

August 2012

AIRCRAFT OPERATIONS COUNTING PROGRAM

2010/11

OPERATIONS FOR FIVE NON-TOWERED AIRPORTS

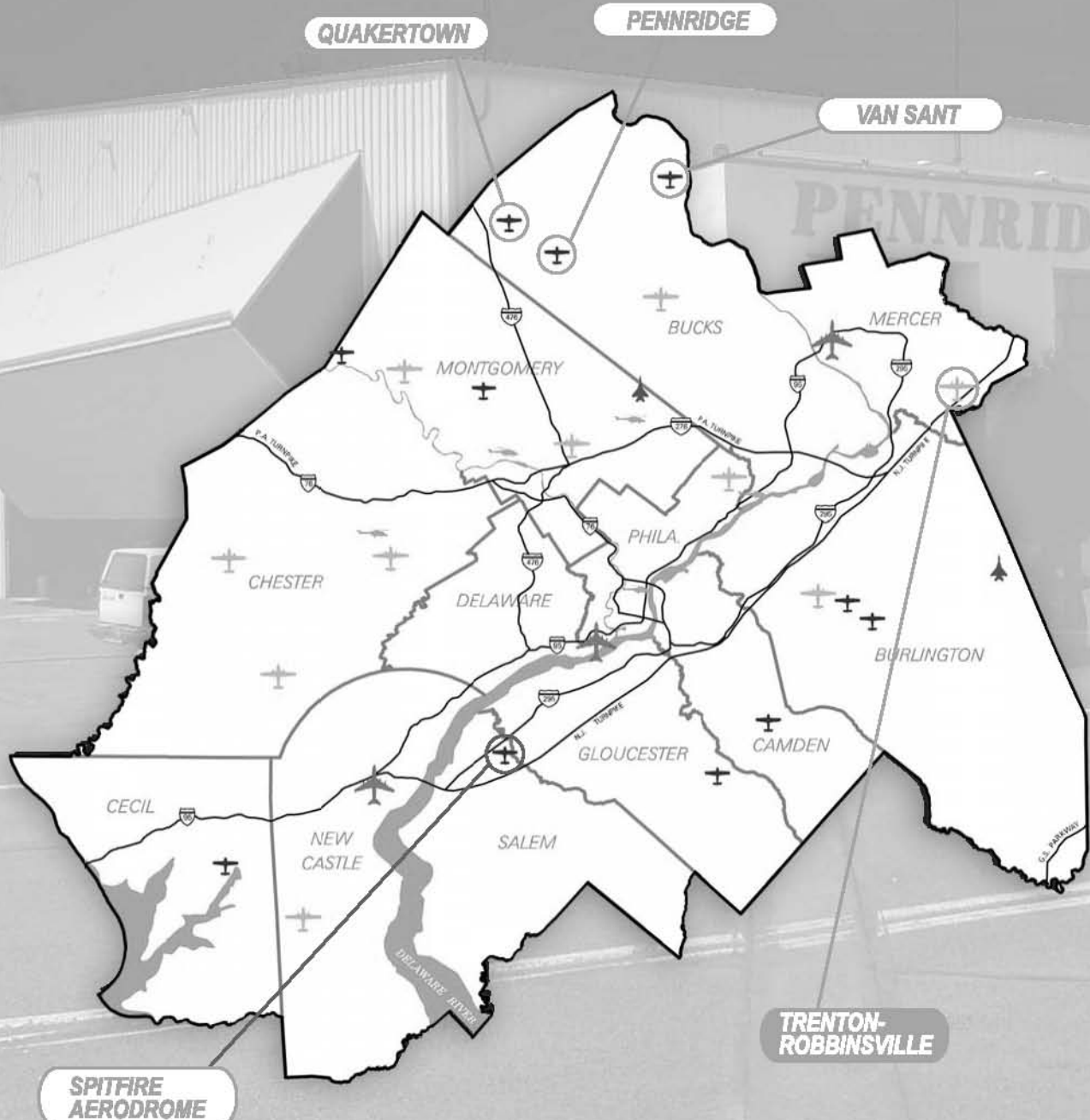


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The Delaware Valley Regional Planning Commission is dedicated to uniting the region's elected officials, planning professionals, and the public with a common vision of making a great region even greater. Shaping the way we live, work, and play, DVRPC builds consensus on improving transportation, promoting smart growth, protecting the environment, and enhancing the economy. We serve a diverse region of nine counties: Bucks, Chester, Delaware, Montgomery, and Philadelphia in

Pennsylvania; and Burlington, Camden, Gloucester, and Mercer in New Jersey. DVRPC is the federally designated Metropolitan Planning Organization for the Greater Philadelphia Region — leading the way to a better future.



The symbol in our logo is adapted from the official DVRPC seal and is designed as a stylized image of the Delaware Valley. The outer ring symbolizes the region as a whole while the diagonal bar signifies the Delaware River. The two adjoining crescents represent the Commonwealth of Pennsylvania and the State of New Jersey.

DVRPC is funded by a variety of funding sources including federal grants from the U.S. Department of Transportation's Federal Highway Administration (FHWA) and Federal Transit Administration (FTA), the Pennsylvania and New Jersey departments of transportation, as well as by DVRPC's state and local member governments. This study is funded exclusively by the Federal Aviation Administration (FAA). The authors, however, are solely responsible for the findings and conclusions herein, which may not represent the official views or policies of the funding agencies.

DVRPC fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. DVRPC's website (www.dvrpc.org) may be translated into multiple languages. Publications and other public documents can be made available in alternative languages and formats, if requested. For more information, please call (215) 238-2871.

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Executive Summary

The Delaware Valley Regional Planning Commission (DVRPC) has conducted aircraft operations counts at non-towered airports in a 12-county, four-state region since 1986. The Federal Aviation Administration (FAA) continued funding this program to include five of 20 DVRPC Regional Airport System Plan (RASP) facilities. From April 2010 to March 2011, the following airports were surveyed: Pennridge Airport, Quakertown Airport, and Van Sant Airport in Pennsylvania; and Spitfire Aerodrome and Trenton-Robbinsville Airport in New Jersey.

Pages 3 to 5 highlight Annual Aircraft Operation trends for total aircraft, fixed wing, and helicopter operations observed between the previous 2007/08 and the current 2010/11 survey for comparison. This report illustrates the Larson & Davis Acoustic Counter Software (ACS) weekly takeoff data, as well as the projected seasonal and annual takeoff and landing totals as estimated by a separate DVRPC counting software program for each surveyed airport during 2010/2011. 87,880 total annual operations were estimated for the five regional airports included in this year's counting program, compared to 89,979 total annual operations in the previous corresponding counting programs of the same five airports. The comparison of the data indicates a 2.3 percent decrease in total operations for 2010/2011 over the total aircraft operations during counts for 2007/08.

