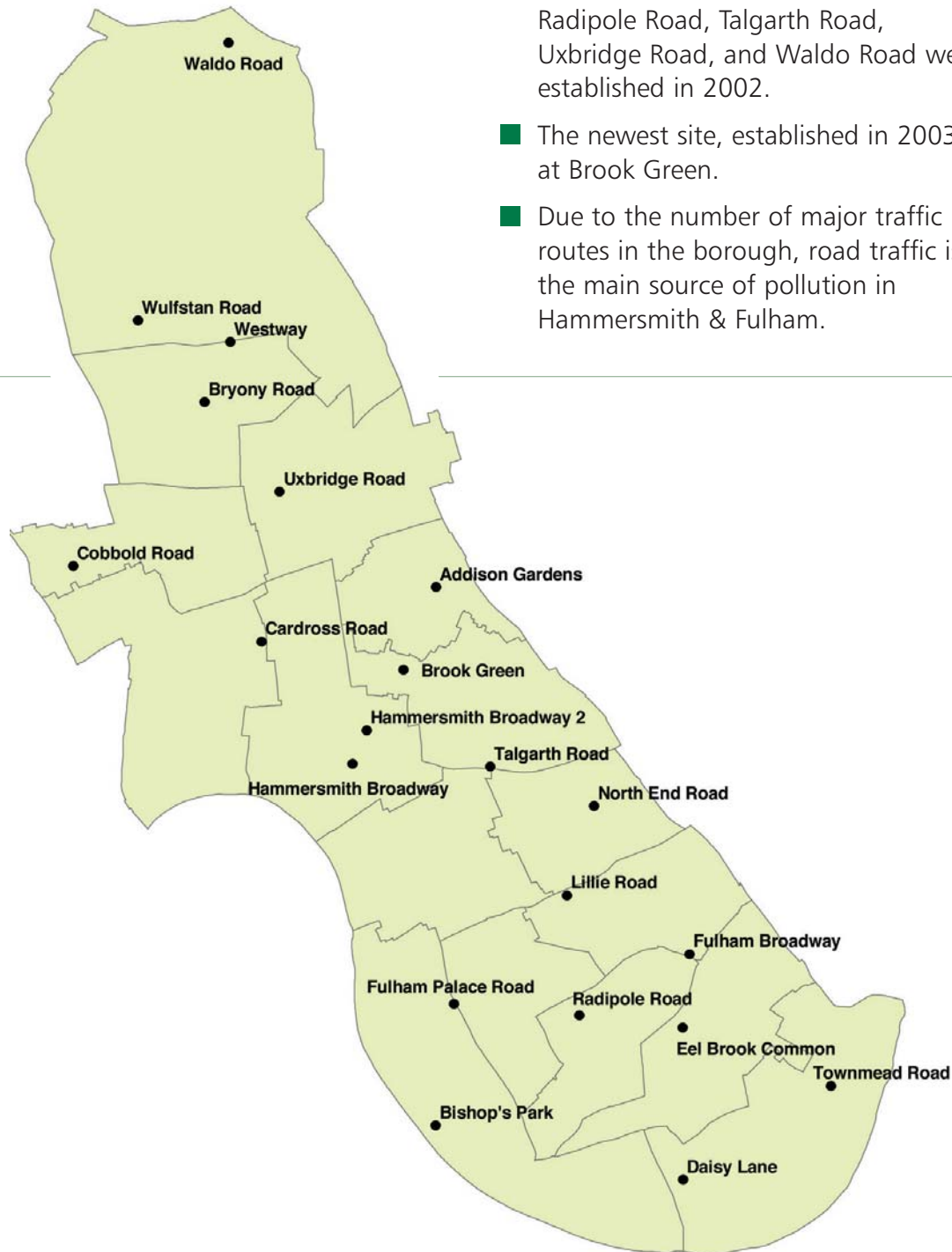


ENVIRONMENT
& LEISURE



Air quality - monitoring locations

- There are 21 air quality monitoring locations in Hammersmith & Fulham (see map).
- These are spread evenly around the borough.
- Two sites have automatic monitoring stations – Hammersmith Broadway and Brook Green. The other sites use more basic diffusion tubes.
- The sites at Cardross Road, Daisy Lane, Fulham Palace Road, North End Road, Radipole Road, Talgarth Road, Uxbridge Road, and Waldo Road were established in 2002.
- The newest site, established in 2003, is at Brook Green.
- Due to the number of major traffic routes in the borough, road traffic is the main source of pollution in Hammersmith & Fulham.



Air quality - nitrogen dioxide

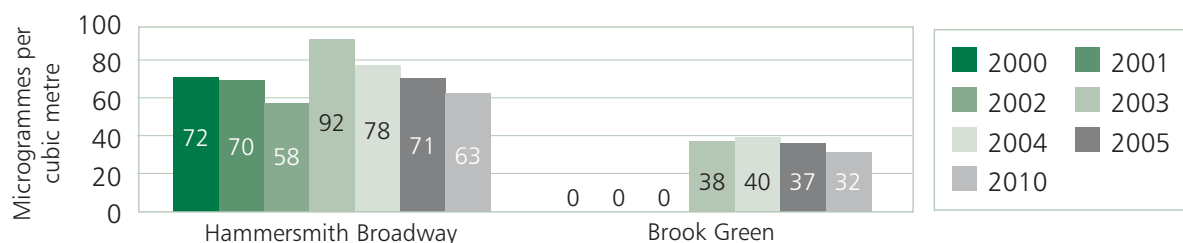
- There are two targets relating to Nitrogen Dioxide data. The first relates to an annual mean target of no more than $40\mu\text{g}/\text{m}^3$ (to be met by 31 Dec. 2010). The second relates to an hourly mean target of no more than 18 hours exceeding $200\mu\text{g}/\text{m}^3$ (by 31 Dec. 2010).
- Both of the Nitrogen Dioxide air quality targets were exceeded (not met) at Hammersmith Broadway in 2004. The apparent downward trend in nitrogen dioxide levels from 2000 to 2002 was interrupted in 2003 with a large number of exceedences. The 2004 data is therefore a big improvement on 2003 and early indications suggest that the 2005 results represent a further improvement.
