

# **DARTFORD'S OPEN SPACES**

## **ADDENDUM TO THE OPEN SPACES TECHNICAL PAPER**



### **PART OF DARTFORD'S LOCAL DEVELOPMENT FRAMEWORK**

**FEBRUARY 2011**

**DARTFORD**  
BOROUGH COUNCIL

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## 1 Purpose

- 1.1 This addendum accompanies the **Open Spaces Technical Paper**<sup>1</sup>. It has been produced as supporting evidence, to clarify the Open Spaces Technical Paper and to demonstrate that the approach towards green space in the Core Strategy is justified. This paper also provides an update to the Open Spaces Technical Paper, as it benefits from the results of the evidence base, which had not been finalised at the time the Open Spaces Technical Paper was prepared. Appendix 1 provides the Updated Open Spaces Audit. The results in this paper therefore differ marginally from (and supercede) the results of the Open Spaces Technical Paper.

## 2 A green Borough

- 2.1 When assessing the existing supply of open space in the Borough, and how much will be needed in the future, the Borough's unique context should be taken into account. It is not a contiguous urbanised area. To the north of the A2 the existing spatial structure is based on a mix of urban and suburban development and a series of discreet settlements; surrounded and interspersed by swathes of open, once Green Belt, land. To the south of the A2 are freestanding villages and open countryside. About half of the Borough's land is designated as Green Belt. The Core Strategy's spatial strategy seeks to restrict its development in order to protect the open character, whilst at the same time directing development to sustainable locations in the northern part of the Borough. Overall, the open land in both the north and the south of the Borough is a valued asset that contributes to the area's character and identity; and it warrants protection. This is demonstrated by one of the strategic objectives underpinning the Core Strategy which seeks *"A green borough with a network of landscaped paths, cycle routes, open spaces and biodiversity habitats and corridors, and with links to the countryside and the Thames"*. Therefore it will be important that a good supply of publicly accessible, varied green space is a central component of the Borough's large scale growth in the future.

## 3 Publicly accessible open spaces

- 3.1 Given the open nature of much of the Borough, it would be reasonable to assume that there is plenty of open space accessible to the public. The Updated Open Space Audit, as detailed in Tables 1a-1e in Appendix 1, demonstrates that this is not the case. Figure 1 summarises the audit results and shows that there is a range of types of publicly accessible open space but that most of the open space is in the form of natural green space. Publicly accessible open space represents only 23% of the overall open space supply.

*Figure 1: Publicly accessible open spaces in 2006*

(a) Type of open space	(b) Number of sites	(c) Hectares
Parks, formal play and equipped play spaces	49	45
Informal play spaces and informal play spaces	101	42
Outdoor sports facilities	10	31
Natural green spaces	23	399
Other open spaces	4	1
<b>Total</b>	<b>187</b>	<b>518</b>

<sup>1</sup> Open Spaces Technical Paper, DBC, 2010.

- 3.2 Figure 2 assesses the adequacy of open space supply by measuring the hectares of publicly accessible open space per 1000 people. Overall, the Borough has 5.8 hectares per 1000 population, which is relatively low given the openness of the Borough. Furthermore, Figure 2 shows a wide fluctuation across the wards, with Dartford Heath, Joydens Wood, the two Country Park (in Bean and Darenth) providing a generous supply in their respective wards. However, the remainder of the Borough (in both the urban area and the countryside) has much lower amounts of publicly accessible open space per 1000 population<sup>2</sup>.

*Figure 2: Hectares of publicly accessible open space per 1000 population in 2006*



- 3.3 The Borough will experience significant growth up to 2026 and beyond, especially in the wards of Greenhithe, Joyce Green, Stone, Swanscombe, Castle and Town. Figure 3 estimates how the supply of publicly accessible open space will change between 2006 and 2026. It shows that only one site will experience a loss of existing publicly accessible open space and that two new publicly accessible open spaces have already been created in new development sites between 2006 and 2010. None of the remaining developable and deliverable sites identified in the Strategic Housing Land Availability Assessment (SHLAA)<sup>3</sup> and in the Strategic Employment Land Availability Assessment (SELAA)<sup>4</sup> will encroach on existing publicly accessible open space.

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<sup>2</sup> Calculations to support Figure 2 are provided in Table 2a of Appendix 2.

<sup>3</sup> Dartford Strategic Housing Land Availability Assessment (SHLAA), DBC, 2010.

<sup>4</sup> Dartford Strategic Employment Land Availability Assessment (SELAA), DBC, 2010

*Figure 3: Change in publicly accessible open space by 2026*

(a) Ward	(b) Site	(c) Change of hectares per site	(d) Total change in hectares per ward
Bean/Darent	Beacon Drive	-0.4	-0.4
Swanscombe	Pheonix Park	+0.6	+0.6
West Hill	West Hill Park	+0.8	+0.8
<b>Total</b>			<b>+1.0</b>

- 3.4 The results of Figure 3 demonstrate that large scale growth will not directly affect the existing supply of publicly accessible open space. However, it is estimated that there will be a 42% increase in the Borough's population by 2026<sup>5</sup>. If all of the developable and deliverable sites were to be developed out without providing publicly accessible open space, by 2026 this extra population would place additional pressure on the existing open space supply. The overall hectares per 1000 population would drop lower than as at 2006 to 4.1 hectares. Figure 4 shows that the wards which already experience a low supply in 2006 would drop further by 2026, with significant declines in Greenhithe and Stone<sup>6</sup>.

*Figure 4: Hectares of publicly accessible open space per 1000 population in 2026*



<sup>5</sup> Population Change in Dartford Borough 2006-2026, DBC, 2010.

<sup>6</sup> Calculations to support Figure 4 are provided in Table 2b of Appendix 2.

## 4 All types of open space

- 4.1 The supply of publicly accessible open space is supplemented by non publicly accessible sites or sites that have informal access via Public Rights of Way (PRoW). Figure 5 summarises the results of the Updated Open Space Audit in Appendix 1<sup>7</sup>. It shows that the Borough's total supply of all types of open space is varied but that the vast majority is in the form of natural green spaces. Equating to 26.0 hectares of open space per 1000 population, this plentiful supply reflects the Borough's unique green character.

*Figure 5: All types of open spaces in 2006*

(a) Type of open space	(b) Number of sites	(c) Hectares <sup>8</sup>
Parks, formal play and equipped play spaces	51	49
Informal play spaces and informal play spaces	106	53
Outdoor sports facilities	49	268
Natural green spaces	103	1866
Other open spaces	48	44
<b>Total</b>	<b>357</b>	<b>2,279</b>

- 4.2 Section 4.2 and Appendix 3 of the Open Spaces Technical Paper assessed the hectares of all types of open space per 1000 population against national standards to determine whether or not the Borough was deficient or had a surplus of open spaces. This paper provides an updated calculation of this assessment, using the results of the Updated Open Space Audit in Appendix 1.
- 4.3 Figure 6 on the next page shows a wide fluctuation of hectares of all types of open space per 1000 population across the Borough<sup>9</sup>. Wards near to Dartford Town Centre have a relatively low supply due to their built up nature. Longfield, New Barn and Southfleet also have a low supply, although residents in this area have informal access to the general countryside which has not been included within the audit. As previously mentioned in paragraph 3.2, the high hectares per 1000 population in the southern part of the Borough reflects the publicly accessible Dartford Heath, Joydens Wood and two Country Parks. Joyce Green, Greenhithe, Swanscombe and Stone are also high. This is due to the presence of large PRoW sites such as Dartford Marshes and Swanscombe Peninsula, where informal recreational activities take place. It is also due to the presence of large tracts of damaged and neglected land, which are a legacy from the extensive quarrying and landfill activities have taken place. Some of these quarry sites have remained undeveloped for a significant period of time and are reverting back to nature and therefore may have significant biodiversity interest. Some quarries such as Eastern Quarry and St James Lane Pit have been identified as developable and deliverable sites in the SHLAA.
- 4.4 The majority (77%) of the open space supply is non publicly and PRoW accessible sites. Nevertheless, they provide a number of other benefits and these are considered in section 6 below.

<sup>7</sup> This differs from the results shown in paragraph 3.1.3 of the Open Spaces Technical Paper due to the inclusion of new sites

<sup>8</sup> Figures may not add due to rounding.

<sup>9</sup> Calculations to support Figure 5 are provided in Table 2c in Appendix 2.

*Figure 6: Hectares of all types of open space per 1000 population in 2006*



- 4.5 Figure 7 estimates how the supply of all types of open space will change between 2006 and 2026. It shows many of the developable and deliverable sites are located on land that contains existing non publicly or PRow accessible open space, that are now included in the Updated Open Space Audit. If all of these sites were to be developed without the provision of on-site open space, this would result in the majority of the wards experiencing a loss of open space by 2026, with a subsequent drop to 12.2 hectares per 1000 population by 2026.

*Figure 7: Loss of all types of open space by 2026*

(a) Ward	(b) Site	(c) Loss of hectares per site	(d) Total loss of hectares per ward
Bean/Darent	Beacon Drive	-0.4	-0.4
Brent	Rear of 51-67 East Hill	-1.1	-11.0
	Greenwood	-0.7	
	Darent Road	-6.4	
	Questor Riverside	-2.8	
Castle	St Clements Valley	-12.6	-12.6
Greenhithe	Eastern Quarry	-270.0	-308.0
	Craylands Lane	-2.0	
	Northfleet West SS	-36.0	
Joyce Green	The Bridge	-43.0	-43.0
Littlebrook	The Bridge	-66.4	-66.4
Longfield, New Barn, Southfleet	Axton Chase	-1.1	-1.1
Newtown	Fantaseas	-4.5	-4.5
Princes	Powdermill Lane	-2.3	-2.3
Stone	Martin Drive	-0.8	-33.5



	Land adj 2 Charles Street	-0.1	
	St James Lane Pit	-20.5	
	Stone Lodge	-9.7	
	Stone House Hospital	-2.4	
Swanscombe	Manor Way Business Park	-0.4	-246.7
	Swanscombe Peninsula	-117.0	
	Ebbsfleet	-124.0	
	The Tank	-5.3	
West Hill	Dartford Technology College	-10.6	-10.6
<b>Total</b>			<b>-740.1</b>

- 4.6 Figure 8 shows the hectares per 1000 population figures for 2026 and demonstrates a dramatic change across the wards, with 10 wards experiencing a decline in hectares per 1000 population<sup>10</sup>. Swanscombe, Greenhithe, Joyce Green, Littlebrook and Castle will drop dramatically, and in some instances the supply per 1000 population will be very low. The Borough's growth will have a direct impact upon the overall supply of non accessible and PRoW sites.

*Figure 8: Hectares of all types of open space per 1000 population in 2026*



- 4.7 Large scale growth will impact negatively on the Borough's existing supply of open space and lead to a situation which is worse in 2026 than as at 2006. To avoid this from happening there will be a need for development sites to provide new publicly accessible open space; to compensate for the loss of existing non publicly accessible and PRoW sites, to help preserve the green character of the Borough and to counteract the large scale urbanisation that the Borough will undergo in the future.

<sup>10</sup> Calculations to support Figure 6 are provided in Table 2d of Appendix 2. The figures differ from Table 7 of the Open Spaces Technical Paper which identified four wards with a declining open space supply.

## 5 The provision of publicly accessible open space in development sites

- 5.1 The Open Spaces Technical Paper estimated the likely amount of open space in 2026. This was based on past planning consents or the likely amount that would be needed to provide open space multi-functionality within development sites. This gave rise to policy CS14's requirement of 20% open space on sites between 2 and 20 hectares and 30% on larger sites. This section goes one step further by determining whether or not the 20% and 30% proportions are a reasonable amount.
- 5.2 To gain an insight into how much open space is needed within development sites to cater for an increased population in 2026, four different scenarios have been considered below. Columns (b) – (e) of Figure 9 assess how much open space would be needed to ensure that the situation in 2026 is no worse than as at 2006 - for both publicly accessible and all types of open space<sup>11</sup>. Columns (f) and (g) assess how much open space would be needed to meet the standard of 4.4 hectares<sup>12</sup>. Lastly, column (i) considers how much open space will be needed based on the estimated dwellings in development sites and the corresponding requirements of policy LRT12<sup>13</sup>, which is currently applied when assessing planning applications.<sup>14</sup>

*Figure 9: Achieving publicly accessible open space in 2026.*

(a) Ward	(b) To achieve this level of hectares per 1000 popul- ation per ward in 2006...	(c) ...this % of the develop- ment sites would be required as open space	(d) To achieve this level of hectares per 1000 popul- ation per ward in 2006...	(e) ...this % of the develop- ment sites would be required as open space	(f) To achieve the standard of 4.4 hectares per 1000 pop- ulation per ward in 2006...	(g) ...this % of the develop- ment sites would be required as open space	(h) To achieve the require- ments of policy LRT12...	(i) ...this % of develop- ment sites would be required as open space
Bean/Darenth	16.5	126.9%	45.2	347.7%	4.4	33.8%	N/A	0.0%
Brent	2.7	10.5%	10.4	40.4%	4.4	17.1%	N/A	25.2%
Castle	1.1	11.3%	10.6	109.4%	4.4	45.4%	N/A	23.8%
Greenhithe	4.3	27.0%	70.6	444.1%	4.4	27.7%	N/A	12.5%
Heath <sup>15</sup>	24.4	0.0%	24.7	0.0%	4.4	0.0%	N/A	0.0%
Joyce Green	1.3	10.0%	87.1	667.2%	4.4	33.7%	N/A	20.5%
Joydens Wood	16.6	0.0%	31.9	0.0%	4.4	0.0%	N/A	0.0%
Littlebrook	1.1	94.3%	17.5	1500.0%	4.4	377.1%	N/A	0.0%
Longfield, New Barn, Southfleet	1.0	5.8%	6.1	35.4%	4.4	25.5%	N/A	11.6%
Newtown <sup>15</sup>	0.0	0.0%	4.5	65.5%	4.4	64.0%	N/A	47.3%
Princes	2.3	72.2%	11.3	354.5%	4.4	138.0%	N/A	35.3%
Stone	9.6	135.1%	30.9	434.9%	4.4	61.9%	N/A	22.3%
Sutton-at-Hone/ Hawley <sup>15</sup>	0.9	0.0%	20.2	0.0%	4.4	0.0%	N/A	0.0%
Swanscombe	1.4	3.9%	39.5	109.2%	4.4	12.2%	N/A	8.9%
Town	0.6	12.8%	6.0	127.9%	4.4	93.8%	N/A	65.4%
West Hill	1.6	416.0%	5.5	1430.0%	4.4	1144.0%	N/A	40.0%
Wilmington	3.0	30.0%	16.7	167.0%	4.4	44.0%	N/A	0.0%

<sup>11</sup> Calculations to support columns (b) – (e) of Figure 9 are provided in Table 3a and 3b of Appendix 3.

