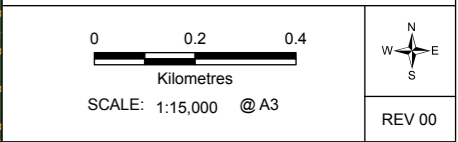


Rev	Date	Description	Drn	Chk	App
00	09/11/2017	First Draft	DR	SS	JB

**Bassetlaw**



TITLE: Site Selection  
Land North of Darlton  
Appendix 6.6



## Appendix 7: Landscape Glossary

### **Landscape Glossary**

*Cumulative effects.* The summation of effects that result from changes caused by a development in conjunction with other past, present or reasonably foreseeable actions.

*Indirect effects.* Effects on the environment, which are not a direct result of the development but are often produced away from it or as a result of a complex pathway. Sometimes referred to as secondary impacts.

*Landscape character type.* A landscape type will have broadly similar patterns of geology, landform, soils, vegetation, land use, settlement and field pattern discernible in maps and field survey records.

*Landscape effects.* Change in the elements, characteristics, character and qualities of the landscape as a result of development. These effects can be negative or positive.

*Landscape character* means the distinct and recognisable pattern of elements that occur consistently in a particular type of landscape, and how these are perceived by people. It reflects particular combinations of geology, landform, soils, vegetation, land use and human settlement. It creates the particular sense of place of different areas of the landscape.

*Landscape quality* (or condition) is based on judgements about the physical state of the landscape, and about its intactness, from visual, functional, and ecological perspectives. It also reflects the state of repair of individual features and elements which make up the character in any one place.

*Landscape value* is concerned with the relative value that is attached to different landscapes. In a policy context the usual basis for recognising certain highly valued landscapes is through the application of a local or national landscape designation. Yet a landscape may be valued by communities for many different reasons without any formal designation.

*Landscape capacity* refers to the degree to which a particular landscape character type or area is able to accommodate change without significant effects on its character. Capacity will vary according to the type and nature of change proposed.

*Landscape sensitivity.* The extent to which a landscape can accept change of a particular type and scale without material effects on its character.

*Magnitude.* A combination of the scale, extent and duration of an effect.

*Mitigation.* Measures, including any process, activity or design to avoid, reduce, remedy or compensate for adverse landscape and visual effects of a development project.

*Receptor.* Physical landscape resource, special interest or viewer group that will experience an effect.

*Visual amenity.* The value of a particular area or view in terms of what is seen.

*Visual effect.* Change in the appearance of the landscape as a result of development. This can be positive (i.e. beneficial or an improvement) or negative (i.e. adverse or a detraction).

*Visual envelope.* Extent of potential visibility to or from a specific area or feature.

*Zone of visual influence.* Area within which a proposed development may have an influence or effect on visual amenity.

## Appendix 8: Landscape Methodology

### **Landscape Methodology**

#### ***Scope of report***

To provide an appropriate context, the report includes a description of the baseline position for landscape and visual amenity, including reference to landscape character assessments from national to local scale and a range of visual receptors.

The report encompasses desk studies, collection of baseline data and site surveys on the context, character and quality of the Study Area, an evaluation of the landscape and an assessment of properties and local views potentially affected by the proposed development. The assessment also recommends mitigation measures to reduce potential adverse changes.

Heritage assets such as Scheduled Monuments, Listed Buildings, Conservation Areas and Registered Parks and Gardens all contribute to the overall landscape character, context and setting of the area. Visual and Landscape changes on the setting of Listed Buildings and Scheduled Monuments are not included in the scope of this report.

This is not a Landscape and Visual Impact Assessment or a Landscape and Visual Appraisal and no assessment of landscape and visual effects have been made as part of this report.

#### ***Relevant Guidance***

The landscape and visual report has been based on principles provided in the following publications:

- *Guidelines for Landscape and Visual Effect Assessment (Landscape Institute and Institute of Environmental Assessment, 3<sup>rd</sup> edition 2013) (Ref 1);*
- *Landscape Character Assessment: Guidance for England and Scotland (The Countryside Agency and SNH, 2002) (Ref 2);*
- *Highways Agency Interim Advice Note 135/10; Landscape and Visual Effects Assessment, (2010) (Ref 3);*
- *LI Advice Note 1/11 Photography and photomontage in landscape and visual impact assessment (2001), Landscape Institute, (Ref 4); and*
- *Techniques and criteria for judging capacity and sensitivity (Topic paper 6) (2002), produced by Natural England (Ref 5).*

#### ***Field Survey and Photography***

A site visit was undertaken to assess the local landscape character and landscape features, carry out an assessment of the representative viewpoints and take GPS referenced photographs. The camera used for the photography was a Canon 6D DSLR which can be used to produce photographs equivalent to those from a standard 35mm SLR camera. All photographs were taken with a fixed 50mm focal length lens (Canon EF 50 mm f/1.4 USM) in accordance with Landscape Institute Advice Note 1/11

(Ref 4). Each photograph, or combinations of photographs, correctly portrays the view which is obtained at each representative viewpoint.

#### Extent of Visibility

The visibility of a proposed development is influenced by landform, vegetation, built development and existing infrastructure. It is important to determine the extent to which the project would influence the existing views and identify the likely receptors. The extent of visibility is defined below:

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- Open view – A clear view of a significant proportion of the site within the wider landscape.
- Partial view – A view of part of the site or a distant view in which the site forms a proportion of the wider view.
- Glimpse view - a very brief, passing view of the site or a distant view in which the site forms a small proportion of the view in the wider view.
- No view – Views towards the site are blocked by visual barriers or a view of the site is difficult discern.

#### ***Sensitivity of Visual Receptors***

Assessing the overall effect on visual amenity is achieved by relating the sensitivity of the visual receptors or features, to the potential magnitude of change to a particular view.

General assumptions have been made in accordance with current guidance in relation to the sensitivity of visual receptors.

Those living within view of the proposed development are usually regarded as the highest sensitivity group as well as those engaged in outdoor pursuits for whom landscape experience is the primary objective. The sensitivity of the potential visual receptors will vary depending on the location and context of the view, the activity of the receptor and importance of the view.

For the purposes of this assessment, close range views are less than 500m from the site. Medium range views are between 500m and 2km from the site. Long range views are more than 2km.

Visual receptor sensitivity is defined as high, medium or low in accordance with the criteria in the table below.

#### Visual Receptor Sensitivity Criteria

##### *High sensitivity*

Residents grounds and curtilages; users of Public Rights of Way or other recreational trails (e.g. National Trails, footpaths, bridleways etc.); Users of recreational facilities where the purpose is enjoyment of the countryside;

	people experiencing views from important features of physical, cultural or historic interest, beauty spots and picnic areas..
<i>Medium sensitivity</i>	Residents upper floors; Users of scenic roads, railways or waterways or users of designated tourist routes; people engaged in outdoor sport or outdoor work; users of schools and other institutional buildings, and their outdoor areas.
<i>Low sensitivity</i>	Users of main roads (e.g. trunk roads) or passengers in public transport on main arterial routes, workers and users of facilities and commercial buildings (indoors) experiencing views from buildings.

- Based on the Highways Agency IAN 135/10