



SOUTHEND-ON-SEA BIODIVERSITY NET GAIN SUMMARY

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ESSEX ECOLOGY Ltd.

Title of Report	Southend-on-Sea Biodiversity Net Gain Summary
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This report has been compiled in accordance with BS 42021:2013 Biodiversity – Code of practice for planning and development, as has the assessment to which it relates.

The information, data, advice and opinions which have been prepared and provided are true and have been prepared and provided in accordance with the Chartered Institute of Ecology and Environmental Management's Code of Professional Conduct. We confirm that the opinions expressed are our true and professional *bona fide* opinions.

SOUTHEND-ON-SEA

BIODIVERSITY NET GAIN SUMMARY

1.1 Introduction

This summary has been prepared by Essex Ecology Ltd., for Southend-on-Sea City Council. It comprises a summary of Biodiversity Net Gain Assessments of eight sites in Southend-on-Sea, Essex.

Southend-on-Sea City Council are currently not in a position at this point to agree habitat management plans for the sites in this baseline study and cannot be confident that any estimates for cost per unit (based on for example London Borough of Sutton data) would be sufficiently robust to include within the study.

As such, an estimated price per unit for each habitat type is not included within the Biodiversity Net Gain Baseline assessment reports and instead this work will be taken forward separately to the baseline study.

Costing will also be varied on a site-by-site basis due to the range in habitats and different management requirements.

1.2 Biodiversity Baseline Results

The following table summarises the results of all Biodiversity Net Gain baseline assessments for the eight sites, including potential biodiversity unit uplift from the enhancements suggested in the reports:

Site name	Site Area (ha)	Baseline (total biodiversity units)	Potential uplift from enhancements* (total biodiversity units)	Habitat types for enhancement	Habitat types for habitat creation
Belton Hills	32.243	202.24	227.71	Neutral grassland Blackthorn scrub Hawthorn scrub Mixed scrub Broadleaved woodland	From arable to: Neutral grassland Mixed scrub Ponds Hedgerows
Edwards Hall Park	11.8	101.82	130.85-131.05	Neutral grassland Blackthorn scrub Broadleaved woodland	
East Beach	11.3	23.1	Max 42.11	Modified grassland Neutral grassland Broadleaved woodland	Neutral grassland Mixed scrub Tree planting

				Line of trees	Hedgerows
Southchurch Park East	7	38.67	Max 26.44	Modified grassland Neutral grassland Blackthorn scrub Hawthorn scrub Mixed scrub Broadleaved woodland Line of trees	Neutral grassland Mixed scrub Tree planting Hedgerows
Eastwood Park	6.23	20.82	Max 23.74	Modified grassland Mixed scrub Broadleaved woodland Line of trees	Neutral grassland Mixed scrub Tree planting Hedgerows
Oakwood Park	6.22	16.48	Max 18.7	Modified grassland Broadleaved woodland	Neutral grassland Mixed scrub Tree planting
Maplin Way	1.57	20	Max 1.35	Modified grassland Broadleaved woodland	Neutral grassland Tree planting Hedgerows
Cheldon Barton	0.365	1.51	Max 7.76	Modified grassland	Neutral grassland Tree planting Hedgerows

* Excludes uplift from habitat creation

The sites Belton Hills and Edwards Hall Park have a total figure for unit uplift while the rest of the site's figures are a maximum figure of unit uplift from enhancements e.g. if all (100%) modified grassland was enhanced on a site to the highest condition that is feasible.

The table excludes uplift from habitat creation due to the theoretical nature of the habitat creation suggestions. All sites except for Edwards Hall Park have habitat creation suggestions that will increase the amounts of units available at the sites, therefore **total unit uplift is potentially higher for each site** than suggested in the table.