

APPENDIX L. Multi-Modal Survey Data and Analysis

BIRDWORLD TRAVEL DATA AND MODE SPLIT

Birdworld - Staff - Saturday 9 December 2023 - Mode Share

Mode	Number	% Split
Car Driver	22	91.7%
Car Passenger	0	0.0%
Active Travel	0	0.0%
Public Transport	2	8.3%
TOTAL	24	100.0%
<i>Car Driver Solo</i>	22	91.7%
<i>Car Share</i>	0	0.0%

Average Car Occupancy	1.00
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Birdworld - Staff - Saturday 9 December 2023 - Raw Data

	Postcode	Mode	Party	Passengers	Driver
1	GU9	Bus	1	n/a	n/a
2	GU35	Car	1	0	1
3	GU35	Bus	1	n/a	n/a
4	GU35	Car	1	0	1
5	GU10	Car	1	0	1
6	GU34	Car	1	0	1
7	GU35	Car	1	0	1
8	GU15	Car	1	0	1
9	GU35	Car	1	0	1
10	GU9	Car	1	0	1
11	RH13	Car	1	0	1
12	GU14	Car	1	0	1
13	KT12	Car	1	0	1
14	GU34	Car	1	0	1
15	SO16	Car	1	0	1
16	GU9	Car	1	0	1
17	GU35	Car	1	0	1
18	GU30	Car	1	0	1
19	GU30	Car	1	0	1
20	PO8	Car	1	0	1
21	GU10	Car	1	0	1
22	GU12	Car	1	0	1
23	GU9	Car	1	0	1
24	GU10	Car	1	0	1
	TOTAL		24	0	22

Birdworld - Visitors - Saturday 25 November 2023 - Mode Share

Mode	Number	% Split
Car Driver	49	28.8%
Car Passenger	121	71.2%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	170	100.0%
<i>Car Driver Solo</i>	1	0.6%
<i>Car Share</i>	169	99.4%

Average Car Occupancy	3.5
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Birdworld - Visitors - Saturday 25 November 2023 - Raw Data

	Mode	Party	Passengers	Driver
1	Car	6	5	1
2	Car	2	1	1
3	Car	2	1	1
4	Car	3	2	1
5	Car	3	2	1
6	Car	6	5	1
7	Car	2	1	1
8	Car	4	3	1
9	Car	2	1	1
10	Car	2	1	1
11	Car	3	2	1
12	Car	3	2	1
13	Car	4	3	1
14	Car	5	4	1
15	Car	4	3	1
16	Car	4	3	1
17	Car	4	3	1
18	Car	4	3	1
19	Car	1	0	1
20	Car	3	2	1
21	Car	3	2	1
22	Car	3	2	1
23	Car	3	2	1
24	Car	2	1	1
25	Car	5	4	1
26	Car	4	3	1
27	Car	3	2	1
28	Car	6	5	1
29	Car	2	1	1
30	Car	4	3	1
31	Car	5	4	1
32	Car	2	1	1
33	Car	5	4	1
34	Car	6	5	1
35	Car	3	2	1
36	Car	4	3	1
37	Car	4	3	1
38	Car	4	3	1
39	Car	3	2	1
40	Car	2	1	1
41	Car	4	3	1
42	Car	2	1	1
43	Car	3	2	1
44	Car	2	1	1
45	Car	3	2	1
46	Car	6	5	1
47	Car	4	3	1
48	Car	2	1	1
49	Car	4	3	1
	TOTAL	170	121	49

FOREST LODGE TRAVEL DATA AND MODE SPLIT

Forest Lodge - Staff - Monday 4 December 2023 - Mode Share

Mode	Number	% Split
Car Driver	27	96.4%
Car Passenger	1	3.6%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	28	100.0%
Car Driver Solo	26	92.9%
Car Share	2	7.1%

Average Car Occupancy	1.0
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Forest Lodge - Staff - Monday 4 December 2023 - Raw Data

	Postcode	Mode	Party	Passengers	Driver
1	GU34	Car	1	0	1
2	GU35	Car	1	0	1
3	GU16	Car	2	1	1
4	GU16	Car	1	0	1
5	GU30	Car	1	0	1
6	GU12	Car	1	0	1
7	GU9	Car	1	0	1
8	GU9	Car	1	0	1
9	GU35	Car	1	0	1
10	GU14	Car	1	0	1
11	PO8	Car	1	0	1
12	GU10	Car	1	0	1
13	GU35	Car	1	0	1
14	GU8	Car	1	0	1
15	GU34	Car	1	0	1
16	GU12	Car	1	0	1
17	GU9	Car	1	0	1
18	GU8	Car	1	0	1
19	GU11	Car	1	0	1
20	GU9	Car	1	0	1
21	GU35	Car	1	0	1
22	GU34	Car	1	0	1
23	GU35	Car	1	0	1
24	GU10	Car	1	0	1
25	GU34	Car	1	0	1
26	RG29	Car	1	0	1
27	GU9	Car	1	0	1
TOTAL			28	1	27