- Brook Green met both air quality targets in 2004, although it was on the limit for the annual mean. Early analysis of 2005 data also indicates a slight improvement. Lower pollution levels are expected at this site as it is in a much less congested and polluted area than Hammersmith Broadway.
- It is not possible to predict the 2010 hourly exceedences as no method currently exists to accurately calculate such a detailed forecast. However, the annual mean forecasts suggest Hammersmith Broadway will not meet the nitrogen dioxide targets, whereas Brook Green should achieve them by a wider margin than in 2004-05.

Nitrogen dioxide data, 2000 - 2010 – Hammersmith Broadway and Brook Green Microgrammes per cubic metre

NO2 Annual Mean	Hammersmith Broadway	Brook Green	NO2 Hourly exceedences	Hammersmith Broadway	Brook Green
2000	72	0	2000	20	0
2001	70	0	2001	5	0
2002	58	0	2002	0	0
2003	92	38	2003	110	0
2004	<u>78</u>	40	2004	<u>28</u>	1
2005	71	37	2005	15	0
2010	63	32	2010	0	0

Data Source: London Borough of Hammersmith & Fulham, 2005

Nitrogen dioxide annual mean data, 2000-2010 – Hammersmith Broadway and Brook Green



Data Source: London Borough of Hammersmith & Fulham, 2005

Note: 'Exceedences' occur when the set targets for air quality are not achieved, ie, when the level of nitrogen dioxide measured exceeds the set target level. Brook Green station was not installed until 2003. Underlined text in table shows less than 75% data capture. bold text in table represents an exceedence of the air quality objective. 2005 data is provisional.