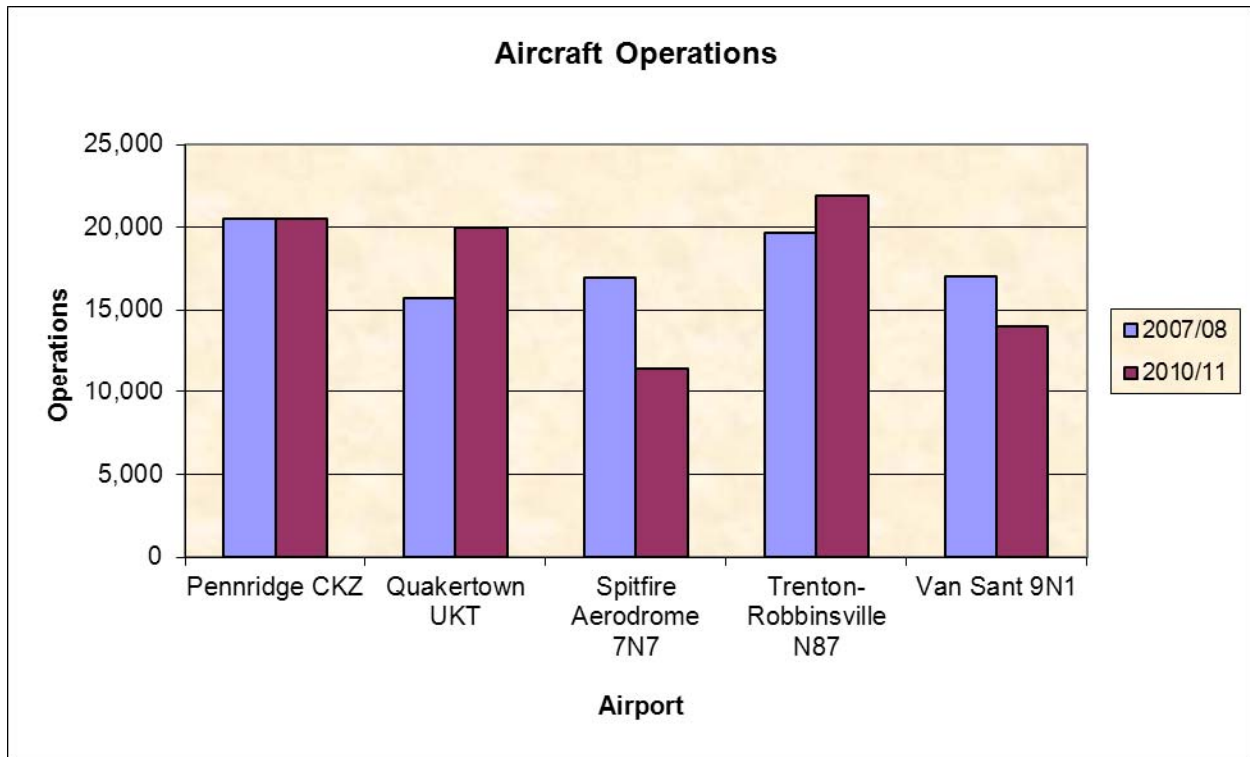
The following procedure is applied to all airport counts during the entire program. Eight one-week-long counting surveys are taken over the course of one calendar year. These counts are scheduled twice each season. A four- to six-week interval between counts occurs before the equipment is set at the same airport again. Keeping the intervals between setting and resetting of the counters at each airport as consistent as possible ensures the most accurate statistical operations estimate. The LDL 820 Sound Level Meter is activated by set minimum noise levels only during aircraft takeoff activity. The data collected is saved to the LDL 820 memory. Staff collects the equipment after each week of counts. The data is downloaded to the Aircraft Counting System and then checked manually for event-related errors. The Aircraft Counting System report format displays weekly aircraft operations (takeoffs only, since most propeller landings are almost silent) by hour and day for each week counted. Finally, the data is entered into and extrapolated by the DVRPC counting software, which estimates seasonal and annual total takeoffs and landings.

Historic counting data since 1986 is also available for all RASP airports through DVRPC's Office of Freight and Aviation Planning. Please contact Reiner Pelzer rpelzer@dvrpc.org or Dave Metzler dmetzler@dvrpc.org by email or call (215) 592-1800 for more information.

Table 1

Total Annual Aircraft Operations					
Airport		2007/08	2010/11	Quantity Difference	Percentile Difference
Pennridge CKZ		20,552	20,527	-25	0
Quakertown UKT*		15,760	19,951	4191	27
Spitfire Aerodrome 7N7		16,971	11,463	-5508	-33
Trenton-Robbinsville N87		19,645	21,926	2281	12
Van Sant 9N1		17,051	14,013	-3038	-18
Total Operations		89,979	87,880	-2099	-2

*Previous count for Quakertown was 2008/09

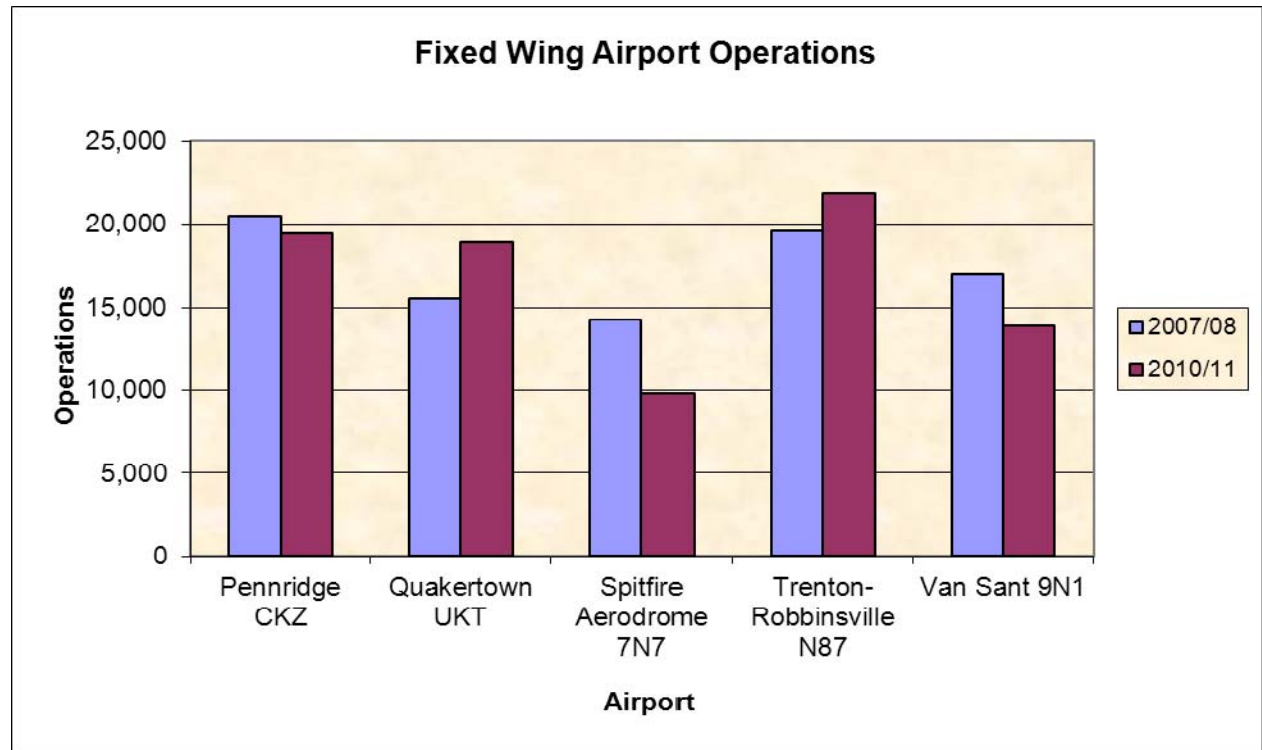


*Previous count for Quakertown was 2008/09

Table 2

Total Annual Fixed Wing Operations				
Airport	2007/08	2010/11	Quantity Difference	Percentile Difference
Pennridge CKZ	20,500	19,413	-1,087	-5
Quakertown UKT*	15,560	18,908	3,348	22
Spitfire Aerodrome 7N7	14,280	9,844	-4,436	-31
Trenton-Robbinsville N87	19,591	21,820	2,229	11
Van Sant 9N1	16,991	13,860	-3,131	-18
Total Operations	86,922	83,845	-3,078	-4

