

Results from the 2013 driving transects across the Thames Basin Heaths SPA



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Basin Heaths SPA



Date: September 2013

Version: Final

Recommended Citation: Fearnley, H. (2013). Results from the June 2013 driving transects across the Thames Basin Heaths SPA. Footprint Ecology.

Summary

Car parking provision across the SPA

- Across the SPA 160 car parking areas were identified with a space for an estimated 2,118 parked vehicles.
- Three parking areas had been closed since the last count and two previously unmapped parking areas were identified.

Car park transects

- Three weekday and three weekend driving transects were conducted counting all parked vehicles in the 161 car parking areas over a 2 hour time window.
- In total 3,164 parked vehicles were recorded with an average of 527 per count.
- Significantly more vehicles were recorded on the weekend (1,881) compared to the weekday (1,283) counts.
- There was a significant relationship between the capacity of a car park and the number of parked vehicles.
- In total 8 commercial dog walking vans were observed parked adjacent to SPA access points and 79 parked vehicles had bike racks.

Estimation of visitors from car park transect data

- The car park transect data were scaled up using the mean vehicle occupancy value calculated from the face to face visitor work in 2012 (Fearnley & Liley 2012).
- We estimate the car park transect data captures visitor information from 5,219 people and their 3,179 dogs.

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Acknowledgements

This report was commissioned by Natural England. We are grateful to Patrick McKernan of Natural England for his guidance through the project and to his colleague David Pearce for checking the car park master file.

Thanks are also extended to Louise Floyd, Fenella Lewin, Neil Gartshore, Doug Whyte, Nick Hopper and Adrian Hickman who completed the driving transects.

1. Introduction

- 1.1 This piece of work was commissioned by Natural England to provide a snapshot of visitor pressure by those who arrive by car across all parts of the SPA by counting the number of parked vehicles present at access points to the SPA. Six counts were undertaken in total, three on a week day and three on a weekend day to consider how use of the SPA might differ between these days.
- 1.2 Here, we present the findings of the car park counts, consider the relationship between the number of parked vehicles and car park capacity and from the parked vehicle numbers estimate the total number of visitors to the SPA from each transect count.

2. Methods

Car park counts

- 2.1 Two trial driving transects were undertaken in September 2012 (Fearnley & Gartshore 2013) to set out a methodology for future counts and check the digital file (supplied by Natural England) of parking areas with estimated capacities adjacent to the SPA . These transect counts followed the basic methodology trialled in this report (Fearnley & Liley (in press)).
- 2.2 The parking locations were grouped into six geographical sections (Map 1) and one surveyor was allocated a single section to count. Each transect required six surveyors, one per section to undertake the count. The car parking areas were grouped into six sections to keep the count window within two hours so each count could be interpreted as a snapshot of visitor distribution across the SPA. Surveyors drove their sections simultaneously (the count start time was the same for each section) and recorded the number of parked vehicles in the parking areas.
- 2.3 Surveyors were provided with paper maps, grid references and descriptions of the car parks (Appendix 1 to Table 16 in Appendix1) and preprinted recording forms (Table 17 in Appendix 1). Satellite Navigation devices were also provided pre-programmed with the car park locations to assist with navigation along each section of the transect.
- 2.4 The recording form distinguished between several vehicle categories (commercial vehicles, camper vans, MPV's and minibuses). In general commercial vehicles were excluded from the total counts of parked cars as these were unlikely to be linked to recreational use unless the surveyor made notes to indicate these were vehicles associated with recreational use (no works nearby, seen walking a dog etc).
- 2.5 Surveyors drove the predefined route of their allocated section and recorded the total number of parked vehicles, categorised the vehicles and made any additional notes. At larger parking areas the surveyors drove in and around the car parking making note of the vehicles and at the smaller informal parking areas surveyors made a mental note of the parked vehicles and recorded these on the form when it was safe to stop and park their car.
- 2.6 Six driving transects, each consisting of six sections, were completed. Three were undertaken on a weekend day (Sunday June 9th) and three on a week day (Monday June 10th) starting at 9am, 2pm and 6pm and the car park count order was reversed for every other transect (Table 1). The car park counts were scheduled to avoid the peak rush hour times.

Table 1: Dates, times and count order of car park transects completed in June 2013

Transect reference	Date	Start time	Car park order
T1	Sunday 9 th June	9am	Ascending
T2	Sunday 9 th June	2pm	Descending
T3	Sunday 9 th June	6pm	Ascending
T4	Monday 10 th June	9am	Descending
T5	Monday 10 th June	2pm	Ascending
T6	Monday 10 th June	6pm	Descending

Analyses

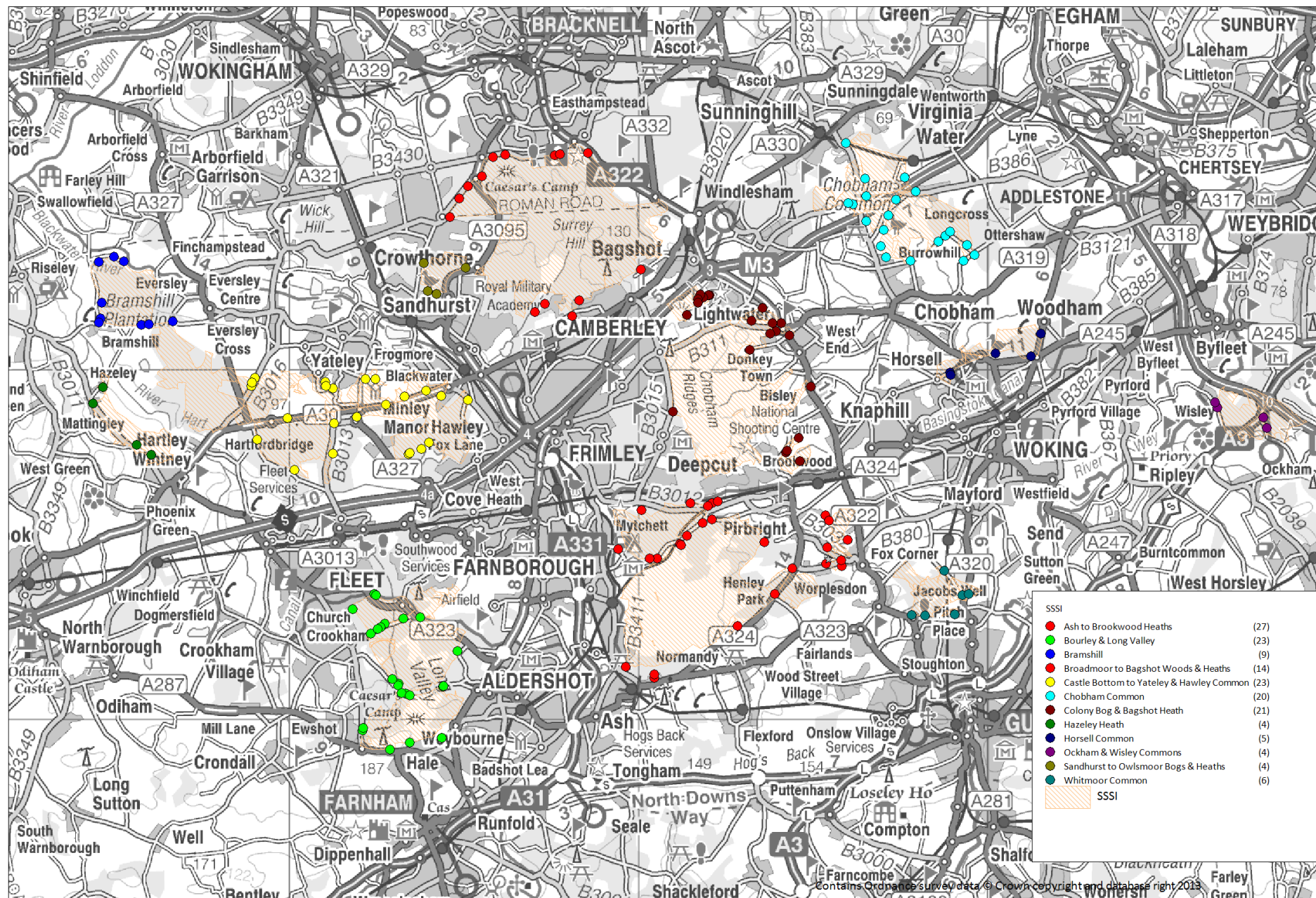
- 2.7 Data were digitised manually into Excel and statistical analyses were undertaken using Excel v14 and Minitab 14. All spatial analyses were completed using MapInfo v 10.0.1.
- 2.8 Natural England¹ SSSI layer was used as the boundary to the SSSI units and the base maps were sourced from Ordnance Survey Opendata².
- 2.9 For the visitor total we also assumed the mean number of 1.6 visitors and 1.3 dogs arriving by car with an average (median) visit duration for interviewees who arrived by car (less than an hour which we approximate to 45 minutes) both values were taken from the 2012 visitor survey work (Fearnley & Liley (in press)). Average day length in June in Britain is 16³ hours and we assumed visitors to the SPA are limited for the first hour of light making day length 15 hours. We also assumed the 9am car park counts to be representative of visit patterns between 6am – 12pm (6 hours), the 2pm counts representative of visit patterns between 12pm-4pm (4 hours) and 6pm counts representative of visit patterns between 4pm – 9pm (5 hours). In the absence of published values occupancy rates for MPV's and Minibuses we took the occupancy rate of these vehicles to be 4.8 people per vehicle (three times that of a car) and 1.3 dogs (same occupancy as a cars).

