

BAGBY AIRFIELD

MOVEMENTS SURVEY

7 AUGUST 2008 TO 7 SEPTEMBER 2008

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INTRODUCTION

The proposed development of Bagby Airfield has given rise to much debate over the number of flights that take place at the Airfield both now and historically.

In order to provide an overview understanding of the number of flights over the last 10 years I prepared an initial movements report for Bagby Airfield dated 16 June 2008 based on empirical evidence that indicated likely movements upwards of 7525 per year.

To provide further information relating to the number of movements at Bagby Airfield it was decided to conduct an initial survey of aircraft movements. The survey was conducted for a calendar month from 7 August 2008 to 7 September 2008. The data for 24 August 2008 has been omitted from the survey results as a fly-in took place at the Airfield on that day with hundreds of movements and it is considered that this data would skew the results and lead to false conclusions.

The survey was conducted by requiring pilots to record their aircraft movements in a movements log provided for purposes of the survey. Large signs and notices were on display to this effect. Staff were instructed to remind visitors and resident pilots of the survey and to keep a constant check on aircraft movements to try and ensure that all flights were recorded where the pilot failed to do so. Video footage was also taken of movements to further ensure accuracy by subsequent analysis. The video footage was limited to staff operational hours.

Summaries are provided for the data collected for the whole survey and for 30 August 2008. The latter is provided as additional information as a separate noise survey was carried out on that date.

Report date : 5 December 2008

WEATHER

The weather during the survey was uncharacteristically poor for the time of year.

The following descriptions of the weather in England during August 2008 and September 2008 can be found on the BBC website:

AUGUST 2008 – Very unsettled with heavy rain or showers for much of the month. It was also an exceptionally dull month.

August saw rainfall at 152% of the 1961 to 1990 average and sunshine at only 67% of the 1961 to 1990 average.

SEPTEMBER 2008 – Unsettled and wet through the first half of the month and brighter through the second half.

September saw rainfall at 135% of the 1961 to 1990 average and sunshine at 67% of the 1961 to 1990 average despite the improvement towards the end of the month.

The survey was conducted from 7 August 2008 to 7 September 2008 and video footage shows many whole or part days with heavy rain and/or low cloud.

SUMMARY MOVEMENTS DATA

The following summarises the movements data recorded during the survey analyzed by type.

Aircraft Class	Quantity	Proportion
Helicopter	112	17.4%
Single	440	68.3%
Twin	3	0.5%
Microlight	87	13.5%
Gyro	2	0.3%
Totals	644	100.0%

The following summarises the runway usage for take-offs and landings.

Runway	Purpose	Proportion
24	Take off	93.0%
06	Take off	7.0%
Total take offs		100.0%
06	Landing	47.8%
24	Landing	52.2%
Total landings		100.0%

No take offs or landings were recorded on runway 15/33.

SUMMARY MOVEMENTS DATA ON 30 AUGUST 2008

This data is provided as it represents movements recorded on the day when a separate noise survey was carried out.

The following summarises the movements data recorded for 30 August 2008 analyzed by type.

Aircraft Class	Quantity	Proportion
Helicopter	9	22.0%
Single	25	61.0%
Twin	1	2.4%
Microlight	6	14.6%
Gyro	0	0.0%
Totals	41	100.0%

The following summarises the runway usage for take-offs and landings on 30 August 2008.

Runway	Purpose	Proportion
24	Take off	95.0%
06	Take off	5.0%
Total take offs		100.0%
06	Landing	85.7%
24	Landing	14.3%
Total landings		100.0%

SURVEY RESULTS

The movements log data collected was checked with the video footage collected and adjusted where necessary to provide as accurate a position as possible. Some video data was lost either as a result of human error or otherwise but sufficient footage was recorded to facilitate a substantial reconciliation exercise.

On instigating the survey it was anticipated that the results would represent a better than average month for aircraft movements. However, the weather during August and early September was uncharacteristically poor and significantly reduced activity at the Airfield.

Intuitively the poor weather would indicate that the month is likely to have below or near average number of movements although a definitive position could only be reached (by way of survey) by conducting either a further prolonged survey or further small surveys throughout a year.

The total number of movements during the survey was 644 on 31 days. This gives an annualized rate of 7583 movements.

In addition to movement's data, data was recorded to identify runway usage.

Landings at the Airfield were split reasonably equally between 06 and 24 and unsurprisingly this was dictated primarily by wind conditions with aircraft landing into wind.

Take offs were predominantly on runway 24 flying away from the village at 93%. This is due to both the incline of the runway and the noise abatement procedures as take offs are much noisier than landing.

