

### Summary of Fruit Bat Observations November-December 2009

Date	Start Time	End Time	Location	No of Bats	Flight Direction	Flight Path Width (m)	Comments
10/11/2009	20:05	20:18	61 Woronora Pde Oatley West	51	north	60	Bats from Kareela Camp, a few landed locally to feed on Brush Box in Woronora Pde
11/11/2009	20:04	20:18	61 Woronora Pde Oatley West	64	north	70	Bats from Kareela Camp, a few landed locally to feed on Brush Box in Woronora Pde
12/11/2009	20:07	20:20	92 Pitt St Mortdale	20	north	60	approx 35 bats landed in and near Myles Dunphy Reserve, feeding on Sydney Red Gum
14/11/2009	20:03	20:16	24 Mimosa St Oatley	167	north	80	poor visibility, dark clouds, count abandoned
15/11/2009	19:50	20:05	39 Algernon St Oatley	21+	north	80	bats came out of valley east of Kareela around spur at north end of Kareela, count interrupted by woman
16/11/2009	19:59	20:13	39 Algernon St Oatley	156	north	80	8 bats landed locally to feed on Sydney Red Gum, 11 turned west towards Peakhurst
17/11/2009	20:00	20:15	82 Georges River Cres Oyster Bay	150+	northwest	80	10 bats landed locally to feed on Sydney Red Gum & Tallowood
18/11/2009	20:07	20:21	92 Pitt St Mortdale	122	north		
19/11/2009	20:03	20:16	92 Pitt St Mortdale	130	north		
21/11/2009	21:02	21:02	76 Hillcrest Ave Hurstville Grove	2	east		
24/11/2009	22:25	23:50	48 George St Mortdale	4			feeding on Red Bottlebrush
25/11/2009	21:01	23:30	48 George St Mortdale	6			feeding on Red Bottlebrush
26/11/2009	21:05	23:35	48 George St Mortdale	3			feeding on Red Bottlebrush
18/12/2009	20:20	20:34	61 Woronora Pde Oatley West	116	north		90 5 bats landed locally in backyards
21/12/2009	20:26	20:32	64 Woronora Pde Oatley West	37	north		80 7 bats peeled off to northwest

### Summary of Fruit Bat Observations January-February 2010

Date	Start Time	End Time	Location	Bats	Flight Direction	Flight Path Width (m)	Comments
8/01/2010	20:40	20:53	48 George St Mortdale	21	north	80	flew low to north
8/02/2010	14:05	31	Miyall St Oatley West	1			dead on powerlines
8/02/2010	20:24	20:36	48 George St Mortdale	63	north	80	from Kareela, most flying low to land in Mortdale
9/02/2010	20:26	20:30	13 Greenacre Rd Sth Hurstville	11	north	70	flying low
15/02/2010	20:20	20:27	48 George St Mortdale	26	north	70	most flying low to land in Mortdale
22/02/2010	21:15		Boundary Rd railway bridge	4			in Fig Tree 50 m south of bridge
27/02/2010	20:01	20:14	73 Mulga St Oatley West	110	north	140	two flight paths, approx 70 from new camp at Myles Dunphy
28/02/2010	21:10	50	George St Mortdale	3			feeding in Melaleucas flying north over MD Reserve-most from Kareela?, car headlights coming up Mulga Rd made it difficult to see main flight path from
7/03/2010	19:50	20:06	73 Mulga St Oatley West	72+	north	90	new MD camp
9/03/2010	11:15		MD Reserve, in Melaleucas	31+			roosting
9/03/2010	19:48	20:10	Boongara Reserve	218	north	80	fly-out count, virtually all from MD camp
10/03/2010	7:50		MD Reserve, lower track	20+			roosting
13/03/2010	19:38	17:57	MD Reserve, upper Bowling Green	319	north	100	fly-out count, approx 40 from Kareela, remainder from MD
15/03/2010	19:36	19:57	MD Reserve, upper Bowling Green	524	north	100	fly-out count, approx 40 from Kareela, remainder from MD
16/03/2010	8:30		MD Reserve, lower track	100+			east end of camp has increased in size
17/03/2010	19:50	20:00	Padstow TAFE-northern end	8	north	70	
19/03/2010	19:30	19:54	MD Reserve-upper bowling green	554	north	100	approx 30 from Kareela
20/03/2010	19:33	19:55	4 Woronora Pde Oatley West	178	north	80	
21/03/2010	19:25	19:54	MD Reserve-upper bowling green	284+	north	100	arrived late, fly-out already in progress
22/03/2010	19:29	19:44	24 Mimosa St Oatley	48	south	19	south from MD camp, 29 north from Kareela
23/03/2010	19:24	19:53	MD Reserve-upper bowling green	651	north	100	fly-out count
24/03/2010	19:46		Padstow TAFE-northern end	1	south		in flowering Crepe Myrtle in backyard; observation the following morning revealed that leaves have been eaten
25/03/2010	21:05	21:50	44 George St Mortdale	3			
25/03/2010	19:22	19:49	MD Reserve-upper bowling green	1059	north	100	approx 20 flew east, approx 30 flew north north west
26/03/2010	19:21	19:49	MD Reserve-upper bowling green	1049+	north	100	50+ flew northeast, approx 30 flew north north west; northeast ones passed behind me and were difficult to count-this is only a minimum estimate

in flowering Crepe Myrtle in backyard; observation the following morning revealed that more leaves have been eaten overcast & raining, poor visibility: many bats remained within the 80 reserve and could be heard calling-count very incomplete camp has expanded slightly to east, reaching its maximum area

26/03/2010	21:10	44 George St Mortdale	4	mainly north
29/03/2010	19:08	MD Reserve-upper bowling green	405+	
30/03/2010	8:15	MD Reserve, lower track	100+	

## Summary of Fruit Bat Observations April-May 2010

Date	Start Time	End Time	Location	No of Bats	Flight Direction	Flight Path Width (m)	Comments
1/04/2010	19:06	19:39	MD Reserve-upper bowling green	818	mainly north		80 about 50 flew east, mostly to ridge, about 30 flew north north west east side of camp has declined in size, bats no longer in Blackbutts and Turpentine, camp back to size of 15/3/2010
2/04/2010	16:35		MD Reserve-lower track	100+	mainly north		about 30 flew east, mostly to ridge and about 20 flew north north 80 west
2/04/2010	19:06	19:30	MD Reserve-upper bowling green	421	mainly north		
3/04/2010	19:03	19:17	MD Reserve-upper bowling green	195+	mainly north		80 overcast, raining, poor visibility, 15+ flew east to ridge
4/04/2010	16:35		MD Reserve-lower track	100+	mainly north		camp continues to decline in size, now smaller than on 15/03/2010 about 10 flew northwest towards Peakhurst; 4 of these crossed
4/04/2010	18:14	18:29	4 Woronora Pde Oatley West	90	mainly north		70 flight path from southeast to northwest
5/04/2010	19:06	19:32	MD Reserve-upper bowling green	342	mainly north		about 10 flew east into Blackbutts on ridge, 1 northeast over 70 railway station
6/04/2010	11:10		MD Reserve-lower track	100+			bat camp has declined further in size, bats have been feeding on leaves in one Melaleuca just north of camp (top largely defoliated)
6/04/2010	17:56	18:24	MD Reserve-upper bowling green	433	north		70 overcast, light rain 1 flew east over ridge
7/04/2010	17:55	18:25	MD Reserve-upper bowling green	455	north		70 2 flew east over ridge
7/04/2010	20:35	21:35	Peakhurst South Public School	3			heard in trees at front of school
8/04/2010	17:54	18:04	MD Reserve-upper bowling green	179+	north		60 count abandoned because of bad weather-thunderstorm
10/04/2010	17:58	18:30	MD Reserve-upper bowling green	582	north		70 4 flew east over ridge, 4 flew northeast over Oatley Station
11/04/2010	18:01	18:31	MD Reserve-upper bowling green	381	north		70 1 flew east over ridge, 1 flew northwest, 5 landed in Blackbutts
12/04/2010	16:05		MD Reserve-lower track	100+			
13/04/2010	17:55	18:22	MD Reserve-upper bowling green	348	north		80
14/04/2010	17:55	18:23	MD Reserve-upper bowling green	440	north		70
15/04/2010	17:51	18:19	MD Reserve-upper bowling green	346	mainly north		70 3 flew northwest
17/04/2010	17:50	18:15	MD Reserve-upper bowling green	358	north		6 flew east, 3 northeast, 3 northwest, 1 landed in Blackbutt near 80 gate
18/04/2010	17:48	18:12	MD Reserve-upper bowling green	440	mainly north		70 7 flew east. 3 northeast, 5 northwest
19/04/2010	17:46	18:12	MD Reserve-upper bowling green	441	mainly north		2 landed in Blackbutts near gate, 4 landed on ridge to east, 3 flew 80 over ridge to east, 4 flew northwest and 2 flew south