¹ http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp

² <http://www.ordnancesurvey.co.uk/oswebsite/products/os-opendata.html>

³ <http://www.projectbritain.com/weather/sunshine.htm>

Map 2: Car parks per SSSI



3. Results

Parking areas and drive time

- 3.1 Three parking areas with a total capacity for nine vehicles adjacent to Ash to Brookwood Heaths SSSI were found to have closed or blocked off since the trial transects were completed last year. In addition two new parking areas were identified one adjacent to Ash to Brookwood Heaths SSSI with capacity for four vehicles and the other adjacent to Colony Bog and Bagshot Heath SSSI with capacity for two vehicles; these were included in section 6 of these counts.
- 3.2 The driving transects recorded vehicles in 160 parking locations with an estimated 2,118 spaces (Table 2). On average each section took between 51 - 136 minutes to count with each transect taking on average 9 hours and 13 minutes of surveyor time (Table 3).

Table 2: Summary of the number of parking areas, their capacity and average drive time per section.

Section	Total number of parking areas	Total number of spaces	Average drive time (hh:mm)
1	23	193	00:51
2	36	354	01:58
3	18	450	01:05
4	29	515	02:16
5	24	235	01:23
6	30	371	01:37
Total	160	2,118	

Table 3: Summary of hours per transect and time of average section count window.

Transect	Average number of surveyor hours per transect	Average section count window (hh:mm)
Weekend	09:03 (includes first transect)	01:30
Weekday	09:23	01:33
All	09:13	01:32**

Transect counts

- 3.3 In total across the six driving transects 3,164 parked vehicles were recorded with an average 527 vehicles recorded per count (Table 4 and Map 3). The number of vehicles recorded over the different transects and across the different sections was variable.
- 3.4 Table 5 provides a summary of the number of parked vehicles recorded adjacent to each SSSI unit of the SPA. The highest number of parked vehicles (879) was recorded adjacent to Broadmoor and Bagshot Heaths and Woods and the fewest adjacent to Hazeley Heath.

Weekend and weekday counts

- 3.5 A higher number of vehicles was recorded on the weekend transects in comparison to the weekday counts (1,881 versus 1,283), (Table 4, Map 4 and Map 5). When a comparison was drawn using data from all six counts there was a statistically significant difference in the proportion of parked vehicles across the SPA (in comparable time slots 9am, 2pm and 6pm) on weekdays and weekends ($\chi^2 = 59$, $df=2$ $p < 0.01$) with a higher number of vehicles recorded on the weekend transects. This is despite a slightly higher number of parked vehicles recorded on the Monday 6pm count in comparison to the Sunday 6pm count (Table 2), which could reflect the cloudy weather on the Sunday evening or an underlying pattern in visitor behaviour with higher visitor numbers to the SPA on weekday evenings.
- 3.6 Map 6 and Map 7 show transect data for T2 (Sunday at 2pm) and T5 (Monday 2pm) by the individual car park and hence the distribution of parked cars adjacent to SPA access points within a two hour window. Map 8 and 9 show the same information but with the number of parked vehicles grouped by SSSI.