Forest Lodge - Visitors - Saturday 25 November 2023 - Mode Share

Mode	Number	% Split
Car Driver	234	46.2%
Car Passenger	273	53.8%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	507	100.0%
Car Driver Solo	60	11.8%
Car Share	447	88.2%

Average Car Occupancy	2.2
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Forest Lodge - Visitors - Saturday 25 November 2023 - Raw Data

	Mode	Party	Passengers	Driver
1	Car	2	1	1
2	Car	3	2	1
3	Car	2	1	1
4	Car	3	2	1
5	Car	2	1	1
6	Car	5	4	1
7	Car	2	1	1
8	Car	3	2	1
9	Car	2	1	1
10	Car	3	2	1
11	Car	1	0	1
12	Car	2	1	1
13	Car	3	2	1
14	Car	4	3	1
15	Car	1	0	1
16	Car	2	1	1
17	Car	3	2	1
18	Car	1	0	1
19	Car	2	1	1
20	Car	2	1	1
21	Car	2	1	1
22	Car	3	2	1
23	Car	2	1	1
24	Car	1	0	1
25	Car	3	2	1
26	Car	2	1	1
27	Car	3	2	1
28	Car	2	1	1
29	Car	2	1	1
30	Car	2	1	1
31	Car	1	0	1
32	Car	4	3	1
33	Car	2	1	1
34	Car	4	3	1
35	Car	2	1	1
36	Car	2	1	1
37	Car	2	1	1
38	Car	3	2	1
39	Car	1	0	1
40	Car	5	4	1
41	Car	1	0	1
42	Car	1	0	1
43	Car	3	2	1
44	Car	2	1	1
45	Car	2	1	1
46	Car	2	1	1
47	Car	2	1	1
48	Car	3	2	1
49	Car	1	0	1
50	Car	2	1	1
51	Car	1	0	1
52	Car	1	0	1
53	Car	1	0	1
54	Car	1	0	1
55	Car	2	1	1
56	Car	2	1	1
57	Car	2	1	1
58	Car	4	3	1
59	Car	2	1	1
60	Car	3	2	1
61	Car	1	0	1
62	Car	2	1	1
63	Car	1	0	1
64	Car	3	2	1
65	Car	2	1	1
66	Car	2	1	1
67	Car	2	1	1
68	Car	2	1	1
69	Car	4	3	1
70	Car	2	1	1
71	Car	2	1	1
72	Car	1	0	1
73	Car	2	1	1
74	Car	3	2	1
75	Car	1	0	1
76	Car	2	1	1
77	Car	1	0	1
78	Car	1	0	1
79	Car	2	1	1
80	Car	2	1	1
81	Car	2	1	1
82	Car	3	2	1
83	Car	5	4	1
84	Car	3	2	1
85	Car	1	0	1
86	Car	2	1	1
87	Car	2	1	1
88	Car	2	1	1
89	Car	3	2	1
90	Car	2	1	1
91	Car	1	0	1
92	Car	1	0	1
93	Car	4	3	1
94	Car	2	1	1
95	Car	1	0	1
96	Car	2	1	1
97	Car	1	0	1

FOREST LODGE TRAVEL DATA AND MODE SPLIT

Forest Lodge - Staff - Monday 4 December 2023 - Mode Share

Mode	Number	% Split
Car Driver	27	96.4%
Car Passenger	1	3.6%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	28	100.0%
Car Driver Solo	26	92.9%
Car Share	2	7.1%

Average Car Occupancy	1.0
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Forest Lodge - Staff - Monday 4 December 2023 - Raw Data

	Postcode	Mode	Party	Passengers	Driver
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Forest Lodge - Visitors - Saturday 25 November 2023 - Mode Share

Mode	Number	% Split
Car Driver	234	46.2%
Car Passenger	273	53.8%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	507	100.0%
Car Driver Solo	60	11.8%
Car Share	447	88.2%

Average Car Occupancy	2.2
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Forest Lodge - Visitors - Saturday 25 November 2023 - Raw Data