<sup>12</sup> Calculations to support columns (f) and (g) of Figure 9 are provided in Table 3c of Appendix 3.

<sup>13</sup> The Borough of Dartford Local Plan Review Second Deposit Draft, DBC, 2004.

<sup>14</sup> Calculations to support column (i) of Figure 9 are provided in Table 3d of Appendix 3 and Table 4a of Appendix 4.

<sup>15</sup> There are no developable and deliverable sites in these wards, so the requirement for new open space is minimal.

5.3 The main findings arising from Figure 9 show that in all scenarios there is a wide fluctuation in the proportion of open space required in development sites across different wards. The main findings for each scenario are listed below:

- columns (b) and (c) - to ensure that the publicly accessible open space supply does not become worse in 2026 than as at 2006, approximately 178 hectares of publicly accessible open space would be needed in development sites by 2026. Bean and Darenth, Littlebrook, Princes, Stone and West Hill will experience a drop of publicly accessible open space per 1000 population regardless of the amount of open space provided within development sites. Eight wards would be able to retain less than 30% of their sites as open space in order to maintain the situation as at 2006;
- columns (d) and (e) - to ensure that all types of open space does not become worse in 2026 than as at 2006, approximately 2413 hectares would be needed in development sites by 2026. 11 wards will experience a drop of publicly accessible open space per 1000 population regardless of the amount of open space provided within development sites. Brent and Longfield, New Barn and Southfleet will require between 35%-40% of their sites to be retained as open space;
- columns (f) and (g) – to meet the 4.4 hectare standard, approximately 214 hectares would be needed in development sites by 2026. Littlebrook, Princes, Town and West Hill will not be able to reach the 4.4 hectare standard. In other wards, between 12% and 61% of their sites would need to be retained as open space;
- column (i) – to meet policy LRT12 approximately 108 hectares would need to be created in development sites by 2026. 11 wards would require between 9% and 65% of their sites to be retained as open space whilst the remaining wards would not expect provision on-site (due to the small scale of the development sites). This provides the lowest requirement for open space out of the four scenarios. However, policy LRT12 only provides a requirement for formal open space and does not include natural green space. Therefore the 108 hectares required in this scenario would need to be supplemented by a significant supply of additional on-site natural green space.

5.4 Overall, the findings show the need for varying but significant amounts of on-site open space in development sites in order to meet the four scenarios. It is worth emphasizing here that some of the wards will not be able to achieve these standards regardless of the quantity of open space provided in development sites.

## **6 Open space provided through policy CS14**

6.1 This section considers the requirements of the proposed Core Strategy policy CS14 and what impact it will have on the open space supply. Figure 10 estimates the change in publicly accessible open space that could be generated on development sites. This is dependant upon commitments to open space in sites that have planning consent and estimates on the remaining sites based on the proportion of open space outlined in policy CS14 (20% open space on sites between 2 and 20 hectares and 30% on larger sites).<sup>16</sup> It shows that significant amounts of new publicly accessible open space could be provided and that Greenhithe and Swanscombe would accommodate the majority of this new open space.

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<sup>16</sup> Calculations to support Figure 10 are provided in Appendix 5.

*Figure 10: Change in hectares of publicly accessible open space by 2026, in line with policy CS14.*

(a) Ward	(b) Site	(c) Change in hectares per site	(d) Total change in hectares per ward
Bean/Darent	Beacon Drive	-0.4	-0.4
Brent	Darent Road	-1.8	-1.2
	Questor Riverside	+0.6	
Castle	St Clements Valley	+2.5	+2.5
Greenhithe	Eastern Quarry	+90.0	+105.6
	Craylands Lane	+0.4	
	Northfleet West SS	+14.8	
Joyce Green	The Bridge	+6.4	+12.2
	Northern Gateway	+5.8	
Littlebrook	The Bridge	+25.6	+25.6
Longfield, New Barn, Southfleet	Axton Chase	+0.5	+0.5
Newtown	Fantaseas	+2.5	+2.5
Princes	Powdermill Lane	+1.6	+1.6
Stone	St James Lane Pit	+4.1	+9.1
	Stone House Hospital	+1.2	
	Thames Europort	+3.8	
Swanscombe	Swanscombe Peninsula	+35.1	+93.0
	Ebbsfleet	+56.2	
	The Tank	+1.1	
	Pheonix Park	+0.6	
Town	Northern Gateway	+2.2	+2.2
West Hill	West Hill Park	+0.1	+0.1
<b>Total</b>			<b>+253.3</b>

- 6.2 Figure 11 on the next page shows that by providing new open space in development sites in line with policy CS14, the supply of publicly accessible open space per hectares will rise to 6.1, which is slightly higher than as at 2006. Greenhithe, Littlebrook and Swanscombe would benefit from the new open space whilst the remaining areas would remain the same or would decline in the case of Stone<sup>17</sup>.
- 6.3 When applying policy CS14 whilst taking into account the existing supply of all types of open space, it is evident from Figure 12 on the next page that there will be an overall loss of open space, mostly at Greenhithe and Swanscombe where large scale development will take place.

<sup>17</sup> Calculations to support Figure 11 are provided in Table 2e of Appendix 2.

*Figure 11: Hectares of publicly accessible open space per 1000 population in 2026, in line with policy CS14*



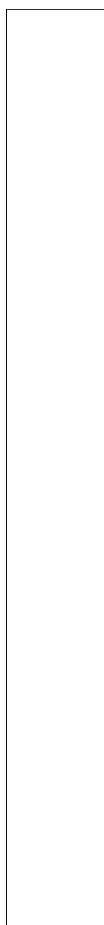
*Figure 12: Change in hectares of all types of open space by 2026, in line with policy CS14.*

(a) Ward	(b) Site	(c) Change in hectares per site	(d) Total change in hectares per ward
Bean/Darenth	Beacon Drive	-0.4	-0.4
Brent	Land rear of 51-67 East Hill	-1.1	-8.6
	Greenwood	-0.7	
	Darenth Road	-4.6	
	Questor Riverside	-2.2	
Castle	St Clements Valley	-10.1	-7.5
	Waterstone Park	+2.6	
Greenhithe	Eastern Quarry	-180.0	-197.8
	Craylands Lane	-1.6	
	Northfleet West SS	-21.2	
	Ingress Park	+4.6	
	Everards	+0.4	
Joyce Green	The Bridge	-36.6	-30.8
	Northern Gateway	+5.8	
Littlebrook	The Bridge	-38.8	-38.8
Longfield, New Barn, Southfleet	Axton Chase	-0.6	-0.6
Newtown	Fantaseas	-1.6	-1.4
	Overy Street	+0.2	
Princes	Powdermill Lane	-0.7	-0.7
Stone	Martin Drive	-0.8	-24.4
	Land adj 2 Charles Street	-0.1	
	St James Lane Pit	-16.4	

	Stone Lodge	-9.7	
	Stone House Hospital	-1.2	
	Thames Europort	+3.8	
Swanscombe	Manor Way Business Park	-0.4	-153.7
	Swanscombe Peninsula	-81.9	
	Ebbsfleet	-67.8	
	The Tank	-4.2	
	Pheonix Park	+0.6	
Town	Northern Gateway	+2.2	+2.2
West Hill	DartfordTechnologyCollege	-10.6	-10.5
	West Hill Park	+0.1	

- 6.4 Figure 13 shows that ten wards will experience a decline per 1000 population as compared to the situation in 2006, with a drop down to 14.4 hectares<sup>18</sup>. This means that by 2026, the situation for all types of open space would not be as good as at 2006, although it is better than not providing open space at all. Furthermore, the 20% or 30% required through policy CS14 results in a loss of all types of open space in favour of a lesser, but reasonable, amount of publicly accessible open space on development sites. This will contribute significantly to a new open space predominantly in the north eastern part of the Borough, in the same place where significant population growth will be increasing demand for open space in the future. This provides some compensation for the loss of non accessible and PRow natural green space sites.

*Figure 13: Hectares of all types of open space per 1000 population in 2026, in line with policy CS14*



<sup>18</sup> Calculations to support Figure 13 are provided in Table 2f of Appendix 2.

## 7 Multi-functional green infrastructure

7.1 One of the primary reasons for policy CS14 requiring the 20% or 30% open space proportions is to ensure that new open space is multi-functional. This section considers whether new open space in line with policy CS14 will contribute to the green infrastructure of the Borough and whether it can provide a mix of the following types of open space functions including:

- a range of formal open spaces that help people to be active and healthy including gardens and parks, equipped children's play spaces, recreation grounds, playing fields and other outdoor sports facilities and allotments;
- a green setting for existing and new settlements, which provides amenity value and contributes to quality of life;
- informal recreational access to natural green space via PRoW;
- natural and semi-natural habitats that sustain a wealth of biodiversity;
- green links or corridors in the form of a "Green Grid" which help species to migrate through the urban area, and allow people to travel sustainably by foot or cycle;
- green spaces that provide flood storage areas and allow water to drain slowly away, thereby reducing the probability of flood risk;
- carbon sinks which help to meet carbon emission reductions and cleanse the air of pollutants.

7.2 There are a number of developable and deliverable sites above 2 hectares that will provide opportunities to introduce multi-functional open space within new development sites, but only if the amount provided is in line with policy CS14.<sup>19</sup> These sites include:

- Eastern Quarry<sup>20</sup>;
- Ebbsfleet<sup>20</sup>;
- Northfleet West Sub Station<sup>20</sup>;
- The Bridge;
- Fantaseas;
- Mill Pond<sup>21</sup>;
- Northern Gateway East<sup>21</sup>;
- Paper Mill North<sup>21</sup>;
- Northern Gateway North<sup>21</sup>;
- Swanscombe Peninsula<sup>22</sup>;
- St Clements Valley<sup>22</sup>;
- St James Lane Pit;
- Thames Europort;
- Darenth Road;
- The Tank;
- Questor Riverside;
- Powdermill Lane.

7.3 Lower open space proportions on these development sites would not be acceptable as it would exacerbate the current low supply of open space in some wards and would be less able to compensate for the existing open space that will be lost.

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<sup>19</sup> Calculations to support Figure 14 are provided in Appendix 5.

<sup>20</sup> All three sites amount to 161 hectares (within the Borough boundary).

<sup>21</sup> The whole of the Northern Gateway sites have been assessed as a whole, taking into account site characteristics and proximity to Dartford Fresh Marshes.

<sup>22</sup> This is the minimum supply acceptable on these two sites and due to the characteristics of these sites it is likely that they would provide more than the minimum provision.

- 7.4 Open space is a central component within the Core Strategy. It provides commitments to improving the Borough's open space as listed below and many of these are a direct result of the provision of new open space in development sites. It is crucial to provide open space in development sites in line with policy CS14 if these commitments are to be achieved:
- Policy CS2 – enhancing the biodiversity of the River Darent and improving Central Park and Acacia Hall;
  - Policy CS3 – creating a linked network of public open spaces alongside the River Darent and across the Northern Gateway sites including a new area of public realm around the Mill Pond, a new park on the Northern Gateway East site, protection for Dartford Fresh Marshes and new footpaths and cycle paths connecting the Northern gateway to the town centre and the wider Green Grid;
  - Policy CS4 – creating a distinctive network of multi-functional green spaces within the Ebbsfleet to Stone Priority Area, which serves recreational and biodiversity functions, providing natural habitat enhancement, providing for sport and recreation at Stone Lodge and enhancing public accessibility to existing open spaces at Craylands Gorge, St Clements Valley, Stone Lodge, Stone Recreation Ground, Stone House Hospital, St James Lane Pit, Ebbsfleet Valley and Bluewater;
  - Policy CS6 – providing sports and leisure facilities at Ebbsfleet Valley, creating a network of multi-functional green space linking in to the Green Grid which will provide recreation, biodiversity corridors, enhancements to natural habitat along the River Ebbsfleet, management of water and a high proportion of trips by sustainable means;
  - Policies CS1 and CS6 – bringing activity and public access to the Thames Waterfront whilst ensuring ecological impacts can be addressed, protecting Dartford Marshes and Black Duck Marshes as areas of biodiversity value, creating public recreational areas for quiet enjoyment, connecting corridors of natural habitat along the river, providing a new riverside foot and cycle path linking with the Thames Estuary Path and creating outdoor leisure uses on Swanscombe Peninsula set within generous green space;
  - Policy CS12 – maintaining and enhancing the parkland setting at Bluewater as a recreational and biodiversity resource and as flood risk mitigation;
  - Policy CS13 – managing the Green Belt as a recreational and ecological resource with a number of enhancements planned to ensure better connectivity through the Green Belt and with the urban area;
  - Policy CS14 – implementing a multi-functional high quality, varied and well-managed Green Grid, with the provision of specific types of green space and water bodies to cater for diverse community needs including older children and teenagers, creating natural habitats and biodiversity corridors, mitigating against flood risk, enhancing paths and sites through the Thames Gateway Parklands project, protecting and enhancing existing open spaces, the diverse landscape character, areas of nature conservation value, SSSI, NNR, local wildlife sites, community and semi-ancient woodlands, priority habitats and creating biodiversity enhancements in Biodiversity Opportunity Areas (BOAs);
  - CS15 – implementing a walking/ cycling network through the Green Grid and PRow;
  - CS17 – ensuring living environments enrich the quality of life through high quality communal open spaces;
  - CS22 – protecting existing sports facilities and extending existing ones, providing new facilities at Eastern Quarry and Ebbsfleet, improving facilities in Dartford Town Centre, creating a centre of excellence at Stone Lodge and developing water sports along the River Thames and in the recreational lakes;
  - Policy CS24 – protecting Dartford Marshes from development to implement flood protection proposals if required, providing compensation for fresh water habitats, implementing a green infrastructure network through the safeguarding of existing areas of open space and water bodies and the generous provision in new development.



- 7.5 A lower proportion will also impact on the multi-functionality of open spaces, which may be lost in favour of the more formal type of open space. For instance, less natural greenspace space would be established in relatively secluded parts of the site in which wildlife could thrive. It could also compromise the creation of new Green Grid links or the ability to attenuate against flood risk effectively.