19/04/2010	18:20	4 River Rd Oatley West	3	mainly north	feeding on fruit of Lilly Pilly in front yard
20/04/2010	17:49	18:15 MD Reserve-upper bowling green	446	north	80 3 landed on ridge to east, 5 flew over ridge, 7 flew northwest
20/04/2010	18:25	4 River Rd Oatley West	2	mainly north	feeding on fruit of Lilly Pilly in front yard 3 landed in Blackbutts near gate, 5 flew east to ridge, 5 flew northwest
22/04/2010	17:43	18:11 MD Reserve-upper bowling green	515	north	80 4 landed in Blackbutts near gate, but did not stay long, 2 flew east to ridge, 4 flew northwest
23/04/2010	17:47	18:18 MD Reserve-upper bowling green	584	north	80 to ridge, 4 flew northwest
24/04/2010	17:25	4 River Rd Oatley West	1	mainly north	dead on powerlines next to Lilly Pilly which is fruiting 12 landed on ridge to east, 6 landed in Blackbutts near gate, 5 flew northwest
24/04/2010	17:38	18:08 MD Reserve-upper bowling green	395	north	100 northwest
25/04/2010	17:37	18:09 MD Reserve-upper bowling green	284	north	15 flew east to ridge, 2 flew northeast, 1 landed in Blackbutts near gate; more than usual flying high
26/04/2010	17:42	18:10 MD Reserve-upper bowling green	455	north	6 flew east to ridge, 5 flew northwest, 3 landed in Blackbutts near gate
26/04/2010	18:20	4 River Rd Oatley West	5	mainly north	feeding on fruit of Lilly Pilly in front yard
27/04/2010	7:50	2 River Rd Oatley West	1	mainly north	dead on powerlines near Lilly Pilly which is fruiting 5 flew east to ridge, 5 over ridge, 3 flew northwest; overcast, fair
27/04/2010	17:31	18:06 MD Reserve-upper bowling green	367	north	80 visibility
27/04/2010	18:15	4 River Rd Oatley West	1	mainly north	feeding on fruit of Lilly Pilly in front yard
29/04/2010	17:36	18:10 MD Reserve-upper bowling green	218	north	15 flew east to ridge, 1 landed in Blackbutt near gate, 3 flew northwest
29/04/2010	18:20	1A Larool Ave Oatley	8	mainly north	80 northwest feeding on flowers & fruit of Magenta Cherries in front yard
30/04/2010	17:32	18:01 MD Reserve-upper bowling green	293	north	80 10 flew east to ridge, 4 flew northwest, 2 flew northeast
1/05/2010	17:33	18:06 MD Reserve-upper bowling green	539	north	70 12 flew east to ridge, 4 flew northwest
2/05/2010	17:32	18:08 MD Reserve-upper bowling green	432	north	80 11 flew east to ridge, 3 flew northwest, 3 flew northeast
3/05/2010	17:26	17:59 MD Reserve-upper bowling green	434	north	80 10 flew east to ridge, 3 flew northwest, 2 flew northeast
4/05/2010	17:31	18:08 MD Reserve-upper bowling green	796	north	80 8 flew east to ridge, 5 flew northwest
6/05/2010	17:28	18:05 MD Reserve-upper bowling green	354	north	70 11 flew east to ridge, 5 flew northwest
7/05/2010	17:29	18:05 MD Reserve-upper bowling green	472	north	80 7 flew east, 4 northwest

8/05/2010	17:30	18:00	MD Reserve-upper bowling green	mainly north	552	90	9 flew east, 3 northeast, 5 northwest
9/05/2010	17:29	18:00	MD Reserve-upper bowling green	mainly north	492	80	5 flew east, 6 flew northeast, 6 flew northwest
10/05/2010	17:29	18:00	MD Reserve-upper bowling green	mainly north	634	80	4 flew east, 4 flew northeast, 5 flew northwest
11/05/2010	17:28	18:07	MD Reserve-upper bowling green	mainly north	404	70	4 flew east, 5 flew northeast, 4 flew northwest
13/05/2010	17:27	17:55	MD Reserve-upper bowling green	mainly north	285	80	6 flew east, 2 northeast, 4 northwest
18/05/2010	17:21	18:02	MD Reserve-upper bowling green	mainly north	398	80	4 flew east, 6 northeast, 5 northwest
20/05/2010	17:21	17:52	MD Reserve-upper bowling green	mainly north	585	80	5 flew east, 6 flew northeast, 4 flew northwest 4 flew east, 5 flew northeast, 3 flew northwest; southerly wind,
21/05/2010	17:21	17:52	MD Reserve-upper bowling green	mainly north	386	70	bats turning into it to gain altitude 3 flew east, 6 flew northeast, 3 flew northwest; southerly wind,
22/05/2010	17:25	17:52	MD Reserve-upper bowling green	mainly north	421	100	bats turning into it to gain altitude
23/05/2010	17:20	17:50	MD Reserve-upper bowling green	mainly north	455	80	2 flew east, 5 flew northeast, 4 flew northwest
24/05/2010	17:19	17:53	MD Reserve-upper bowling green	mainly north	673	100	3 flew east, 4 flew northeast, 4 flew northwest
24/05/2010	19:50		Oatley Uniting Church	2			
25/05/2010	17:21	17:48	MD Reserve-upper bowling green	mainly north	553	90	3 flew east, 5 flew northeast, 3 flew northwest
27/05/2010	17:19	17:47	MD Reserve-upper bowling green	mainly north	527	90	11 flew east, 6 northeast, 2 northwest
28/05/2010	17:24	17:55	MD Reserve-upper bowling green	mainly north	665	100	7 flew east, 6 northeast, 5 northwest camp has extended slightly northeast
29/05/2010	16:25		MD bat camp-northeast end	300+			6 flew east, 7 northeast, 4 northwest; rain easing towards end of fly-
29/05/2010	17:17	18:10	MD Reserve-upper bowling green	mainly north	525	90	out
30/05/2010	17:17	17:54	MD Reserve-upper bowling green	mainly north	560	100	4 flew east, 6 northeast, 4 northwest
31/05/2010	17:18	17:48	MD Reserve-upper bowling green	mainly north	417	100	4 flew east, 7 northeast, 6 flew northwest

### Summary of Fruit Bat Observations April-May 2010

Date	Start Time	End Time	Location	No of Bats	Flight Direction	Flight Path Width (m)	Comments
1/06/2010	12:05		MD Reserve-lower track	300+			bats alarmed and flying around, bat camp has extended to south 9 flew east, 6 northeast, 7 northwest: two bats had minor collision, 90 wings hit
1/06/2010	17:22	17:49	MD Reserve-upper bowling green	679	mainly north		
3/06/2010	17:20	17:50	MD Reserve-upper bowling green	690	mainly north		80 4 flew east, 7 northeast, 5 northwest
4/06/2010	17:16	17:55	MD Reserve-upper bowling green	581	mainly north		90 5 flew east, 6 northeast, 4 northwest, 1 flew south
5/06/2010	17:16	17:48	MD Reserve-upper bowling green	505	mainly north		100 5 flew east, 3 northeast, 3 northwest 2 flew east, 9 flew northeast, 2 northwest; rain, cold southerly, 80 many bats circling to gain altitude
6/06/2010	17:19	18:03	MD Reserve-upper bowling green	290	mainly north		
7/06/2010	17:18	17:47	MD Reserve-upper bowling green	575	mainly north		90 2 bats flew east, 5 northeast, 3 northwest
8/06/2010	17:22	17:50	MD Reserve-upper bowling green	708	mainly north		90 3 bats flew east, 7 northeast, 3 northwest
10/06/2010	17:19	17:51	MD Reserve-upper bowling green	679	mainly north		90 5 bats flew east, 6 northeast, 2 northwest
11/06/2010	17:20	17:55	MD Reserve-upper bowling green	585	mainly north		90 5 bats flew east, 4 northeast, 3 northwest
13/06/2010	17:20	17:48	MD Reserve-upper bowling green	701	mainly north		100 4 bats flew east, 3 northeast, 4 northwest
14/06/2010	17:18	17:47	MD Reserve-upper bowling green	769	mainly north		100 6 bats flew east, 5 northeast, 2 south, 4 northwest
15/06/2010	17:19	17:50	MD Reserve-upper bowling green	834	mainly north		100 6 bats flew east, 4 northeast, 5 northwest 3 bats flew east, 3 northeast, 4 northwest, 1 south; 6 bats landed in 90 Blackbutts near gate
17/06/2010	17:22	17:57	MD Reserve-upper bowling green	585	mainly north		4 bats flew east, 2 northeast, 4 northwest; 4 landed in Blackbutts 90 near gate
18/06/2010	17:19	17:48	MD Reserve-upper bowling green	633	mainly north		
19/06/2010	17:19	17:49	MD Reserve-upper bowling green	577	mainly north		100 5 bats flew east, 3 northeast, 4 northwest, 1 south
20/06/2010	17:14	17:48	MD Reserve-upper bowling green	841	mainly north		100 4 bats flew east, 4 northeast, 5 northwest
21/06/2010	17:19	17:54	MD Reserve-upper bowling green	730	mainly north		90 6 bats flew east, 7 northeast, 4 northwest, 1 south