Results from 2013 driving transects across the Thames Basin Heaths SPA

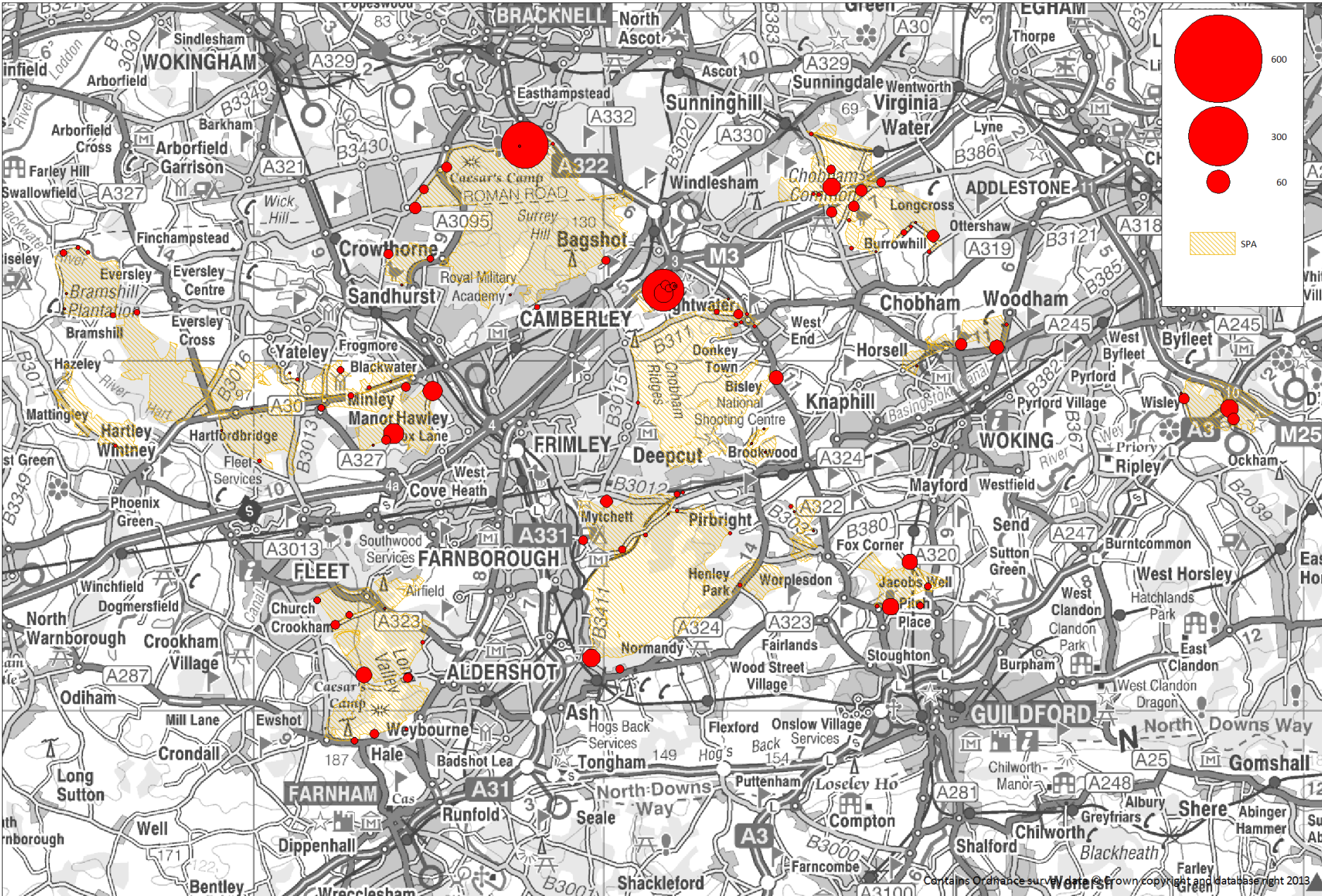
Table 4: Numbers of non-commercial vehicles recorded per section and per driving transect

Day of week	Transect Number						Total parked vehicles	Average vehicle count
	Weekend			Weekday				
Section	1	2	3	4	5	6		
1	64	57	51	49	22	28	271	45
2	66	66	34	61	47	60	334	56
3	219	349	79	63	98	115	923	154
4	107	180	122	88	104	74	675	113
5	42	50	41	37	54	48	272	45
6	164	133	57	99	97	139	689	115
Total parked vehicles	666	835	387	398	424	464	3,164	527
Totals vehicles	1,881			1,283				
Average number of vehicles	627			428				

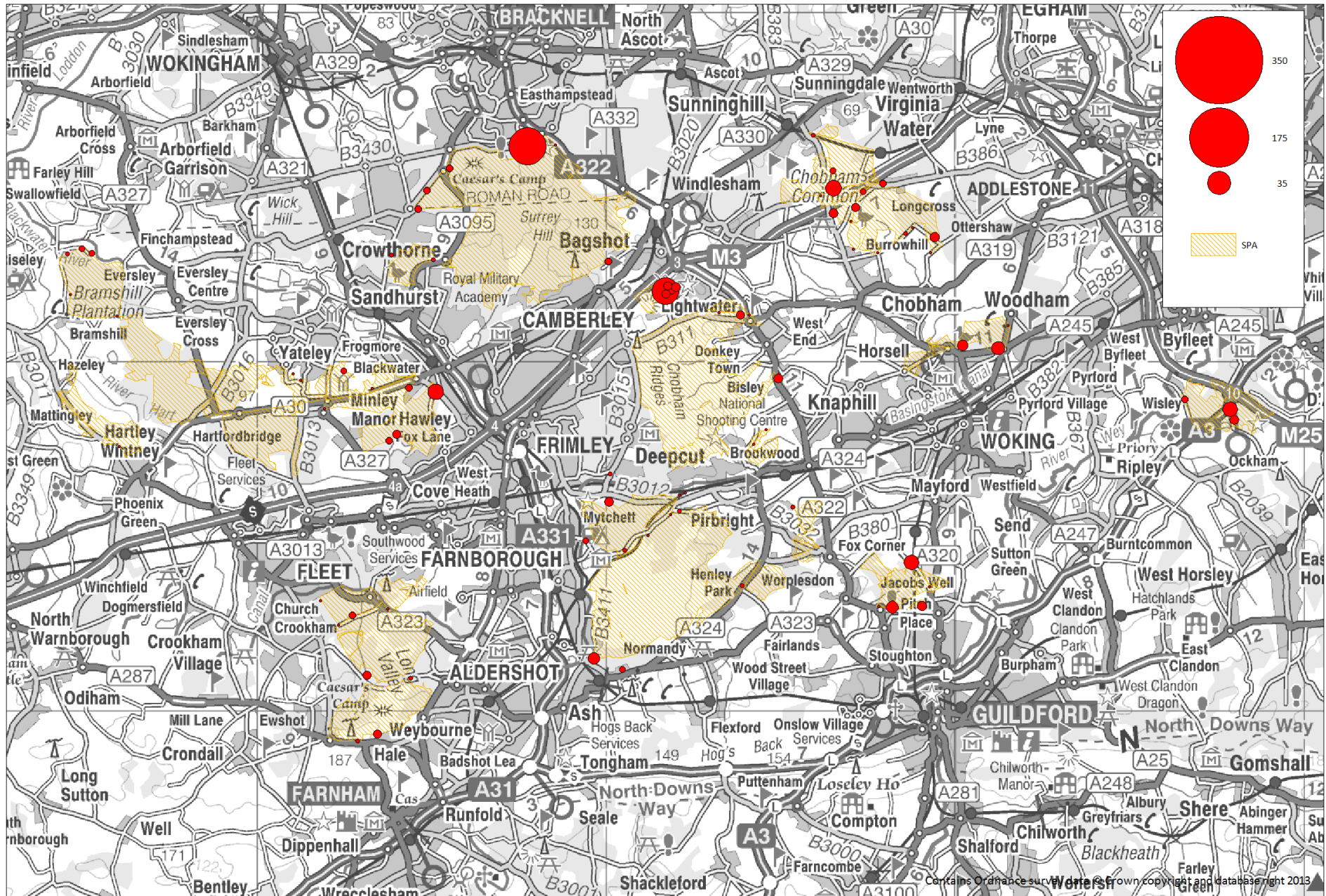
Table 5: Summary of the number of parked vehicles per SSSI recorded on the driving transects June 2013.