*Previous count for Quakertown was 2008/09

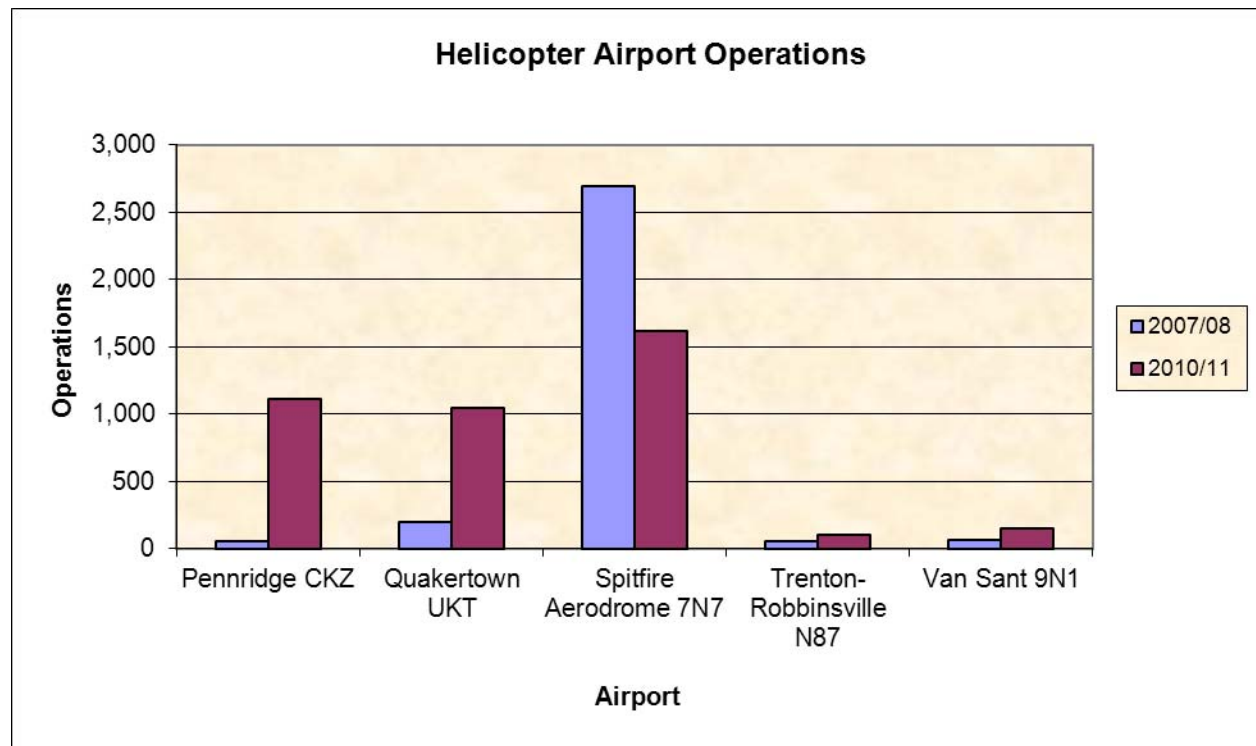


*Previous count for Quakertown was 2008/09

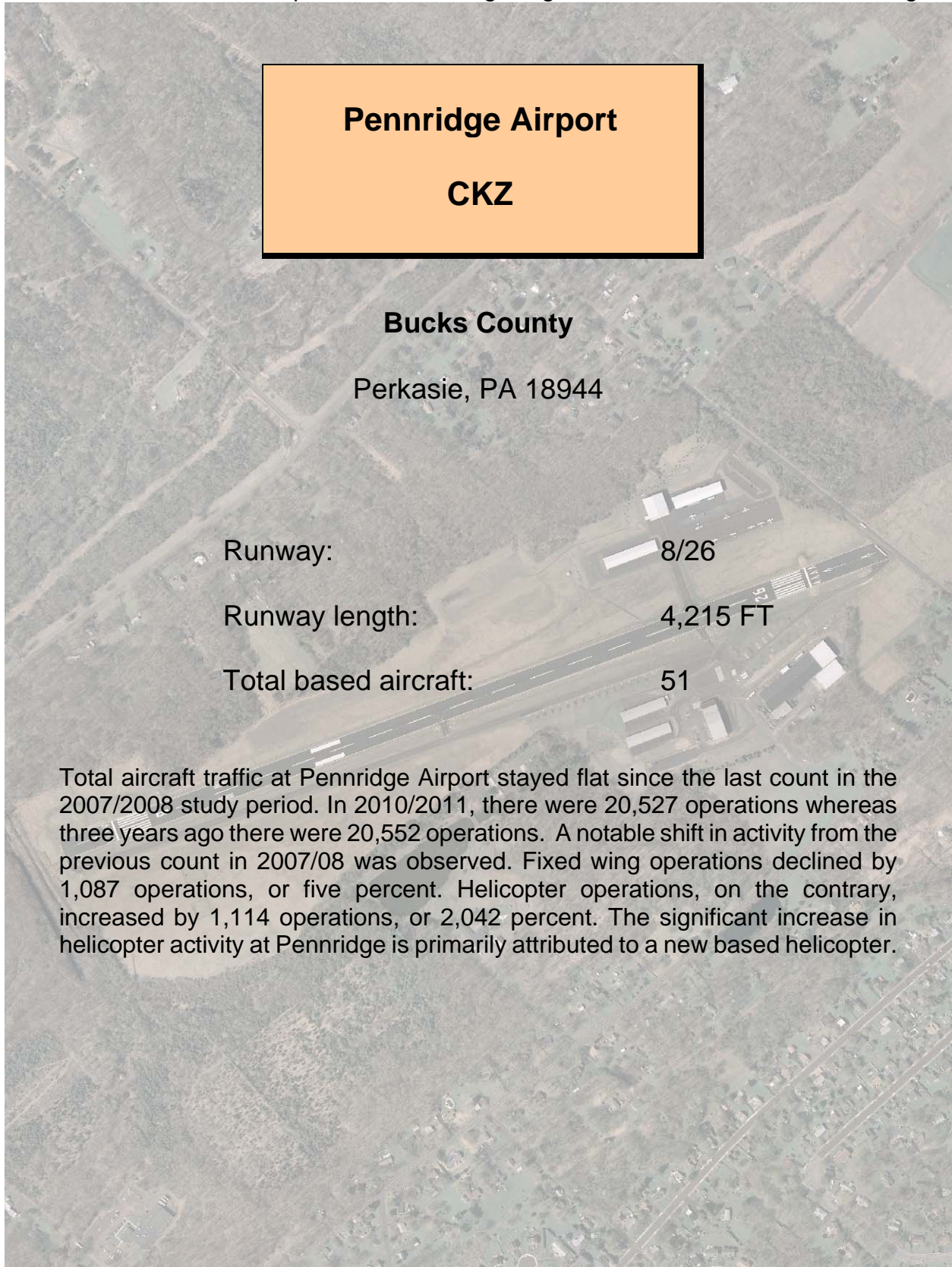
Table 3

Total Annual Helicopter Operations				
Airport	2007/08	2010/11	Quantity Difference	Percentile Difference
Pennridge CKZ	52	1,114	1,062	2,042
Quakertown UKT*	200	1,043	843	421
Spitfire Aerodrome 7N7	2,691	1,619	-1,072	-40
Trenton-Robbinsville N87	54	106	52	96
Van Sant 9N1	60	153	93	155
Total Operations	3,057	4,035	978	32

*Previous count for Quakertown was 2008/09



*Previous count for Quakertown was 2008/09



Penridge Airport
CKZ

Bucks County

Perkasie, PA 18944

Runway:	8/26
Runway length:	4,215 FT
Total based aircraft:	51

Total aircraft traffic at Penridge Airport stayed flat since the last count in the 2007/2008 study period. In 2010/2011, there were 20,527 operations whereas three years ago there were 20,552 operations. A notable shift in activity from the previous count in 2007/08 was observed. Fixed wing operations declined by 1,087 operations, or five percent. Helicopter operations, on the contrary, increased by 1,114 operations, or 2,042 percent. The significant increase in helicopter activity at Penridge is primarily attributed to a new based helicopter.