Air quality - small particles (PM10) data

- Both of the PM10 Particles air quality targets (annual mean and daily targets) were met at Hammersmith Broadway and Brook Green in 2004.
- Provisional results for 2005 suggest only the daily target was not met at Hammersmith Broadway. However, it is difficult to identify any clear trends in either direction, particularly at Hammersmith Broadway where the daily average levels of PM10 Particles have been alternating between meeting and not meeting the target.
- The forecast for 2010 suggests that Hammersmith Broadway will continue to exceed (not meet) the more stringent 2010 targets. However, Brook Green is expected to comply.

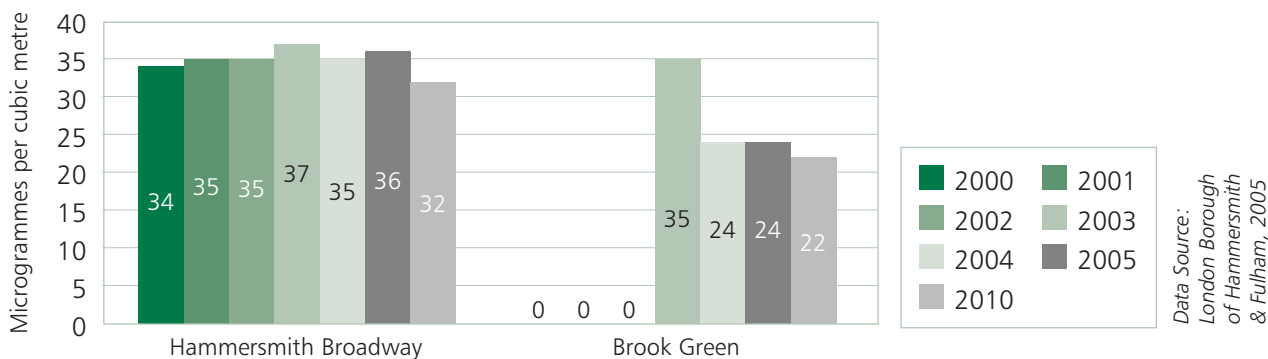
Small particles data, 2000 - 2010, by site

Microgrammes per cubic metre

PM10 Annual Mean	Hammersmith Broadway	Brook Green	PM10 daily exceedences	Hammersmith Broadway	Brook Green
2000	34	0	2000	32	0
2001	35	0	2001	37	0
2002	35	0	2002	24	0
2003	37	35	2003	54	0
2004	<u>35</u>	24	2004	<u>29</u>	6
2005	36	24	2005	41	6
2010	32	22	2010	35	6

Data Source: London Borough of Hammersmith & Fulham, 2005

Annual mean small particles data, 2000 – 2010, by site



Data Source: London Borough of Hammersmith & Fulham, 2005

Note: 'Exceedences' occur when the set targets for air quality are not achieved, ie, when the level of PM10 particles measured exceed the set target level. Brook Green station not installed until 2003. Underlined text shows less than 75% data capture. Bold text represents an exceedence of the air quality objective. Objective: 1) no more than 35 days a year exceeding 50µg/m³ (by 31 Dec. 2005); no more than 10 days a year exceeding 50µg/m³ (by 31 Dec. 2010). Objective 2) annual mean of no more than 40µg/m³ (by 31 Dec. 2005); no more than 23µg/m³ (by 31 Dec. 2010)

