



Memorandum

To: National Park Service
Northeast Region
Boston, Mass.

Date: August 20, 2014
Revised October 30, 2014

Project No.: 33281.07

From: Vanasse Hangen Brustlin, Inc.

Re: Acadia National Park
Transportation Data Collection
Persons-per-vehicle (PPV)

Attached are data collected regarding the number of persons per vehicle at locations in Acadia National Park. The data were collected by VHB during the August 5-11, 2014 and September 25-26, 2014 site visit at the following five parking locations.

1. Visitor Center
2. Sand Beach
3. Jordan Pond House
4. Cadillac Mountain summit
5. Sieur de Monts

Persons-per-vehicle (PPV) represents the average number of persons traveling in each vehicle. To calculate the PPV, VHB staff observed a sample of 100 vehicles at each location and recorded the number of persons traveling in each vehicle. The results are summarized below.

Location	Persons per Vehicle
Visitor Center	2.4
Sand Beach*	2.8
Jordan Pond	2.7
Cadillac Mountain	2.9
Sieur de Monts	2.1
Average	2.6

* Sand Beach parking is used by hikers and beachgoers. The PPV was the same for each.

NOTE: Sieur de Monts observations conducted in September. Observations at other locations were conducted in August.

Of note is that the average PPV of 2.6 is somewhat less than that used to calculate visitation at the park. As noted in the Public Use Counting and Reporting Instructions, the PPV (recreational visits) assumed for the months of May through October is 3.0.

**PERSONS PER VEHICLE
VISITOR CENTER PARKING LOT**

Sample #	Car	RV	PPV
1	X		3
2	X		2
3	X		2
4	X		3
5	X		2
6	X		2
7	X		2
8	X		2
9	X		3
10	X		1
11	X		5
12	X		1
13	X		2
14	X		3
15	X		4
16	X		3
17	X		2
18	X		2
19	X		3
20	X		2
21	X		2
22	X		2
23	X		2
24	X		2
25	X		2
26	X		4
27	X		2
28		X	2
29	X		1
30	X		4
31	X		2
32	X		3
33	X		2
34		X	2
35	X		1
36	X		3
37	X		2
38	X		3
39	X		3
40	X		2
41	X		2
42	X		2
43		X	5
44	X		2
45	X		4
46	X		2
47	X		3
48	X		3
49	X		3
50	X		4

Sample #	Car	RV	PPV
51	X		2
52	X		2
53	X		2
54	X		1
55	X		3
56	X		4
57	X		1
58	X		2
59	X		2
60	X		2
61	X		2
62	X		1
63	X		3
64	X		2
65	X		1
66	X		5
67	X		2
68	X		4
69		X	3
70	X		6
71	X		2
72	X		2
73	X		2
74	X		2
75	X		3
76	X		2
77	X		4
78	X		2
79	X		2
80	X		3
81	X		2
82	X		3
83	X		3
84	X		3
85		X	2
86	X		2
87	X		2
88	X		2
89	X		2
90	X		2
91	X		2
92	X		3
93	X		2
94	X		1
95	X		2
96	X		4
97	X		2
98	X		2
99	X		2
100	X		2