DVRPC Aircraft Counting Program

Annual Summary

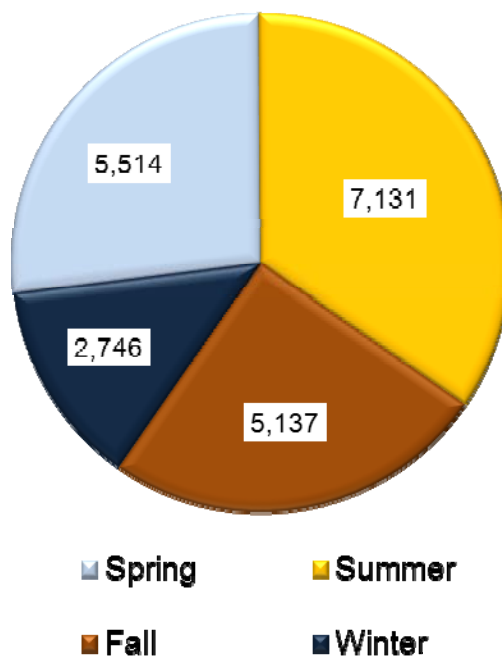
Airport: **CKZ Pennridge Airport**

County: **Bucks**

Table 4: CKZ Pennridge Airport Annual Summary

Season & Year		Average Daily Operations	Total Seasonal Operations	Percent of Annual Operations
Spring	2010	59.3	5,514	27%
Summer	2010	75.9	7,131	35%
Fall	2010	57.7	5,137	25%
Winter	2011	30.9	2,746	13%
Total Annual Operations:			20,528	100%
Margin of Error:			15 at 95% Confidence	

Figure 1: CKZ Pennridge Airport Annual Summary



Weekly Activity Report
 CKZ Pennridge Airport
 CKZ Spring I 2010

For: 11 April 2010 - 17 April 2010

Day->	Sun 11-Apr	Mon 12-Apr	Tues 13-Apr	Wed 14-Apr	Thurs 15-Apr	Fri 16-Apr	Sat 17-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1					1	
8 am	1	1	1		1	2	2
9 am	4		5	1			1
10 am	3			1	1		1
11 am	6	1	1		3		4
12 pm	4	2		2	6	1	5
1 pm	5	2		7	4	5	5
2 pm				4	2	3	1
3 pm	5			1	2		1
4 pm	4	1			6	5	3
5 pm		6		1	1	8	3
6 pm	3	8	1	6	10		4
7 pm				6	5		2
8 pm				2	1		
9 pm			1		1		
10 pm				1			
11 pm							
Prorated Daily Helicopter Activity	2	2	2	2	2	2	2
Total Daily Aircraft Takeoffs	38	23	11	34	45	27	34
Prorated Total Helicopter Activity	14						
Total Fixed Wing Activity	198						
Total Aircraft Takeoffs =	212						

Weekly Activity Report
 CKZ Pennridge Airport
 CKZ Spring II 2010

For: 15 May 2010 - 21 May 2010

Day->	Sat 15-May	Sun 16-May	Mon 17-May	Tues 18-May	Wed 19-May	Thurs 20-May	Fri 21-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am			1			1	
8 am	1					1	3
9 am	3	5				1	2
10 am	6	4	1		1	2	5
11 am		6	2		1	3	2
12 pm	3	6	2	1		5	6
1 pm		8	1			3	2
2 pm	1	5	1	1	3		1
3 pm	2	5			1	3	2
4 pm	1	3				5	3
5 pm	1	3			3	2	4
6 pm	4	6			2	3	7
7 pm		5				6	3
8 pm	2	6				2	1
9 pm						1	3
10 pm							
11 pm							
Prorated Daily Helicopter Activity	2	2	2	2	2	2	2
Total Daily Aircraft Takeoffs	26	64	10	4	13	40	46
Prorated Total Helicopter Activity	14						
Total Fixed Wing Activity	189						
Total Aircraft Takeoffs =	203						

Weekly Activity Report
 CKZ Pennridge Airport
 CKZ Summer I 2010

For: 18 July 2010 - 24 July 2010

Day->	Sun 18-Jul	Mon 19-Jul	Tues 20-Jul	Wed 21-Jul	Thurs 22-Jul	Fri 23-Jul	Sat 24-Jul
12 am	1						
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1		1	1	1	4	2
8 am	5		2	6	5	6	7
9 am	9	1	3	2	4	4	8
10 am	13	2	6	1	5	2	6
11 am	5	1	9	6	2	2	3
12 pm	3		10	3			4
1 pm	4		1	1	1	4	4
2 pm	4	1	1			2	3
3 pm	1				1		4
4 pm			1		5		1
5 pm	4		2	1	2		3
6 pm	2		1	1			4
7 pm		1	1				3
8 pm		1					2
9 pm							
10 pm				1			
11 pm							
Prorated Daily Helicopter Activity	3	3	3	3	3	3	3
Total Daily Aircraft Takeoffs	55	10	41	26	29	27	57
Prorated Total Helicopter Activity	21						
Total Fixed Wing Activity	224						
Total Aircraft Takeoffs =	245						

Weekly Activity Report
 CKZ Pennridge Airport
 CKZ Summer II 2010

For: 14 August 2010 - 20 August 2010

Day->	Fri 14-Aug	Sat 15-Aug	Sun 16-Aug	Mon 17-Aug	Tues 18-Aug	Wed 19-Aug	Thurs 20-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	2						2
7 am	2	1					1
8 am	3	3	1	4		1	7
9 am	8	4		2		2	1
10 am	8	6		1	1		5
11 am	5	2		2	4	1	3
12 pm	14	7		5	4	3	6
1 pm	4	7		3	6	5	4
2 pm	4	4		4	3	4	4
3 pm	6	3		8	3	1	2
4 pm	3	3	6	4	7	1	5
5 pm			4	4	2	4	3
6 pm				3		2	4
7 pm				3			3
8 pm	1			1			
9 pm							1
10 pm				5			
11 pm							
Prorated Daily Helicopter Activity	3	3	3	3	3	3	3
Total Daily Aircraft Takeoffs	63	43	14	52	33	27	54
Prorated Total Helicopter Activity	21						
Total Fixed Wing Activity	265						
Total Aircraft Takeoffs =	286						