Air quality - nitrogen dioxide - monitoring site data

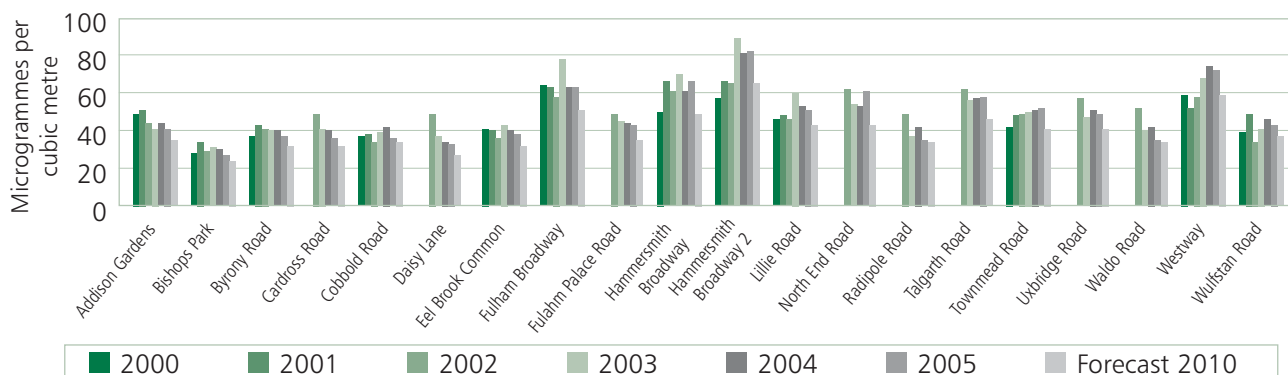
- 15 out of the 20 monitoring sites (75%) in Hammersmith & Fulham exceeded (did not meet) the Nitrogen Dioxide annual mean target in 2004. However, early indications are that fewer sites exceeded the target in 2005.
- Most of the sites classified as 'roadside' exceeded $40\mu\text{g}/\text{m}^3$ in 2004 and 2005.
- The sites that met the target were all 'background' sites well away from busy roads such as Bishop's Park and Eel Brook Common.
- Quiet residential roads such as Daisy Lane, Cardross Road, and Bryony Road were the other sites which met the target, although the latter two sites were borderline at $40\mu\text{g}/\text{m}^3$.
- The 2010 forecasts suggest that air quality at five of the 15 sites that are currently not meeting targets could improve sufficiently to meet the $40\mu\text{g}/\text{m}^3$ target.

Annual mean nitrogen dioxide data, 2000 – 2010 – by site, microgrammes per cubic metre

Monitoring site	2000	2001	2002	2003	2004	2005	Forecast 2010
Addison Gardens	49*	51	44	41	44	41	35
Bishop's Park	28	34	29	31	30	27	24
Bryony Road	37	43	41	41	40	37	32
Cardross Road	-	-	49*	41	40	36	32
Cobbold Road	37	38	34	39	42	36	34
Daisy Lane	-	-	49*	37	34	33	27
Eel Brook Common	41	40	36	43	40	38	32
Fulham Broadway	64*	63	58	78	63	63	51
Fulham Palace Road	-	-	49*	45	44	43	35
Hammersmith Broadway	50	66	61	70	61	66	49
Hammersmith B'way 2	57*	66	65	89	81	82	65
Lillie Road	46	48	46	60	53	51	43
North End Road	-	-	62*	54	53	61	43
Radipole Road	-	-	49*	37	42	35	34
Talgarth Road	-	-	62*	56	57	58	46
Townmead Road	42*	48	49	50	51	52	41
Uxbridge Road	-	-	57*	47	51	49	41
Waldo Road	-	-	52*	41	42	35	34
Westway	59*	52	58	68	74	72	59
Wulfstan Road	39	49	34	41	46	43	37

Data Source: London Borough of Hammersmith & Fulham, 2005

Annual mean nitrogen dioxide data, 2000 – 2010 – by site



Data Source: London Borough of Hammersmith & Fulham, 2005

Note: 'Exceedences' occur when the set targets for air quality are not achieved, ie, when the level of nitrogen dioxide measured exceed the set target level. Where no data is shown the site was not set up until 2002. * new site, less than 12 months worth of data collected - adjusted to annual mean using technical guidance correction factor. Bold text represents an exceedence of the air quality objective. Objective: no more than $40\mu\text{g}/\text{m}^3$ (by 31 Dec. 2010). 2005 data is provisional