	Mode	Party	Passengers	Driver
98	Car	2	1	1
99	Car	2	1	1
100	Car	7	6	1
101	Car	1	0	1
102	Car	2	1	1
103	Car	3	2	1
104	Car	1	0	1
105	Car	2	1	1
106	Car	2	1	1
107	Car	4	3	1
108	Car	2	1	1
109	Car	3	2	1
110	Car	1	0	1
111	Car	2	1	1
112	Car	2	1	1
113	Car	2	1	1
114	Car	2	1	1
115	Car	2	1	1
116	Car	4	3	1
117	Car	2	1	1
118	Car	2	1	1
119	Car	1	0	1
120	Car	2	1	1
121	Car	3	2	1
122	Car	1	0	1
123	Car	2	1	1
124	Car	1	0	1
125	Car	1	0	1
126	Car	2	1	1
127	Car	2	1	1
128	Car	2	1	1
129	Car	3	2	1
130	Car	5	4	1
131	Car	3	2	1
132	Car	1	0	1
133	Car	2	1	1
134	Car	2	1	1
135	Car	2	1	1
136	Car	3	2	1
137	Car	2	1	1
138	Car	1	0	1
139	Car	1	0	1
140	Car	4	3	1
141	Car	2	1	1
142	Car	1	0	1
143	Car	2	1	1
144	Car	1	0	1
145	Car	2	1	1
146	Car	2	1	1
147	Car	7	6	1
148	Car	1	0	1
149	Car	2	1	1
150	Car	3	2	1
151	Car	1	0	1
152	Car	2	1	1
153	Car	2	1	1
154	Car	4	3	1
155	Car	2	1	1
156	Car	3	2	1
157	Car	1	0	1
158	Car	2	1	1
159	Car	2	1	1
160	Car	2	1	1
161	Car	2	1	1
162	Car	2	1	1
163	Car	4	3	1
164	Car	2	1	1
165	Car	3	2	1
166	Car	2	1	1
167	Car	1	0	1
168	Car	1	0	1
169	Car	2	1	1
170	Car	2	1	1
171	Car	1	0	1
172	Car	4	3	1
173	Car	6	5	1
174	Car	2	1	1
175	Car	2	1	1
176	Car	3	2	1
177	Car	2	1	1
178	Car	4	3	1
179	Car	3	2	1
180	Car	1	0	1
181	Car	1	0	1
182	Car	1	0	1
183	Car	1	0	1
184	Car	1	0	1
185	Car	2	1	1
186	Car	2	1	1
187	Car	3	2	1
188	Car	2	1	1
189	Car	3	2	1
190	Car	2	1	1
191	Car	1	0	1
192	Car	4	3	1
193	Car	2	1	1
194	Car	1	0	1

FOREST LODGE TRAVEL DATA AND MODE SPLIT

Forest Lodge - Staff - Monday 4 December 2023 - Mode Share

Mode	Number	% Split
Car Driver	27	96.4%
Car Passenger	1	3.6%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	28	100.0%
Car Driver Solo	26	92.9%
Car Share	2	7.1%

Average Car Occupancy	1.0
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Forest Lodge - Staff - Monday 4 December 2023 - Raw Data

	Postcode	Mode	Party	Passengers	Driver
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Forest Lodge - Visitors - Saturday 25 November 2023 - Mode Share

Mode	Number	% Split
Car Driver	234	46.2%
Car Passenger	273	53.8%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	507	100.0%
Car Driver Solo	60	11.8%
Car Share	447	88.2%

Average Car Occupancy	2.2
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Forest Lodge - Visitors - Saturday 25 November 2023 - Raw Data

	Mode	Party	Passengers	Driver
195	Car	2	1	1
196	Car	2	1	1
197	Car	3	2	1
198	Car	4	3	1
199	Car	1	0	1
200	Car	2	1	1
201	Car	2	1	1
202	Car	2	1	1
203	Car	1	0	1
204	Car	2	1	1
205	Car	2	1	1
206	Car	2	1	1
207	Car	2	1	1
208	Car	2	1	1
209	Car	2	1	1
210	Car	1	0	1
211	Car	1	0	1
212	Car	2	1	1
213	Car	1	0	1
214	Car	1	0	1
215	Car	2	1	1
216	Car	3	2	1
217	Car	2	1	1
218	Car	2	1	1
219	Car	2	1	1
220	Car	1	0	1
221	Car	1	0	1
222	Car	2	1	1
223	Car	2	1	1
224	Car	4	3	1
225	Car	1	0	1
226	Car	1	0	1
227	Car	5	4	1
228	Car	4	3	1
229	Car	2	1	1
230	Car	1	0	1
231	Car	5	4	1
232	Car	2	1	1
233	Car	2	1	1
234	Car	2	1	1
TOTAL		507	273	234