SSSI	Size (ha)	Number of parking areas	Estimated number of spaces	T1 vehicle count	T2 vehicle count	T3 vehicle count	T4 vehicle count	T5 vehicle count	T6 vehicle count	Total	Average
Broadmoor to Bagshot Woods & Heaths	1,572	14	419	206	342	75	53	94	109	879	147
Colony Bog & Bagshot Heath	815	21	295	130	106	41	83	82	121	563	94
Chobham Common	671	20	315	28	75	49	62	56	34	304	51
Bourley & Long Valley	1,691	23	193	64	57	51	49	22	28	271	45
Castle Bottom to Yateley & Hawley Common	920	23	293	50	51	26	51	36	56	270	45
Ash to Brookwood Heaths	653	27	230	56	39	26	34	34	40	229	38
Ockham & Wisley Commons	1,127	4	132	40	75	43	17	25	26	226	38
Whitmoor Common	180	6	81	20	38	31	19	35	26	169	28
Horsell Common	152	5	68	39	30	30	9	23	14	145	24
Bramshill	224	9	43	15	12	7	10	10	3	57	10
Sandhurst to Owlsmoor Bogs & Heaths	86	4	31	13	7	4	10	4	6	44	7
Hazeley Heath	166	4	18	1	3	1	0	1	1	7	1
Total		160	2,118	662	835	384	397	422	464	3,164	527

Map 5: Total number of vehicles recorded per car park during weekday transects



Map 7: Total number of vehicles recorded per car park during Monday 2pm count



Parking capacity and parked vehicles

3.7 There was a significant correlation between car park capacity and the number of parked vehicles on both the weekend (Spearman's Rank correlation $r_s = 0.7$ $p < 0.001$) (Figure 1) and weekday transects (Spearman's Rank correlation $r_s = 0.76$, $p < 0.001$) (Figure 2). The greater the parking provision the higher the number of parked vehicles hence the higher the number of visitors to an area. The Lookout is a clear outlier on these scatter plots with such a high parking provision. Even when this data point is removed the correlation between capacity and number of parked vehicles is still significant for both weekday and weekend transects (for average weekend count, $r_s = 0.69$, $p < 0.001$ and for average weekday $r_s = 0.75$, $p < 0.001$).

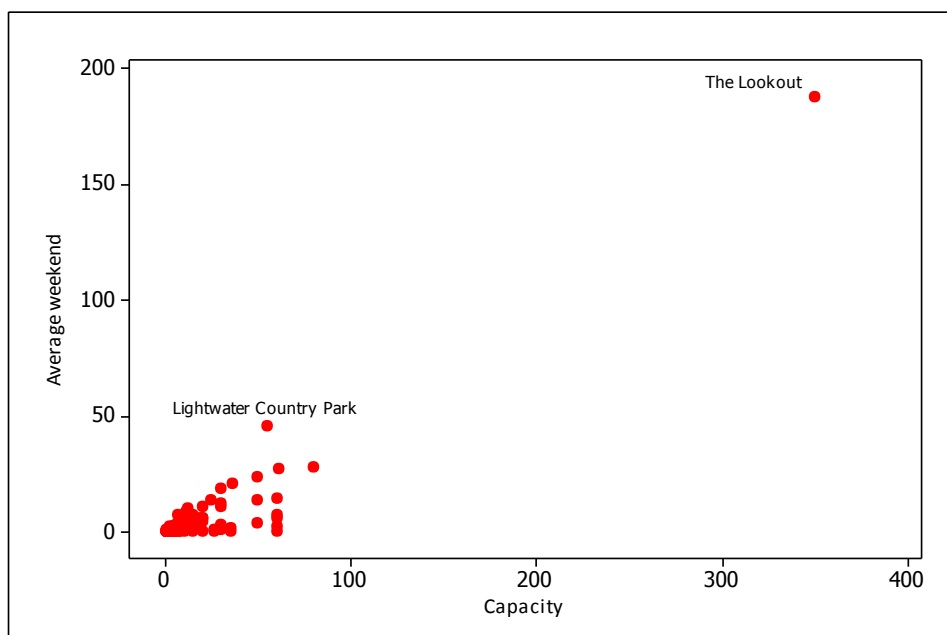


Figure 1. Scatterplot of the capacity of each parking area against the average number of parked vehicles recorded on the weekend (Sunday) transects

Results from 2013 driving transects across the
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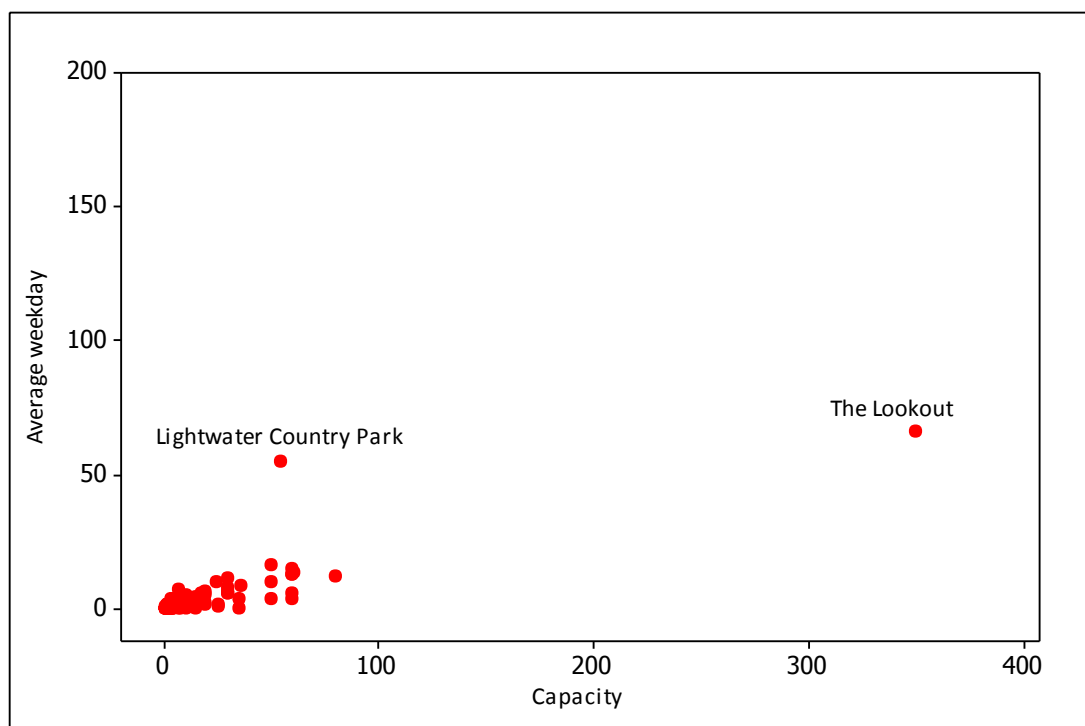


Figure 2: Scatterplot of the capacity of each parking area against the average number of parked vehicles recorded on the weekday (Monday) transects

Vehicles with bike racks

3.8 Parked vehicles with bike racks were also noted as part of the count and in total 98 bike racks were recorded in 19 different parking areas (Table 6). The highest numbers of bike racks were observed in parking adjacent to Broadmoor to Bagshot Woods and Heaths SSSI with 76 of the 79 racks counted at 'The Lookout' (Map 10).