## **8 Conclusion**

- 8.1 This paper proves that a significant and varying amount of open space is needed across the borough; in order to meet the demand arising from the new population and to compensate for the loss of non publicly accessible and PRow natural green space sites. Without policy CS14 being implemented with it's 20% or 30% open space proportion requirements, there can be no guarantee that the open nature that makes the Borough unique can be maintained in the future.

## Appendix 1: Open Spaces Audit

- A1.1 This appendix shows the results of Groundwork's 2006 audit. **Blue text** shows sites that have been added between 2006 and 2010. **Red text** shows sites that have been added in January 2011, to ensure consistency with other evidence base documents such as the Strategic Housing Land Availability Assessment (SHLAA), Strategic Employment Land Availability Assessment (SELAA) and the Landscape and Biodiversity Technical Paper.
- A1.2 The sites have been subdivided into Tables 1a – 1e to differentiate between different types of open space, and have been grouped by ward. Some sites have multiple functions but in order to reduce double counting, each site has been recorded in only one table.
- A1.3 Sites have been categorised in column (f) depending upon their accessibility including:
- fully publicly accessible - with free access and right to roam across the full site;
  - Public Rights of Way or limited accessible – with informal access to parts of the site through Public Rights of Way, or private sites that are open to the public for limited amounts of time;
  - non publicly accessible – with no public access to private land.
- A1.4 Overall, there are 357 open space sites totalling 2,279 hectares.

*Table 1a: Existing Supply of Parks, Formal Play Spaces and Equipped Play Spaces (51 sites)*

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
<b>Bean and Darent</b>					
28	Hill Rise Play Area	0.36	6 Provision for Children/ Teenagers		Publicly accessible
27	Play area off The Green	0.13	6 Provision for Children/ Teenagers		Publicly accessible
5047	Bean High Street Play Area	0.08	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible
30	Playground at Page Close	0.05	6 Provision for Children/ Teenagers		Publicly accessible
301	Waller Park	3.79	5b Informal Recreation Space	6 Provision for Children/Teenagers	Publicly accessible
Publicly Accessible Formal Play Spaces		4.41			
<b>Total for Bean and Darent</b>		<b>4.41</b>			
<b>Brent</b>					
373	Hesketh Park	4.22	1c Urban Park	6 Provision for Children/ Teenagers	Publicly accessible
5048	Queens Gardens Play Area	0.05	6 Provision for Children/ Teenagers		Publicly accessible
380	Land Rear Of 99 To 107 Queens Gardens	0.25	5b Informal Recreation Space	6 Provision for Children/ Teenagers	Publicly accessible
379	Land adj. to 4-17 Tynedale Close	0.12	5a Housing Green space	1a Formal Garden	Publicly accessible
Publicly Accessible Formal Play Spaces		4.64			
<b>Total for Brent</b>		<b>4.64</b>			
<b>Castle</b>					

## Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
698	Playground at Waterstone Park	0.03	6 Provision for Children/ Teenagers		Publicly accessible
	Publicly Accessible Formal Play Spaces	0.03			
	<b>Total for Castle</b>	<b>0.03</b>			
<b>Greenhithe</b>					
4958	Ingress Abbey Open Space	0.43	1a Formal Garden	5b Informal Recreation Space	Publicly accessible
4959	The Boulevard Open Space	0.65	1c Urban Park	5b Informal Recreation Space	Publicly accessible
5056	Eagles Road Play Area	0.22	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible
907	Valley View Children's Play Area	0.12	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible
5027	Knockhall Rec Play Area	0.06	6 Provision for Children/ Teenagers		Publicly accessible
908	Hasted Close Play Area	0.02	6 Provision for Children/ Teenagers		Publicly accessible
	Publicly Accessible Formal Play Spaces	1.50			
	<b>Total for Greenhithe</b>	<b>1.50</b>			
<b>Joyce Green</b>					
1667	Joyce Green Lane Play Area	0.46	6 Provision for Children/ Teenagers		Publicly accessible
1086	Play area off Joyce Green Lane	0.05	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible
1087	Cornwall Road Play Area	0.03	6 Provision for Children/ Teenagers		Publicly accessible
1088	Barnwell Road Play Area	0.04	6 Provision for Children/ Teenagers		Publicly accessible
	Publicly Accessible Formal Play Spaces	0.58			
	<b>Total for Joyce Green</b>	<b>0.58</b>			
<b>Joydens Wood</b>					
1928	Coopers Drive Play Ground	0.36	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible
5058	Abbey Drive Play Area	0.30	6 Provision for Children/ Teenagers		Publicly accessible
1930	Playground Adjacent 11 The Dell	0.02	6 Provision for Children/ Teenagers	5a Housing Green space	Publicly accessible
	Publicly Accessible Formal Play Spaces	0.68			
	<b>Total for Joydens Wood</b>	<b>0.68</b>			
<b>Littlebrook</b>					
2065	Atlee Drive Play Area	0.35	6 Provision for Children/ Teenagers		Publicly accessible
2067	Cavell Crescent Play Area	0.19	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible
2066	Wodehouse Road Childrens Play Area	0.03	6 Provision for Children/ Teenagers		Publicly accessible
	Publicly Accessible Formal Play Spaces	0.57			
	<b>Total for Littlebrook</b>	<b>0.57</b>			
<b>Longfield, New Barn and Southfleet</b>					
2650	The Oval Playspace	0.51	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible
	Publicly Accessible Formal Play Spaces	0.51			
	<b>Total for Longfield, New Barn and Southfleet</b>	<b>0.51</b>			
<b>Newtown</b>					
2859	Playground at High Trees	0.07	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible

## Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
5016	Rainbow Lodge	0.49	5b Informal Recreation Space	6 Provision for Children/ Teenagers	Non publicly accessible
	Publicly Accessible Formal Play Spaces	0.07			
	Non Publicly Accessible Formal Play Spaces	0.49			
<b>Total for Newtown</b>		<b>0.56</b>			
<b>Princes</b>					
4873	Central Park	11.31	1c Urban Park	6 Provision for Children/ Teenagers	Publicly accessible
2885	Cedar Road Play Area	0.14	6 Provision for Children/ Teenagers	5c Other Incidental Space	Publicly accessible
2884	Playground Rear of 103 & 105 Heath Lane	0.05	6 Provision for Children/ Teenagers		Publicly accessible
2887	Meadowside Quiet Garden	0.02	1a Formal Garden		Publicly accessible
3099	Meadowside Open Space	0.28	5a Housing Green space	1a Formal Garden	Publicly accessible
	Publicly Accessible Formal Play Spaces	11.80			
<b>Total for Princes</b>		<b>11.80</b>			
<b>Stone</b>					
4875	Chalice Way – Worcester Park	9.58	1c Urban Park		Publicly accessible
3157	Bluewater play area	0.46	6 Provision for Children/ Teenagers	2b Other Semi Natural Green space	Publicly accessible
3154	Jessamine Place Playground	0.27	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible
3152	Almond Road playground	0.10	6 Provision for Children/ Teenagers		Publicly accessible
3153	Playground at Cugley Road	0.03	6 Provision for Children/ Teenagers	5a Housing Green space	Publicly accessible
3145	Stone Recreation Ground	5.24	5b Informal Recreation Space	6 Provision for Children/ Teenagers	Publicly accessible
3650	Swallows Close OS	0.11	5a Housing Green space	6 Provision for Children/ Teenagers	Publicly accessible
	Publicly Accessible Formal Play Spaces	15.79			
<b>Total for Stone</b>		<b>15.79</b>			
<b>Sutton-at-Hone and Hawley</b>					
6011	St John's of Jerusalem	3.53	1a Formal Gardens		Limited public accessibility
	Limited Publicly Accessible Formal Play Spaces	3.53			
<b>Total for Sutton-at-Hone and Hawley</b>		<b>3.53</b>			
<b>Swanscombe</b>					
4009	Swanscombe Park	2.34	1c Urban Park	6 Provision for Children/ Teenagers	Publicly accessible
4011	St Peters Close Playground	0.10	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible
	Publicly Accessible Formal Play Spaces	2.44			
<b>Total for Swanscombe</b>		<b>2.44</b>			
<b>Town</b>					
6015	War Memorial	0.07	1a Formal Gardens		Publicly accessible
4582	Willow Walk Play Ground	0.81	6 Provision for Children/ Teenagers	4 Outdoor Sports Facility	Publicly accessible
4583	Lagonda Way Play Area	0.08	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible
	Publicly Accessible Formal Play Spaces	0.96			

**Appendix 1:  
Open Spaces Audit**

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
Total for Town		0.96			
West Hill					
5054	Wilmot Park Play Area	0.45	6 Provision for Children/ Teenagers		Publicly accessible
4599	Penney Close Play Area	0.05	6 Provision for Children/ Teenagers		Publicly accessible
Publicly Accessible Formal Play Spaces		0.50			
Total for West Hill		0.50			
Wilmington					
4684	Albert Road Playground	0.11	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible
5042	Taylor Row Playground	0.06	6 Provision for Children/ Teenagers	5b Informal Recreation Space	Publicly accessible
Publicly Accessible Formal Play Spaces		0.17			
Total for Wilmington		0.17			
All wards					
Total Publicly Accessible Formal Play Spaces		44.65			
Total Non Publicly Accessible Formal Play Spaces		4.02			
Total		48.67			

## Appendix 1: Open Spaces Audit

*Table 1b: Existing Supply of Informal Play Spaces and Informal Recreation Spaces (106 sites)*

Bean and Darent					
5001	Darenth Wood Road Open Space	0.46	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
202	Elizabeth Court Open Space	0.37	5a Housing Green space		Publicly accessible
303	Turner Close Planted Area	0.02	5a Housing Green space		Publicly accessible
5063	Darenth Park Village Green	2.91	5b Informal Recreation Space		Publicly accessible
5046	Hill Rise Green	0.77	5b Informal Recreation Space		Publicly accessible
5064	Darent Valley Hospital Grounds	7.24	5c Other Incidental Space		Non publicly accessible
Publicly Accessible Informal Recreational Spaces		4.53			
Non Publicly Accessible Informal Recreational Spaces		7.24			
Total for Bean and Darent		11.77			
Brent					
618	Lunedale Road Flats Open Space	0.13	5a Housing Green space	2a Nature Conservation Sites	Publicly accessible
623	Dene Road Open Space	0.13	5a Housing Green space		Publicly accessible
593	Bedale Walk Open Space	0.10	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
616	Lunedale Road Open Space	0.10	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
Publicly Accessible Informal Recreational Spaces		0.46			
Total for Brent		0.46			
Castle					
5008	Sandpiper Close, Waterstone Park	1.70	5a Housing Green space		Publicly accessible
Publicly Accessible Informal Recreational Spaces		1.70			
Total for Castle		1.70			
Greenhithe					
4957	Ingress Park Open Space	0.15	5a Housing Green space	2a Nature Conservation Sites	Publicly accessible
905	Station Road Car Park Open Space	0.11	5a Housing Green space	2a Nature Conservation Sites	Publicly accessible
5055	Hasted Close Open Space	0.16	5b Informal Recreation Space		Publicly accessible
Publicly Accessible Informal Recreational Spaces		0.42			
Total for Greenhithe		0.42			
Heath					
4948	Gloucester Road Grass Verge	0.03	5a Housing Green space		Publicly accessible
4949	Somerset Road Grass Verge	0.02	5a Housing Green space		Publicly accessible
Publicly Accessible Informal Recreational Spaces		0.05			
Total for Heath		0.05			
Joyce Green					
1672	Keyes Road Open Space	0.33	5a Housing Green space		Publicly accessible

## Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
1674	Browning Rd Open Space	0.25	5a Housing Green space		Publicly accessible
1676	Crusader Court Open Space	0.23	5a Housing Green space		Publicly accessible
1685	Welcome Avenue Open Space	0.23	5a Housing Green space		Publicly accessible
1675	St Edmunds Rd / Keyes Rd Flats 1	0.22	5a Housing Green space		Publicly accessible
1299	Bronte Grove Open Space	0.22	5a Housing Green space	2a Nature Conservation Sites	Publicly accessible
1682	St Edmunds Rd / Keyes Rd Flats 3	0.15	5a Housing Green space		Publicly accessible
1677	Templars Court Development	0.15	5a Housing Green space		Publicly accessible
1678	MacMillan Gardens Open Space	0.13	5a Housing Green space		Publicly accessible
1679	Nightingale Grove Open Space	0.13	5a Housing Green space		Publicly accessible
1680	Pepys Close Open Space	0.13	5a Housing Green space		Publicly accessible
1669	Joyce Green Walk Open Space	0.13	5a Housing Green space		Publicly accessible
1671	Blake Gardens	0.13	5a Housing Green space		Publicly accessible
5012	Wilkinson Close Open Space 2	0.13	5a Housing Green space		Publicly accessible
1230	Welcome Avenue Open Space	0.12	5a Housing Green space		Publicly accessible
1216	Hilltop Gardens Open Space	0.11	5a Housing Green space		Publicly accessible
1686	Wilkinson Close Open Space	0.11	5a Housing Green space		Publicly accessible
5010	Tyler Grove Open Space 1	0.11	5a Housing Green space		Publicly accessible
5011	Tyler Grove Open Space 2	0.10	5a Housing Green space		Publicly accessible
1209	Austen Gardens Open Space	0.10	5a Housing Green space		Publicly accessible
1438	St Edmunds Rd / Keyes Rd Flats 2	0.10	5a Housing Green space		Publicly accessible
1683	Land behind the Library at Temple Hill	0.38	5b Informal Recreation Space		Publicly accessible
1668	Welcome Ave road verge	0.50	5b Informal Recreation Space		Publicly accessible
Publicly Accessible Informal Recreational Spaces		4.19			
<b>Total for Joyce Green</b>		<b>4.19</b>			
<b>Joydens Wood</b>					
1988	Land adj. 47-53 East of Hanbury Walk	0.75	5a Housing Green space		Publicly accessible
5059	Pinewood Place Open Space	0.20	5a Housing Green space		Publicly accessible
5057	Sandringham Drive Open Space	0.16	5a Housing Green space		Publicly accessible
2000	Land to rear of 2-8 Steadman Close	0.12	5a Housing Green space		Publicly accessible
1926	Land adj to Bexley Sports & Social Club	2.22	5b Informal Recreation Space		Publicly accessible
1927	Land behind Chestnut Grove	0.88	5b Informal Recreation Space		Publicly accessible
Publicly Accessible Informal Recreational Spaces		4.33			
<b>Total for Joydens Wood</b>		<b>4.33</b>			
<b>Littlebrook</b>					
2063	Land fronting 10 - 29 Perry Grove	0.43	5a Housing Green space		Publicly accessible
2429	Cavell Close Open Space 2	0.43	5a Housing Green space		Publicly accessible
2218	Cavell Crescent Open Space 2	0.31	5a Housing Green space	2a Nature Conservation Sites	Publicly accessible

## Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
2430	Tennyson Road Open Space	0.24	5a Housing Green space		Publicly accessible
2428	Patterson Court Open Space	0.18	5a Housing Green space		Publicly accessible
2431	Wordsworth Way Open Space	0.17	5a Housing Green space		Publicly accessible
2158	Morris Gardens Open Space	0.16	5a Housing Green space		Publicly accessible
2424	Cavell Crescent Open Space 3	0.10	5a Housing Green space		Publicly accessible
2425	Cavell Close Open Space 1	0.14	5a Housing Green space		Publicly accessible
2206	Cavell Crescent Open Space 1	0.89	5b Informal Recreation Space		Publicly accessible
5051	Open Space South of Holiday Inn	0.68	5b Informal Recreation Space		Publicly accessible
Publicly Accessible Informal Recreational Spaces		3.73			
<b>Total for Littlebrook</b>		<b>3.73</b>			
<b>Longfield, New Barn and Southfleet</b>					
2790	West Shaw Open Space	0.16	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
2841	Land behind 2-26 Hook Green Road	0.13	5a Housing Green space	2a Nature Conservation Sites	Publicly accessible
2840	Whitehill Road Recreation Ground	2.67	5b Informal Recreation Space		Publicly accessible
Publicly Accessible Informal Recreational Spaces		2.96			
<b>Total for Longfield, New Barn and Southfleet</b>		<b>2.96</b>			
<b>Newtown</b>					
2874	Milestone Road Open Space	0.13	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
5014	Land NW of St Edmunds Pleasance	0.07	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
Publicly Accessible Informal Recreational Spaces		0.20			
<b>Total for Newtown</b>		<b>0.20</b>			
<b>Princes</b>					
3101	Lenderyou Court	0.33	5a Housing Green space	2a Nature Conservation Sites	Publicly accessible
3100	Housing OS 63-99 Meadowside	0.30	5a Housing Green space	2a Nature Conservation Sites	Publicly accessible
2905	Highfield Road Open Space	0.22	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
3098	Warren Court Open Space	0.19	5a Housing Green space	2a Nature Conservation Sites	Publicly accessible
2906	Laburnum Avenue Open Space	0.12	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
2886	Manor Place Co-op Open Space	0.03	5a Housing Green space		Publicly accessible
Publicly Accessible Informal Recreational Spaces		1.19			
<b>Total for Princes</b>		<b>1.19</b>			
<b>Stone</b>					
3281	Bevis Close Housing OS 2	0.40	5a Housing Green space		Publicly accessible
3224	Stour Court Housing OS	0.40	5a Housing Green space		Publicly accessible
3390	Land South-West of Alamein Gardens	0.31	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
3654	Alamein Gardens Open Space 3	0.25	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
3646	Land south of Alamein Gardens	0.24	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
3653	Alamein Gardens Open Space 2	0.18	5a Housing Green space		Publicly accessible



## Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
3659	Land adj. to 107-125 Morgan Drive	0.17	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
3652	Alamein Gardens Open Space 1	0.16	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
3255	Housing OS at Birch Place	0.16	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
3223	Land at Myrtle Place	0.15	5a Housing Green space		Publicly accessible
3647	Jagger Close Open Space	0.13	5a Housing Green space		Publicly accessible
3656	Bevis Close Housing Open Space 1	0.11	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
3649	Land between 13 & 20 St Mary's Road	0.03	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
3155	Griffin Walk play space	0.02	5a Housing Green space		Publicly accessible
3286	Amenity land N side of Alamein Gardens	0.12	5b Informal Recreation Space		Publicly accessible
5068	Stone House Hospital	2.41	5c Other Incidental Space		Non publicly accessible
8007	Martin Drive Site	0.76	5c Other Incidental Space	2b Other Semi Natural Green space	Non publicly accessible
Publicly Accessible Informal Recreational Spaces		2.83			
Non Publicly Accessible informal Recreational Spaces		3.17			
Total for Stone		6.00			
Sutton-at-Hone and Hawley					
4939	Mill House Close Open Space	0.23	5a Housing Green space		Publicly accessible
3973	Church Road Open Space	0.16	5a Housing Green space		Publicly accessible
Publicly Accessible Informal Recreational Spaces		0.39			
Total for Sutton-at-Hone and Hawley		0.39			
Swanscombe					
5071	Pacific Close Open Space	1.09	5a Housing Green space		Publicly accessible
5070	Pentstemon Drive Open Space	0.25	5a Housing Green space		Publicly accessible
4085	Craylands Lane OS	0.24	5a Housing Green space		Publicly accessible
4347	Land adj. Child Crescent	0.16	5a Housing Green space		Publicly accessible
4348	Gilbert Close Open Space	0.16	5a Housing Green space		Publicly accessible
4346	Broomfield Road Open Space	0.15	5a Housing Green space		Publicly accessible
4345	Raeburn Place Open Space	0.12	5a Housing Green space		Publicly accessible
4349	Munford Drive Open Space	0.12	5a Housing Green space		Publicly accessible
4239	Land fronting 15-37 Alamein Road	0.10	5a Housing Green space		Publicly accessible
4012	All Saints Open Space (converted church)	0.09	5a Housing Green space		Non publicly accessible
Publicly Accessible Informal Recreational Spaces		2.39			
Non Publicly Accessible Informal Recreational Spaces		0.09			
Total for Swanscombe		2.48			
Town					

### Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
4584	Heath Street Open Space	0.19	5a Housing Green space		Publicly accessible
4439	Francis Road Play Area	0.07	5b Informal Recreation Space		Publicly accessible
6016	Manor Gatehouse	0.27	5c Other Incidental Space		Non publicly accessible
Publicly Accessible Informal Recreational Spaces		0.26			
Non Publicly Accessible Informal Recreational Spaces		0.27			
Total for Town		0.53			
West Hill					
4621	West Hill Drive Open Space	0.35	5a Housing Green space		Publicly accessible
4598	Wilmot Park	1.10	5b Informal Recreation Space		Publicly accessible
Publicly Accessible Informal Recreational Spaces		1.45			
Total for West Hill		1.45			
Wilmington					
4712	Farrell Court Open Space	0.40	5a Housing Green space		Publicly accessible
4790	Housing OS 129-155 High Road	0.19	5a Housing Green space		Publicly accessible
4682	Land at Church Walk	0.10	5a Housing Green space	5b Informal Recreation Space	Publicly accessible
4858	Oakfield Park	10.22	5b Informal Recreation Space	4 Outdoor Sports Facility	Publicly accessible
5060	Taylor Row Open Space	0.15	5b Informal Recreation Space		Publicly accessible
Publicly Accessible Informal Recreational Spaces		11.06			
Total for Wilmington		11.06			
All wards					
Total Publicly Accessible Informal Recreational Spaces		42.14			
Total Non Publicly Accessible Informal Recreational Spaces		10.77			
Total		52.91			

## Appendix 1: Open Spaces Audit

*Table 1c: Existing Supply of Sports Facilities (48 sites)*

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
Bean and Darent					
5049	Darenth CP School	1.33	4 Outdoor Sports Facility	5b Informal Recreation Space	Non publicly accessible
5045	Land North of The Green	1.21	4 Outdoor Sports Facility	5b Informal Recreation Space	Publicly accessible
5002	Bean Primary School	0.73	4 Outdoor Sports Facility		Non publicly accessible
29	Bean Playing Field	0.43	4 Outdoor Sports Facility		Publicly accessible
Publicly Accessible Outdoor Sports		1.64			
Non Publicly Accessible Outdoor Sports		2.06			
Total for Bean and Darent		3.70			
Brent					
5006	Acacia Hall	11.90	4 Outdoor Sports Facility	1c Urban Park	Publicly accessible
374	Princes Golf and Leisure	12.95	4 Outdoor Sports Facility	2a Nature Conservation Sites	Non publicly accessible
621	Leigh Academy	7.21	4 Outdoor Sports Facility	2a Nature Conservation Sites	Non publicly accessible
381	Fleetdown County Primary School	2.38	4 Outdoor Sports Facility	2a Nature Conservation Sites	Non publicly accessible
5007	York Road Junior School	0.25	4 Outdoor Sports Facility		Non publicly accessible
622	Next Generation Sports Club	0.21	4 Outdoor Sports Facility		Non publicly accessible
Publicly Accessible Outdoor Sports		11.90			
Non Publicly Accessible Outdoor Sports		23.00			
Total for Brent		34.90			
Greenhithe					
999	Former Sports Ground Empire Paper Mills	2.19	4 Outdoor Sports Facility	2a Nature Conservation Sites	Non publicly accessible
5024	Craylands Primary School	2.47	4 Outdoor Sports Facility		Non publicly accessible
5023	Knockhall Recreation Ground	2.05	4 Outdoor Sports Facility	5b Informal Recreation Space	Publicly accessible
5028	Knockhall CP School	1.92	4 Outdoor Sports Facility		Non publicly accessible
5062	Knockhall Road Empire Bowling Green	0.15	4 Outdoor Sports Facility		Non publicly accessible
Publicly Accessible Outdoor Sports		2.05			
Non Publicly Accessible Outdoor Sports		6.73			
Total for Greenhithe		8.78			
Heath					
5009	Wentworth County Primary School	1.23	4 Outdoor Sports Facility		Non publicly accessible
Non Publicly Accessible Outdoor Sports		1.23			
Total for Heath		1.23			
Joyce Green					
4951	St Anselms & Temple Hill Schools Field	2.61	4 Outdoor Sports Facility		Non publicly accessible
1670	Temple Hill Outdoor Court	0.06	4 Outdoor Sports Facility		Publicly accessible
Publicly Accessible Outdoor Sports		0.06			
Non Publicly Accessible Outdoor Sports		2.61			

## Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
Total for Joyce Green		2.67			
Joydens Wood					
4860	Joyden's Wood (Birchwood) Golf Course	87.39	4 Outdoor Sports Facility		PRoW accessible
4878	Bexley Hospital Sports and Social Club	8.10	4 Outdoor Sports Facility		Non publicly accessible
1929	Maypole County Primary School	1.72	4 Outdoor Sports Facility		Non publicly accessible
1931	Hayden Sports Club	1.70	4 Outdoor Sports Facility		Non publicly accessible
5050	Joydens Wood Junior School	0.21	4 Outdoor Sports Facility		Non publicly accessible
PRoW/Limited Accessible Outdoor Sports		87.39			
Non Publicly Accessible Outdoor Sports		11.73			
Total for Joydens Wood		99.12			
Longfield, New Barn and Southfleet					
2651	Axton Chase and Langafel Primary School	12.18	4 Outdoor Sports Facility	2a Nature Conservation Sites	Non publicly accessible
4962	Longfield Community Park	1.76	4 Outdoor Sports Facility	5b Informal Recreation Space	Publicly accessible
2652	Betsham Cricket Club	1.34	4 Outdoor Sports Facility		Non publicly accessible
2838	Coombes Meadows/Southfield Cricket Club	1.03	4 Outdoor Sports Facility	2b Other Semi Natural Green space	Non publicly accessible
Publicly Accessible Outdoor Sports		1.76			
Non Publicly Accessible Outdoor Sports		14.55			
Total for Longfield, New Barn and Southfleet		16.31			
Newtown					
5017	Gateway Community Primary School	1.11	4 Outdoor Sports Facility	5b Informal Recreation Space	Non publicly accessible
Non Publicly Accessible Outdoor Sports		1.11			
Total for Newtown		1.11			
Princes					
2888	North West Kent College (Sports Fields)/Dartford Golf Club	33.64	4 Outdoor Sports Facility	5b Informal Recreation Space	Non publicly accessible
5018	Oakfield Junior and Infant School	2.10	4 Outdoor Sports Facility	2a Nature Conservation Sites	Non publicly accessible
3096	Glentworth Club Sports Ground	2.00	4 Outdoor Sports Facility		Non publicly accessible
Non Publicly Accessible Outdoor Sports		37.74			
Total for Princes		37.74			
Stone					
5030	Brent Primary School	2.12	4 Outdoor Sports Facility	2a Nature Conservation Sites	Non publicly accessible
3156	Stone St Mary's School playing field	1.20	4 Outdoor Sports Facility		Non publicly accessible
Non Publicly Accessible Outdoor Sports		3.32			
Total for Stone		3.32			
Sutton-at-Hone and Hawley					
4864	Canada Heights Motorcross	10.56	4 Outdoor Sports Facility	2a Nature Conservation Sites	Non publicly accessible

## Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
5035	Parsonage Lane Playing Pitches	2.29	4 Outdoor Sports Facility	5b Informal Recreation Space	Publicly accessible
4964	Sutton-at-Hone C of E School	1.15	4 Outdoor Sports Facility		Non publicly accessible
3971	King Georges Playing Field	0.82	4 Outdoor Sports Facility	5b Informal Recreation Space	Publicly accessible
Publicly Accessible Outdoor Sports		3.11			
Non Publicly Accessible Outdoor Sports		11.71			
<b>Total for Sutton-at-Hone and Hawley</b>		<b>14.82</b>			
<b>Swanscombe</b>					
4008	Milton Road Playing Fields	4.35	4 Outdoor Sports Facility	6 Provision for Children/ Teenagers	Publicly accessible
5029	Sweyne School	1.20	4 Outdoor Sports Facility		Non publicly accessible
4960	Sports Pitch Swan Valley School	0.64	4 Outdoor Sports Facility		Non publicly accessible
8008	Essenden Sports Ground	3.78	2c Neglected and Damaged Land		Non publicly accessible
Publicly Accessible Outdoor Sports		4.35			
Non Publicly Accessible Outdoor Sports		5.62			
<b>Total for Swanscombe</b>		<b>9.97</b>			
<b>Town</b>					
4947	Holy Trinity Church School Fields	0.26	4 Outdoor Sports Facility		Non publicly accessible
4581	Invicta Bowls Club	0.14	4 Outdoor Sports Facility		Non publicly accessible
Non Publicly Accessible Outdoor Sports		0.40			
<b>Total for Town</b>		<b>0.40</b>			
<b>West Hill</b>					
4596	Dartford Technology College	10.62	4 Outdoor Sports Facility	5b Informal Recreation Space	Non publicly accessible
4856	Heath Lane Open Space	6.12	4 Outdoor Sports Facility		Publicly accessible
4660	Outdoor court at Highfield Youth Centre	0.16	4 Outdoor Sports Facility		Non publicly accessible
Publicly Accessible Outdoor Sports		6.12			
Non Publicly Accessible Outdoor Sports		10.78			
<b>Total for West Hill</b>		<b>16.90</b>			
<b>Wilmington</b>					
4683	Wilmington Grammar for Boys	14.00	4 Outdoor Sports Facility	2a Nature Conservation Sites	Non publicly accessible
5040	Wilmington County Primary School	1.98	4 Outdoor Sports Facility	2a Nature Conservation Sites	Non publicly accessible
5038	Rowhill School	0.74	4 Outdoor Sports Facility		Non publicly accessible
Non Publicly Accessible Outdoor Sports		16.72			
<b>Total for Wilmington</b>		<b>16.72</b>			
<b>All wards</b>					
Total Publicly Accessible Outdoor Sports		30.99			
Total PRoW Accessible Outdoor Sports		97.95			
Total Non Publicly Accessible Outdoor Sports		138.75			
<b>Total</b>		<b>267.69</b>			

## Appendix 1: Open Spaces Audit

*Table 1d: Existing Supply of Natural Green spaces (103 sites)*

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
Bean and Darent					
18	Darenth County Park	42.59	1b Country Park	2a Nature Conservation Sites	Publicly accessible
2	Beacon Wood Country Park	27.52	1b Country Park	2a Nature Conservation Sites	Publicly accessible
24	Ladies Wood	58.12	2a Nature Conservation Sites		PRoW accessible
23	Lords Wood	32.65	2a Nature Conservation Sites		PRoW accessible
17	Darenth Wood	28.16	2a Nature Conservation Sites		PRoW accessible
1	Disused Hospital Grounds, Mabledon	14.91	2a Nature Conservation Sites	2b Other Semi Natural Green space	Non publicly accessible
5000	Common Land at Green Street Green	12.74	2a Nature Conservation Sites	3 Green Corridor	Publicly accessible
21	The Thrift	9.96	2a Nature Conservation Sites		PRoW accessible
4867	Woodland by Claywood Lane Caravan Site	5.86	2a Nature Conservation Sites		Non publicly accessible. PRoW accessible along edge of site.
4862	Land next to Watling House, Bean Triangle	2.48	2a Nature Conservation Sites		Non publicly accessible
5061	Beacon Drive	0.42	2c Neglected and Damaged Land		Publicly accessible
Publicly Accessible Natural Green spaces		83.27			
PRoW Accessible Natural Green spaces		128.89			
Non Publicly Accessible Natural Green spaces		23.25			
Total for Bean and Darent		235.41			
Brent					
375	Land south of Orbital One – Trolling Down Woods	6.13	2a Nature Conservation Sites		Non publicly accessible. PRoW accessible along edge of site.
378	Land rear of 20-44 Dene Road	0.34	2a Nature Conservation Sites	2b Other Semi Natural Green space	Publicly accessible
377	Roman Burial Ground Adj. 9 Darenth Road	0.74	2a Nature Conservation Sites		Non publicly accessible
376	Land rear of 51-67 East Hill	1.14	2c Neglected and Damaged Land	2a Nature Conservation Sites	Non publicly accessible
8002	Greenwood	0.70	2b Other Semi Natural Green space	2c Neglected and Damaged Land	Non publicly accessible
8003	Darenth Road	6.4	2b Other Semi Natural Green space	2c Neglected and Damaged Land	PRoW accessible
8006	Questor Riverside	2.8	2b Other Semi Natural Green space	2c Neglected and Damaged Land	PRoW accessible
Publicly Accessible Natural Green spaces		0.34			
PRoW / Limited Publicly Accessible Green spaces		9.20			

## Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
Non Publicly Accessible Natural Green spaces		8.71			
Total for Brent		18.25			
Castle					
6002	St Clements Valley	12.60	2b Other Semi Natural Green space		Non publicly accessible
696	Land at Bean Road	2.61	2b Other Semi Natural Green space		Non publicly accessible
4954	Land to rear of Castle Street	0.07	2c Neglected and Damaged Land		Publicly accessible
Publicly Accessible Natural Green spaces		0.07			
Non Publicly Accessible Natural Green spaces		15.21			
Total for Castle		15.28			
Greenhithe					
4876	Swanscombe Heritage Park	15.58	1b Country Park	2a Nature Conservation Sites	Publicly accessible
5025	Craylands Gorge	10.97	2a Nature Conservation Sites		Non publicly accessible
4956	Beaton Close Open Space	1.28	2a Nature Conservation Sites	2b Other Semi Natural Green space	Limited publicly accessible
904	Pumping Station Outside 6173 Southwest (Included in Northfleet West Sub Station site 7005)	0	2a Nature Conservation Sites	2b Other Semi Natural Green space	Non publicly accessible
5069	Knockhall Road Scrub	1.19	2b Other Semi Natural Green space		Non publicly accessible
6001	Knockhall Chase Pit (BIFFA)	9.58	2c Neglected and Damaged Land		Non publicly accessible
7001	Eastern Quarry	270.00	2c Neglected and Damaged Land		Non publicly accessible. PRow accessible along edge of site
7005	Northfleet West Sub Station	36.00	2b Other Semi Natural Green space	2c Neglected and Damaged Land	Non publicly accessible. PRow accessible along edge of site
8014	Mounts Road RNR	0.08	2a Nature Conservation Sites		Publicly accessible
8016	Ingress Park Woodland	2.20	2b Other Semi Natural Green space		Publicly accessible
8001	Craylands Lane	2.00	2c Neglected and Damaged Land		Non publicly accessible
Publicly Accessible Natural Green spaces		17.86			
PRow / Limited Accessible Natural Green space		1.28			
Non Publicly Accessible Natural Green spaces		329.74			
Total for Greenhithe		348.99			
Heath					

## Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
4811	Dartford Heath	148.63	2a Nature Conservation Sites	5b Informal Recreation Space	Publicly accessible
4854	Wansunt Pit	0.50	2a Nature Conservation Sites		Non publicly accessible
1025	Playground adjacent Windermere Close	0.09	2c Neglected and Damaged Land		Publicly accessible
Publicly Accessible Natural Green spaces		148.72			
Non Publicly Accessible Natural Green spaces		0.50			
<b>Total for Heath</b>		<b>149.22</b>			
<b>Joyce Green</b>					
4868	Dartford Marshes	226.32	2a Nature Conservation Sites	2a Nature Conservation Sites	PRoW accessible
5034	Ex Orchard Hospital– Dartford Marshes	36.14	2b Other Semi Natural Green space	2b Other Semi Natural Green space	PRoW accessible
6003	Dartford Fresh Marshes (South)	27.70	2b Other Semi Natural Green space	2a Nature Conservation Sites	PRoW accessible
7002	The Bridge	43.00	2b Other Semi Natural Green space		Non publicly accessible
7006	Dartford Fresh Marshes (North)	4.53	2b Other Semi Natural Green space	2a Nature Conservation Sites	PRoW accessible
PRoW Accessible Natural Green spaces		294.69			
Non Publicly Accessible Natural Green spaces		43.00			
<b>Total for Joyce Green</b>		<b>337.69</b>			
<b>Joydens Wood</b>					
4866	Joydens Wood	99.22	2a Nature Conservation Sites	5b Informal Recreation Space	Publicly accessible
4812	Common Land off Eden Road	5.29	2a Nature Conservation Sites		Publicly accessible
4967	Open Space North of Bexley Sports Club	1.42	2a Nature Conservation Sites	2b Other Semi Natural Green space	Non publicly accessible
1925	Vacant land adj. 63-79 Birchwood Road	0.61	2b Other Semi Natural Green space		Non publicly accessible
Publicly Accessible Natural Green spaces		104.51			
Non Publicly Accessible Natural Green spaces		2.03			
<b>Total for Joydens Wood</b>		<b>106.54</b>			
<b>Littlebrook</b>					
4950	Land South of Bob Dunn Way	1.39	2a Nature Conservation Sites	2b Other Semi Natural Green space	Non publicly accessible
5052	Cavell Close Open Space 3	0.38	2b Other Semi Natural Green space	2a Nature Conservation Sites	Publicly accessible
7003	The Bridge	64.40	2b Other Semi Natural Green space		Non publicly accessible
Publicly Accessible Natural Green spaces		0.38			



## Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
Non Publicly Accessible Natural Green spaces		65.79			
Total for Littlebrook		66.17			
Longfield, New Barn and Southfleet					
2839	Southfleet Village Hall	0.73	5b Informal Recreation Space	3 Green Corridor	Publicly accessible
4961	Rectory Meadows and Hook Green Road	0.11	5b Informal Recreation Space	2a Nature Conservation Sites	Publicly accessible
2639	Court Wood	12.73	2a Nature Conservation Sites		Non publicly accessible
2611	Chalk Bank	1.96	2a Nature Conservation Sites		Non publicly accessible
8010	Railway Cutting LWS at Longfield LWS	1.66	2a Nature Conservation Sites		Non publicly accessible
8011	Longfield Road/New Barn Road RNR	0.08	2a Nature Conservation Sites		Publicly accessible
8012	Main Road RNR	0.08	2a Nature Conservation Sites		Publicly accessible
8015	Hartley Woods LWS	1.11	2a Nature Conservation Sites		PRoW accessible
Publicly Accessible Natural Green spaces		1.00			
PRoW / Limited Publicly Accessible Natural Green spaces		1.11			
Non Publicly Accessible Natural Green spaces		16.35			
Total for Longfield, New Barn and Southfleet		18.46			
Newtown					
5044	Pits 5 and 6	20.94	2c Neglected and Damaged Land	2a Nature Conservation Sites	Non publicly accessible
5013	Fantaseas	4.45	5c Other Incidental Space	2b Other Semi Natural Green space	Non publicly accessible
Non Publicly Accessible Natural Green spaces		25.39			
Total for Newtown		25.39			
Princes					
5020	Corner of Olive Rd and Highfield Road	0.16	2a Nature Conservation Sites	2b Other Semi Natural Green space	Non publicly accessible
2882	Land Rear Of 48 To 56 Oakfield Lane	0.13	2a Nature Conservation Sites		Publicly accessible
4857	Brooklands Lake	13.00	2b Other Semi Natural Green space	2b Other Semi Natural Green space	Limited publicly accessible
5022	Private Car Park behind Cranford Road	0.85	2b Other Semi Natural Green space	2a Nature Conservation Sites	Non publicly accessible
5019	Powdermill Lane	2.25	2c Neglected and Damaged Land		Non publicly accessible
Publicly Accessible Natural Green spaces		0.13			
PRoW / Limited Accessible Natural Green spaces		13.00			
Non Publicly Accessible Natural Green spaces		3.26			
Total for Princes		16.39			
Stone					
3150	Land NW of Lads of Village	0.72	2a Nature Conservation Sites	2c Neglected and Damaged Land	Non publicly accessible

## Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
6004	Pits east of Stone Lodge/ Discovery Park	41.46	2c Neglected and Damaged Land		Non publicly accessible
3148	Pit 8 west of St James Lane	20.45	2c Neglected and Damaged Land		Non publicly accessible
3151	Land adj. allotments St Mary's Road	0.31	2c Neglected and Damaged Land		Non publicly accessible
6005	Stone Pit 4 north west part of Stone Lodge	4.79	2c Neglected and Damaged Land		Non publicly accessible
3149	Land Adjacent West Lodge, Cotton Lane	0.79	2c Neglected and Damaged Land		Non publicly accessible
6006	Stone Pits 9 and 9a	14.00	2c Neglected and Damaged Land		PRoW accessible
6007	Stone Lodge Park 2	15.06	5b Informal Recreation Space	2b Other Semi Natural Green space	PRoW accessible
6008	Stone Lodge Park 1	3.93	5b Informal Recreation Space	2b Other Semi Natural Green space	PRoW accessible
4969	Stone Lodge Recreation Ground	9.65	2c Neglected and Damaged Land	5b Informal Recreation Space	PRoW accessible
3147	Electricity Tower At Cotton Lane	0.31	5c Other Incidental Space	2a Nature Conservation Sites	Non publicly accessible
4861	Bluewater surroundings	39.88	5c Other Incidental Space	2b Other Semi Natural Green space	Publicly accessible
3648	Charles Street Community Park	0.77	5b Informal Recreation Space	2b Other Semi Natural Green space	Publicly accessible
6009	Land West of Charles Park	1.15	5c Other Incidental Space	2b Other Semi Natural Green space	Limited publicly accessible
6010	Lake at Crossways	4.30	5c Other Incidental Space	2b Other Semi Natural Green space	Limited publicly accessible
3146	Land N of St Mary's Road	5.04	5c Other Incidental Space	2b Other Semi Natural Green space	Limited publicly accessible
8004	Land adj 2 Charles Street	0.09	2b Other Semi Natural Green space		Non publicly accessible
Publicly Accessible Natural Green spaces		40.65			
PRoW / Limited Accessible Natural Green spaces		53.13			
Non Publicly Accessible Natural Green spaces		68.92			
Total for Stone		162.70			
Sutton-at-Hone and Hawley					
4859	Sutton at Hone Lakes	54.04	2a Nature Conservation Sites		Limited publicly accessible
4819	Ram's Wood SSSI	6.12	2a Nature Conservation Sites	2b Other Semi Natural Green space	PRoW accessible
5043	Farningham Woods SSSI	1.01	2a Nature Conservation Sites		PRoW accessible
3795	Land Rear Of 119 To 131 Main Road	0.30	2c Neglected and Damaged Land	2a Nature Conservation Sites	Non publicly accessible
8013	Station Road RNR	0.08	2a Nature Conservation Sites		Publicly accessible
Publicly Accessible Natural Green spaces		0.08			
PRoW / Limited Accessible Natural Green spaces		61.17			

### Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
Non Publicly Accessible Natural Green spaces		0.30			
Total for Sutton-at-Hone and Hawley		61.55			
Swanscombe					
4010	Railway embankment Craylands Square	0.63	2c Neglected and Damaged Land	2b Other Semi Natural Green space	Non publicly accessible
6012	Black Duck Marshes	30.50	2a Nature Conservation Sites		Non publicly accessible
6013	Land South of Black Duck Marsh	5.79	2b Other Semi Natural Green space		PRoW Accessible
6014	Swanscombe Peninsula	80.74	2c Neglected and Damaged Land	2b Other Semi Natural Green space	PRoW Accessible
7004	Ebbsfleet	124.00	2b Other Semi Natural Green space	2c Neglected and Damaged Land	Limited PRoW Accessible
8005	The Tank	5.3	2c Neglected and Damaged Land		Non publicly accessible
8009	Manor Way Business Park	0.37	2b Other Semi Natural Green space		Non publicly accessible
PRoW Accessible Natural Green spaces		210.53			
Non Publicly Accessible Natural Green spaces		36.80			
Total for Swanscombe		247.33			
Town					
4444	Rear of Burnham Crescent	0.04	2a Nature Conservation Sites		Non publicly accessible
5033	Dartford Marsh West 2	15.84	2b Other Semi Natural Green space		PRoW accessible
5032	Dartford Marsh West 1	3.90	2b Other Semi Natural Green space		PRoW accessible
5031	Willow Walk Open Space	1.18	5b Informal Recreation Space	2a Nature Conservation Sites	Publicly accessible
Publicly Accessible Natural Green spaces		1.18			
PRoW Accessible Natural Green spaces		19.74			
Non Publicly Accessible Natural Green spaces		0.04			
Total for Town		20.96			
West Hill					
4879	Open space north of Marcet Road	2.38	2a Nature Conservation Sites	2b Other Semi Natural Green space	Non publicly accessible
5039	Heath Lane open space north	0.78	2c Neglected and Damaged Land		Publicly accessible
Publicly Accessible Natural Green spaces		0.78			
Non Publicly Accessible Natural Green spaces		2.38			
Total for West Hill		3.16			
Wilmington					

**Appendix 1:  
Open Spaces Audit**

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
4674	Rowhill Wood	16.88	2a Nature Conservation Sites		PRoW accessible
5041	Triangle west of Wilmington Primary School	0.80	5b Informal Recreation Space	2a Nature Conservation Sites	Non publicly accessible
4678	Land South of Rowhill Grange 2	3.02	2a Nature Conservation Sites		Non publicly accessible
4675	Paxwood Farm	2.03	2a Nature Conservation Sites		PRoW accessible
4673	Land north of Edwin Road	9.00	2b Other Semi Natural Green space		Non publicly accessible
4677	Land south of Rowhill Grange 1	0.84	5c Other Incidental Space	2b Other Semi Natural Green space	Non publicly accessible
PRoW Accessible Natural Green spaces		18.91			
Non Publicly Accessible Natural Green spaces		13.66			
<b>Total for Wilmington</b>		<b>32.57</b>			
<b>All wards</b>					
Publicly Accessible Natural Green spaces		398.97			
PRoW/Limited Accessible Natural Green spaces		811.65			
Non Publicly Accessible Natural Green spaces		655.33			
<b>Total</b>		<b>1866.06</b>			

## Appendix 1: Open Spaces Audit

*Table 1e: Existing Supply of Other Open Spaces (48 sites)*

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
Bean and Darent					
33	Sandbanks Hill Allotments	0.35	7 Allotments		Non publicly accessible
31	St Margarets Church	0.53	8b Churchyard		Non publicly accessible
5003	Land to rear of Bean Playing Field	0.79	7 Allotments	2b Other Semi Natural Green space	Non publicly accessible
34	Darenth Rest Cemetery	0.41	8a Cemetery/Crematorium	2b Other Semi Natural Green space	Non publicly accessible
35	Southern Rest Cemetery	0.33	8a Cemetery/Crematorium	2b Other Semi Natural Green space	Non publicly accessible
Non Publicly Accessible Other Open Spaces		2.41			
Total for Bean and Darent		2.41			
Brent					
383	Gore Road allotments	2.07	7 Allotments	2c Neglected and Damaged Land	Non publicly accessible
384	Watling Street Cemetery	5.27	8a Cemetery/Crematorium	2b Other Semi Natural Green space	Non publicly accessible
Non Publicly Accessible Other Open Spaces		7.34			
Total for Brent		7.34			
Castle					
699	Castlefield Allotments (included in St Clement's Valley site 6002)	0	7 Allotments	2a Nature Conservation Sites	Non publicly accessible
Non Publicly Accessible Other Open Spaces		0.00			
Total for Castle		0.00			
Greenhithe					
909	St Marys Church	0.44	8b Churchyard		Non publicly accessible
5067	Market Square Asda	0.10	9 Public Realm		Publicly accessible
Publicly Accessible Other Open Spaces		0.10			
Non Publicly Accessible Other Open Spaces		0.44			
Total for Greenhithe		0.54			
Joyce Green					
1090	Wellcome Avenue Allotments	1.25	7 Allotments		Non publicly accessible
5065	Temple Hill Square	0.38	9 Public Realm		Publicly accessible
5053	Enchanted Woodland	1.71	8a Cemetery/Crematorium	2a Nature Conservation Sites	Limited accessibility
Publicly Accessible Other Open Spaces		0.38			
PRow/Limited Accessible Other Open Space		1.71			
Non Publicly Accessible Other Open Spaces		1.25			

## Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
Total for Joyce Green		3.34			
Joydens Wood					
1932	St Barnabas Church	0.03	8b Churchyard		Non publicly accessible
Non Publicly Accessible Other Open Spaces		0.03			
Total for Joydens Wood		0.03			
Longfield, New Barn and Southfleet					
2657	Whitehill Road allotments	1.05	7 Allotments	2a Nature Conservation Sites	Non publicly accessible
2656	Allotments off Rectory Meadows	0.72	7 Allotments	2b Other Semi Natural Green space	Non publicly accessible
2653	St Nicholas Church	0.59	8b Churchyard	2a Nature Conservation Sites	Non publicly accessible
2655	St Mary Magdalenes Church	0.51	8b Churchyard	2a Nature Conservation Sites	Non publicly accessible
Non Publicly Accessible Other Open Spaces		2.87			
Total for Longfield, New Barn and Southfleet		2.87			
Newtown					
5015	East Hill Cemetery	2.44	8a Cemetery/Crematorium	2a Nature Conservation Sites	Non publicly accessible
2877	St Edmund's Pleasance	0.89	8b Churchyard	2a Nature Conservation Sites	Non publicly accessible
Non Publicly Accessible Other Open Spaces		3.33			
Total for Newtown		3.33			
Princes					
5021	Fairfield Pool Grounds	0.52	9 Public Realm		Publicly accessible
2889	Cedar Road Allotments	0.12	7 Allotments	2b Other Semi Natural Green space	Non publicly accessible
2890	Ash Road Allotments	0.09	7 Allotments	2b Other Semi Natural Green space	Non publicly accessible
Publicly Accessible Other Open Spaces		0.52			
Non Publicly Accessible Other Open Spaces		0.21			
Total for Princes		0.73			
Stone					
3160	St Marys Church	0.46	8b Churchyard	8a Cemetery/Crematorium	Non publicly accessible
3162	Stone Cemetery	1.90	8a Cemetery/Crematorium		Non publicly accessible
3161	Allotment Gardens east of Kirby Road	1.58	7 Allotments	2a Nature Conservation Sites	Non publicly accessible
Non Publicly Accessible Other Open Spaces		3.94			
Total for Stone		3.94			
Swanscombe					
4013	St Peter and St Paul Church	0.23	8b Churchyard	8a Cemetery/Crematorium	Non publicly accessible
5026	Swanscombe allotments	1.27	7 Allotments	2a Nature Conservation Sites	Non publicly accessible
4015	Allotment Gardens rear of Keary Road	1.35	7 Allotments	2b Other Semi Natural Green	Non publicly accessible

### Appendix 1: Open Spaces Audit

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
				space	
4016	Swanscombe Cemetery	1.81	8a Cemetery/Crematorium	2b Other Semi Natural Green space	Non publicly accessible
Non Publicly Accessible Other Open Spaces		4.66			
Total for Swanscombe		4.66			
Sutton-at-Hone and Hawley					
3802	Allotments N of May Road	1.73	7 Allotments		Non publicly accessible
3972	Parsonage Lane allotments	0.59	7 Allotments		Non publicly accessible
3798	Methodist Church Adjacent 20 Ship Lane	0.02	8b Churchyard		Non publicly accessible
3801	St Georges Catholic Church	0.05	8b Churchyard		Non publicly accessible
3803	Allotments rear of Ship Lane	1.95	7 Allotments	2a Nature Conservation Sites	Non publicly accessible
3785	Sutton at Hone Churchyard	1.59	8b Churchyard	2a Nature Conservation Sites	Non publicly accessible
Non Publicly Accessible Other Open Spaces		5.93			
Total for Sutton-at-Hone and Hawley		5.93			
Town					
4440	Zion Baptist Church	0.01	8b Churchyard		Non publicly accessible
4443	Holy Trinity Church	0.03	8b Churchyard		Non publicly accessible
6017	One Bell Corner	0.02	9 Public Realm		Publicly accessible
Publicly Accessible Other Open Spaces		0.02			
Non Publicly Accessible Other Open Spaces		0.04			
Total for Town		0.06			
West Hill					
4603	Devonshire Avenue Allotments	0.77	7 Allotments		Non publicly accessible
4604	Allotments NE of Marcet Road	0.34	7 Allotments		Non publicly accessible
4605	Allotments N of Marcet Road	3.25	7 Allotments		Non publicly accessible
4880	Gloucester Road Allotments	1.97	7 Allotments		Non publicly accessible
5037	Wilmot Road Allotment	0.93	7 Allotments		Non publicly accessible
4600	St Anselms Church And Presbytery	0.18	8b Churchyard		Non publicly accessible
4601	Church Of England Christ Church	0.18	8b Churchyard		Non publicly accessible
4602	The Light Upon the Hill Spiritual Sanctuary	0.05	8b Churchyard		Non publicly accessible
Non Publicly Accessible Other Open Spaces		7.67			
Total for West Hill		7.67			
Wilmington					
4686	St Michael's Church	1.15	8b Churchyard	2b Other Semi Natural Green space	Non publicly accessible
Non Publicly Accessible Other Open Spaces		1.15			
Total for Wilmington		1.15			

**Appendix 1:  
Open Spaces Audit**

(a) Site ID	(b) Site Name	(c) Hectares	(d) PPG17 Primary Function	(e) PPG17 Secondary Function	(f) Accessibility
<b>All wards</b>					
Total Publicly Accessible Other Open Spaces		1.02			
Total Non Publicly Accessible Other Open Spaces		42.98			
<b>Total</b>		<b>44.00</b>			



## Appendix 2: Hectares Per 1000 Population

*Table 2a: Existing hectares of publicly accessible open space per 1000 population in 2006 (see Figure 2)*

(a) Ward	(b) Population in 2006 <sup>23</sup>	(c) Existing hectares in 2006 <sup>24</sup>	(d) Hectares per 1000 population in 2006 <sup>25</sup>
Bean/Darenth	5,700	93.9	16.5
Brent	6,300	17.3	2.7
Castle	1,600	1.8	1.1
Greenhithe	5,100	21.9	4.3
Heath	6,100	148.8	24.4
Joyce Green	4,000	5.2	1.3
Joydens Wood	6,600	109.5	16.6
Littlebrook	4,200	4.7	1.1
Longfield, New Barn, Southfleet	6,300	6.2	1.0
Newtown	6,800	0.3	0.0
Princes	6,000	13.6	2.3
Stone	6,200	59.3	9.6
Sutton-at-Hone/Hawley	4,200	3.6	0.9
Swanscombe	6,800	9.2	1.4
Town	3,800	2.4	0.6
West Hill	5,400	8.9	1.6
Wilmington	3,700	11.2	3.0
<b>Total</b>	<b>88,800</b>	<b>517.8</b>	<b>5.8</b>

<sup>23</sup> Taken from column (c) of Table 1 in Population Change in Dartford Borough 2006-2026, DBC, 2010. Figures are for private household population and are rounded to nearest 100.

<sup>24</sup> Sourced from Tables 1a-1e above.

<sup>25</sup> Calculated as (c) divided by (b), then multiplied by 1000.

## Appendix 2: Hectares Per 1000 Population

*Table 2b: Hectares of publicly accessible open space per 1000 population in 2026,  
with population growth but no new open space provision in development sites  
(See Figure 4)*

(a) Ward	(b) Estimated population in 2026 <sup>26</sup>	(c) Existing hectares in 2006 <sup>27</sup>	(d) Change in hectares between 2006 and 2026 <sup>28</sup>	(e) Estimated hectares in 2026 <sup>29</sup>	(f) Hectares per 1000 population in 2026 <sup>30</sup>	(g) Change in hectares per 1000 population between 2006 and 2026 <sup>31</sup>
Bean/Darenth	5,700	93.9	-0.4	93.5	16.4	
Brent	6,600	17.3	0.0	17.3	2.6	
Castle	2,800	1.8	0.0	1.8	0.6	
Greenhithe	17,100	21.9	0.0	21.9	1.3	↓
Heath	6,100	148.8	0.0	148.8	24.4	
Joyce Green	9,400	5.2	0.0	5.2	0.6	
Joydens Wood	6,500	109.5	0.0	109.5	16.8	
Littlebrook	4,700	4.7	0.0	4.7	1.0	
Longfield, New Barn, Southfleet	6,500	6.2	0.0	6.2	1.0	
Newtown	7,500	0.3	0.0	0.3	0.0	
Princes	7,400	13.6	0.0	13.6	1.8	
Stone	11,700	59.3	0.0	59.3	5.1	↓
Sutton-at-Hone/Hawley	4,100	3.6	0.0	3.6	0.9	
Swanscombe	12,800	9.2	0.6	9.8	0.8	
Town	6,700	2.4	0.0	2.4	0.4	
West Hill	6,500	8.9	0.8	9.7	1.5	
Wilmington	3,700	11.2	0.0	11.2	3.0	
<b>Total</b>	<b>125,800</b>	<b>517.8</b>	<b>1.0</b>	<b>518.8</b>	<b>4.1</b>	

<sup>26</sup> Taken from column (h) of Table 1 in Population Change in Dartford Borough 2006-2026, DBC, 2010. Figures are rounded to nearest 100.