22/06/2010	17:21	17:38	2 Woronora Pde Oatley West	86 north mainly	90	
24/06/2010	17:22	17:53	MD Reserve-upper bowling green	860 north mainly	100	4 bats flew east, 6 northeast, 5 northwest
25/06/2010	17:22	17:53	MD Reserve-upper bowling green	851 north	90	3 bats flew east, 4 northeast, 5 northwest
25/06/2010	20:45	23:00	44 George St Mortdale	1		calling in Large-leaf Privet
26/06/2010	8:15	65	Henry Lawson Dr Peakhurst	1 mainly		dead on powerlines
26/06/2010	17:25	17:51	MD Reserve-upper bowling green	728 north	90	4 bats flew east, 5 northeast, 4 northwest
26/06/2010	21:00	23:00	44 George St Mortdale	1 mainly		calling in Large-leaf Privet
27/06/2010	17:22	17:54	MD Reserve-upper bowling green	660 north	90	6 bats flew east, 5 northeast, 1 south, 4 northwest
27/06/2010	21:00	11:30	44 George St Mortdale	1 mainly		calling in Large-leaf Privet
28/06/2010	17:23	17:53	MD Reserve-upper bowling green	656 north	100	5 bats flew east, 7 northeast, 2 south, 1 northwest
28/06/2010	19:40	21:40	Uniting Church Oatley	2		calling in Ironbark
29/06/2010	17:25	17:56	MD Reserve-upper bowling green	757 north mainly	90	6 bats flew east, 8 northeast, 2 south, 4 northwest
30/06/2010	17:27	17:58	MD Reserve-upper bowling green	602 north mainly	90	3 bats flew east, 6 northeast, 1 south, 4 northwest
1/07/2010	17:24	17:52	MD Reserve-upper bowling green	763 north mainly	100	3 bats flew east, 5 northeast, 5 northwest
3/07/2010	17:27	17:56	MD Reserve-upper bowling green	745 north mainly	80	7 bats flew east, 2 northeast
4/07/2010	17:27	17:55	MD Reserve-upper bowling green	770 north mainly	90	3 bats flew east, 5 northeast, 3 northwest
5/07/2010	18:15	19:30	44 George St Mortdale	1		calling in Large-leaf Privet
6/07/2010	17:23	17:52	MD Reserve-upper bowling green	412 north mainly	90	3 bats flew east, 3 northeast, 3 northwest, 1 south
7/07/2010	17:31	17:54	MD Reserve-upper bowling green	442 north mainly	80	3 bats flew east, 4 northeast, 2 northwest
7/07/2010	18:45	19:25	44 George St Mortdale	1 mainly		calling in Large-leaf Privet
8/07/2010	17:21	17:56	MD Reserve-upper bowling green	528 north mainly	80	4 bats flew east, 5 northeast, 4 northwest
9/07/2010	17:21	18:25	MD Reserve-upper bowling green	590 north mainly	80	4 bats flew east, 5 northeast, 3 northwest; rain early in fly-out, only
9/07/2010	20:35	21:30	44 George St Mortdale	1		7 bats left before 17:41, most waited until rain eased calling in Large-leaf Privet



10/07/2010	17:25	17:57	MD Reserve-upper bowling green	mainly north	701	2 flew east, 4 northeast, 4 northwest, 2 bats had minor collision, 90 wings brushed
11/07/2010	17:29	18:00	MD Reserve-upper bowling green	mainly north	687	90 2 flew east, 5 northeast, 3 northwest, 1 south
12/07/2010	17:30	18:01	MD Reserve-upper bowling green	mainly north	772	80 3 flew east, 4 northeast, 5 northwest
13/07/2010	17:21	17:56	MD Reserve-upper bowling green	mainly north	915	80 6 flew east, 9 northeast, 5 northwest
14/07/2010	17:35	18:25	MD Reserve-upper bowling green	mainly north	335	2 flew east, 14 northeast, 1 northwest; strong NW wind, easing a 90 bit during fly-out
15/07/2010	17:31	18:04	MD Reserve-upper bowling green	mainly north	454	80 4 flew east, 25 northeast, 4 northwest
16/07/2010	17:33	17:59	Boongara Reserve-lower part	mainly northeast	608	approx 250 flew north, 2 flew northwest; many bats flew north to 100 Boongara then turned northeast
17/07/2010	17:35	18:03	MD Reserve-upper bowling green	mainly northeast	865	90 4 flew east, approx 280 flew north, 4 flew northwest
18/07/2010	17:31	18:05	MD Reserve-upper bowling green	mainly north	745	90 3 flew east, approx 300 northeast, 4 northwest, 1 south
19/07/2010	17:30	17:58	MD Reserve-upper bowling green	mainly north	659	80 3 flew east, approx 290 northeast, 5 northwest
20/07/2010	17:31	18:07	MD Reserve-upper bowling green	mainly northeast	319	90 6 flew east, approx 130 north, 5 northwest
22/07/2010	17:37	18:07	MD Reserve-upper bowling green	mainly northeast	690	80 5 flew east, approx 300 north, 4 northwest
23/07/2010	17:35	18:06	MD Reserve-upper bowling green	mainly north	553	80 2 flew east, approx 250 flew northeast, 2 flew northwest
24/07/2010	17:36	18:07	MD Reserve-upper bowling green	mainly northeast	774	90 4 flew east, approx 320 flew north, 4 flew northwest
25/07/2010	17:34	17:50	MD Reserve-upper bowling green	mainly north	38+	overcast, raining, count abandoned because of poor visibility
26/07/2010	17:34	18:03	MD Reserve-upper bowling green	mainly north	683	90 6 flew east, approx 250 northeast, 3 northwest, 1 south
26/07/2010	21:00		Uniting Church Oatley	1		flying past
27/07/2010	17:37	18:08	MD Reserve-upper bowling green	mainly north	652	80 3 flew east, approx 260 northeast, 4 northwest
29/07/2010	17:46	18:10	MD Reserve-upper bowling green	mainly north	80+	2 flew east, approx 30 flew northeast; rain, mist, poor visibility, 80 count abandoned

30/07/2010	17:38	18:09	MD Reserve-upper bowling green	mainly 585 north	90 1 flew east, approx 250 northeast, 3 northwest
31/07/2010	17:47	18:17	MD Reserve-upper bowling green	mainly 613 north	90 3 flew east, approx 260 northeast, 3 northwest 1 flew east, approx 12 flew northeast; rain, poor visibility, count
2/08/2010	17:44	18:00	MD Reserve-upper bowling green	31+ north mainly	90 abandoned
3/08/2010	17:45	18:13	MD Reserve-upper bowling green	370 north	80 2 flew east, approx 100 flew northeast, 3 northwest

### Summary of Fruit Bat Observations April-May 2010

Date	Start Time	End Time	Location	No of Bats	Flight Direction	Flight Path Width (m)	Comments
2/08/2010	17:44	18:00	MD Reserve-upper bowling green	31+	mainly north		1 flew east, approx 12 flew northeast; rain, poor visibility, count 90 abandoned
3/08/2010	17:45	18:13	MD Reserve-upper bowling green	370	mainly north		80 2 flew east, approx 100 flew northeast, 3 northwest
5/08/2010	17:44	18:18	MD Reserve-upper bowling green	288	mainly northeast		90 1 flew east, approx 120 flew north, 2 flew northwest
6/08/2010	17:42	18:12	MD Reserve-upper bowling green	635	mainly northeast		80 6 flew east, approx 250 northeast, 3 northwest
7/08/2010	17:45	18:16	MD Reserve-upper bowling green	406	mainly northeast		90 1 flew east, approx 180 north, 2 northwest
8/08/2010	17:46	18:18	MD Reserve-upper bowling green	672	mainly north		80 8 flew east, approx 230 northeast, 3 northwest
9/08/2010	17:46	18:16	MD Reserve-upper bowling green	645	mainly north		90 3 flew east, approx 240 northeast, 4 northwest
12/08/2010	17:44	18:44	MD Reserve-upper bowling green	204	mainly northeast		2 flew east, approx 50 flew north, 2 flew northwest; cold 90 southwesterly, generally easing
13/08/2010	17:50	18:17	MD Reserve-upper bowling green	401	mainly northeast		90 3 flew east, approx 150 north, 1 northwest
14/08/2010	17:50	18:29	MD Reserve-upper bowling green	629	mainly northeast		80 2 flew east, approx 250 north, 1 northwest
15/08/2010	17:54	18:30	MD Reserve-upper bowling green	426	mainly north		90 2 flew east, approx 170 flew northeast
16/08/2010	17:50	18:23	MD Reserve-upper bowling green	329	mainly north		80 2 flew east, approx 80 flew northeast, 1 flew northwest
17/08/2010	17:54	18:23	MD Reserve-upper bowling green	605	mainly north		90 3 flew east, approx 250 northeast, 1 northwest
19/08/2010	17:57	18:26	MD Reserve-upper bowling green	321	mainly north		80 2 flew east, approx 140 northeast, 1 northwest
20/08/2010	17:56	18:22	MD Reserve-upper bowling green	353	mainly north		90 3 flew east, approx 150 northeast, 1 northwest
21/08/2010	17:56	18:29	MD Reserve-upper bowling green	236	mainly north		90 3 flew east, approx 100 northeast
22/08/2010	17:53	18:19	MD Reserve-upper bowling green	784	mainly north		80 2 flew east, approx 250 northeast