Table 6: Number of parking locations in which bike racks were recorded and bike rack count per SSSI from the transect counts.

SSSI	Number of bike racks	Number of parking locations with bike racks
Broadmoor to Bagshot Woods & Heaths	79	4
Bourley & Long Valley	6	5
Ash to Brookwood Heaths	4	4
Ockham & Wisley Commons	4	2
Colony Bog & Bagshot Heath	3	2
Sandhurst to Owlsmoor Bogs & Heaths	1	1
Whitmoor Common	1	1
Bramshill	0	0
Castle Bottom to Yateley & Hawley Common	0	0
Chobham Common	0	0
Hazeley Heath	0	0
Horsell Common	0	0
Total	98	19

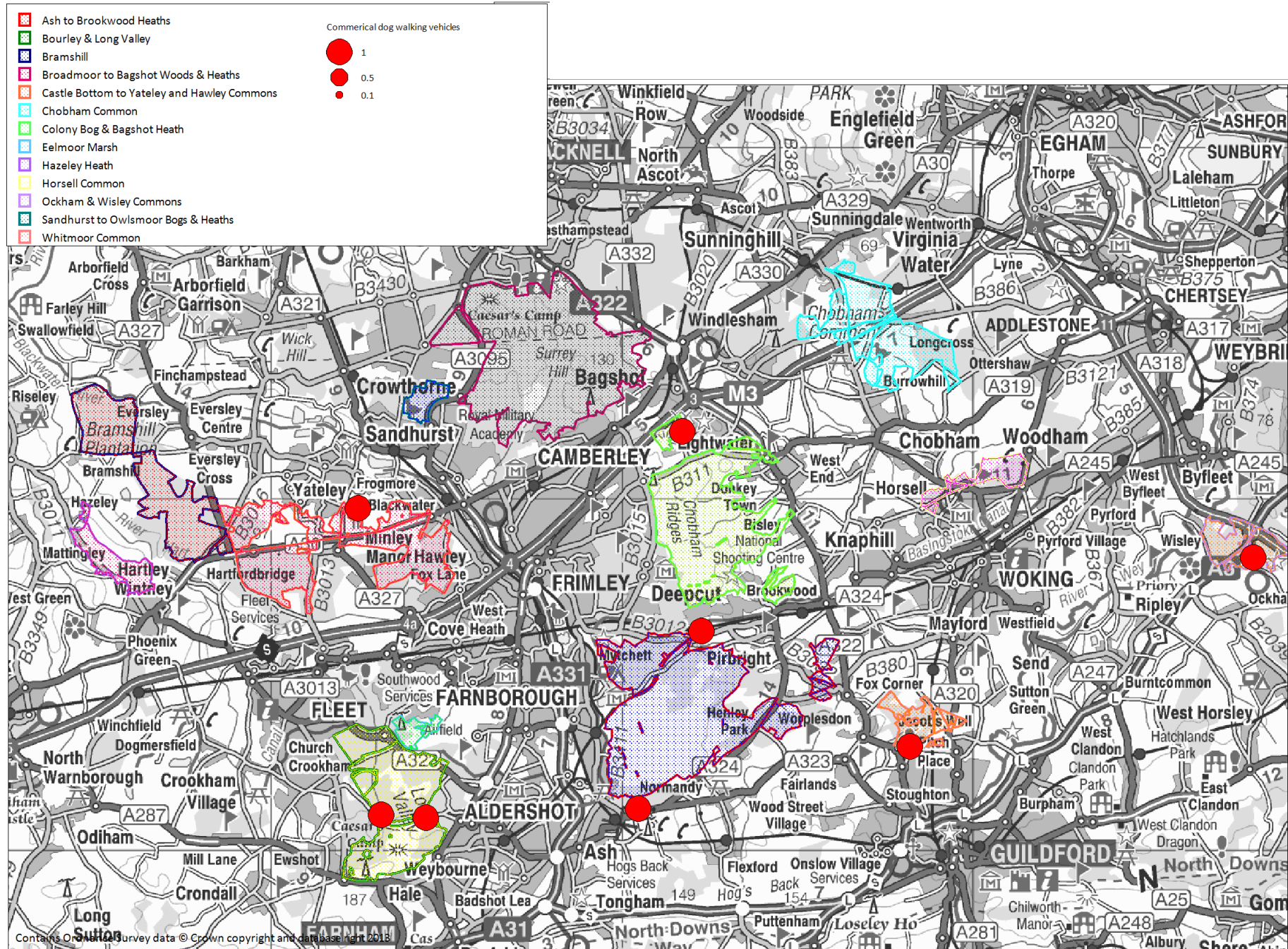
Commercial dog walking vehicles

3.9 The number of branded commercial dog walking vehicles was noted on the surveys and eight in total were recorded across the SPA (Table 7). Two of these vehicles were noted on each of Ash to Brookwood Heaths and Bourley and Long Valley (Table 7 and Map 11). Surprisingly no branded commercial dog walking vans were noted at Horsell Common where this was observed during the 2012 visitor survey work (Fearnley & Liley (in press))

Table 7: Number and location of commercial dog walking vans recorded on the driving transects

SSSI	Car parks in which a commercial dog walking van was observed	Total number of commercial dog walking vans observed
Ash to Brookwood Heaths	2	2
Bourley & Long Valley	2	2
Castle Bottom to Yateley & Hawley Common	1	1
Colony Bog & Bagshot Heath	1	1
Ockham & Wisley Commons	1	1
Whitmoor Common	1	1
Bramshill	0	0
Broadmoor to Bagshot Woods & Heaths	0	0
Chobham Common	0	0
Hazeley Heath	0	0
Horsell Common	0	0
Sandhurst to Owlsmoor Bogs & Heaths	0	0
Total	8	8

Map 11: Number of commercial dog walking vans observed per SSSI



Estimation of visitor numbers from transect counts

3.10 An estimate of the mean vehicle occupancy can be applied to the car park count data to provide an indication of visitor numbers across the whole SPA. To generate these estimates we used the derived values from the Thames Basin Heaths visitor survey work in 2012 (Fearnley & Liley (in press)) of 1.6 visitors and 1.3 dogs per vehicle. In this study, with the absence of published values occupancy rates for MPV's and Minibuses we took the occupancy rate of these vehicles to be 4.8 people per vehicle (three times that of a car) and 1.3 dogs (same occupancy as a cars).

3.11 We estimate the number of visitors to the SPA within the 90 minute (Table 3) transect count windows to range between 621 visitors (transect 3 on Sunday 6pm) to 1,374 visitors (transect 2 on Sunday 2pm). Over the entire survey period we estimate the number of counted vehicles represents the presence of 5,219 visitors and their 3, 179 dogs (Table 8).