BIRDWORLD MULTI-MODAL TRIP GENERATION - EXISTING SITE

Surveyed Birdworld Traffic Generation (0700 - 1900) - Two-Way Vehicle Trips

	Total Vehicle Trips	Staff Vehicle Trips	Visitor Vehicle Trips	Servicing / Ad Hoc Vehicle Trips Assumption
Typical Weekday	188	48	110	30
Busy Saturday	484	53	401	30
Bank Holiday	710	61	619	30

Notes:

1. Total trips equivalent to survey data - Table 6.1 of TA
2. Servicing / ad-hoc trips assumption based on typical deliveries and an allowance for couriers, post, maintenance vehicles etc.
3. Staff and visitor vehicle trips calculated from modal split data and proportions of people on-site - see below tables.
4. Staff and visitor vehicle trips have been rounded to whole numbers.

Proportion of Daily People On-Site

	Staff	Visitors
Typical Weekday	12%	88%
Busy Saturday	4%	96%
Bank Holiday	3%	97%

Source: Haskins

Proportion of Daily Staff/Visitor Vehicles On-Site

	Staff	Visitors
Typical Weekday	30%	70%
Busy Saturday	12%	88%
Bank Holiday	9%	91%

Source: Consultant's calculations based on car driver mode split for staff and visitors

Typical Weekday - Staff Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	48	91.7%
Car Passenger	0	0.0%
Active Travel	0	0.0%
Public Transport	4	8.3%
TOTAL	52	100.0%
<i>Car Driver Solo</i>	48	91.7%
<i>Car Share</i>	0	0.0%

Notes:

1. Car driver equivalent to staff vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Typical Weekday - Visitor Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	110	28.8%
Car Passenger	272	71.2%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	382	100.0%
<i>Car Driver Solo</i>	2	0.6%
<i>Car Share</i>	379	99.4%

Notes:

1. Car driver equivalent to visitor vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Typical Weekday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	48	110	158
Car Passenger	0	272	272
Active Travel	0	0	0
Public Transport	4	0	4
TOTAL	52	382	434
<i>Car Driver Solo</i>	48	2	50
<i>Car Share</i>	0	379	379

Busy Saturday - Staff Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	53	91.7%
Car Passenger	0	0.0%
Active Travel	0	0.0%
Public Transport	5	8.3%
TOTAL	58	100.0%
<i>Car Driver Solo</i>	53	91.7%
<i>Car Share</i>	0	0.0%

Notes:

1. Car driver equivalent to staff vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Busy Saturday - Visitor Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	401	28.8%
Car Passenger	990	71.2%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	1,391	100.0%
<i>Car Driver Solo</i>	8	0.6%
<i>Car Share</i>	1,383	99.4%

Notes:

1. Car driver equivalent to visitor vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Busy Saturday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	53	401	454
Car Passenger	0	990	990
Active Travel	0	0	0
Public Transport	5	0	5
TOTAL	58	1,391	1,449
<i>Car Driver Solo</i>	53	8	61
<i>Car Share</i>	0	1,383	1,383

Bank Holiday - Staff Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	61	91.7%
Car Passenger	0	0.0%
Active Travel	0	0.0%
Public Transport	6	8.3%
TOTAL	67	100.0%
<i>Car Driver Solo</i>	61	91.7%
<i>Car Share</i>	0	0.0%

Notes:

1. Car driver equivalent to staff vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Bank Holiday - Visitor Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	619	28.8%
Car Passenger	1,529	71.2%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	2,148	100.0%
<i>Car Driver Solo</i>	13	0.6%
<i>Car Share</i>	2,135	99.4%

Notes:

1. Car driver equivalent to visitor vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Bank Holiday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	61	619	680
Car Passenger	0	1,529	1,529
Active Travel	0	0	0
Public Transport	6	0	6
TOTAL	67	2,148	2,215
<i>Car Driver Solo</i>	61	13	74
<i>Car Share</i>	0	2,135	2,135

BIRDWORLD MULTI-MODAL TRIP GENERATION - PROPOSED DEVELOPMENT

Proposed Birdworld Traffic Generation (0700 - 1900) - Two-Way Vehicle Trips

	Total Vehicle Trips	Staff Vehicle Trips	Visitor Vehicle Trips	Servicing / Ad Hoc Vehicle Trips Assumption
Typical Weekday	402	113	259	30
Busy Saturday	1,036	118	888	30
Bank Holiday	1,519	133	1,356	30

Notes:

1. Total trips equivalent to traffic generation - Table 6.3 of TA
2. Servicing / ad-hoc trips assumption based on typical deliveries and an allowance for couriers, post, maintenance vehicles etc.
3. Staff and visitor vehicle trips calculated from modal split data and proportions of people on-site - see below tables.
4. Staff and visitor vehicle trips have been rounded to whole numbers.