Average PPV 2.44

Dates: Sunday, August 10, 2014 Monday, August 11, 2014

Weather: Sunny, warm

**PERSONS PER VEHICLE
SAND BEACH PARKING LOT**

Sample #	Car	RV	PPV	Use
1	X		4	Beachgoer
2	X		3	Beachgoer
3	X		4	Beachgoer
4	X		2	Hiker
5	X		2	Hiker
6	X		4	Hiker
7	X		4	Beachgoer
8	X		2	Beachgoer
9	X		4	Hiker
10	X		3	Hiker
11	X		2	Beachgoer
12	X		2	Beachgoer
13	X		2	Beachgoer
14	X		2	Beachgoer
15	X		2	Hiker
16	X		3	Hiker
17	X		3	Beachgoer
18	X		4	Beachgoer
19	X		4	Beachgoer
20	X		2	Beachgoer
21	X		2	Beachgoer
22	X		3	Beachgoer
23	X		4	Hiker
24	X		2	Hiker
25	X		1	Beachgoer
26	X		7	Beachgoer
27	X		3	Hiker
28	X		7	Hiker
29	X		2	Beachgoer
30	X		2	Beachgoer
31	X		3	Hiker
32	X		3	Beachgoer
33	X		4	Beachgoer
34	X		2	Hiker
35	X		2	Hiker
36	X		2	Hiker
37	X		2	Beachgoer
38	X		2	Beachgoer
39	X		1	Beachgoer
40	X		3	Hiker
41	X		3	Hiker
42	X		4	Hiker
43	X		2	Beachgoer
44	X		3	Beachgoer
45	X		2	Hiker
46	X		2	Beachgoer
47	X		3	Beachgoer
48	X		1	Beachgoer
49	X		3	Hiker
50	X		2	Beachgoer

Sample #	Car	RV	PPV	Use
51	X		4	Beachgoer
52	X		6	Hiker
53	X		2	Beachgoer
54	X		2	Beachgoer
55	X		4	Beachgoer
56	X		2	Hiker
57	X		3	Beachgoer
58	X		2	Hiker
59	X		2	Beachgoer
60	X		3	Beachgoer
61	X		2	Beachgoer
62	X		2	Beachgoer
63	X		2	Hiker
64	X		3	Beachgoer
65	X		2	Hiker
66	X		3	Beachgoer
67	X		2	Hiker
68	X		2	Hiker
69	X		2	Hiker
70	X		3	Hiker
71	X		2	Beachgoer
72	X		4	Beachgoer
73	X		1	Hiker
74	X		2	Beachgoer
75	X		2	Hiker
76	X		5	Hiker
77	X		3	Hiker
78	X		5	Hiker
79	X		2	Hiker
80	X		2	Hiker
81	X		4	Beachgoer
82	X		2	Beachgoer
83	X		2	Hiker
84	X		4	Beachgoer
85	X		4	Hiker
86	X		3	Beachgoer
87	X		2	Beachgoer
88	X		2	Hiker
89	X		2	Hiker
90	X		4	Beachgoer
91	X		2	Beachgoer
92	X		2	Beachgoer
93	X		4	Beachgoer
94	X		1	Hiker
95	X		2	Beachgoer
96	X		4	Hiker
97	X		6	Beachgoer
98	X		2	Beachgoer
99	X		3	Beachgoer
100	X		3	Beachgoer

Dates: Friday, August 08, 2014 Saturday, August 09, 2014
Weather: Sunny, warm

Average PPV 2.79
PPV for Hikers 2.82
PPV for Beachgoers 2.78

**PERSONS PER VEHICLE
JORDAN POND HOUSE PARKING LOT**

Sample #	Car	RV	PPV
1	X		2
2	X		2
3	X		2
4	X		4
5	X		2
6	X		7
7	X		2
8	X		4
9	X		2
10	X		2
11	X		2
12	X		2
13	X		2
14	X		2
15	X		4
16	X		1
17	X		2
18	X		2
19	X		2
20	X		2
21	X		2
22	X		4
23	X		2
24	X		4
25	X		2
26	X		4
27	X		4
28	X		4
29	X		2
30	X		2
31	X		2
32	X		3
33	X		2
34	X		2
35	X		2
36	X		3
37	X		2
38	X		2
39	X		2
40	X		2
41	X		4
42	X		2
43	X		2
44	X		2
45	X		3
46	X		2
47	X		2
48	X		4
49	X		4
50	X		2

Sample #	Car	RV	PPV
51	X		3
52	X		2
53	X		2
54	X		2
55	X		5
56	X		2
57	X		5
58	X		2
59	X		2
60	X		2
61	X		2
62	X		3
63	X		4
64	X		2
65	X		2
66	X		4
67	X		2
68	X		2
69	X		4
70	X		4
71	X		6
72	X		2
73	X		2
74	X		2
75	X		2
76	X		2
77	X		5
78	X		2
79	X		2
80	X		2
81	X		2
82	X		4
83	X		2
84	X		2
85	X		2
86	X		3
87	X		5
88	X		2
89	X		3
90	X		2
91	X		2
92	X		2
93	X		4
94	X		2
95	X		4
96	X		4
97	X		4
98	X		4
99	X		3
100	X		3