Table 8: The number of parked cars and MPV/minibuses recorded per transect at parking locations adjacent to the SPA

Transect number	Number of cars	Car * Occupancy of 1.6	Number of MPV/minibus	MPV/minibus *occupancy of 4.8	Visitor total	Dogs (sum of vehicles *1.3)
1 (weekend 9am)	647	1,035	15	72	1,107	667
2 (weekend 2pm)	823	1,317	12	58	1,374	839
3 (weekend 6pm)	382	611	2	10	621	385
4 (weekday 9am)	392	627	5	24	651	399
5 (weekday 2pm)	418	669	4	19	688	423
6 (weekday 6pm)	453	725	11	53	778	467
Total	3,115	4,984	49	235	5,219	3,179
Weekend average	617	988	10	46	1,034	630
Weekday average	421	674	7	32	706	430

3.12 To derive the visitor estimates we made the following assumptions (full details are listed in the methods section paragraph 2.9,

- Visitor patterns are constant throughout the day
- Car park counts are representative of visit patterns during each time period
- Day length (for visits when fully light)= 15 hours
- Average number of visitors per car = 1.6 and by MPV/minibus = 4.8
- Visit duration by those who arrive by car = 45 minutes

3.13 We very crudely estimate 32,081 visitors arrived by car and made a visit to the SPA during the two survey days, with 18,860 making their visit on the weekend day and 13,221 on the weekday (Table 9).

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Table 9: Estimates of visitor totals to the SPA from the car park counts

Time period	Number of hours	Number of 45 minute intervals	Number of visitors from transect within time period		Visitor total per time period	
			Weekend	Weekday	Weekend	Weekday
6am – 12pm	6	8	1,107	651	8856	5208
12pm – 4pm	4	5.3	1,374	688	7282	3646
4pm – 9pm	5	6.7	621	778	4161	5213
Total	15	18.7	3,102	2,117	20299	14067
Weekday and weekend total			5,219		34,366	

4. Discussion

- 4.1 Logistically only three transects surveys per day could be completed and the surveys were scheduled to avoid the peak rush hour times (to minimise the count window) whilst still capturing count data during peak activity times. However, we have not captured any data on early morning use of the SPA which we know is popular with many visitors with 23% of visitors responding to the 2012 visitor survey stated they tend to make a visit before 9am (Fearnley & Liley (in press)).
- 4.2 Surveyors distinguished between vehicle type on the recording forms so as to include higher capacity (people wise) vehicles including minibuses and MPV's. In the absence of published values for the average vehicle occupancy of MPV's and minibuses our estimate, for visitors who arrive by minibus, could be a large underestimate and for those arriving by MPV could be an overestimate.
- 4.3 The number of vehicles with attached bike racks was also recorded but at 'The Lookout' very few visitors with mountain bikes actually carried them on racks and preferred to travel with their bike in their car. The surveyors noted several people moving their bikes in and out of parked vehicles. Thus the number of bike racks will provide only an indication of the number of people using the site for biking and will be an underestimate at this location.
- 4.4 The large car parks at honey pot sites which provide visitor facilities (Lightwater Country Park and The Lookout) are likely to contain a mix of vehicles from visitors who make visits to areas of the SPA and visitors who visit solely to use or work at the facilities and do not go onto the SPA. Therefore it is likely that at these locations the total number of visitors will be overestimated if the number of parked vehicles is scaled up to visitor totals. If the car park count data are to be scaled up to provide estimates of visitor numbers over time for these car parks then we would suggest dedicated survey work is undertaken to establish the proportion of visitors who arrive by car that actually visit areas of the SPA.
- 4.5 The use of SPA wide car park counts works well to draw comparisons of visitor distribution over time and provides a robust means of comparing visitor use between locations within this SPA. Another benefit with these data is that they can be easily replicated in the future. However, scaled up crude estimates from these data should be treated with caution.
- 4.6 Scaling up the car park transect data puts a visitor total on a weekend day in June at 20,299 and 14,067 on a weekday. Assuming 8 weekend days and 22 weekdays in June the monthly visitor total arriving by car (75% of all interviewed groups (Fearnley & Liley (in press)) for June comes to 441,742 with a total visitor number (including those who arrived by other modes of transport) of 588,989.
- 4.7 If we were to scale up to an annual visitor total using data from the two count days in June and assume visit patterns are consistent throughout the season. We also assume

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there are 104 annual weekend days and 261 weekdays, visit duration is 45 minutes and that 75% of visitors arrive by car and 25% by other transport modes (Fearnley & Liley (in press)) and the occupants of all parked vehicles recorded on the surveys accessed the SPA, we crudely estimate the annual number of visitors to be in the region of 7,586,580 (Table 10).

- 4.8 It is difficult to provide a robust annual estimate of visitor numbers to the SPA based on just two surveys days with three counts. Ideally estimates for annual visits would be based on multiple car transects from different seasons and conducted to cover a range of times of day. Nonetheless we have attempted to scale up the data and estimate that in total there are over 7 million visitors to the SPA.

Table 10: Annual estimate at visitor numbers from the car park counts

Visitor number category	Visitor numbers over week day and weekends	
	Weekend	Weekday
June visitor estimate by car	20,299	14,067
Annual weekday and weekend visitor estimate by car	2,111,086	3,671,487
Total annual visitor numbers arriving by car (75% of visitors from 2012/13 visitor survey (Fearnley & Liley (in press)))	5,782,573	
Total annual visitor numbers arriving by other transport modes(25% of visitors from 2012/13 visitor survey (Fearnley & Liley (in press)))	1,804,007	
Total annual number of visitors	7,586,580	

5. **References**

Fearnley, H. & Gartshore, N. (2013) *Results from Trial Driving Transects Across the Thames Basin Heaths SPA*. Footprint Ecology.

Fearnley, H. & Liley, D. ((in press)) *Visitor Access Patterns on the Thames Basin Heaths Special Protection Area 2012*. Natural England Commissioned Report NERCxxxx, Footprint Ecology / Natural England.

6. Appendix 1

Table 11: Section 1 car parks

ID	Count order	Type of parking	Capacity	Description
798	1	Verge	3	Dirt verges off B3013 Beacon Hill Road
797	2	Verge	2	Dirt verges off B3013 Beacon Hill Road
791	3	Verge	6	Access to Bourley & Long Valley off A3016 beside aerial mast
783	4	Roadside bays	12	Use roadside bays for adjacent housing on Sandy Hill Rd for SPA
779	5	Track entrance	2	Sharp turning onto gravel track by number 42 Alma road. Park in Alma road pub car park ~ 20m from track east side of Alma road and walk track entrance for count.
713	6	Lay-by & verge	10	Access to MoD military compounds only. Off Rushmoor Road
723	7	Car park	12	Car park on Bourley Road (S side) Access towards Long Valley
722	8	Car park	12	Car park on Bourley Road (N side) Access towards caesars camp
727	9	Track entrance	2	MoD access gate on Bourley Road. On south side of road.
728	10	Track entrance	4	MoD access gate on Bourley Road. Road liable to flood.
802	11	Track entrance	1	MoD access gate on Bourley Road.
729	12	Car park	50	MoD car park on Bourley Road towards Long Valley on North side of road
755	13	Track entrance	2	MoD access gate on Bourley Road. Opposite car park,
757	14	Track entrance	1	MoD access gate on Bourley Road
707	15	Car park	9	Gravel car park off Aldershot Rd adjacent to Church Crookham
705	16	Track entrance	1	MoD access gate on Aldershot Road
703	17	Car park	15	Gravel car park on Aldershot Road opposite PH
702	18	Car park	20	MoD car park on Aldershot Rd into Forest of Eversley. Dirt car park just East of Foresters Arms.
701	19	Track entrance	1	MoD access gate on Aldershot Road into Forest of Eversley
708	20	Track entrance	4	MoD access gate A323 Fleet Road
692	21	Verge	1	Dirt verge on A323 near Norris Bridge
691	22	Verge	8	Dirt verge at Pondtail Bridge, Velmead Road south side of road
686	23	Verge	15	On street parking at Florence Road off B3013, Church Crookham