Proportion of Daily People On-Site

	Staff	Visitors
Typical Weekday	12%	88%
Busy Saturday	4%	96%
Bank Holiday	3%	97%

Source: Haskins

Proportion of Daily Staff/Visitor Vehicles On-Site

	Staff	Visitors
Typical Weekday	30%	70%
Busy Saturday	12%	88%
Bank Holiday	9%	91%

Source: Consultant's calculations based on car driver mode split for staff and visitors

Typical Weekday - Staff Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	113	91.7%
Car Passenger	0	0.0%
Active Travel	0	0.0%
Public Transport	10	8.3%
TOTAL	123	100.0%
<i>Car Driver Solo</i>	<i>113</i>	<i>91.7%</i>
<i>Car Share</i>	<i>0</i>	<i>0.0%</i>

Notes:

1. Car driver equivalent to staff vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Typical Weekday - Visitor Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	259	28.8%
Car Passenger	640	71.2%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	899	100.0%
<i>Car Driver Solo</i>	<i>5</i>	<i>0.6%</i>
<i>Car Share</i>	<i>893</i>	<i>99.4%</i>

Notes:

1. Car driver equivalent to visitor vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Typical Weekday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	113	259	372
Car Passenger	0	640	640
Active Travel	0	0	0
Public Transport	10	0	10
TOTAL	123	899	1,022
<i>Car Driver Solo</i>	<i>113</i>	<i>5</i>	<i>118</i>
<i>Car Share</i>	<i>0</i>	<i>893</i>	<i>893</i>

Busy Saturday - Staff Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	118	91.7%
Car Passenger	0	0.0%
Active Travel	0	0.0%
Public Transport	11	8.3%
TOTAL	129	100.0%
<i>Car Driver Solo</i>	<i>118</i>	<i>91.7%</i>
<i>Car Share</i>	<i>0</i>	<i>0.0%</i>

Notes:

1. Car driver equivalent to staff vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Busy Saturday - Visitor Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	888	28.8%
Car Passenger	2,193	71.2%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	3,081	100.0%
<i>Car Driver Solo</i>	<i>18</i>	<i>0.6%</i>
<i>Car Share</i>	<i>3,063</i>	<i>99.4%</i>

Notes:

1. Car driver equivalent to visitor vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Busy Saturday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	118	888	1,006
Car Passenger	0	2,193	2,193
Active Travel	0	0	0
Public Transport	11	0	11
TOTAL	129	3,081	3,210
<i>Car Driver Solo</i>	<i>118</i>	<i>18</i>	<i>136</i>
<i>Car Share</i>	<i>0</i>	<i>3,063</i>	<i>3,063</i>

Bank Holiday - Staff Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	133	91.7%
Car Passenger	0	0.0%
Active Travel	0	0.0%
Public Transport	12	8.3%
TOTAL	145	100.0%
<i>Car Driver Solo</i>	<i>133</i>	<i>91.7%</i>
<i>Car Share</i>	<i>0</i>	<i>0.0%</i>

Notes:

1. Car driver equivalent to staff vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Bank Holiday - Visitor Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	1,356	28.8%
Car Passenger	3,348	71.2%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	4,704	100.0%
<i>Car Driver Solo</i>	<i>28</i>	<i>0.6%</i>
<i>Car Share</i>	<i>4,677</i>	<i>99.4%</i>

Notes:

1. Car driver equivalent to visitor vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Bank Holiday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	133	1,356	1,489
Car Passenger	0	3,348	3,348
Active Travel	0	0	0
Public Transport	12	0	12
TOTAL	145	4,704	4,849
<i>Car Driver Solo</i>	<i>133</i>	<i>28</i>	<i>161</i>
<i>Car Share</i>	<i>0</i>	<i>4,677</i>	<i>4,677</i>