Weekly Activity Report
 CKZ Pennridge Airport
 CKZ Fall I 2010

For: 20 October 2010 - 26 October 2010

Day->	Wed 20-Oct	Thurs 21-Oct	Fri 22-Oct	Sat 23-Oct	Sun 24-Oct	Mon 25-Oct	Tues 26-Oct
12 am					1		
1 am							
2 am							
3 am							
4 am							
5 am				1			
6 am		1		1			1
7 am							1
8 am			1	2	3	2	1
9 am		1	1	7	5	3	1
10 am	1	2	3	10	7		1
11 am	2		3	6	10	5	1
12 pm	2			4	9	1	2
1 pm	2	1	2	6	14	1	3
2 pm	1		1	5	4		1
3 pm	5	1		2	10	1	1
4 pm	1	2		5	12		
5 pm				3	6		
6 pm				1	2	1	
7 pm		1					
8 pm						1	
9 pm		1				1	
10 pm							
11 pm							
Prorated Daily Helicopter Activity	1	1	1	1	1	1	1
Total Daily Aircraft Takeoffs	15	11	12	54	84	17	14
Prorated Total Helicopter Activity	7						
Total Fixed Wing Activity	200						
Total Aircraft Takeoffs =	207						

Weekly Activity Report
 CKZ Pennridge Airport
 CKZ Fall II 2010

For: 2 December 2010 - 8 December 2010

Day->	Sat 2-Dec	Sun 3-Dec	Mon 4-Dec	Tues 5-Dec	Wed 6-Dec	Thurs 7-Dec	Fri 8-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							1
7 am	1	1	5	1	1	1	1
8 am	2	6	6	3	1	2	3
9 am	5	4	2	6	3	2	2
10 am	8	1	1	5	5	2	1
11 am	5	2		5	6	3	7
12 pm	3	1	7		4	5	3
1 pm	6	6	2	1	1	5	3
2 pm	6	1	4		1	1	2
3 pm	2	4	1		1		
4 pm		1					2
5 pm		4					
6 pm		1					
7 pm							
8 pm							
9 pm							
10 pm							2
11 pm							
Prorated Daily Helicopter Activity	1	1	1	1	1	1	1
Total Daily Aircraft Takeoffs	39	33	29	22	24	22	28
Prorated Total Helicopter Activity	7						
Total Fixed Wing Activity	190						
Total Aircraft Takeoffs =	197						

Weekly Activity Report
 CKZ Pennridge Airport
 CKZ Winter I 2011

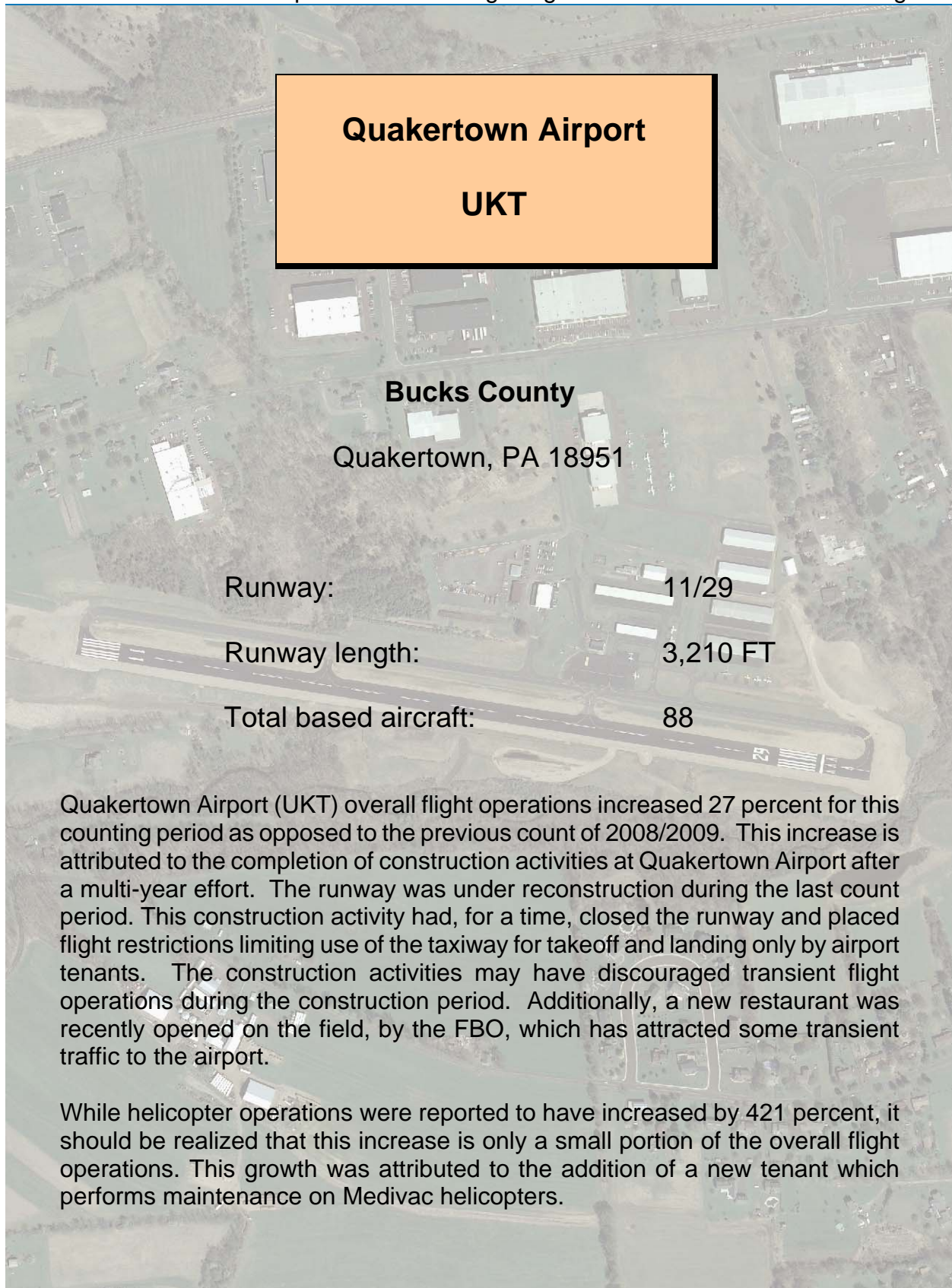
For: 19 January 2011 - 25 January 2011

Day->	Wed 19-Jan	Thurs 20-Jan	Fri 21-Jan	Sat 22-Jan	Sun 23-Jan	Mon 24-Jan	Tues 25-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am					3		
8 am		1	1		7	1	
9 am					5		
10 am				2	1	1	1
11 am		1	1	1	3		
12 pm			9		5		
1 pm	1	1	4	1	4		7
2 pm	3	4			6	1	1
3 pm	1	7		1	3	1	1
4 pm		1		1	1	1	
5 pm				1	1		
6 pm							
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	0	0	0	0	0	0	0
Total Daily Aircraft Takeoffs	5	15	15	7	39	5	10
Prorated Total Helicopter Activity	0						
Total Fixed Wing Activity	96						
Total Aircraft Takeoffs =	96						