Table 12: Section 2 car parks

ID	Count order	Type of parking	Capacity	Description
594	1	Lay-by	6	Unsurfaced lay-by adjacent to Hazeley Heath
900	2	Verge	5	Roadside verge on north and south side of road opposite junction and either side of bus stop
593	3	Verge	2	Dirt verge on B3011 near Hazeley Farm by reduce speed sign
672	4	Verge	5	Dirt verge in Hazeley Lea village on Plough Lane. Just before speed hump sign.
596	5	Verge	1	Forge Lane -access into Bramshill. By post box.
597	6	Lay-by	3	Forge Lane -access into Bramshill. A few passing places record all parked cars along road.
598	7	Lay-by	2	Forge Lane -access into Bramshill. A few passing places - record all [parked cars along road.
850	8	Verge	7	On South side of well house lane
851	9	Verge	2	On South side of well house lane
852	10	Verge	4	On South side of well house lane
599	11	Track entrance	2	Gate access only for Bramshill - no parking signs
600	12	Car park	12	FC car park for Bramshill Forest
601	13	Lay-by	10	Access for FC Heath Warren Wood
581	14	Verge	2	Access to Castle Hill NNR
583	15	Verge	2	Access to Castle Hill NNR
582	16	Lay-by	2	Small dirt lay-by for access to Castle Hill NNR
669	17	Verges	4	A30 just W of airport roundabout, Yateley Heath Wood. Opposite Hill House
644	18	Lay-by	9	A327 on access track off roundabout, close to Yateley Common. Count vehicles on both sides of road
667	19	Car park	50	Main car park area by track entrance at east end of access road to Hawley Lake
903	20	Layby	4	Hawley Lake dirt layby opposite yard by access point
901	21	Track Entrance	3	Hawley Lake - Track entrance on south side of road
902	22	Track Entrance	4	Track entrance layby north side of road
578	23	Track entrance	2	Gateway only by Yateley Heath Wood with No Parking sign
849	24	Track entrance	2	On West side of road opposite Minley Farm
580	25	Lay-by	9	Gateway to FC blocked by new bank, Yateley Heath Wood
668	26	Verge	2	Gate access to gravel extraction site, Yateley Heath Wood
584	27	Lay-by	4	Dirt lay-by for Yateley Common
586	28	Lay-by	2	Small dirt lay-by for Yateley Common
585	29	Verge	2	Dirt verge for Yateley Common
14	30	Car park	11	Dirt car park with info panel, Yateley Common
670	31	Lay-by	8	Parking beside Heathlands Cemetery for Yateley Common
671	32	Lay-by	26	Unsurfaced lay-by adjacent to Yateley Common
13	33	Car park	20	Dirt car park with info panel, Yateley Common
12	34	Car park	12	Car park off A30
828	35	Verges	50	x2 unsurfaced lay-bys on MoD access road, Yateley Common
659	36	Car park	60	Car park for sports ground at Hawley Green, for access to Hawley Common

Table 13: Section 3 car parks

ID	Count order	Type of parking	Capacity	Description
845	1	Kerb	2	Roadside parking at Dawney Road, north of Overlord Crescent, for Barossa
844	2	Kerb	4	Roadside parking at Dawney Road for access to Barossa
842	3	Laybys	6	x2 laybys for Diamond Ridge Woods SANGs, just 5 mins walk to SPA
841	4	Kerb	3	Access gate entrance for Barossa from Birch Close, off Saddleback Rd
610	5	Verge	6	By Pennyhill hotel entrance
602	6	Track entrance	4	Gate access off A322 to Swinley Forest
10	7	Car park	350	Discovery Centre with visitor facilities - centre, cafe, Go Ape, environmental ed
603	8	Lay-by	4	Access to Swinley Forest off B3430
604	9	Verge	1	Off B3430 west of Caesars Camp entry, Swinley Forest
904	10	Track Entrance	1	On south of road
280	11	Lay-by	11	Layby off roundabout A3055 at Hut Hill. Entrance to FC Crowthorne Wood
675	12	Verge	2	Access to Crowthorne Wood
605	13	Track entrance	5	Gate access into Crowthorne Wood
853	14	Car park	20	Off B3348 roundabout at Crowethorne. New car park into Crowthorne Forest
11	15	Car park	15	Car park for Wildmoor Heath, info panel
847	16	Kerb	4	Roadside parking at junction of Beech Ride & Spring Woods for Wildmoor Heath. Opposite footpath adjacent to No. 1 Spring woods.
846	17	Kerb	4	Use roadside kerb at Thibet Road in Sandhurst for access to Wildmoor Heath. End of track.
607	18	Verge	8	South Road, dead end road, adjacent to Wildmoor Heath

Table 14: Section 4 car parks

ID	Count order	Type of parking	Capacity	Description
655	1	x2 lay-bys	4	Bridleway access at northern end of Chobham Common
654	2	Car park	10	Memorial car park, Chobham Common
5	3	Car park	60	Roundabout car park, Chobham Common
652	4	Verge	4	Track entrance to Brick Hill off Chertsey Rd, Chobham Common
653	5	Verge	2	Dirt verge opposite school entrance, nr Chobham Common
685	6	Verge	35	Verge on Burma Rd for Chobham Common (N). Go through width barrier to end of road where access point onto the heath, recording all cars along road.
651	7	Car park	14	Car park on Steeple Hill Road, Chobham Common. Take left hand fork after bridge.
7	8	Car park	60	Steeple Hill car park, Chobham Common
8	9	Car park	30	Jubilee Mount car park, Chobham Common
684	10	x4 verges	7	Verges on Steeple Hill Rd & track to Clearmount, Chobham C
656	11	Car park	18	Car park for Chobham Place woods
905	12	Track Entrance	2	Opposite track on east side of road
650	13	Verge	5	Access track to Burrowhill, Chobham Common
648	14	Lay-by	4	Entrance to footpath access into Chobham Common
647	15	x4 verges	8	x4 verges with F/p access to Chobham Common
683	16	Verge	10	Verge adjacent to Gracious Pond Farm, Chobham Common
646	17	x2 verges	5	Beside sharp bend in Gracious Pond Road, Chobham Common
9	18	Car park	30	Fish Pond car park, Chobham Common
906	19	Verge/Layby	2	
645	20	x3 verges	5	Beside Stonehill Road, adjacent to houses, Chobham Common
617	21	Verge	3	Off Littlewick Road, Horsell Common. Turning past Spring cottage by red sign
618	22	Lay-by	3	Off Viggory Lane, Horsell Common. Count cars up track up to no turning sign
829	23	Car park	20	Sandy Track car park on Horsell common off A245
4	24	Car park	36	Main Horsell Common car park off Shores Road
619	25	Lay-by	6	Shared with cottages at Anthony's, Horsell Common. Opposite pub a very steep turn just before houses.
613	26	Lay-by	2	To get Ockham go via A245 right a lights where there is a signpost to the train station on the left. Go past golf course sign and up pick up Sign to Wisley Church, On Wisley Lane by house, adjacent to
1	27	Car park	20	Wrens Nest SWT car park off Wisley Lane, Ockham Common
2	28	Car park	80	Ockham Bites Cafe, toilets, interpretation room, signage
3	29	Car park	30	Ockham Pond car park. Tarmaced with interpretation panel