<sup>27</sup> Taken from column (c) of Table 2a above.

<sup>28</sup> Taken from Figure 3.

<sup>29</sup> Calculated as (c) minus (d).

<sup>30</sup> Calculated as (e) divided by (b), then multiplied by 1000.

<sup>31</sup> Shows only those wards with a change greater than 1.0 hectare per 1000 population.

## Appendix 2: Hectares Per 1000 Population

*Table 2c: Existing hectares of all types of open space per 1000 population in 2006*  
(See Figure 6)

(a) Ward	(b) Population in 2006 <sup>32</sup>	(c) Existing hectares in 2006 <sup>33</sup>	(d) Hectares per 1000 population in 2006 <sup>34</sup>
Bean/Darent	5,700	257.7	45.2
Brent	6,300	65.6	10.4
Castle	1,600	17.0	10.6
Greenhithe	5,100	360.1	70.6
Heath	6,100	150.5	24.7
Joyce Green	4,000	348.5	87.1
Joydens Wood	6,600	210.7	31.9
Littlebrook	4,200	73.3	17.5
Longfield, New Barn, Southfleet	6,300	38.2	6.1
Newtown	6,800	30.6	4.5
Princes	6,000	67.9	11.3
Stone	6,200	191.8	30.9
Sutton-at-Hone/Hawley	4,200	85.0	20.2
Swanscombe	6,800	268.8	39.5
Town	3,800	22.7	6.0
West Hill	5,400	29.7	5.5
Wilmington	3,700	61.7	16.7
<b>Total</b>	<b>88,800</b>	<b>2279.0</b>	<b>25.7</b>

<sup>32</sup> Taken from column (c) of Table 1 in Population Change in Dartford Borough 2006-2026, DBC, 2010. Figures are Rounded to nearest 100.

<sup>33</sup> Sourced from Tables 1a-1e above.

<sup>34</sup> Calculated as (c) divided by (b), then multiplied by 1000.

## Appendix 2: Hectares Per 1000 Population

*Table 2d: Hectares of all types of open space per 1000 population in 2026,  
with population growth but no new open space provision in development sites  
(See Figure 8)*

(a) Ward	(b) Estimated population in 2026 <sup>35</sup>	(c) Existing hectares in 2006 <sup>36</sup>	(d) Loss of hectares between 2006 and 2026 <sup>37</sup>	(e) Estimated hectares in 2026 <sup>38</sup>	(f) Hectares per 1000 population in 2026 <sup>39</sup>	(g) Change in hectares per 1000 population between 2006 and 2026 <sup>40</sup>
Bean/Darent	5,700	257.7	-0.4	257.3	45.1	
Brent	6,600	65.6	-11	54.6	8.3	↓
Castle	2,800	17.0	-12.6	4.4	1.6	↓
Greenhithe	17,100	360.1	-308	52.1	3.0	↓
Heath	6,100	150.5	0	150.5	24.7	
Joyce Green	9,400	348.5	-43	305.5	32.5	↓
Joydens Wood	6,500	210.7	0	210.7	32.4	
Littlebrook	4,700	73.3	-66.4	6.9	1.5	↓
Longfield, New Barn, Southfleet	6,500	38.2	-1.1	37.1	5.7	
Newtown	7,500	30.6	-4.5	26.1	3.5	
Princes	7,400	67.9	-2.3	65.6	8.9	↓
Stone	11,700	191.8	-33.5	158.3	13.5	↓
Sutton-at-Hone/Hawley	4,100	85.0	0	85	20.7	
Swanscombe	12,800	268.8	-246.7	22.1	1.7	↓
Town	6,700	22.7	0	22.7	3.4	↓
West Hill	6,500	29.7	-10.6	19.1	2.9	↓
Wilmington	3,700	61.7	0	61.7	16.7	
<b>Total</b>	<b>125,800</b>	<b>2279.0</b>	<b>-740.1</b>	<b>1538.9</b>	<b>12.2</b>	

<sup>35</sup> Taken from column (h) of Table 1 in Population Change in Dartford Borough 2006-2026, DBC, 2010. Figures are rounded to nearest 100.

<sup>36</sup> Taken from column (c) of Table 2c above.

<sup>37</sup> Taken from Figure 7.

<sup>38</sup> Calculated as (c) minus (d).

<sup>39</sup> Calculated as (e) divided by (b), then multiplied by 1000.

<sup>40</sup> Shows only those wards with a change greater than 1.0 hectare per 1000 population.

## Appendix 2: Hectares Per 1000 Population

*Table 2e: Hectares of publicly accessible open spaces per 1000 population in 2026, with population growth and new open space provision in development sites in line with policy CS14 (See Figure 11)*

(a) Ward	(b) Estimated population in 2026 <sup>41</sup>	(c) Existing hectares in 2006 <sup>42</sup>	(d) Estimated hectares provided between 2006 and 2026 <sup>43</sup>	(e) Estimated hectares in 2026 <sup>44</sup>	(f) Estimated hectares per 1000 population in 2026 <sup>45</sup>	(g) Estimated change in hectares per 1000 population between 2006 and 2026 <sup>46</sup>
Bean/Darenth	5,700	93.9	-0.4	93.5	16.4	
Brent	6,600	17.3	0	17.3	2.6	
Castle	2,800	1.8	2.5	4.3	1.5	
Greenhithe	17,100	21.9	105.6	127.5	7.5	↑
Heath	6,100	148.8	0.0	148.8	24.4	
Joyce Green	9,400	5.2	12.2	17.4	1.9	
Joydens Wood	6,500	109.5	0.0	109.5	16.8	
Littlebrook	4,700	4.7	25.6	30.3	6.4	↑
Longfield, New Barn, Southfleet	6,500	6.2	0.5	6.7	1.0	
Newtown	7,500	0.3	2.5	2.8	0.4	
Princes	7,400	13.6	1.6	15.2	2.1	
Stone	11,700	59.3	9.1	68.4	5.8	↓
Sutton-at-Hone/Hawley	4,100	3.6	0.0	3.6	0.9	
Swanscombe	12,800	9.2	93.0	102.2	8.0	↑
Town	6,700	2.4	2.2	4.6	0.7	
West Hill	6,500	8.9	0.1	9	1.4	
Wilmington	3,700	11.2	0.0	11.2	3.0	
<b>Total</b>	<b>125,800</b>	<b>517.8</b>	<b>253.3</b>	<b>771.1</b>	<b>6.1</b>	

<sup>41</sup> Taken from column (h) of Table 1 in Population Change in Dartford Borough 2006-2026, DBC, 2010. Figures are rounded to nearest 100.

<sup>42</sup> Taken from column (c) of Table 2a above.

<sup>43</sup> Taken from Figure 10.

<sup>44</sup> Calculated as (c) minus (d).

<sup>45</sup> Calculated as (e) divided by (b), then multiplied by 1000.

<sup>46</sup> Shows only those wards with a change greater than 1.0 hectare per 1000 population.

## Appendix 2: Hectares Per 1000 Population

*Table 2f: Hectares of all types of open spaces per 1000 population in 2026, with population growth and new open space provision in development sites in line with policy CS14 (See Figure 13)*

(a) Ward	(b) Estimated population in 2026 <sup>47</sup>	(c) Existing hectares in 2006 <sup>48</sup>	(d) Estimated hectares provided between 2006 and 2026 <sup>49</sup>	(e) Estimated hectares in 2026 <sup>50</sup>	(f) Estimated hectares per 1000 population in 2026 <sup>51</sup>	(g) Estimated change in hectares per 1000 population between 2006 and 2026 <sup>52</sup>
Bean/Darenth	5,700	257.7	-0.4	257.3	45.1	
Brent	6,600	65.6	-8.6	57	8.6	↓
Castle	2,800	17.0	-7.5	9.5	3.4	↓
Greenhithe	17,100	360.1	-197.8	162.3	9.5	↓
Heath	6,100	150.5	0.0	150.5	24.7	
Joyce Green	9,400	348.5	-30.8	317.7	33.8	↓
Joydens Wood	6,500	210.7	0.0	210.7	32.4	
Littlebrook	4,700	73.3	-38.8	34.5	7.3	↓
Longfield, New Barn, Southfleet	6,500	38.2	-0.6	37.6	5.8	
Newtown	7,500	30.6	-1.4	29.2	3.9	
Princes	7,400	67.9	-0.7	67.2	9.1	↓
Stone	11,700	191.8	-24.4	167.4	14.3	↓
Sutton-at-Hone/Hawley	4,100	85.0	0.0	85	20.7	
Swanscombe	12,800	268.8	-153.7	115.1	9.0	↓
Town	6,700	22.7	2.2	24.9	3.7	↓
West Hill	6,500	29.7	-10.5	19.2	3.0	↓
Wilmington	3,700	61.7	0.0	61.7	16.7	
<b>Total</b>	<b>125,800</b>	<b>2279.0</b>	<b>-473.0</b>	<b>1806</b>	<b>14.4</b>	

<sup>47</sup> Taken from column (h) of Table 1 in Population Change in Dartford Borough 2006-2026, DBC, 2010. Figures are rounded to nearest 100.

<sup>48</sup> Taken from column (c) of Table 2c above.

<sup>49</sup> Taken from Figure 12.

<sup>50</sup> Calculated as (c) minus (d).

<sup>51</sup> Calculated as (e) divided by (b), then multiplied by 1000.

<sup>52</sup> Shows only those wards with a change greater than 1.0 hectare per 1000 population.

### Appendix 3: Level of Open Space Provision Needed

*Figure 3a: Achieving the same level of publicly accessible open space in 2026 as in 2006. (See Figure 9)*

(a) Ward	(b) Additional population to 2026 <sup>53</sup>	(c) Hectares per 1000 population per ward in 2006 <sup>54</sup>	(d) Hectares of new open space required per ward <sup>55</sup>	(e) Total site size in hectares per ward <sup>56</sup>	(f) Proportion (%) required as open space <sup>57</sup>
Bean/Darenth	100	16.5	1.7	1.3	126.9%
Brent	400	2.7	1.1	10.3	10.5%
Castle	1,300	1.1	1.4	12.6	11.3%
Greenhithe	19,400 <sup>58</sup>	4.3	83.4	308.4	27.0%
Heath	0	24.4	0	0	0.0%
Joyce Green	5,500	1.3	7.2	71.8	10.0%
Joydens Wood	0	16.6	0	0	0.0%
Littlebrook	600	1.1	0.7	0.7	94.3%
Longfield, New Barn, Southfleet	400	1.0	0.4	6.9	5.8%
Newtown	800	0.0	0	5.5	0.0%
Princes	1,600	2.3	3.7	5.1	72.2%
Stone	6,700 <sup>59</sup>	9.6	64.3	47.6	135.1%
Sutton-at-Hone/Hawley	0	0.9	0	0	0.0%
Swanscombe	7400 <sup>60</sup>	1.4	10.4	267.6	3.9%
Town	2,900	0.6	1.7	13.6	12.8%
West Hill	1,300	1.6	2.1	0.5	416.0%
Wilmington	100	3.0	0.3	1	30.0%
<b>Total</b>			<b>178.3</b>		

<sup>53</sup> Taken from column (g) of Table 1 in Population Change in Dartford Borough 2006-2026, DBC, 2010. Figures relate to the additional population arising from housing growth and are rounded to the nearest 100.

<sup>54</sup> Taken from Table 2a of Appendix 2.

<sup>55</sup> Calculated as (b) divided by 1000, then multiplied by (c)

<sup>56</sup> Taken from Appendix B of the Strategic Housing Land Availability Assessment (SHLAA), DBC, 2010

<sup>57</sup> Calculated as (d) divided by (e), then multiplied by 100

<sup>58</sup> Includes additional population likely to arise from Eastern Quarry beyond 2026

<sup>59</sup> Includes additional population likely to arise from Thames Europort beyond 2026

<sup>60</sup> Includes additional population likely to arise from Ebbsfleet beyond 2026

### Appendix 3: Level of Open Space Provision Needed

*Figure 3b: Achieving the same level of all types of open space in 2026 as in 2006*  
(See Figure 9)

(a) Ward	(b) Additional population to 2026 <sup>61</sup>	(c) Hectares per 1000 population per ward in 2006 <sup>62</sup>	(d) Hectares of new open space required per ward <sup>63</sup>	(e) Total site size in hectares per ward <sup>64</sup>	(f) Proportion (%) required as open space <sup>65</sup>
Bean/Darenth	100	45.2	4.5	1.3	347.7%
Brent	400	10.4	4.2	10.3	40.4%
Castle	1,300	10.6	13.8	12.6	109.4%
Greenhithe	19,400 <sup>66</sup>	70.6	1369.6	308.4	444.1%
Heath	0	24.7	0	0.0	0.0%
Joyce Green	5,500	87.1	479.1	71.8	667.2%
Joydens Wood	0	31.9	0	0.0	0.0%
Littlebrook	600	17.5	10.5	0.7	1500.0%
Longfield, New Barn, Southfleet	400	6.1	2.4	6.9	35.4%
Newtown	800	4.5	3.6	5.5	65.5%
Princes	1,600	11.3	18.1	5.1	354.5%
Stone	6,700 <sup>67</sup>	30.9	207.0	47.6	434.9%
Sutton-at-Hone/Hawley	0	20.2	0	0.0	0.0%
Swanscombe	7400 <sup>68</sup>	39.5	292.3	267.6	109.2%
Town	2,900	6.0	17.4	13.6	127.9%
West Hill	1,300	5.5	7.2	0.5	1430.0%
Wilmington	100	16.7	1.7	1.0	167.0%
<b>Total</b>			<b>2431.4</b>		

<sup>61</sup> Taken from Table 1 in Population Change in Dartford Borough 2006-2026, DBC, 2010

<sup>62</sup> Taken from Table 2c in Appendix 2.