Weekly Activity Report
 CKZ Penridge Airport
 CKZ Winter II 2011

For: 3 March 2011 - 9 March 2011

Day->	Thurs 3-Mar	Fri 4-Mar	Sat 5-Mar	Sun 6-Mar	Mon 7-Mar	Tues 8-Mar	Wed 9-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1					
7 am				2			1
8 am		1	1	1		1	2
9 am				3	1	2	2
10 am			7	4			2
11 am		1		5	1	2	3
12 pm			1	6			
1 pm	2	1	1	4		2	3
2 pm	2			5		11	
3 pm	2	3		6		2	2
4 pm	1	1		4	1		1
5 pm		2		2		3	
6 pm	1	1		1	1	3	
7 pm						1	
8 pm	1						
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	0	0	0	0	0	0	0
Total Daily Aircraft Takeoffs	9	11	10	43	4	27	16
Prorated Total Helicopter Activity	0						
Total Fixed Wing Activity	120						
Total Aircraft Takeoffs =	120						



DVRPC Aircraft Counting Program

Annual Summary

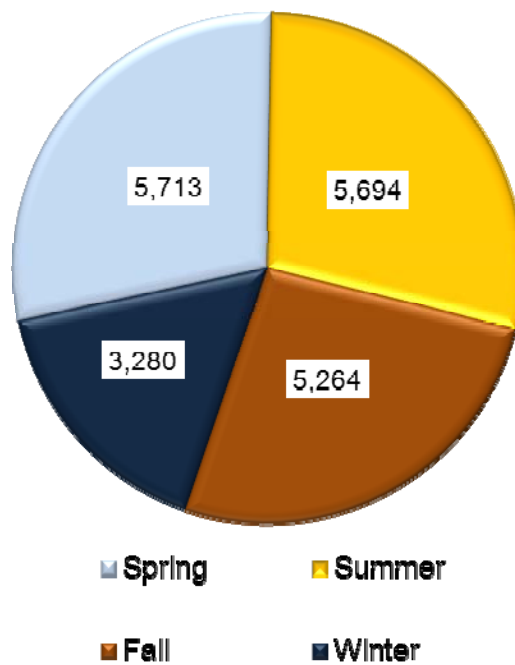
Airport: **UKT Quakertown Airport**

County: **Bucks**

Table 5: UKT Quakertown Airport Annual Summary

Season & Year		Average Daily Operations	Total Seasonal Operations	Percent of Annual Operations
Spring	2010	61.4	5,713	29%
Summer	2010	60.6	5,694	29%
Fall	2010	59.1	5,264	26%
Winter	2011	36.9	3,280	16%
Total Annual Operations:			19,951	100%
Margin of Error:				15 at 95% Confidence

Figure 2: UKT Quakertown Airport Annual Summary



Weekly Activity Report
 UKT Quakertown Airport
 UKT Spring I 2010

For: 11 April 2010 - 17 April 2010

Day->	Sun 11-Apr	Mon 12-Apr	Tues 13-Apr	Wed 14-Apr	Thurs 15-Apr	Fri 16-Apr	Sat 17-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am					1		
8 am							
9 am	11	1	1		1		2
10 am		3		6	1	3	11
11 am	2	3	1	4		3	6
12 pm	3	6		1		1	6
1 pm	3	1		1	1	2	5
2 pm	3	1				1	
3 pm	3		1		5	1	1
4 pm		3		1	2	2	
5 pm	4	2		3		1	
6 pm	4		1	2	1		
7 pm	7	2	4	3	4		
8 pm	5	5		2			
9 pm		2		2	1		
10 pm		1					
11 pm		1					
Prorated Daily Helicopter Activity		2	2	2	2	2	
Total Daily Aircraft Takeoffs	45	33	10	27	19	16	31
Prorated Total Helicopter Activity	10						
Total Fixed Wing Activity	171						
Total Aircraft Takeoffs =	181						

Weekly Activity Report
 UKT Quakertown Airport
 UKT Spring II 2010

For: 15 May 2010 - 21 May 2010

Day->	Sat 15-May	Sun 16-May	Mon 17-May	Tues 18-May	Wed 19-May	Thurs 20-May	Fri 21-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	4	3				1	4
8 am	10	6	1		2	1	7
9 am	14	1				2	8
10 am	12	3	1			3	7
11 am	9	4	6		1	1	4
12 pm	3	2	3				2
1 pm	3	5	4			7	3
2 pm	3	3	6			5	4
3 pm			1				3
4 pm		3			4		1
5 pm	1	5			4	4	1
6 pm	2	6			2	2	3
7 pm	1	2			8	4	5
8 pm						5	
9 pm	1						1
10 pm	1						
11 pm		1					
Prorated Daily Helicopter Activity			2	2	2	2	2
Total Daily Aircraft Takeoffs	64	44	24	2	23	37	55
Prorated Total Helicopter Activity	10						
Total Fixed Wing Activity	239						
Total Aircraft Takeoffs =	249						

Weekly Activity Report
 UKT Quakertown Airport
 UKT Summer I 2010

For: 26 June 2010 - 2 July 2010

Day->	Thurs 26-Jun	Fri 27-Jun	Sat 28-Jun	Sun 29-Jun	Mon 30-Jun	Tues 1-Jul	Wed 2-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							1
6 am	1			1			
7 am			3			1	2
8 am	1	9	5		1	2	2
9 am	6	2	3		1	3	2
10 am	3	2	1	6	4	1	1
11 am	2	1	1	1	2	4	3
12 pm	1	3	1		1		2
1 pm	5		1		1	1	2
2 pm	5	1	2		1		2
3 pm	6	3	2			3	2
4 pm	1		1	1	1	1	6
5 pm		4	1	4	2	1	4
6 pm	1	5	1	2	1	2	6
7 pm		1	1	4	1		3
8 pm			1	1	1	1	
9 pm			1	1	4		
10 pm							1
11 pm							
Prorated Daily Helicopter Activity	2	2			2	2	2
Total Daily Aircraft Takeoffs	34	33	25	21	23	22	41
Prorated Total Helicopter Activity	10						
Total Fixed Wing Activity	189						
Total Aircraft Takeoffs =	199						

Weekly Activity Report
 UKT Quakertown Airport
 UKT Summer II 2010

For: 25 August 2010 - 31 August 2010

Day->	Tues 25-Aug	Wed 26-Aug	Thurs 27-Aug	Fri 28-Aug	Sat 29-Aug	Sun 30-Aug	Mon 31-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							1
7 am		1		1			
8 am	5	11			2	1	2
9 am	18				2	1	2
10 am	11	1		6	5	2	2
11 am	12	1		1	5		
12 pm	15	1		1	1	3	4
1 pm	4			4	1	6	1
2 pm	4				5	1	2
3 pm	4	2	1	1	2		
4 pm	2		1	2	5	2	
5 pm	1			4		4	
6 pm	1			6	1	4	4
7 pm	5				1	2	4
8 pm	1		1	3		5	
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	2	2	2	2			2
Total Daily Aircraft Takeoffs	85	19	5	31	30	31	24
Prorated Total Helicopter Activity	10						
Total Fixed Wing Activity	215						
Total Aircraft Takeoffs =	225						

Weekly Activity Report
 UKT Quakertown Airport
 UKT Fall I 2010

For: 5 October 2010 - 11 November 2010

Day->	Mon 5-Oct	Tues 6-Oct	Wed 7-Oct	Thurs 8-Oct	Fri 9-Oct	Sat 10-Oct	Sun 11-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	2	1		1	1		
7 am			1				1
8 am		8		3		3	2
9 am	1	2		1	6	3	4
10 am	1	2		10	1	1	16
11 am	1	2	1	1	1	4	6
12 pm		3	2	1		13	6
1 pm		4		5		1	3
2 pm		2		7	6	2	7
3 pm	3	2		2	3		7
4 pm	2	3		3		1	8
5 pm	6	2		4	1		8
6 pm	4			5	2	1	2
7 pm					1		3
8 pm	1	2					
9 pm				3			
10 pm				2			
11 pm							
Prorated Daily Helicopter Activity	2	2	2	2	2		
Total Daily Aircraft Takeoffs	23	35	6	50	24	29	73
Prorated Total Helicopter Activity	10						
Total Fixed Wing Activity	230						
Total Aircraft Takeoffs =	240						