Air quality - benzene

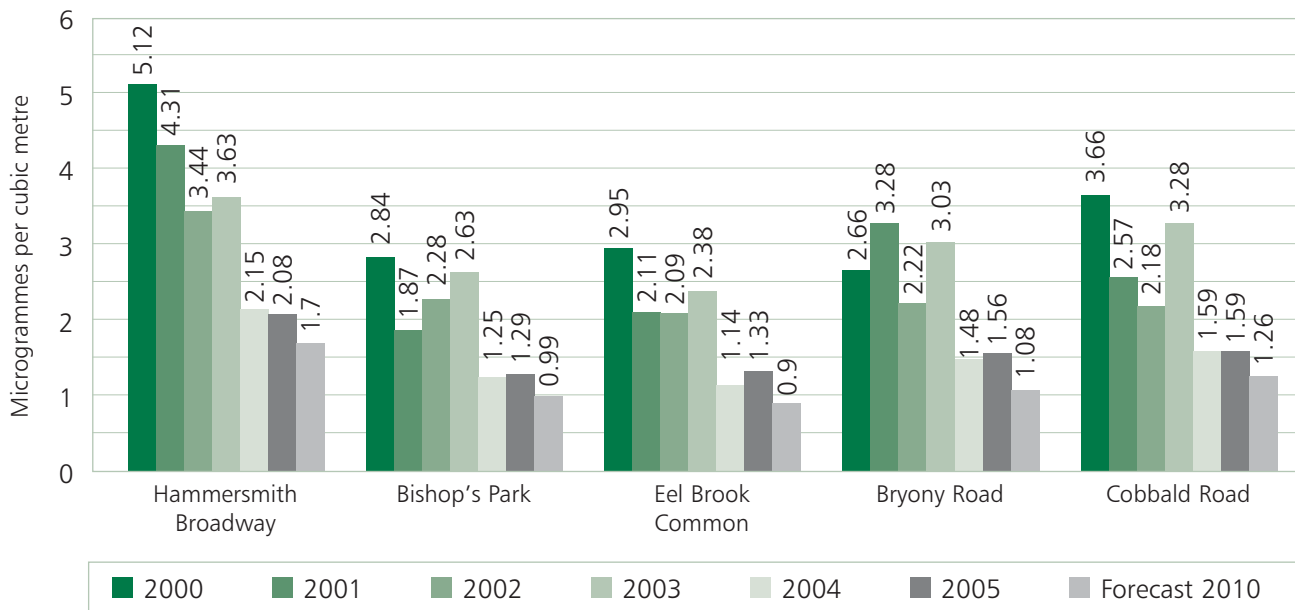
- As can be seen from the table, there were no exceedences of the annual mean benzene target in 2004, or 2005. All targets were met.
- There has only been one year in the last five years where one site, Hammersmith Broadway, exceeded (did not meet) the target.
- The 2010 forecasts for benzene levels at these locations suggest that benzene concentrations are expected to fall further and continue to meet the target.

Annual mean benzene data, 2000 – 2010, by site, microgrammes per cubic metre

Monitoring site	2000	2001	2002	2003	2004	2005	Forecast 2010
Hammersmith Broadway	5.12	4.31	3.44	3.63	2.15	2.08	1.7
Bishop's Park	2.84	1.87	2.28	2.63	1.25	1.29	0.99
Eel Brook Common	2.95	2.11	2.09	2.33	1.14	1.33	0.9
Bryony Road	2.66	3.28	2.22	3.03	1.48	1.56	1.08
Cobbald Road	3.66	2.57	2.18	3.28	1.59	1.59	1.26

Data Source: London Borough of Hammersmith & Fulham, 2005

Annual mean benzene data, 2000 – 2010, by site



Data Source: London Borough of Hammersmith & Fulham, 2005

Note: 'Exceedences' occur when the set targets for air quality are not achieved, ie, when the levels of benzene measured exceed the set target level. Bold text represents an exceedence of the air quality objective. Objective: no more than 5µg/m³ (by 31 Dec. 2010). 2005 data is provisional