23/08/2010	17:54	18:23	MD Reserve-upper bowling green	mainly 363 north	90 1 flew east, approx 150 northeast
24/08/2010	17:57	18:29	MD Reserve-upper bowling green	mainly 200 north	80 2 flew east, 64 flew northeast
26/08/2010	18:00	18:34	MD Reserve-upper bowling green	mainly 160 north	90 33 flew northeast
27/08/2010	18:00	18:27	MD Reserve-upper bowling green	mainly 116 north	90 39 flew northeast
28/08/2010	18:03	18:25	MD Reserve-upper bowling green	mainly 475 north	80 2 flew east, approx 140 northeast, 1 northwest
29/08/2010	18:01	18:25	MD Reserve-upper bowling green	mainly 589 north	90 approx 290 flew northeast
30/08/2010	18:01	18:25	MD Reserve-upper bowling green	mainly 706 north	90 approx 200 flew northeast
31/08/2010	18:01	18:26	MD Reserve-upper bowling green	mainly 733 north	80 approx 100 flew northeast
2/09/2010	17:53	18:18	MD Reserve-upper bowling green	mainly 219 north	90 3 flew east, approx 50 flew northeast
3/09/2010	18:00	18:25	MD Reserve-upper bowling green	mainly 716 north	90 1 flew east, approx 280 flew northeast
5/09/2010	18:07	18:30	MD Reserve-upper bowling green	mainly 550 north	80 2 flew east, approx 220 flew northeast
6/09/2010	18:07	18:27	MD Reserve-upper bowling green	mainly 483 north	90 approx 170 flew northeast
7/09/2010	18:04	18:25	MD Reserve-upper bowling green	mainly 276 north	80 approx 170 flew northeast
9/09/2010	18:01	18:28	MD Reserve-upper bowling green	mainly 452 north	90 approx 110 bats flew northeast
10/09/2010	18:11	18:35	MD Reserve-upper bowling green	mainly 103 north	90 approx 40 bats flew northeast
12/09/2010	18:08	18:35	MD Reserve-upper bowling green	mainly 589 north	80 approx 260 bats flew northeast
13/09/2010	18:09	18:32	MD Reserve-upper bowling green	mainly 426 north	90 approx 60 bats flew northeast
14/09/2010	18:04	18:30	2 Woronora Pde Oatley West	69 north	80 approx 15 landing locally in Mortdale
15/09/2010	5:00	22 Lloyd St Oatley West		2 east north to	Graham Lalchere: flying back towards Myles Dumphy Camp unable to count directions separately, bats circling around to gain
16/09/2010	18:14	18:35	MD Reserve-upper bowling green	220 northeast	100 altitude in strong northwest wind

17/09/2010	18:14	18:38	MD Reserve-upper bowling green	mainly 757 north	90 approx 230 flew northeast, 5 northwest
18/09/2010	18:14	18:34	MD Reserve-upper bowling green	mainly 578 northeast	90 approx 230 flew north, 3 flew northwest
19/09/2010	18:11	18:36	MD Reserve-upper bowling green	mainly 573 northeast	90 approx 270 flew north, 2 flew east, 3 flew northwest
20/09/2010	18:15	18:37	MD Reserve-upper bowling green	mainly 664 northeast	100 approx 270 flew north, 1 flew east
21/09/2010	18:11	18:36	MD Reserve-upper bowling green	mainly 216 north	90 approx 80 flew northeast
23/09/2010	18:14	18:40	MD Reserve-upper bowling green	north to 1110 northeast	80 count only approx., fly-out too packed
24/09/2010	18:17	18:44	MD Reserve-upper bowling green	north to 1080 northeast	80 count only approx., fly-out too packed
25/09/2010	18:18	18:44	MD Reserve-upper bowling green	north to 1040 northeast	80 count only approx., fly-out too packed
26/09/2010	18:19	18:52	MD Reserve-upper bowling green	north to 1240 northeast	90 count only approx., fly-out too packed
27/09/2010	18:24	18:59	MD Reserve-upper bowling green	north to 294 northeast	80
28/09/2010	18:22	18:51	MD Reserve-upper bowling green	north to 1170 northeast	80 count only approx., fly-out too packed
29/09/2010	18:24	18:49	MD Reserve-upper bowling green	north to 506 northeast	80 cool southerly, died down during fly-out
30/09/2010	18:23	18:56	MD Reserve-upper bowling green	north to 1670 northeast	90 count only approx., fly-out too packed

## Summary of Fruit Bat Observations April-May 2010

Date	Start Time	End Time	Location	No of Bats	Flight Direction	Flight Path Width (m)	Comments
1/10/2010	18:22	18:52	MD Reserve-upper bowling green	1630	north to northeast		80 count only approx., fly-out too packed
8/10/2010	19:28	20:01	MD Reserve-upper bowling green	1210	north to northeast		90 count only approx., fly-out too packed, 4 flew northwest
10/10/2010	19:28	20:59	MD Reserve-upper bowling green	1070	north to northeast		80 count only approx., fly-out too packed and bats circling back
11/10/2010	19:30	20:07	MD Reserve-upper bowling green	1950	north to northeast		90 count only approx., fly-out too packed
12/10/2010	19:32	20:18	MD Reserve-upper bowling green	2070	north to northeast		100 count only approx., fly-out too packed
14/10/2010	19:33	20:08	MD Reserve-upper bowling green	1040	north to northeast		80 count only approx., fly-out too packed
15/10/2010	19:36	21:38	MD Reserve-upper bowling green	1152	north		approx 200 flew northeast; rain and NE wind early in fly-out, easing 90 later-fly-out unusually long
16/10/2010	19:39	20:11	MD Reserve-upper bowling green	560	north to north		approx 80 flew northeast, 1 flew east; NE wind, many bats circling 80 past, count approx.
17/10/2010	19:37	20:03	MD Reserve-upper bowling green	725	north to northeast		90 2 bats flew east
18/10/2010	19:39	20:08	MD Reserve-upper bowling green	292	north to north		80 approx 30 bats flew northeast
19/10/2010	19:35	20:04	MD Reserve-upper bowling green	721	north to northeast		90 3 bats flew east
21/10/2010	19:39	20:08	MD Reserve-upper bowling green	1870	north to northeast		count only approx., fly-out too packed; at 20:00 sound of bat squealing-?caught by predator
22/10/2010	19:40	20:11	MD Reserve-upper bowling green	1570	north to northeast		count only approx., fly-out too packed, approx 500 bats flew north, 90 2 bats flew east
23/10/2010	19:38	20:05	MD Reserve-upper bowling green	140+	north to northeast		80 overcast, rain, poor visibility-count abandoned
24/10/2010	19:39	20:09	MD Reserve-upper bowling green	714	north to northeast		80 2 bats flew east
26/10/2010	19:45	20:18	MD Reserve-upper bowling green	1070	north to northeast		90 count only approx., fly-out too packed
28/10/2010	19:44	20:06	MD Reserve-upper bowling green	930	north to northeast		80 count only approx., fly-out too packed
29/10/2010	19:44	20:11	MD Reserve-upper bowling green	1760	north to northeast		100 count only approx., fly-out too packed

30/10/2010	19:45	20:09	MD Reserve-upper bowling green	north to 1990 northeast	90 count only approx., fly-out too packed
31/10/2010	19:46	20:08	MD Reserve-upper bowling green	north to 870 northeast	90 count only approx., fly-out too packed
2/11/2010	19:44	20:10	MD Reserve-upper bowling green	north to 730 northeast	100 count only approx., fly-out too packed
5/11/2010	19:46	20:11	MD Reserve-upper bowling green	north to 640 northeast	80 count only approx., fly-out too packed and bats circling back
7/11/2010	19:50	20:16	MD Reserve-upper bowling green	north to 1350 northeast	110 6 bats flew east, count only approx., fly-out too packed
9/11/2010	19:46	20:16	MD Reserve-upper bowling green	north to 930 northeast	90 4 bats flew east, count only approx., fly-out too packed
11/11/2010	19:50	20:26	MD Reserve-upper bowling green	north to 1190 northeast	100 2 bats flew east, count only approx., fly-out too packed
12/11/2010	19:50	20:22	MD Reserve-upper bowling green	north to 1030 northeast	90 5 bats flew east, count only approx., fly-out too packed 3 bats flew east, 4 northwest, count only approx., fly-out too
13/11/2010	19:50	20:31	MD Reserve-upper bowling green	north to 1280 northeast	110 packed and bats circling into northeast wind 4 bats flew east, count only approx., fly-out too packed & bats
16/11/2010	19:52	20:26	MD Reserve-upper bowling green	north to 570 northeast	90 circling into southerly wind
18/11/2010	19:58	20:35	MD Reserve-upper bowling green	north to 660 northeast	90 6 bats flew east, count only approx., fly-out too packed 22 bats flew east, count only approx., fly-out too packed & bats
19/11/2010	19:57	20:23	MD Reserve-upper bowling green	north to 340 northeast	80 circling into gentle southerly wind 17 bats flew east, 4 northwest, count only approx., fly-out too
21/11/2010	20:05	20:37	MD Reserve-upper bowling green	north to 930 northeast	110 packed & bats circling into northeasterly wind
23/11/2010	20:08	20:37	MD Reserve-upper bowling green	north to 191 northeast	80 20 bats flew east, bats circling into northeasterly wind