Weekly Activity Report
 UKT Quakertown Airport
 UKT Fall II 2010

For: 2 December 2010 - 8 December 2010

Day->	Thurs 2-Dec	Fri 3-Dec	Sat 4-Dec	Sun 5-Dec	Mon 6-Dec	Tues 7-Dec	Wed 8-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am	3						
6 am	1	4	3			1	
7 am	1	1	1			3	1
8 am	5	1	6	2		5	1
9 am	10		2	3		7	1
10 am	2		2	1		4	1
11 am	2		1	1		5	3
12 pm			3	2		8	1
1 pm	1	2	1			6	1
2 pm	1	5	2	2		1	
3 pm	1	2	3			1	2
4 pm	1	7	1	1			1
5 pm	1	5	5				
6 pm	1	1	1	1			3
7 pm	1		1				2
8 pm							1
9 pm		1					
10 pm							
11 pm							
Prorated Daily Helicopter Activity	2	2			2	2	2
Total Daily Aircraft Takeoffs	33	31	32	13	2	43	20
Prorated Total Helicopter Activity	10						
Total Fixed Wing Activity	164						
Total Aircraft Takeoffs =	174						

Weekly Activity Report
 UKT Quakertown Airport
 UKT Winter I 2011

For: 19 January 2011 to 25 January 2011

Day->	Wed 19-Jan	Thurs 20-Jan	Fri 21-Jan	Sat 22-Jan	Sun 23-Jan	Mon 24-Jan	Tues 25-Jan
12 am							
1 am							
2 am							
3 am			6				
4 am			6				
5 am							
6 am			3				1
7 am		1	4				1
8 am	1	1	2		2		3
9 am	3	1	1	1	1		3
10 am	3		3	3	2		2
11 am	4	2	5	5	1		5
12 pm	6	1	5	3	3	1	5
1 pm	3	2	2	2	1		1
2 pm	1	1	2	1	1	1	1
3 pm					3		
4 pm		1		1	3		1
5 pm					1		
6 pm					2		
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	2	2	2			2	2
Total Daily Aircraft Takeoffs	23	12	41	16	20	4	25
Prorated Total Helicopter Activity	10						
Total Fixed Wing Activity	131						
Total Aircraft Takeoffs =	141						

Weekly Activity Report
 UKT Quakertown Airport
 UKT Winter II 2011

For: 3 March 2011 to 9 March 2011

Day->	Thurs 3-Mar	Fri 4-Mar	Sat 5-Mar	Sun 6-Mar	Mon 7-Mar	Tues 8-Mar	Wed 9-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am					1	2	
7 am				1	1	3	1
8 am		2		1	1		1
9 am		3	2	2	2	2	
10 am		4	3	1	5	1	1
11 am	1	3	5	4	4		2
12 pm		3	1	6	1		
1 pm	1	3	4	3		1	3
2 pm		1		2			2
3 pm		1	1				
4 pm						2	1
5 pm	1					4	
6 pm		1				5	
7 pm					1		
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	2	2			2	2	2
Total Daily Aircraft Takeoffs	5	23	16	20	18	22	13
Prorated Total Helicopter Activity	10						
Total Fixed Wing Activity	107						
Total Aircraft Takeoffs =	117						



Spitfire Aerodrome

7N7

Salem County

Pedricktown, NJ 08067

Runway:	7/25
Runway length:	2,419 FT
Total based aircraft:	37

Spitfire Aerodrome overall lost 33 percent of its flight operations during this counting period compared to the previous 2007/2008 count. This downturn was mostly attributed to the loss of their Light Sport Aircraft which was on lease back and used for flight training. This aircraft was relocated to another airport by the aircraft owner. In addition, flight training activities have experienced a reduction from previous years. Subsequently, the airport no longer employs a full-time flight instructor for fixed wing aircraft.

The facilities at Spitfire have planned improvements by the owner to include new hangars and a runway expansion, but are on hold until the economy improves. The runway, taxiway and aprons have recently been reconstructed and paved including all line markings. While based aircraft have grown by two single engine aircraft, flight operations have not grown accordingly. It is anticipated that with an economy upswing, Spitfire will be able to complete its planned capital improvement program and attract additional based aircraft.

DVRPC Aircraft Counting Program

Annual Summary

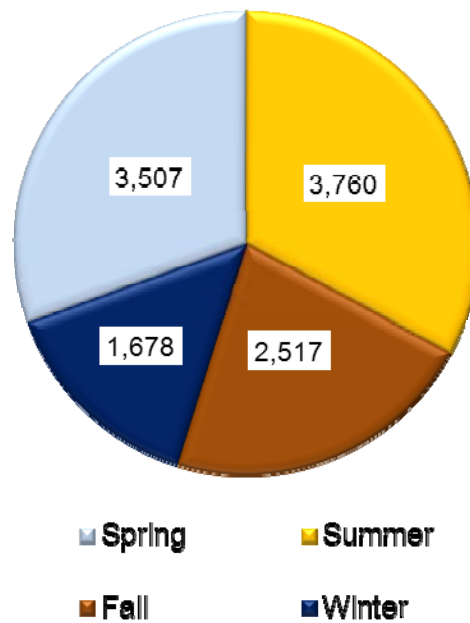
Airport: **7N7 Spitfire Aerodrome**

County: **Salem**

Table 6: 7N7 Spitfire Aerodrome Annual Summary

Season & Year		Average Daily Operations	Total Seasonal Operations	Percent of Annual Operations
Spring	2010	37.7	3,507	31%
Summer	2010	40.0	3,760	33%
Fall	2010	28.3	2,517	22%
Winter	2011	18.9	1,678	15%
Total Annual Operations:			11,462	100%
Margin of Error:				13 at 95% Confidence

Figure 3: 7N7 Spitfire Aerodrome Annual Summary



Weekly Activity Report
 7N7 Spitfire Aerodrome
 7N7 Spring I 2010

For: 27 April 2010 - 3 May 2010

Day->	Tues 27-Apr	Wed 28-Apr	Thurs 29-Apr	Fri 30-Apr	Sat 1-May	Sun 2-May	Mon 3-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am					3		
8 am	2	1		3		5	
9 am	2	1	1	7	4	7	
10 am	1	1		4	4		
11 am	1		3	1	7	1	
12 pm	3	2			2		3
1 pm	1	1		1			1
2 pm	1			3			1
3 pm	2	3		1	1	1	
4 pm		1		3			1
5 pm					2		
6 pm		1		2	1		
7 pm				1			3
8 pm				2			
9 pm	1		2				
10 pm							
11 pm							
Prorated Daily Helicopter Activity	3	3	3	1	1	3	1
Total Daily Aircraft Takeoffs	17	14	9	29	25	17	10
Prorated Total Helicopter Activity	15						
Total Fixed Wing Activity	106						
Total Aircraft Takeoffs =	121						