<sup>63</sup> Calculated as (b) divided by 1000, then multiplied by (c)

<sup>64</sup> Taken from Appendix B of the Strategic Housing Land Availability Assessment (SHLAA), DBC, 2010

<sup>65</sup> Calculated as (d) divided by (e), then multiplied by 100

<sup>66</sup> Includes additional population likely to arise from Eastern Quarry beyond 2026

<sup>67</sup> Includes additional population likely to arise from Thames Europort beyond 2026

<sup>68</sup> Includes additional population likely to arise from Ebbsfleet beyond 2026



### Appendix 3: Level of Open Space Provision Needed

*Figure 3c: Achieving the standard of 4.4 hectares in 2026* (See Figure 9)

(a) Ward	(b) Additional population to 2026 <sup>69</sup>	(c) Standard of 4.4 hectares per 1000 population per ward <sup>70</sup>	(d) Hectares of new open space required per ward <sup>71</sup>	(e) Total site size in hectares per ward <sup>72</sup>	(f) Proportion (%) required as open space <sup>73</sup>
Bean/Darenth	100	4.4	0.4	1.3	33.8%
Brent	400	4.4	1.8	10.3	17.1%
Castle	1,300	4.4	5.7	12.6	45.4%
Greenhithe	19,400 <sup>74</sup>	4.4	85.4	308.4	27.7%
Heath	0	4.4	0	0	0.0%
Joyce Green	5,500	4.4	24.2	71.8	33.7%
Joydens Wood	0	4.4	0	0	0.0%
Littlebrook	600	4.4	2.6	0.7	377.1%
Longfield, New Barn, Southfleet	400	4.4	1.8	6.9	25.5%
Newtown	800	4.4	3.5	5.5	64.0%
Princes	1,600	4.4	7.1	5.1	138.0%
Stone	6,700 <sup>75</sup>	4.4	29.5	47.6	61.9%
Sutton-at-Hone/Hawley	0	4.4	0	0	0.0%
Swanscombe	7400 <sup>76</sup>	4.4	32.6	267.6	12.2%
Town	2,900	4.4	12.8	13.6	93.8%
West Hill	1,300	4.4	5.7	0.5	1144.0%
Wilmington	100	4.4	0.4	1	44.0%
<b>Total</b>			<b>213.5</b>		

<sup>69</sup> Taken from Table 1 in Population Change in Dartford Borough 2006-2026, DBC, 2010

<sup>70</sup> 4.4 hectares includes the 2.4 hectare NPFA standard and the 2.0 hectare ANGSt standard.

<sup>71</sup> Calculated as (b) divided by 1000, then multiplied by (c)

<sup>72</sup> Taken from Appendix B of the Strategic Housing Land Availability Assessment (SHLAA), DBC, 2010

<sup>73</sup> Calculated as (d) divided by (e), then multiplied by 100.

<sup>74</sup> Includes additional population likely to arise from Eastern Quarry beyond 2026

<sup>75</sup> Includes additional population likely to arise from Thames Europort beyond 2026

<sup>76</sup> Includes additional population likely to arise from Ebbsfleet beyond 2026

### Appendix 3: Level of Open Space Provision Needed

*Figure 3d: Achieving the open space requirements of policy LRT12 in 2026*  
(See Figure 9)

(a) Ward	(b) Number of dwellings <sup>77</sup>	(c) Hectares of open space required per ward <sup>78</sup>	(d) Total site size in hectares per ward <sup>79 and 80</sup>	(e) Proportion (%) required as open space <sup>81</sup>
Bean and Darenth	33	0.0	1.3	0.0%
Brent	412	2.6	10.3	25.2%
Castle	350	3.0	12.6	23.8%
Greenhithe	7659	38.7	308.4	12.5%
Heath	0	0.0	0.0	0.0%
Joyce Green	2835	14.7	71.8	20.5%
Joydens Wood	0	0.0	0.0	0.0%
Littlebrook	19	0.0	0.7	0.0%
Longfield, New Barn, Southfleet	157	0.8	6.9	11.6%
Newtown	309	2.6	5.5	47.3%
Princes	254	1.8	5.1	35.3%
Stone	1994	10.6	47.6	22.3%
Sutton-at-Hone and Hawley	0	0.0	0.0	0.0%
Swanscombe	3244	23.9	267.6	8.9%
Town	1104	8.9	13.6	65.4%
West Hill	53	0.2	0.5	40.0%
Wilmington	33	0.0	1.0	0.0%
<b>Total</b>		<b>107.8</b>		

<sup>77</sup> Taken from the information supplied in Appendix 4.

<sup>78</sup> In line with policy LPR12 in the Dartford Local Plan Review Amended Second Deposit Draft, DBC, 2004

<sup>79</sup> Taken from Appendix B of the Strategic Housing Land Availability Assessment (SHLAA), DBC, 2010 or the Open Space Audit, Groundwork, 2006.

<sup>80</sup> Many sites will not provide on-site open space if the site: a) is too small, b) is in a central town centre location and/or within the primary shopping frontage, c) will not generate sufficient children to warrant on-site provision due to fully flatted schemes or d) has already been built out and does not provide open space on-site.

<sup>81</sup> Calculated as (c) divided by (d), then multiplied by 100.

# Appendix 4: Open Space Requirements of Policy LRT12 (See Figure 9)

Table 4a: Amount and type of open space needed to meet LRT12

(a) Ward	(b) Developable and deliverable sites <sup>82</sup> and <sup>83</sup>	(c) Site size in hectares <sup>84</sup>	(d) Number of dwellings <sup>85</sup>	(e) Estimated hectares of open space required to meet demand from new population on development sites, in line with policy LRT12 <sup>86</sup>						
				Urban Park	Local Park	Neighbourhood Play	Local Play	Playing Fields	Allotments	Total
Bean/ Darenth	Beacon Drive	0.3	10							0.0
	Darenth Mill	1.3	23							0.0
	<b>Total for Bean and Darenth</b>	<b>1.3</b>	<b>33</b>							<b>0.0</b>
Brent	Greenwood	0.7	35							
	Darenth Road	6.4	240			0.8		1.0		1.8
	Questor Riverside	2.8	110			0.8				0.8
	Milk Depot, WatlingSt	0.4	27							
<b>Total for Brent</b>		<b>10.3</b>	<b>412</b>							<b>2.6</b>
Castle	St Clements Valley	12.6	350		2.0			1.0		3.0
<b>Total for Castle</b>		<b>12.6</b>	<b>350</b>							<b>3.0</b>
Greenhithe	Eastern Quarry	270.0	6250 <sup>82</sup>	15.0				15.0	2.0	32.0
	Craylands Lane	2.0	110			0.8				0.8
	Northfleet West SS	36.0	1250		2.5			3.0	0.4	5.9
	Knockhall Road	0.4	49							
<b>Total for Greenhithe</b>		<b>308.4</b>	<b>7659</b>							<b>38.7</b>
Joyce Green	The Bridge	43.0	1265		2.5			3.0	0.4	5.9
	Northern Gateway East	14.4	735		2.0			2.0	0.3	4.3
	Mill Pond	1.0	280/2 =140		0.4			0.5		0.9
	RBT	2.9	325			0.8		1.0		1.8
	GSK North Site	10.5	370			0.8		1.0		1.8
<b>Total for Joyce Green</b>		<b>71.8</b>	<b>2835</b>							<b>14.7</b>
Littlebrook	St Vincents Station	0.1	6							
	Former Piggery Site	0.6	13							
<b>Total for Littlebrook</b>		<b>0.7</b>	<b>19</b>							<b>0.0</b>
Longfield, New Barn and Southfleet	Axton Chase	6.3	149			0.8				0.8
	Hook Place Farm	0.6	8							
<b>Total for Longfield, New Barn, Southfleet</b>		<b>6.9</b>	<b>157</b>							<b>0.8</b>
Newtown	Fantaseas	4.2	175			0.8		1.0		1.8
	Overy Street	1.2	125			0.8				0.8
	Waldeck Road	0.1	9							

<sup>82</sup> Includes additional population likely to arise from Eastern Quarry beyond 2026

# Appendix 4: Open Space Requirements of Policy LRT12 (See Figure 9)

Table 4a: Amount and type of open space needed to meet LRT12

<b>Total for Newtown</b>		5.5	309							2.6
Princes	Powdermill Lane	2.3	42				0.20			0.2
	Lowfield Street	2.7	400/2=200		1.0			0.5	0.1	1.6
	Rear 103 Hawley Rd	0.1	12							
<b>Total for Princes</b>		5.1	254							1.8
Stone	Martin Drive	1.9	75				0.20			0.2
	Adj 2 Charles Street	0.1	5							0.0
	St James Lane Pit	20.7	795		2.0			2.0	0.3	4.3
	Stone House Hospital	6.0	305					1.0		1.8
	Thames Europort	18.8	805 <sup>83</sup>		2.0	0.8		2.0	0.3	4.3
	225 London Road	0.1	9							
<b>Total for Stone</b>		47.6	1994							10.6
Swanscombe	Swanscombe Peninsula	138.0	800		2.0			2.0	0.3	4.3
	Ebbsfleet	124.0	2230 <sup>84</sup>	12.0				5.0	0.8	17.8
	The Tank	5.3	200			0.8		1.0		1.8
	Blue Anchor Pub	0.2	9							
	Orchard House	0.1	5							
<b>Total for Swanscombe</b>		267.6	3244							23.9
Town	Mill Pond	2.1	140			0.4		0.5		0.9
	Paper Mill (south)	1.6	100			0.8				0.8
	Paper Mill (north)	4.5	230			0.8		1.0		1.8
	Lowfield Street	2.7	200		1.0			0.5	0.1	1.6
	Police Stn. InstoneRd	0.5	57				0.2			0.2
	28 Spital Street	0.0	9							
	52 Spital Street	0.1	12							
	Station Approach	1.3	155			0.8		1.0		1.8
	Co-op	0.6	176			0.8		1.0		1.8
	Rear of Two Brewers	0.0	12							
	Enterprise House	0.1	8							
	Adj. 116 Priory Road	0.1	5							
<b>Total for Town</b>		13.6	1104							8.9
West Hill	Colebart Centre	0.5	53				0.2			0.2
<b>Total for West Hill</b>		0.5	53							0.2
Wilmington	Wilmington House	1.0	33							0.0
<b>Total for Wilmington</b>		1.0	33							0.0
<b>Total for all wards</b>		<b>752.9</b>	<b>18466</b>							<b>107.8</b>

<sup>83</sup> Includes additional population likely to arise from Thames Europort beyond 2026

<sup>84</sup> Includes additional population likely to arise from Ebbsfleet beyond 2026

#### **Appendix 4: Open Space Requirements of Policy LRT12** (See Figure 9)

*Table 4a: Amount and type of open space needed to meet LRT12*

<sup>82</sup> Excludes sites already completed or substantially built out

<sup>83</sup> Excludes sites where new open space will not be required – employment sites, where sufficient open space within the site, such as The Bridge or Stone Lodge

<sup>84</sup> and <sup>85</sup> Site size and dwelling information taken from Appendix B of the Strategic Housing Land Availability Assessment (SHLAA), DBC, 2010

<sup>86</sup> Policy LRT12 is from the Dartford Local Plan Review Amended Second Deposit Draft, DBC, 2004

## Appendix 5: Open Space Requirements of Policy CS14

(See Figure 15)

*Figure 5a: Amount and type of open space to be created in development sites*

(a) Site	(b) Size of site in hectares <sup>87</sup>	(c) % of site as open space <sup>88</sup>	(d) Likely hectares of open space in 2026 <sup>89</sup>	(e) Multi-functional benefits						
				Amenity/ Landscape/Buffer	Recreation/ Sport/Health/Play	Community/ Social inclusion	Biodiversity	Green Links/Corridors	Flood Management	Carbon Sink
Open Space Commitments (Sites have planning consent)										
Eastern Quarry <sup>90</sup>	270.0	33%	90.0	✓	✓	✓	✓	✓	✓	✓
Ebbsfleet <sup>90</sup>	128.0	44%	56.2	✓	✓	✓	✓	✓	✓	✓
Northfleet West SS <sup>90</sup>	36.0	39%	14.8	✓	✓	✓	✓	✓		
The Bridge	107	30%	32.1	✓	✓	✓	✓	✓	✓	✓
Fantaseas	4.2	59%	2.5	✓	✓	✓	✓			
Axton Chase	6.3	21%	1.3		✓	✓				
Craylands Lane	2.0	22%	0.4		✓		✓			
Estimated Open Space Provision in line with policy CS14 (Sites do not have planning consent)										
Mill Pond <sup>91</sup>	3.1	40%	1.2	✓	✓	✓	✓	✓	✓	
Northern Gateway East <sup>91</sup>	14.4	32%	4.6	✓	✓	✓	✓	✓		
Paper Mill North <sup>91</sup>	4.5	22%	1.0		✓	✓		✓		
Northern Gateway RBT <sup>91</sup>	2.9	9%	0.3					✓		
Northern Gateway North <sup>91</sup>	10.5	8%	0.8			✓	✓	✓		
Paper Mill South <sup>91</sup>	1.6	4%	0.1					✓		
Swanscombe Peninsula <sup>92</sup>	134.0	30%	40.2	✓	✓	✓	✓	✓	✓	✓
St James Lane Pit	20.7	20%	4.1	✓	✓	✓	✓	✓		
Thames Europort	18.8	20%	3.8	✓	✓	✓		✓	✓	
St Clements Valley <sup>92</sup>	12.6	20%	2.5	✓	✓	✓	✓	✓		✓
Darenth Road	6.4	20%	1.3	✓	✓		✓	✓		
Stone House Hospital	6.0	20%	1.2		✓	✓				
The Tank	5.3	20%	1.1	✓	✓		✓			
Questor Riverside	2.8	20%	0.6	✓	✓		✓	✓	✓	
Powdermill Lane	2.3	20%	0.5	✓	✓		✓	✓	✓	

<sup>87</sup> Site size and dwelling information taken from Appendix B of the Strategic Housing Land Availability Assessment (SHLAA), DBC, 2010

<sup>88</sup> Actual figures have been used where there is a planning consent. For other sites, an estimated amount of either 20% or 30% has been applied depending upon the size of the site. Where still relevant, the data has been taken from Appendix 7 of the Open Spaces Technical Paper, although rounding of figures and ensuring consistency in site size with the SHLAA has resulted in minor changes between columns (c) and (d) above and Appendix 7 of the Open Spaces Technical Paper.

<sup>89</sup> Calculated as (c) divided by (b).

<sup>90</sup> All three sites amount to 161 hectares plus approximately 14.8 hectares outside of the Borough boundary.

<sup>91</sup> The whole of the Northern Gateway sites have been assessed as a whole, taking into account site characteristics and proximity to Dartford Fresh Marshes.

<sup>92</sup> This is the minimum supply acceptable on these two sites and due to the characteristics of these sites it is likely that they would provide more than the minimum provision.