## Summary of Observations Myles Dunphy Flying Fox Camp 2010

Date	Start Time	End Time	Count Location	Fly-out Bats in Camp	Est No of Bats in Flight	Flight Direction	Comments
23 Feb	9:00		MD Reserve, lower track	0			MD camp not yet occupied
27 Feb	20:01	20:14	73 Mulga St Oatley West	110	70	north	two flight paths, approx 70 from new camp at Myles Dunphy, remainder from Kareela
9 Mar	19:48	20:10	Boongara Reserve	218	218	north	fly-out count, virtually all from MD camp
13 Mar	19:38	17:57	MD Reserve, upper Bowling Green	319	280	north	fly-out count, approx 40 from Kareela, remainder from MD
15 Mar	19:36	19:57	MD Reserve, upper Bowling Green	524	480	north	fly-out count, approx 40 from Kareela, remainder from MD
19 Mar	19:30	19:54	MD Reserve, upper Bowling Green	554	520	north	approx 30 from Kareela
23 Mar	19:24	19:53	MD Reserve, upper Bowling Green	651	651	north	fly-out count
25 Mar	19:22	19:49	MD Reserve, upper Bowling Green	1059	1030	north	mainly approx 20 flew east, approx 30 flew north north west
26 Mar	19:21	19:49	MD Reserve, upper Bowling Green	1049+	1030	north	50+ flew northeast, approx 30 flew north north west; northeast ones passed behind me and were difficult to count-this count is a minimum estimate
29 Mar	19:08	19:40	MD Reserve, upper Bowling Green	405+	1100	north	mainly overcast & raining, poor visibility: many bats remained within the Reserve and could be heard calling-count very incomplete
1 Apr	19:06	19:39	MD Reserve, upper Bowling Green	818	818	north	mainly about 50 flew east, mostly to ridge, about 30 flew north north west
2 Apr	19:06	19:30	MD Reserve, upper Bowling Green	421	421	north	mainly about 30 flew east, mostly to ridge and about 20 flew north north west
5 Apr	19:06	19:32	MD Reserve, upper Bowling Green	342	342	north	mainly poor visibility, approx 20 flew east to ridge
6 Apr	17:56	18:24	MD Reserve, upper Bowling Green	433	433	north	overcast, light rain but fair visibility, 1 bat flew east over ridge
7 Apr	17:55	18:25	MD Reserve, upper Bowling Green	455	455	north	2 flew east over ridge
10 Apr	17:58	18:30	MD Reserve-upper bowling green	582	582	north	mainly 4 flew east over ridge, 4 flew northeast over Oatley Station, 4 landed in Blackbutts near gate
11 Apr	18:01	18:31	MD Reserve-upper bowling green	381	381	north	1 flew east over ridge, 1 flew northwest, 5 landed in Blackbutts near gate
13 Apr	17:55	18:22	MD Reserve-upper bowling green	348	348	north	
14 Apr	17:55	18:23	MD Reserve-upper bowling green	440	440	north	
15 Apr	17:51	18:19	MD Reserve-upper bowling green	346	346	north	3 flew northwest



17 Apr	17:50	18:15	MD Reserve-upper bowling green	258	mainly north	358	mainly north	6 flew east, 3 northeast, 3 northwest, 1 landed in Blackbutt near gate
18 Apr	17:48	18:12	MD Reserve-upper bowling green	430	mainly north	430	mainly north	7 flew east. 3 northeast, 5 northwest
19 Apr	17:46	18:12	MD Reserve-upper bowling green	441	mainly north	441	mainly north	2 landed in Blackbutts near gate, 4 landed on ridge to east, 3 flew over ridge to east, 4 flew northwest and 2 flew south
20 Apr	17:49	18:15	MD Reserve-upper bowling green	446	mainly north	446	mainly north	3 landed on ridge to east, 5 flew over ridge, 7 flew northwest
22 Apr	17:43	18:11	MD Reserve-upper bowling green	515	mainly north	515	mainly north	3 landed in Blackbutts near gate, 5 flew east to ridge, 5 flew northwest
23 Apr	17:47	18:18	MD Reserve-upper bowling green	584	mainly north	584	mainly north	4 landed in Blackbutts near gate, but did not stay long, 2 flew east to ridge, 4 flew northwest
24 Apr	17:38	18:08	MD Reserve-upper bowling green	395	mainly north	395	mainly north	12 landed on ridge to east, 6 landed in Blackbutts near gate, 5 flew northwest
25 Apr	17:37	18:09	MD Reserve-upper bowling green	284	mainly north	284	mainly north	15 flew east to ridge, 2 flew northeast, 1 landed in Blackbutts near gate; more than usual flying high
26 Apr	17:42	18:10	MD Reserve-upper bowling green	455	mainly north	455	mainly north	6 flew east to ridge, 5 flew northwest, 3 landed in Blackbutts near gate
27 Apr	17:31	18:06	MD Reserve-upper bowling green	367	mainly north	367	mainly north	5 flew east to ridge, 5 over ridge, 3 flew northwest; overcast, fair visibility
29 Apr	17:36	18:10	MD Reserve-upper bowling green	218	mainly north	218	mainly north	15 flew east to ridge, 1 landed in Blackbutts near gate, 3 flew northwest
30 Apr	17:32	18:01	MD Reserve-upper bowling green	293	mainly north	293	mainly north	10 flew east to ridge, 4 flew northwest, 2 flew northeast
1 May	17:33	18:06	MD Reserve-upper bowling green	539	mainly north	539	mainly north	12 flew east to ridge, 4 flew northwest
2 May	17:32	18:08	MD Reserve-upper bowling green	432	mainly north	432	mainly north	11 flew east to ridge, 3 flew northwest, 3 flew northeast
3 May	17:26	17:59	MD Reserve-upper bowling green	434	mainly north	434	mainly north	10 flew east to ridge, 3 flew northwest, 2 flew northeast
4 May	17:31	18:08	MD Reserve-upper bowling green	796	mainly north	796	mainly north	8 flew east to ridge, 5 flew northwest
6 May	17:28	18:05	MD Reserve-upper bowling green	354	mainly north	354	mainly north	11 flew east to ridge, 5 flew northwest
7 May	17:29	18:05	MD Reserve-upper bowling green	472	mainly north	472	mainly north	7 flew east, 4 northwest
8 May	17:30	18:00	MD Reserve-upper bowling green	552	mainly north	552	mainly north	9 flew east, 3 northeast, 5 northwest

9 May	17:29	18:00	MD Reserve-upper bowling green	492	mainly north	492	5 flew east, 6 flew northeast, 6 flew northwest
10 May	17:29	18:00	MD Reserve-upper bowling green	634	mainly north	634	4 flew east, 4 flew northeast, 5 flew northwest
11 May	17:28	18:07	MD Reserve-upper bowling green	404	mainly north	404	4 flew east, 5 flew northeast, 4 flew northwest
13 May	17:27	17:55	MD Reserve-upper bowling green	285	mainly north	285	6 flew east, 2 northeast, 4 northwest
18 May	17:21	18:02	MD Reserve-upper bowling green	398	mainly north	398	4 flew east, 6 northeast, 5 northwest
20 May	17:21	17:52	MD Reserve-upper bowling green	585	mainly north	585	5 flew east, 6 flew northeast, 4 flew northwest
21 May	17:21	17:52	MD Reserve-upper bowling green	386	mainly north	386	4 flew east, 5 flew northeast, 3 flew northwest
22 May	17:25	17:52	MD Reserve-upper bowling green	421	mainly north	421	3 flew east, 6 flew northeast, 3 flew northwest
23 May	17:20	17:50	MD Reserve-upper bowling green	455	mainly north	455	2 flew east, 5 flew northeast, 4 flew northwest
24 May	17:19	17:53	MD Reserve-upper bowling green	673	mainly north	673	3 flew east, 4 flew northeast, 4 flew northwest
25 May	17:21	17:48	MD Reserve-upper bowling green	553	mainly north	553	3 flew east, 5 flew northeast, 3 flew northwest
27 May	17:19	17:47	MD Reserve-upper bowling green	527	mainly north	527	11 flew east, 6 northeast, 2 northwest
28 May	17:24	17:55	MD Reserve-upper bowling green	665	mainly north	665	7 flew east, 6 northeast, 5 northwest
29 May	17:17	18:10	MD Reserve-upper bowling green	525	mainly north	525	6 flew east, 7 northeast, 4 northwest; rain easing towards end of fly-out
30 May	17:17	17:54	MD Reserve-upper bowling green	560	mainly north	560	4 flew east, 6 northeast, 4 northwest
31 May	17:18	17:48	MD Reserve-upper bowling green	417	mainly north	417	4 flew east, 7 northeast, 6 flew northwest
1 Jun	17:22	17:49	MD Reserve-upper bowling green	679	mainly north	679	9 flew east, 6 northeast, 7 northwest; two bats had minor collision-wings hit
3 Jun	17:20	17:50	MD Reserve-upper bowling green	690	mainly north	690	4 flew east, 7 northeast, 5 northwest
4 Jun	17:16	17:55	MD Reserve-upper bowling green	581	mainly north	581	5 flew east, 6 northeast, 4 northwest