FOREST LODGE MULTI-MODAL TRIP GENERATION - EXISTING SITE

Surveyed Forest Lodge Traffic Generation (0700 - 1900) - Two-Way Vehicle Trips

	Total Vehicle Trips	Staff Vehicle Trips	Visitor Vehicle Trips	Servicing / Ad Hoc Vehicle Trips Assumption
Typical Weekday	1,151	68	1,048	35
Busy Saturday	1,706	68	1,603	35
Bank Holiday	1,867	75	1,757	35

Notes:

1. Total trips equivalent to traffic generation - Table 6.2 of TA
2. Servicing / ad-hoc trips assumption based on typical deliveries and an allowance for couriers, post, maintenance vehicles etc.
3. Staff and visitor vehicle trips calculated from modal split data and proportions of people on-site - see below tables.
4. Staff and visitor vehicle trips have been rounded to whole numbers.

Proportion of Daily People On-Site

	Staff	Visitors
Typical Weekday	3%	97%
Busy Saturday	2%	98%
Bank Holiday	2%	98%

Source: Haskins

Proportion of Daily Staff/Visitor Vehicles On-Site

	Staff	Visitors
Typical Weekday	6%	94%
Busy Saturday	4%	96%
Bank Holiday	4%	96%

Source: Consultant's calculations based on car driver mode split for staff and visitors

Typical Weekday - Staff Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	68	96.4%
Car Passenger	3	3.6%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	71	100.0%
<i>Car Driver Solo</i>	65	92.9%
<i>Car Share</i>	5	7.1%

Notes:

1. Car driver equivalent to staff vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Busy Saturday - Staff Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	68	96.4%
Car Passenger	3	3.6%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	71	100.0%
<i>Car Driver Solo</i>	65	92.9%
<i>Car Share</i>	5	7.1%

Notes:

1. Car driver equivalent to staff vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Bank Holiday - Staff Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	75	96.4%
Car Passenger	3	3.6%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	78	100.0%
<i>Car Driver Solo</i>	72	92.9%
<i>Car Share</i>	6	7.1%

Notes:

1. Car driver equivalent to staff vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Typical Weekday - Visitor Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	1,048	46.2%
Car Passenger	1,223	53.8%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	2,271	100.0%
<i>Car Driver Solo</i>	269	11.8%
<i>Car Share</i>	2,002	88.2%

Notes:

1. Car driver equivalent to visitor vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Busy Saturday - Visitor Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	1,603	46.2%
Car Passenger	1,870	53.8%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	3,473	100.0%
<i>Car Driver Solo</i>	411	11.8%
<i>Car Share</i>	3,062	88.2%

Notes:

1. Car driver equivalent to visitor vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Bank Holiday - Visitor Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	1,757	46.2%
Car Passenger	2,050	53.8%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	3,807	100.0%
<i>Car Driver Solo</i>	451	11.8%
<i>Car Share</i>	3,356	88.2%

Notes:

1. Car driver equivalent to visitor vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Typical Weekday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	68	1,048	1,116
Car Passenger	3	1,223	1,226
Active Travel	0	0	0
Public Transport	0	0	0
TOTAL	71	2,271	2,342
<i>Car Driver Solo</i>	65	269	334
<i>Car Share</i>	5	2,002	2,007

Busy Saturday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	68	1,603	1,671
Car Passenger	3	1,870	1,873
Active Travel	0	0	0
Public Transport	0	0	0
TOTAL	71	3,473	3,544
<i>Car Driver Solo</i>	65	411	476
<i>Car Share</i>	5	3,062	3,067

Bank Holiday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	75	1,757	1,832
Car Passenger	3	2,050	2,053
Active Travel	0	0	0
Public Transport	0	0	0
TOTAL	78	3,807	3,885
<i>Car Driver Solo</i>	72	451	523
<i>Car Share</i>	6	3,356	3,362

FOREST LODGE MULTI-MODAL TRIP GENERATION - PROPOSED DEVELOPMENT

Proposed Forest Lodge Traffic Generation (0700 - 1900) - Two-Way Vehicle Trips

	Total Vehicle Trips	Staff Vehicle Trips	Visitor Vehicle Trips	Servicing / Ad Hoc Vehicle Trips Assumption
Typical Weekday	2,049	122	1,892	35
Busy Saturday	3,037	123	2,879	35
Bank Holiday	3,324	135	3,154	35

Notes:

1. Total trips equivalent to traffic generation - Table 6.4 of TA
2. Servicing / ad-hoc trips assumption based on typical deliveries and an allowance for couriers, post, maintenance vehicles etc.
3. Staff and visitor vehicle trips calculated from modal split data and proportions of people on-site - see below tables.
4. Staff and visitor vehicle trips have been rounded to whole numbers.