Recycling

- The council collected 58,153 tonnes of domestic waste in 2004-05, of which 11,500 tonnes was recycled, resulting in a current household recycling rate of 19.5%. The council aims to recycle 24% of household waste by 2005/06.
- Hammersmith & Fulham introduced a co-mingled kerbside collection service to all street properties in April 2003. This serves approximately 50,000 households. Residents participating in this scheme receive a weekly 'Smart Sack' recycling collection. The Smart Sacks take paper, card, glass bottles/jars, food & drink cans, aerosols and plastic bottles all in the same sack with no need to sort.
- Residents living in estates, flats and mansion blocks are provided with communal Smart Banks which take the same materials for recycling as the Smart Sack. There are over 40 recycling sites on the public highway, with Smart Banks and some with textile banks and printer inkjet/toner cartridge banks. All schools are also provided with one or more Smart Banks.
- The council has run a seasonal green garden waste collection since April 2003 and continues to offer subsidised home compost bins.
- The Smarter Borough action plan was launched in 2002 and the council is a partner in the Recycle Western Riverside Campaign both of which run high profile publicity to ensure residents are aware of the full range of recycling services.
- Since the introduction of the above services and campaigns, the recycling rate has increased significantly from 8.5 % in 2002-03 to 19.5% in 2004-05.

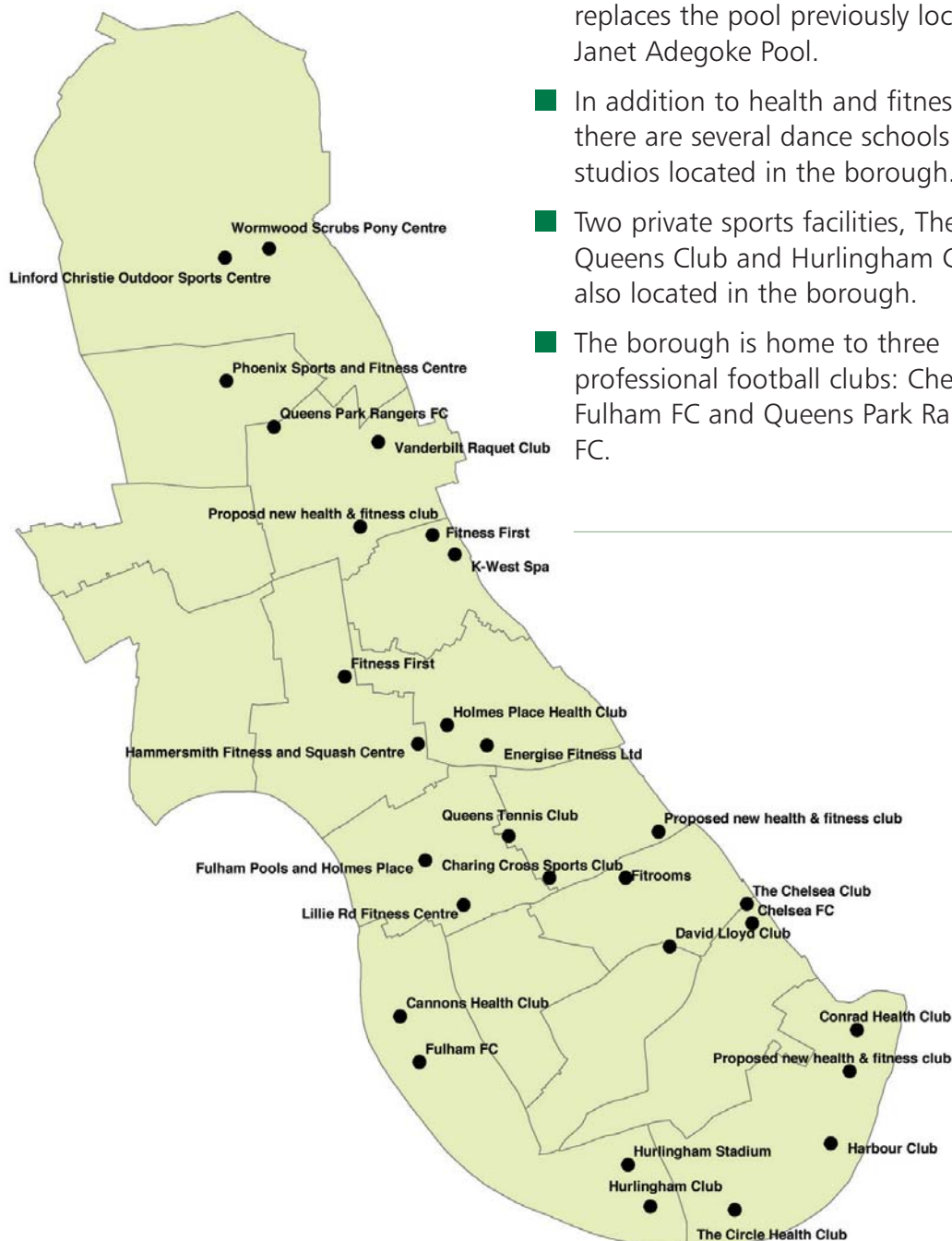
Hammersmith & Fulham recycled waste (tonnes), 2000-05