5 Jun	17:16	17:48	MD Reserve-upper bowling green	505	mainly north	505	5 bats flew east, 3 northeast, 3 northwest
6 Jun	17:19	18:03	MD Reserve-upper bowling green	290	mainly north	290	2 flew east, 9 flew northeast, 2 northwest; rain, cold southerly, many bats circling to gain altitude
7 Jun	17:18	17:47	MD Reserve-upper bowling green	575	mainly north	575	2 bats flew east, 5 northeast, 3 northwest
8 Jun	17:22	17:50	MD Reserve-upper bowling green	708	mainly north	708	3 bats flew east, 7 northeast, 3 northwest
10 Jun	17:19	17:51	MD Reserve-upper bowling green	679	mainly north	679	5 bats flew east, 6 northeast, 2 northwest
11 Jun	17:20	17:55	MD Reserve-upper bowling green	585	mainly north	585	5 bats flew east, 4 northeast, 3 northwest
13 Jun	17:20	17:48	MD Reserve-upper bowling green	701	mainly north	701	4 bats flew east, 3 northeast, 4 northwest
14 Jun	17:18	17:47	MD Reserve-upper bowling green	769	mainly north	769	6 bats flew east, 5 northeast, 2 south, 4 northwest
15 Jun	17:19	17:50	MD Reserve-upper bowling green	834	mainly north	834	6 bats flew east, 4 northeast, 5 northwest
17 Jun	17:22	17:57	MD Reserve-upper bowling green	585	mainly north	585	3 bats flew east, 3 northeast, 4 northwest, 1 south; 6 bats landed in Blackbutts near gate
18 Jun	17:19	17:48	MD Reserve-upper bowling green	633	mainly north	633	4 bats flew east, 2 northeast, 4 northwest; 4 landed in Blackbutts near gate
19 Jun	17:19	17:49	MD Reserve-upper bowling green	577	mainly north	577	5 bats flew east, 3 northeast, 4 northwest, 1 south
20 Jun	17:14	17:48	MD Reserve-upper bowling green	841	mainly north	841	4 bats flew east, 4 northeast, 5 northwest
21 Jun	17:19	17:54	MD Reserve-upper bowling green	730	mainly north	730	6 bats flew east, 7 northeast, 4 northwest, 1 south
24 Jun	17:22	17:53	MD Reserve-upper bowling green	860	mainly north	860	4 bats flew east, 6 northeast, 5 northwest
25 Jun	17:22	17:53	MD Reserve-upper bowling green	851	mainly north	851	3 bats flew east, 4 northeast, 5 northwest
26 Jun	17:25	17:51	MD Reserve-upper bowling green	728	mainly north	728	4 bats flew east, 5 northeast, 4 northwest
27 Jun	17:22	17:54	MD Reserve-upper bowling green	660	mainly north	660	6 bats flew east, 5 northeast, 1 south, 4 northwest
28 Jun	17:23	17:53	MD Reserve-upper bowling green	656	mainly north	656	5 bats flew east, 7 northeast, 2 south, 1 northwest

29 Jun	17:25	17:56	MD Reserve-upper bowling green	757	mainly 757 north	6 bats flew east, 8 northeast, 2 south, 4 northwest
30 Jun	17:27	17:58	MD Reserve-upper bowling green	602	mainly 602 north	3 bats flew east, 6 northeast, 1 south, 4 northwest
1 Jul	17:24	17:52	MD Reserve-upper bowling green	763	mainly 763 north	3 bats flew east, 5 northeast, 5 northwest
3 Jul	17:27	17:56	MD Reserve-upper bowling green	745	mainly 745 north	7 bats flew east, 2 northeast
4 Jul	17:27	17:55	MD Reserve-upper bowling green	770	mainly 770 north	3 bats flew east, 5 northeast, 3 northwest
6 Jul	17:23	17:52	MD Reserve-upper bowling green	412	mainly 412 north	3 bats flew east, 3 northeast, 3 northwest, 1 south
7 Jul	17:31	17:54	MD Reserve-upper bowling green	442	mainly 442 north	3 bats flew east, 4 northeast, 2 northwest
8 Jul	17:21	17:56	MD Reserve-upper bowling green	528	mainly 528 north	4 bats flew east, 5 northeast, 4 northwest
9 Jul	17:21	18:25	MD Reserve-upper bowling green	590	mainly 590 north	4 bats flew east, 5 northeast, 3 northwest; rain early in fly-out, only 7 bats left before 17:41, most waited until rain eased
10 Jul	17:25	17:57	MD Reserve-upper bowling green	701	mainly 701 north	2 flew east, 4 northeast, 4 northwest
11 Jul	17:29	18:00	MD Reserve-upper bowling green	687	mainly 687 north	2 flew east, 5 northeast, 3 northwest, 1 south
12 Jul	17:30	18:01	MD Reserve-upper bowling green	772	mainly 772 north	3 flew east, 4 northeast, 5 northwest
13 Jul	17:21	17:56	MD Reserve-upper bowling green	915	mainly 915 north	6 flew east, 5 northeast, 5 northwest
14 Jul	17:35	18:25	MD Reserve-upper bowling green	335	mainly 335 north	2 flew east, 4 northeast, 1 northwest; strong NW wind, easing a bit during fly-out
15 Jul	17:31	18:04	MD Reserve-upper bowling green	454	mainly 454 north	4 flew east, 5 northeast, 4 northwest approx 250 flew north, 2 flew northwest; many bats flew north to Boongara then turned northeast
16 Jul	17:33	17:59	Boongara Reserve-lower part	608	mainly 608 northeast	
17 Jul	17:35	18:03	MD Reserve-upper bowling green	865	mainly 865 northeast	4 flew east, approx 280 flew north, 4 flew northwest
18 Jul	17:31	18:05	MD Reserve-upper bowling green	745	mainly 745 north	3 flew east, approx 300 northeast, 4 northwest, 1 south
19 Jul	17:30	17:58	MD Reserve-upper bowling green	659	mainly 659 north	3 flew east, approx 290 northeast, 5 northwest

20 Jul	17:31	18:07	MD Reserve-upper bowling green	319	mainly 319 northeast	6 flew east, approx 130 north, 5 northwest
22 Jul	17:37	18:07	MD Reserve-upper bowling green	690	mainly 690 northeast	5 flew east, approx 300 north, 4 northwest
23 Jul	17:35	18:06	MD Reserve-upper bowling green	553	mainly 553 north	2 flew east, approx 250 flew northeast, 2 flew northwest
24 Jul	17:36	18:07	MD Reserve-upper bowling green	774	mainly 774 northeast	4 flew east, approx 320 flew north, 4 flew northwest
26 Jul	17:34	18:03	MD Reserve-upper bowling green	683	mainly 683 north	6 flew east, approx 250 northeast, 3 northwest, 1 south
27 Jul	17:37	18:08	MD Reserve-upper bowling green	652	mainly 652 north	3 flew east, approx 260 northeast, 4 northwest
30 Jul	17:38	18:09	MD Reserve-upper bowling green	585	mainly 585 north	1 flew east, approx 250 northeast, 3 northwest
31 Jul	17:47	18:17	MD Reserve-upper bowling green	613	mainly 613 north	3 flew east, approx 260 northeast, 3 northwest
3 Aug	17:45	18:13	MD Reserve-upper bowling green	370	mainly 370 north	2 flew east, approx 100 flew northeast, 3 northwest
5 Aug	17:44	18:18	MD Reserve-upper bowling green	288	mainly 288 northeast	1 flew east, approx 120 flew north, 2 flew northwest
6 Aug	17:42	18:12	MD Reserve-upper bowling green	635	mainly 635 northeast	6 flew east, approx 250 northeast, 3 northwest
7 Aug	17:45	18:16	MD Reserve-upper bowling green	406	mainly 406 northeast	1 flew east, approx 180 north, 2 northwest
8 Aug	17:46	18:18	MD Reserve-upper bowling green	672	mainly 672 north	8 flew east, approx 230 northeast, 3 northwest
9 Aug	17:46	18:16	MD Reserve-upper bowling green	645	mainly 645 north	3 flew east, approx 240 northeast, 4 northwest
12 Aug	17:44	18:44	MD Reserve-upper bowling green	204	mainly 204 northeast	2 flew east, approx 50 flew north, 2 flew northwest; cold southwesterly, generally easing
13 Aug	17:50	18:17	MD Reserve-upper bowling green	401	mainly 401 northeast	3 flew east, approx 150 north, 1 northwest
14 Aug	17:50	18:29	MD Reserve-upper bowling green	629	mainly 629 northeast	2 flew east, approx 250 north, 1 northwest
15 Aug	17:54	18:30	MD Reserve-upper bowling green	426	mainly 426 north	2 flew east, approx 170 flew northeast
16 Aug	17:50	18:23	MD Reserve-upper bowling green	329	mainly 329 north	2 flew east, approx 80 flew northeast, 1 flew northwest