Proportion of Daily People On-Site

	Staff	Visitors
Typical Weekday	3%	97%
Busy Saturday	2%	98%
Bank Holiday	2%	98%

Source: Haskins

Proportion of Daily Staff/Visitor Vehicles On-Site

	Staff	Visitors
Typical Weekday	6%	94%
Busy Saturday	4%	96%
Bank Holiday	4%	96%

Source: Consultant's calculations based on car driver mode split for staff and visitors

Typical Weekday - Staff Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	122	96.4%
Car Passenger	5	3.6%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	127	100.0%
<i>Car Driver Solo</i>	117	92.9%
<i>Car Share</i>	9	7.1%

Notes:

1. Car driver equivalent to staff vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Busy Saturday - Staff Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	123	96.4%
Car Passenger	5	3.6%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	128	100.0%
<i>Car Driver Solo</i>	118	92.9%
<i>Car Share</i>	9	7.1%

Notes:

1. Car driver equivalent to staff vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Bank Holiday - Staff Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	135	96.4%
Car Passenger	5	3.6%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	140	100.0%
<i>Car Driver Solo</i>	130	92.9%
<i>Car Share</i>	10	7.1%

Notes:

1. Car driver equivalent to staff vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Typical Weekday - Visitor Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	1,892	46.2%
Car Passenger	2,207	53.8%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	4,099	100.0%
<i>Car Driver Solo</i>	485	11.8%
<i>Car Share</i>	3,614	88.2%

Notes:

1. Car driver equivalent to visitor vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Busy Saturday - Visitor Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	2,879	46.2%
Car Passenger	3,359	53.8%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	6,238	100.0%
<i>Car Driver Solo</i>	738	11.8%
<i>Car Share</i>	5,500	88.2%

Notes:

1. Car driver equivalent to visitor vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Bank Holiday - Visitor Two-Way Trips by Mode (0700 - 1900)

Mode	Number	% Split
Car Driver	3,154	46.2%
Car Passenger	3,680	53.8%
Active Travel	0	0.0%
Public Transport	0	0.0%
TOTAL	6,834	100.0%
<i>Car Driver Solo</i>	809	11.8%
<i>Car Share</i>	6,025	88.2%

Notes:

1. Car driver equivalent to visitor vehicle trips.
2. Other modes calculated on a pro-rata basis based on mode split.

Typical Weekday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	122	1,892	2,014
Car Passenger	5	2,207	2,212
Active Travel	0	0	0
Public Transport	0	0	0
TOTAL	127	4,099	4,226
<i>Car Driver Solo</i>	117	485	602
<i>Car Share</i>	9	3,614	3,623

Busy Saturday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	123	2,879	3,002
Car Passenger	5	3,359	3,364
Active Travel	0	0	0
Public Transport	0	0	0
TOTAL	128	6,238	6,366
<i>Car Driver Solo</i>	118	738	856
<i>Car Share</i>	9	5,500	5,509

Bank Holiday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	135	3,154	3,289
Car Passenger	5	3,680	3,685
Active Travel	0	0	0
Public Transport	0	0	0
TOTAL	140	6,834	6,974
<i>Car Driver Solo</i>	130	809	939
<i>Car Share</i>	10	6,025	6,035

TOTAL MULTI-MODAL TRIP GENERATION - EXISTING SITE

BIRDWORLD

Typical Weekday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	48	110	158
Car Passenger	0	272	272
Active Travel	0	0	0
Public Transport	4	0	4
TOTAL	52	382	434
<i>Car Driver Solo</i>	48	2	50
<i>Car Share</i>	0	379	379

Busy Saturday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	53	401	454
Car Passenger	0	990	990
Active Travel	0	0	0
Public Transport	5	0	5
TOTAL	58	1,391	1,449
<i>Car Driver Solo</i>	53	8	61
<i>Car Share</i>	0	1,383	1,383

Bank Holiday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	61	619	680
Car Passenger	0	1,529	1,529
Active Travel	0	0	0
Public Transport	6	0	6
TOTAL	67	2,148	2,215
<i>Car Driver Solo</i>	61	13	74
<i>Car Share</i>	0	2,135	2,135

FOREST LODGE

Typical Weekday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	68	1,048	1,116
Car Passenger	3	1,223	1,226
Active Travel	0	0	0
Public Transport	0	0	0
TOTAL	71	2,271	2,342
<i>Car Driver Solo</i>	65	269	334
<i>Car Share</i>	5	2,002	2,007