APPENDIX 1 : Movements Data Daily Summary

The movement's data collected analyzed by day was as follows:

Date	Helicopters	Microlight	Single	Twin	Gyro	Total
07/08/08	0	0	10	0	0	10
08/08/08	0	4	20	0	2	26
09/08/08	14	2	12	0	0	28
10/08/08	8	1	19	0	0	28
11/08/08	0	0	4	0	0	4
12/08/08	0	0	6	0	0	6
13/08/08	2	0	19	0	0	21
14/08/08	4	0	5	0	0	9
15/08/08	8	4	27	0	0	39
16/08/08	16	0	12	0	0	28
17/08/08	10	8	28	0	0	46
18/08/08	0	0	2	0	0	2
19/08/08	2	0	0	0	0	2
20/08/08	1	0	14	1	0	16
21/08/08	1	0	11	0	0	12
22/08/08	0	2	14	0	0	16
23/08/08	10	31	38	0	0	79
25/08/08	2	0	14	0	0	16
26/08/08	0	0	9	0	0	9
27/08/08	4	6	42	0	0	52
28/08/08	0	0	19	0	0	19
29/08/08	3	0	25	0	0	28
30/08/08	9	6	25	1	0	41
31/08/08	0	0	1	1	0	2
01/09/08	3	0	2	0	0	5
02/09/08	0	1	11	0	0	12
03/09/08	1	0	11	0	0	12
04/09/08	2	0	10	0	0	12
05/09/08	0	0	1	0	0	1
06/09/08	7	14	8	0	0	29
07/09/08	5	8	21	0	0	34
	112	87	440	3	2	644

APPENDIX 2 : Movements Data 30 August 2008

The movement's data on the day of the noise survey was as follows:

ID	DATE	TIME	M'MENT	REG	TYPE	Class	Land	T/Off
497	30/08/08	09:22	T/Off	F-GOTC	Cap232	Single	-	06
498	30/08/08	09:44	T/Off	G-OMLS	Bell 206	Helicopter	-	24
499	30/08/08	10:43	T/Off	G-AVMD	C150	Single	-	24
500	30/08/08	10:48	Land	G-OMLS	Bell 206	Helicopter	06	-
501	30/08/08	10:49	T/Off	G-RONS	Robin DR400	Single	-	24
502	30/08/08	11:12	T/Off	G-CDDP	Edge	Single	-	24
503	30/08/08	11:19	T/Off	G-BIDI	PA28 Cherokee Arrow	Single	-	24
504	30/08/08	11:37	Land	G-CDDP	Edge	Single	06	-
505	30/08/08	11:41	Land	G-BOYC	R22	Helicopter	06	-
506	30/08/08	11:46	T/Off	G-OMLS	Bell 206	Helicopter	-	24
507	30/08/08	12:10	Land	G-ERIS	Hughes 500	Helicopter	06	-
508	30/08/08	12:15	Land	G-NNAC	Super Cub	Single	06	-
509	30/08/08	12:17	Land	G-BPRJ	AS355	Helicopter	06	-
510	30/08/08	12:19	Land	G-AVMD	C150	Single	06	-
511	30/08/08	12:26	Land	M-EDIA	PA34	Twin	06	-
512	30/08/08	12:29	Land	G-OMLS	Bell 206	Helicopter	06	-
513	30/08/08	12:29	Land	N562RR	PA32 Cherokee	Single	06	-
514	30/08/08	12:34	T/Off	G-NNAC	Super Cub	Single	-	24
515	30/08/08	12:41	T/Off	N562RR	PA32 Cherokee	Single	-	24
516	30/08/08	12:45	T/Off	G-BOYC	R22	Helicopter	-	24
517	30/08/08	13:14	T/Off	G-CDDP	Edge	Single	-	24
518	30/08/08	13:17	T/Off	G-ERIS	Hughes 500	Helicopter	-	24
519	30/08/08	13:40	Land	G-CDDP	Edge	Single	06	-
520	30/08/08	13:47	T/Off	G-CEVA	Ikarus	Microlight	-	24
521	30/08/08	14:06	Land	G-CEVA	Ikarus	Microlight	06	-
522	30/08/08	14:11	T/Off	G-MNZJ	Shadow	Microlight	-	24
523	30/08/08	14:26	Land	G-MNZJ	Shadow	Microlight	06	-
524	30/08/08	15:15	T/Off	G-MNZJ	Shadow	Microlight	-	24
525	30/08/08	15:18	T/Off	G-BUJ	Firefly	Single	-	24
526	30/08/08	15:22	Land	G-BUYS	Robin DR400	Single	06	-
527	30/08/08	15:30	Land	G-MNZJ	Shadow	Microlight	24	-
528	30/08/08	16:13	T/Off	G-BUYS	Robin DR400	Single	-	24
529	30/08/08	16:25	Land	G-BAKM	Robin DR400	Single	24	-
530	30/08/08	16:27	Land	G-BUJ	Firefly	Single	06	-
531	30/08/08	16:48	T/Off	G-BAKM	Robin DR400	Single	-	24
532	30/08/08	16:54	Land	N562RR	PA32 Cherokee	Single	24	-
533	30/08/08	16:58	T/Off	G-SIMY	PA32 Cherokee	Single	-	24
534	30/08/08	17:06	T/Off	N562RR	PA32 Cherokee	Single	-	24
535	30/08/08	17:33	Land	G-BIDI	PA28 Cherokee Arrow	Single	06	-
536	30/08/08	18:53	Land	F-GOTC	Cap232	Single	06	-
537	30/08/08	19:43	Land	G-SKYC	Firefly	Single	06	-