17 Aug	17:54	18:23	MD Reserve-upper bowling green	605	mainly north	605	3 flew east, approx 250 northeast, 1 northwest
19 Aug	17:57	18:26	MD Reserve-upper bowling green	321	mainly north	321	2 flew east, approx 140 northeast, 1 northwest
20 Aug	17:56	18:22	MD Reserve-upper bowling green	353	mainly north	353	3 flew east, approx 150 northeast, 1 northwest
21 Aug	17:56	18:29	MD Reserve-upper bowling green	236	mainly north	236	3 flew east, approx 100 northeast
22 Aug	17:53	18:19	MD Reserve-upper bowling green	784	mainly north	784	2 flew east, approx 250 north
23 Aug	17:54	18:23	MD Reserve-upper bowling green	363	mainly north	363	1 flew east, approx 150 northeast
24 Aug	17:57	18:29	MD Reserve-upper bowling green	200	mainly north	200	2 flew east, 64 flew northeast
26 Aug	18:00	18:34	MD Reserve-upper bowling green	160	mainly north	160	33 flew northeast
27 Aug	18:00	18:27	MD Reserve-upper bowling green	116	mainly north	116	39 flew northeast
28 Aug	18:03	18:25	MD Reserve-upper bowling green	475	mainly north	475	2 flew east, approx 140 northeast, 1 northwest
29 Aug	18:01	18:25	MD Reserve-upper bowling green	589	mainly north	589	approx 290 flew northeast
30 Aug	18:01	18:25	MD Reserve-upper bowling green	706	mainly north	706	approx 200 flew northeast
31 Aug	18:01	18:26	MD Reserve-upper bowling green	733	mainly north	733	approx 100 flew northeast
2 Sept	17:53	18:18	MD Reserve-upper bowling green	219	mainly north	219	3 flew east, approx 50 flew northeast
3 Sept	18:00	18:25	MD Reserve-upper bowling green	716	mainly north	716	1 flew east, approx 280 flew northeast
5 Sept	18:07	18:30	MD Reserve-upper bowling green	550	mainly north	550	2 flew east, approx 220 flew northeast
6 Sept	18:07	18:27	MD Reserve-upper bowling green	483	mainly north	483	approx 170 flew northeast
7 Sept	18:04	18:25	MD Reserve-upper bowling green	276	mainly north	276	approx 170 flew northeast
9 Sept	18:01	18:28	MD Reserve-upper bowling green	452	mainly north	452	approx 110 bats flew northeast

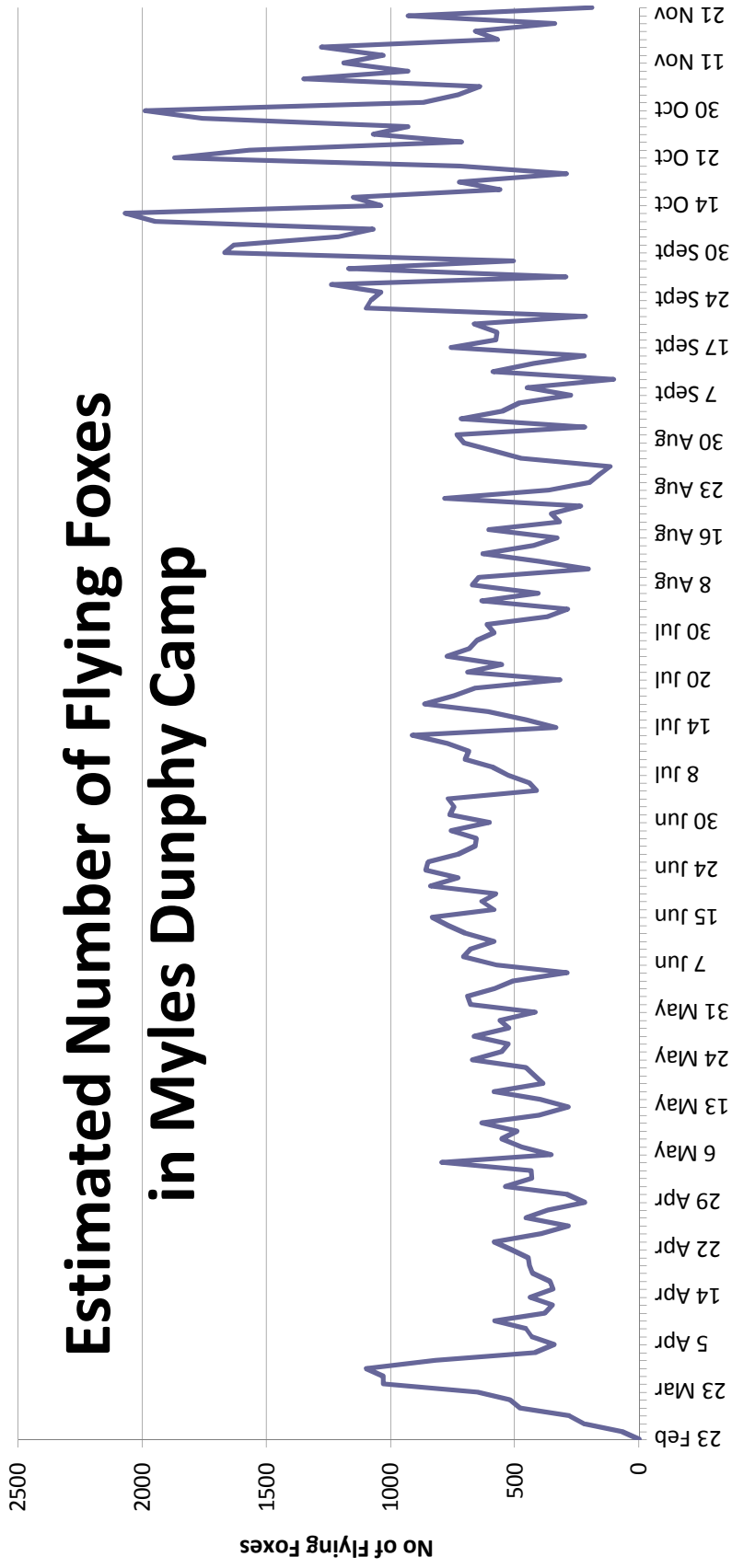
10 Sept	18:11	18:35	MD Reserve-upper bowling green	103	103	mainly north	approx 40 bats flew northeast
12 Sept	18:08	18:35	MD Reserve-upper bowling green	589	589	mainly north	approx 260 bats flew northeast
13 Sept	18:09	18:32	MD Reserve-upper bowling green	426	426	mainly north	approx 60 bats flew northeast
16 Sept	18:14	18:35	MD Reserve-upper bowling green	220	220	north to northeast	unable to count directions separately, bats circling around to gain altitude in strong northwest wind
17 Sept	18:14	18:38	MD Reserve-upper bowling green	757	757	mainly north	approx 230 flew northeast, 5 northwest
18 Sept	18:14	18:34	MD Reserve-upper bowling green	578	578	mainly northeast	approx 230 flew north, 3 flew northwest
19 Sept	18:11	18:36	MD Reserve-upper bowling green	573	573	mainly northeast	approx 270 flew north, 2 flew east, 3 flew northwest
20 Sept	18:15	18:37	MD Reserve-upper bowling green	664	664	mainly northeast	approx 270 flew north, 1 flew east
21 Sept	18:11	18:36	MD Reserve-upper bowling green	216	216	mainly north	approx 80 flew northeast
23 Sept	18:14	18:40	MD Reserve-upper bowling green	1110	1100	north to northeast	count only approx., fly-out too packed
24 Sept	18:17	18:44	MD Reserve-upper bowling green	1080	1080	north to northeast	count only approx., fly-out too packed
25 Sept	18:18	18:44	MD Reserve-upper bowling green	1040	1040	north to northeast	count only approx., fly-out too packed
26 Sept	18:19	18:52	MD Reserve-upper bowling green	1240	1240	north to northeast	count only approx., fly-out too packed
27 Sept	18:24	18:59	MD Reserve-upper bowling green	294	294	north to northeast	
28 Sept	18:22	18:51	MD Reserve-upper bowling green	1170	1170	north to northeast	count only approx., fly-out too packed
29 Sept	18:24	18:49	MD Reserve-upper bowling green	506	506	north to northeast	cool southerly, died down during fly-out
30 Sept	18:23	18:56	MD Reserve-upper bowling green	1670	1670	north to northeast	count only approx., fly-out too packed
1 Oct	18:22	18:52	MD Reserve-upper bowling green	1630	1630	north to northeast	count only approx., fly-out too packed
8 Oct	19:28	20:01	MD Reserve-upper bowling green	1210	1210	north to northeast	count only approx., fly-out too packed, 4 flew northwest

10 Oct	19:28	18:59	MD Reserve-upper bowling green	1070	north to 1070 northeast	count only approx., fly-out too packed and bats circling back
11 Oct	19:30	20:07	MD Reserve-upper bowling green	1950	north to 1950 northeast	count only approx., fly-out too packed
12 Oct	19:32	20:18	MD Reserve-upper bowling green	2070	north to 2070 northeast	count only approx., fly-out too packed
14 Oct	19:33	20:08	MD Reserve-upper bowling green	1040	north to 1040 northeast	count only approx., fly-out too packed
15 Oct	19:36	21:38	MD Reserve-upper bowling green	1152	1152 north	approx 200 flew northeast; rain and NE wind early in fly-out, easing later-fly-out unusually long
16 Oct	19:39	20:11	MD Reserve-upper bowling green	560	560 north north to	approx 80 flew northeast, 1 flew east; NE wind, many bats circling past, count approx.
17 Oct	19:37	20:03	MD Reserve-upper bowling green	725	725 northeast	2 bats flew east
18 Oct	19:39	20:08	MD Reserve-upper bowling green	292	292 north north to	approx 30 bats flew northeast
19 Oct	19:35	20:04	MD Reserve-upper bowling green	721	721 northeast	3 bats flew east
21 Oct	19:39	20:08	MD Reserve-upper bowling green	1870	north to 1870 northeast	count only approx., fly-out too packed; at 20:00 sound of bat squealing-?caught by predator
22 Oct	19:40	20:11	MD Reserve-upper bowling green	1570	1570 northeast	count only approx., fly-out too packed, approx 500 bats flew north, 2 bats flew east
24 Oct	19:39	20:09	MD Reserve-upper bowling green	714	714 northeast north to	2 bats flew east
26 Oct	19:45	20:18	MD Reserve-upper bowling green	1070	1070 northeast north to	count only approx., fly-out too packed
28 Oct	19:44	20:06	MD Reserve-upper bowling green	930	930 northeast north to	count only approx., fly-out too packed
29 Oct	19:44	20:11	MD Reserve-upper bowling green	1760	1760 northeast north to	count only approx., fly-out too packed
30 Oct	19:45	20:09	MD Reserve-upper bowling green	1990	1990 northeast north to	count only approx., fly-out too packed
31 Oct	19:46	20:08	MD Reserve-upper bowling green	870	870 northeast north to	count only approx., fly-out too packed
2 Nov	19:44	20:10	MD Reserve-upper bowling green	730	730 northeast north to	count only approx., fly-out too packed
5 Nov	19:46	20:11	MD Reserve-upper bowling green	640	640 northeast north to	count only approx., fly-out too packed and bats circling back
7 Nov	19:50	20:16	MD Reserve-upper bowling green	1350	1350 northeast	6 bats flew east, count only approx., fly-out too packed