Year	2000/01	2001/02	2002/03	2003/04	2004/05
Recycling/composting - tonnes	5,691	5,813	5,667	9,395	11,500
Household waste - tonnes	71,561	66,993	66,954	58,153	58,852
Percentage recycling	8.0%	8.7%	8.5%	16.2%	19.5%

Data Source: London Borough of Hammersmith & Fulham

Leisure facilities - sports and fitness

- The borough has one of the highest numbers of health and fitness clubs in the country.
- Some community centres, such as the Masbro Centre, also provide sports and fitness facilities.
- Sports facilities at Hurlingham Park and the Linford Christie Outdoor Sports Centre have recently been refurbished.
- Hammersmith Fitness and Squash Centre has also recently undergone refurbishment and a new pool complex is due to be completed at Phoenix Sports and Fitness Centre. This replaces the pool previously located at Janet Adegoke Pool.
- In addition to health and fitness clubs, there are several dance schools and studios located in the borough.
- Two private sports facilities, The Queens Club and Hurlingham Club, are also located in the borough.
- The borough is home to three professional football clubs: Chelsea FC, Fulham FC and Queens Park Rangers FC.



Leisure facilities libraries, museums and exhibition centres

- There are six libraries within the borough, all operated by the council.
- A new library is also proposed as part of the Westfield Shopping Centre development at White City.

- In addition to the public libraries, the Archives and Local History Centre is located in central Hammersmith.
- There are a number of museums in the borough, including the Museum of Fulham Palace, which is currently undergoing restoration.
- There are also a number of small galleries located throughout the borough.



Leisure facilities major entertainment facilities

■ There are a number of large entertainment venues in the borough. These include the Carling Apollo, Hammersmith Palais and the Shepherd's Bush Empire.

■ Hammersmith & Fulham is well served in respect of cinemas, and there are additional facilities planned for the new White City Shopping Centre.

■ The BBC provides a number of facilities in the borough, including BBC Television Centre and a planned music centre at White City.

■ Many bars and pubs located in the borough are also venues for live music and comedy.



Leisure facilities - major hotels

- There are a number of large hotels located throughout the borough.
- Hotels are particularly concentrated in Shepherd's Bush, Hammersmith & Fulham Town Centres.
- Some of these hotels provide conference and exhibition facilities as well as health and fitness suites.
- There are major exhibition and conference facilities located at Olympia and Earls Court.
- New hotels are currently planned in Shepherd's Bush and Fulham area.