Busy Saturday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	68	1,603	1,671
Car Passenger	3	1,870	1,873
Active Travel	0	0	0
Public Transport	0	0	0
TOTAL	71	3,473	3,544
<i>Car Driver Solo</i>	65	411	476
<i>Car Share</i>	5	3,062	3,067

Bank Holiday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	75	1,757	1,832
Car Passenger	3	2,050	2,053
Active Travel	0	0	0
Public Transport	0	0	0
TOTAL	78	3,807	3,885
<i>Car Driver Solo</i>	72	451	523
<i>Car Share</i>	6	3,356	3,362

TOTAL

Typical Weekday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	116	1,158	1,274
Car Passenger	3	1,495	1,498
Active Travel	0	0	0
Public Transport	4	0	4
TOTAL	123	2,653	2,776
<i>Car Driver Solo</i>	113	271	384
<i>Car Share</i>	5	2,381	2,386

Busy Saturday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	121	2,004	2,125
Car Passenger	3	2,860	2,863
Active Travel	0	0	0
Public Transport	5	0	5
TOTAL	129	4,864	4,993
<i>Car Driver Solo</i>	118	419	537
<i>Car Share</i>	5	4,445	4,450

Bank Holiday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	136	2,376	2,512
Car Passenger	3	3,579	3,582
Active Travel	0	0	0
Public Transport	6	0	6
TOTAL	145	5,955	6,100
<i>Car Driver Solo</i>	133	464	597
<i>Car Share</i>	6	5,491	5,497

TOTAL MULTI-MODAL TRIP GENERATION - PROPOSED DEVELOPMENT

BIRDWORLD

Typical Weekday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	113	259	372
Car Passenger	0	640	640
Active Travel	0	0	0
Public Transport	10	0	10
TOTAL	123	899	1,022
<i>Car Driver Solo</i>	113	5	118
<i>Car Share</i>	0	893	893

Busy Saturday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	118	888	1,006
Car Passenger	0	2,193	2,193
Active Travel	0	0	0
Public Transport	11	0	11
TOTAL	129	3,081	3,210
<i>Car Driver Solo</i>	118	18	136
<i>Car Share</i>	0	3,063	3,063

Bank Holiday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	133	1,356	1,489
Car Passenger	0	3,348	3,348
Active Travel	0	0	0
Public Transport	12	0	12
TOTAL	145	4,704	4,849
<i>Car Driver Solo</i>	133	28	161
<i>Car Share</i>	0	4,677	4,677

FOREST LODGE

Typical Weekday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	122	1,892	2,014
Car Passenger	5	2,207	2,212
Active Travel	0	0	0
Public Transport	0	0	0
TOTAL	127	4,099	4,226
<i>Car Driver Solo</i>	117	485	602
<i>Car Share</i>	9	3,614	3,623

Busy Saturday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	123	2,879	3,002
Car Passenger	5	3,359	3,364
Active Travel	0	0	0
Public Transport	0	0	0
TOTAL	128	6,238	6,366
<i>Car Driver Solo</i>	118	738	856
<i>Car Share</i>	9	5,500	5,509

Bank Holiday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	135	3,154	3,289
Car Passenger	5	3,680	3,685
Active Travel	0	0	0
Public Transport	0	0	0
TOTAL	140	6,834	6,974
<i>Car Driver Solo</i>	130	809	939
<i>Car Share</i>	10	6,025	6,035

TOTAL

Typical Weekday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	235	2,151	2,386
Car Passenger	5	2,847	2,852
Active Travel	0	0	0
Public Transport	10	0	10
TOTAL	250	4,998	5,248
<i>Car Driver Solo</i>	230	490	720
<i>Car Share</i>	9	4,507	4,516

Busy Saturday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	241	3,767	4,008
Car Passenger	5	5,552	5,557
Active Travel	0	0	0
Public Transport	11	0	11
TOTAL	257	9,319	9,576
<i>Car Driver Solo</i>	236	756	992
<i>Car Share</i>	9	8,563	8,572

Bank Holiday - TOTAL Two-Way Trips by Mode (0700 - 1900)

Mode	Staff	Visitor	Total
Car Driver	268	4,510	4,778
Car Passenger	5	7,028	7,033
Active Travel	0	0	0
Public Transport	12	0	12
TOTAL	285	11,538	11,823
<i>Car Driver Solo</i>	263	837	1,100
<i>Car Share</i>	10	10,702	10,712