Table 15: Section 5 car parks

ID	Count order	Type of parking	Capacity	Description
590	1	Verge	5	Dirt verges on both side of the road close to bridleway with interp panel on Whitmoor Common
592	2	Car park	25	Gravel car park beside The Jolly Farmer PH off Burdenshott Road
591	3	Verge	2	Verge on gateway to The Old Cottage, Whitmoor Common
589	4	Car park	16	Bitterns Pond car park off Salt Box Rd, opposite Stringers Common
588	5	Car park	30	Whitmoor Common off Salt Box Road
587	6	Lay-by	3	Lay-by with PRow access to Whitmoor Common on Salt Box Road
665	7	Verges	26	Verges along access track over Cowshot Hill & through Sheets Heath. Count cars from track up to cattle grid.
573	8	Lay-by	6	Layby on Queens Road with access to Cowshot Common & Sheets Heath
574	9	Lay-by	3	Layby on Queens Road with access to Cowshot Common & Sheets Heath
666	10	Verge	6	Parking off Queens Road beside houses at Wisdom Corner. Go up the track and ciunt cars up track to access gate before Bisely town sign.
638	11	Verge	3	Dirt verge on Chapel Lane for Pirbright Common. Count first two laybys together.
639	12	Car park	6	Parking area at the end of Chapel Lane for Pirbright Common.
624	13	Car park	5	Dirt verge & car park at end of Mill Lane, Pirbright oopsite Windrush house
631	14	Track entrance	3	Track entrance off B3032 towards Pirbright Common. COunt vehicles up to Bullswater Common cottage
637	15	Verge	4	Parking for Pirbright Common at end of Malthouse Lane, Fox Corner
633	16	Lay-by	3	Formal tarmac layby on lane to sewage works, Bullswater Common
632	17	Lay-by	3	Formal tarmac layby on lane to sewage works, Bullswater Common at fork in road
634	18	Verge	4	Verge on edge of B380 adjacent to access gates, Bullswater Common at corner of road
625	19	Lay-by	4	Tarmac lay-by on Bullswater Common Road off B380 opposite house number 13 white rabbits
627	20	Verge	3	Dirt verge on A324 beside access track to Stream Farm. Just before pub.
629	21	verge	2	Dirt verge on A324 beside stream. Opposite pub.
679	22	Verge	4	Verge of Bridleway track off A324 with MoD signs
680	23	Verge	3	Off A324 with MoD signs opposite Henley Park Ind Estate
657	24	Verge	1	Parking beside access track with MoD signs to Vine Farm off A324 next to parking prohibited sign.
590	25	Car park	12	Gravel car park beside Curzon Indian Restaurant on A323
592	26	Lay-by	2	Up track past curry house and car park. Opposite houses on access track off A323
591	27	Car park	60	After youth centre centre car park - with recycling bins. Recreation ground car park off Ash Hill Road

Table 16: Section 6 car parks

ID	Count order	Type of parking	Capacity	Description
643	1	Verge	60	A long, wide dirt verge on Mychett Place Road
838	2	Track entrance	2	Access track entrance on Mychett Place Road to woodland on Ash Ranges
837	3	Track entrance	6	Access track entrance on Mychett Place Road to woodland on Ash Ranges
836	4	Track entrance	2	Access track entrance on Mychett Place Road to woodland on Ash Ranges
835	5	Track entrance	2	Access track entrance on Mychett Place Road to woodland on Ash Ranges
834	6	Track entrance	2	Access track entrance on Mychett Place Road to woodland on Ash Ranges
833	7	Verge	2	Verge at junction of B3405 & B3012 beside access gate on Ash Ranges
623	8	Car park	4	Dirt car park off B3405, west of Pirbright
661	9	Car park	15	Gravel parking area off B3012 near camping ground towards Hodge Brook
907	10	Track entrance	3	At track entrance adjacent to railway bridge
621	11	Track entrance	5	Wide gate access bell mouth on B3102 beside railway bridge
622	12	Track entrance	7	Wide gate access bell mouth on B3102 spring brook
640	13	Lay-by	7	Off Old Guildford Road. Count to the end of houses on the left. Stop after and include any parked cars on dirt track. Count all cars along old guildford road
572	14	Lay-by	1	Access to Pirbright Ranges & Chobham Ridges off The Maltway
831	914	Layby	2	
830	15	Laybys	7	Informal laybys off access track on B311 Red Road, Brentmoor Heath
832	16	Laybys	7	Informal laybys off access track off A322 roundabout, Brentmoor Heath
334	17	Verge	2	Verge, also on-street parking and pub forecourt on Brentmoor Road
336	18	Verge	6	Verge at end of Birch Lane, Donkey Town for Brentmoor Heath at end of residential area
616	19	Lay-by	15	Parking at end of Broad Street, Donkey Town for Brentmoor Heath end of residential area.
664	20	Verge	2	Turnaround at end of Brentmoor Road, West End
615	21	Car park	30	Sports ground on A322 Guildford Road at Bisley, for access to Bisley Common. Count vehicles in car park and verge up to buildings and no access to recreation sign
614	22	Car park	6	Dirt car park off Guildford Road at Lightwater for Brentmoor Heath
908	23	Verge	4	Verge at end of High View Road, Lightwater. At the end of a long rough track
909	24	Layby	3	Lightwater country park - Parking by entrance gate
910	25	Car park	8	Lightwater country park - parking opposite kids play ground
911	26	Car park	10	Lightwater country park - Roadside parking opposite heathland centre
912	27	Car park	35	Lightwater country park - all parking on sideroad and parking area behind heathland centre
913	28	Car park	55	Lightwater country park - Car park opposite leisure centre
914	29	Car park	61	Lightwater country park - 2nd car park to west of leisure centre car park

Results from 2013 driving transects across the Thames
Basin Heaths SPA

Table 17: Example recording form for section 1

Date: Sunday 9 th June	Surveyor:	Section: 1
Transect 1: 9am Ascending	Start time: End time:	

Car park reference	Time	Total parked vehicles	Commercial vehicles (tradesman)	Vehicles with bike racks	Vehicles branded with dog walking	MPV / minibus vehicles	Total camper vans
1							
2							
3							
4							
5							
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Notes and comments