Average PPV 2.71

Date: Sunday, August 10, 2014

Weather: Sunny, warm

**PERSONS PER VEHICLE
CADILLAC MOUNTAIN SUMMIT**

Sample #	Car	RV	PPV
1	X		2
2	X		2
3	X		1
4	X		4
5	X		2
6	X		5
7	X		2
8	X		4
9	X		4
10	X		3
11		X	2
12	X		3
13	X		2
14	X		2
15	X		2
16	X		2
17	X		2
18	X		3
19	X		7
20	X		2
21	X		2
22	X		4
23	X		4
24	X		2
25	X		2
26	X		3
27	X		4
28		X	6
29	X		2
30	X		2
31	X		2
32	X		4
33	X		2
34	X		4
35	X		4
36	X		2
37	X		2
38	X		3
39	X		5
40	X		4
41	X		2
42	X		2
43	X		4
44	X		2
45	X		2
46	X		3
47	X		3
48	X		2
49	X		3
50	X		5

Sample #	Car	RV	PPV
51	X		2
52	X		4
53	X		4
54	X		4
55	X		3
56	X		4
57	X		2
58	X		3
59	X		4
60	X		2
61	X		2
62	X		2
63	X		2
64	X		1
65	X		1
66	X		4
67	X		2
68	X		2
69	X		2
70	X		2
71		X	5
72	X		3
73	X		4
74	X		2
75	X		2
76	X		2
77	X		4
78	X		2
79	X		4
80	X		2
81	X		2
82	X		3
83	X		4
84	X		4
85	X		2
86	X		2
87	X		6
88	X		2
89	X		5
90	X		2
91	X		5
92	X		4
93	X		2
94	X		2
95	X		2
96	X		2
97	X		3
98	X		4
99	X		3
100	X		4

Average PPV 2.92

Date: Monday, August 11, 2014

Weather: Sunny, warm

**PERSONS PER VEHICLE
SIEUR DE MONTS**

Sample #	Car	RV	PPV
1	X		2
2	X		2
3	X		2
4	X		2
5	X		2
6	X		2
7	X		4
8	X		2
9	X		4
10	X		2
11	X		2
12	X		2
13	X		4
14	X		2
15	X		2
16	X		2
17	X		2
18	X		1
19	X		2
20	X		2
21	X		2
22	X		2
23	X		4
24	X		1
25	X		2
26	X		2
27	X		2
28	X		2
29	X		2
30	X		4
31	X		2
32	X		2
33	X		2
34	X		2
35	X		1
36	X		2
37	X		2
38	X		4
39	X		2
40	X		2
41	X		2
42	X		2
43	X		2
44	X		1
45	X		2
46	X		2
47	X		2
48	X		2
49	X		2
50	X		2

Sample #	Car	RV	PPV
51	X		2
52	X		2
53	X		2
54	X		2
55	X		2
56	X		1
57	X		2
58	X		3
59	X		4
60	X		2
61	X		2
62	X		2
63	X		2
64	X		2
65	X		2
66	X		2
67	X		2
68	X		2
69	X		2
70	X		3
71	X		2
72	X		2
73	X		2
74	X		1
75	X		2
76	X		4
77	X		2
78	X		2
79	X		1
80	X		1
81	X		2
82	X		2
83	X		2
84	X		2
85	X		2
86	X		4
87	X		2
88	X		2
89	X		2
90	X		2
91	X		2
92	X		2
93	X		2
94	X		2
95	X		2
96	X		2
97	X		2
98	X		4
99	X		1
100	X		2

Average PPV 2.1

Date: Friday, September 26, 2014

Weather: Sunny, warm