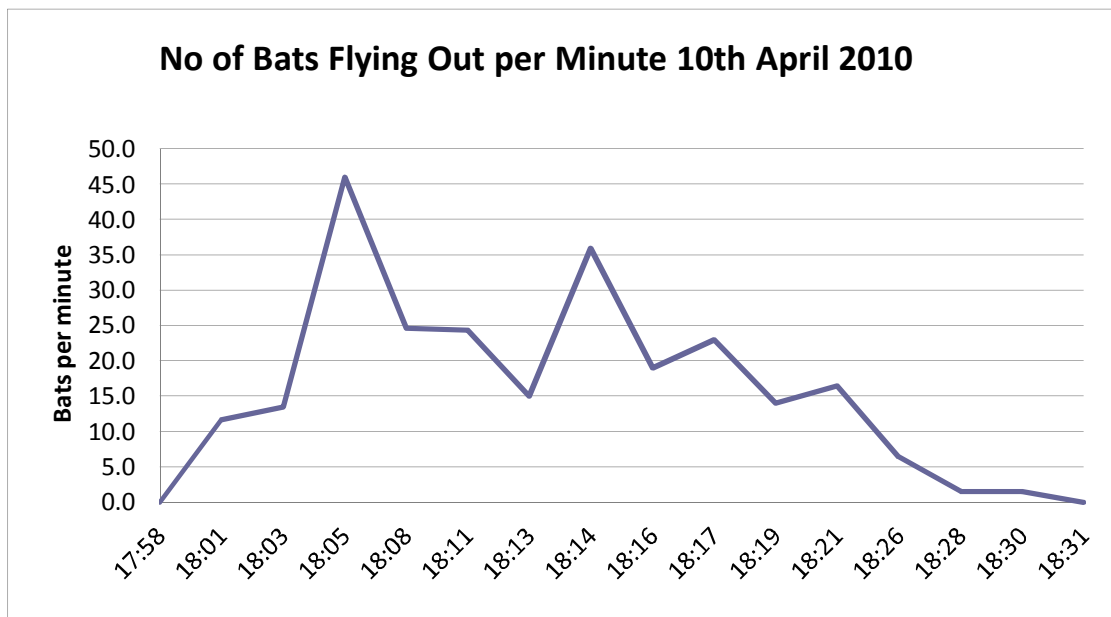
9 Nov	19:46	20:16	MD Reserve-upper bowling green	930	north to 930 northeast	4 bats flew east, count only approx., fly-out too packed
11 Nov	19:50	20:26	MD Reserve-upper bowling green	1190	north to 1190 northeast	2 bats flew east, count only approx., fly-out too packed
12 Nov	19:50	20:22	MD Reserve-upper bowling green	1030	north to 1030 northeast	5 bats flew east, count only approx., fly-out too packed 3 bats flew east, 4 northwest, count only approx., fly-out too packed and bats circling into northeast wind
13 Nov	19:50	20:31	MD Reserve-upper bowling green	1280	north to 1280 northeast	4 bats flew east, count only approx., fly-out too packed & bats circling into southerly wind
16 Nov	19:52	20:26	MD Reserve-upper bowling green	570	north to 570 northeast	6 bats flew east, count only approx., fly-out too packed 22 bats flew east, count only approx., fly-out too packed & bats circling into gentle southerly wind
18 Nov	19:58	20:35	MD Reserve-upper bowling green	660	north to 660 northeast	17 bats flew east, 4 northwest, count only approx., fly-out too packed & bats packed & bats circling into northeasterly wind
19 Nov	19:57	20:23	MD Reserve-upper bowling green	340	north to 340 northeast	
21 Nov	20:05	20:37	MD Reserve-upper bowling green	930	north to 930 northeast	
23 Nov	20:08	20:37	MD Reserve-upper bowling green	191	north to 191 northeast	20 bats flew east, bats circling into northeasterly wind

# Estimated Number of Flying Foxes in Myles Dunphy Camp



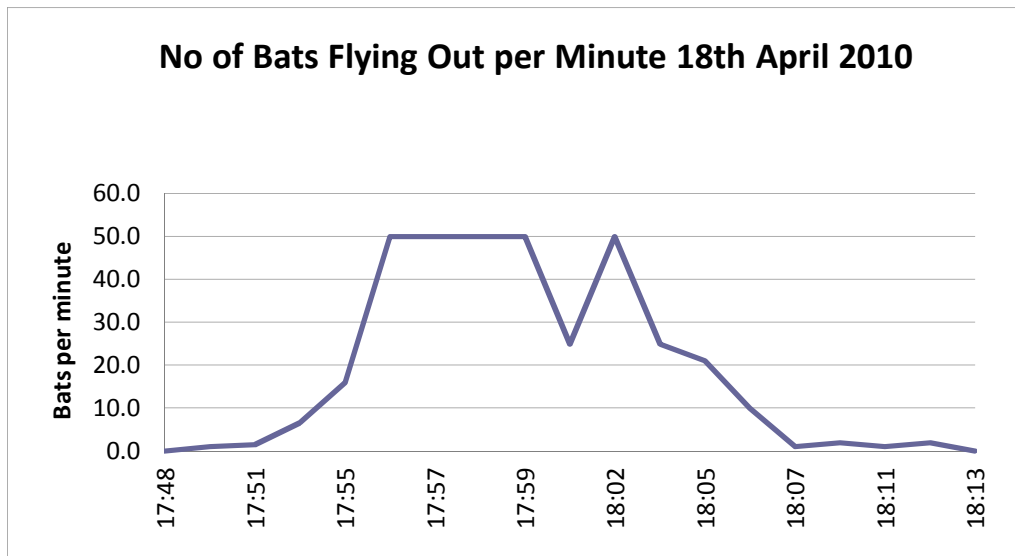
## Number of Bats Flying Out per Minute

Number of Bats Flying Out per Minute						
Date	Time	Cumulative No of Bats Flown Out	Additional Bats	Minutes	Bats per Minute	Remarks
10/04/2010	17:58	0	0	0	0.0	start of fly-out
10/04/2010	18:01	35	35	3	11.7	
10/04/2010	18:03	62	27	2	13.5	
10/04/2010	18:05	154	92	2	46.0	
10/04/2010	18:08	228	74	3	24.7	
10/04/2010	18:11	301	73	3	24.3	
10/04/2010	18:13	376	75	5	15.0	
10/04/2010	18:14	412	36	1	36.0	
10/04/2010	18:16	450	38	2	19.0	
10/04/2010	18:17	473	23	1	23.0	
10/04/2010	18:19	501	28	2	14.0	
10/04/2010	18:21	534	33	2	16.5	
10/04/2010	18:26	576	32	5	6.4	
10/04/2010	18:28	579	3	2	1.5	
10/04/2010	18:30	582	3	2	1.5	end of fly-out
10/04/2010	18:31	0	0	3	0.0	



## Number of Bats Flying Out per Minute

Number of Bats Flying Out per Minute 17th April 2010						
Date	Time	Cumulative No of Bats Flown Out	Additional Bats	Minutes	Bats per Minute	Remarks
18/04/2010	17:48	1	1	0	0.0	start of fly-out
18/04/2010	17:49	2	1	1	1.0	
18/04/2010	17:51	5	3	2	1.5	
18/04/2010	17:53	18	13	2	6.5	
18/04/2010	17:55	50	32	2	16.0	
18/04/2010	17:56	100	50	1	50.0	
18/04/2010	17:57	150	50	1	50.0	
18/04/2010	17:58	200	50	1	50.0	
18/04/2010	17:59	250	50	1	50.0	
18/04/2010	18:01	300	50	2	25.0	
18/04/2010	18:02	350	50	1	50.0	
18/04/2010	18:04	400	50	2	25.0	
18/04/2010	18:05	421	21	1	21.0	
18/04/2010	18:06	431	10	1	10.0	
18/04/2010	18:07	432	1	1	1.0	
18/04/2010	18:09	436	4	2	2.0	
18/04/2010	18:11	438	2	2	1.0	
18/04/2010	18:12	440	2	1	2.0	end of fly-out
18/04/2010	18:13	440	0	1	0.0	



26/04/2010	17:42	1	1	
26/04/2010	17:48	22	21	6
26/04/2010	17:50:10	53	33	
26/04/2010	17:51:38	86	33	
26/04/2010	17:52:15	107	21	
26/04/2010	17:56	126	19	