Weekly Activity Report
 7N7 Spitfire Aerodrome
 7N7 Spring II 2010

For: 9 June 2010 - 15 June 2010

Day->	Wed 9-Jun	Thurs 10-Jun	Fri 11-Jun	Sat 12-Jun	Sun 13-Jun	Mon 14-Jun	Tues 15-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am		1		4			
9 am			1	2	1		
10 am			1	4	1		1
11 am		1	2	4	5		13
12 pm		13		5			2
1 pm		4	3	3		3	
2 pm		1	5			6	
3 pm			1	1			
4 pm			1		6	6	
5 pm		1	1		9	2	
6 pm			3			1	
7 pm		4	1				
8 pm		5					
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	3	3	3	1	1	3	1
Total Daily Aircraft Takeoffs	3	33	22	24	23	21	17
Prorated Total Helicopter Activity	15						
Total Fixed Wing Activity	128						
Total Aircraft Takeoffs =	143						

Weekly Activity Report
 7N7 Spitfire Aerodrome
 7N7 Summer I 2010

For: 26 July 2010 - 1 August 2010

Day->	Mon 26-Jul	Tues 27-Jul	Wed 28-Jul	Thurs 29-Jul	Fri 30-Jul	Sat 31-Jul	Sun 1-Aug
12 am			1				
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1			2			
8 am				3			
9 am	4					1	5
10 am	2	1			1	2	3
11 am	2			6		8	3
12 pm	1	1			1	9	1
1 pm	1				1	2	5
2 pm	1					1	1
3 pm	2					1	4
4 pm	1				1	3	5
5 pm	2				1		
6 pm	1				1		
7 pm	5		2				
8 pm	1						
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	3	3	3	3	3	1	2
Total Daily Aircraft Takeoffs	27	5	5	14	9	28	29
Prorated Total Helicopter Activity	18						
Total Fixed Wing Activity	99						
Total Aircraft Takeoffs =	117						

Weekly Activity Report
7N7 Spitfire Aerodrome
7N7 Summer II 2010

For: 27 August 2010 - 2 September 2010

Day->	Fri 27-Aug	Sat 28-Aug	Sun 29-Aug	Mon 30-Aug	Tues 31-Aug	Wed 1-Sep	Thurs 2-Sep
12 am		1					
1 am							
2 am							
3 am							
4 am							
5 am							
6 am			1				
7 am							
8 am	3	1			1		5
9 am	1	2	6	1	2	2	6
10 am	2	4	2		3	1	3
11 am		2	3	2	4	3	5
12 pm	1	5		2	1	5	
1 pm	2	5	2	9	1	1	
2 pm	5	1			1	1	
3 pm	3	1	2		1	5	3
4 pm		3				1	
5 pm		2	2				
6 pm			1				1
7 pm	8	1					
8 pm	3						
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	3	1	2	3	3	3	3
Total Daily Aircraft Takeoffs	31	29	21	17	17	22	26
Prorated Total Helicopter Activity	18						
Total Fixed Wing Activity	145						
Total Aircraft Takeoffs =	163						

Weekly Activity Report
 7N7 Spitfire Aerodrome
 7N7 Fall I 2010

For: 28 October 2010 - 3 November 2010

Day->	Wed 28-Oct	Thurs 29-Oct	Fri 30-Oct	Sat 31-Oct	Sun 1-Nov	Mon 2-Nov	Tues 3-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am	1	1	2	1			
9 am	3	2	2	3			
10 am	3	1	1	1		6	
11 am	3	3	3	4	1	1	
12 pm	5	1	2		4		
1 pm	3	1	6	1	1		
2 pm	1	4	7		5		
3 pm	2		3	1			
4 pm	3		1	1			
5 pm	1					1	
6 pm	1					1	
7 pm	1						
8 pm	1						
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	3	3	3	1	1	3	3
Total Daily Aircraft Takeoffs	31	16	30	13	12	12	3
Prorated Total Helicopter Activity	17						
Total Fixed Wing Activity	100						
Total Aircraft Takeoffs =	117						

Weekly Activity Report
 7N7 Spitfire Aerodrome
 7N7 Fall II 2010

For: 02 December 2010 - 8 December 2010

Day->	Thurs 2-Dec	Fri 3-Dec	Sat 4-Dec	Sun 5-Dec	Mon 6-Dec	Tues 7-Dec	Wed 8-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am			4				
8 am		1				1	2
9 am		4				1	3
10 am		3	2				3
11 am			2	1		1	2
12 pm		2	1	1		1	
1 pm		2	3			1	
2 pm			2			2	
3 pm	1		4			2	1
4 pm	1	2	1			1	
5 pm		2					
6 pm						1	
7 pm							
8 pm		3					
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	3	3	1	1	3	3	3
Total Daily Aircraft Takeoffs	5	22	20	3	3	14	14
Prorated Total Helicopter Activity	17						
Total Fixed Wing Activity	64						
Total Aircraft Takeoffs =	81						

Weekly Activity Report
 7N7 Spitfire Aerodrome
 7N7 Winter I 2011

For: 20 January 2011 - 26 January 2011

Day->	Thurs 20-Jan	Fri 21-Jan	Sat 22-Jan	Sun 23-Jan	Mon 24-Jan	Tues 25-Jan	Wed 26-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am		1					
8 am		1		3			
9 am		3		2			
10 am		2		1			
11 am	1	2		1			
12 pm		5		3			
1 pm		3					
2 pm	1					1	
3 pm	8	1					
4 pm		1			3		
5 pm		2	2		1		
6 pm							
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	2	2	1	1	2	2	2
Total Daily Aircraft Takeoffs	12	23	3	11	6	3	2
Prorated Total Helicopter Activity	12						
Total Fixed Wing Activity	48						
Total Aircraft Takeoffs =	60						

Weekly Activity Report
 7N7 Spitfire Aerodrome
 7N7 Winter II 2011

For: 3 March 2011 - 9 March 2011

Day->	Thurs 3-Mar	Fri 4-Mar	Sat 5-Mar	Sun 6-Mar	Mon 7-Mar	Tues 8-Mar	Wed 9-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am						1	
8 am	1		1				2
9 am			1				2
10 am			2				2
11 am			2				1
12 pm			1				1
1 pm			5			4	1
2 pm	1	1					1
3 pm	3						
4 pm	1	4				1	
5 pm					4	3	
6 pm					14		
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	2	2	1	1	2	2	2
Total Daily Aircraft Takeoffs	8	7	13	1	20	11	12
Prorated Total Helicopter Activity	12						
Total Fixed Wing Activity	60						
Total Aircraft Takeoffs =	72						



**Trenton-Robbinsville
Airport
N87**

Mercer County

Robbinsville, NJ 08691

Runway:	11/29
Runway length:	4,275 FT
Total based aircraft:	60

Traffic at Trenton-Robbinsville Airport has increased 12 percent since the last count in 2007/2008. There were 21,926 operations in 2010/2011 compared to 19,645 operations three years ago. Trenton-Robbinsville was one of only two airports in this counting cycle to have experienced a traffic increase. The airport has several aviation businesses located at the airfield featuring a traditional FBO operation with airframe and power-plant services, an Air-Mods and aircraft type maintenance facility, specializing in airframe modifications to Mooney aircraft in addition to offering full services to all GA aircraft, a flight school, and an aircraft rental operation. The Posey Brothers, specializing in the care and restoration of antique aircraft, are also located at this airport and are internationally recognized for their aircraft restorations. Reese Aircraft (KD Aviation) has been based here since 1981, and is a highly regarded aircraft painting business.

Combined, these successful operations are responsible for maintaining a healthy business climate at Trenton-Robbinsville in spite of current economic conditions.

DVRPC Aircraft Counting Program

Annual Summary

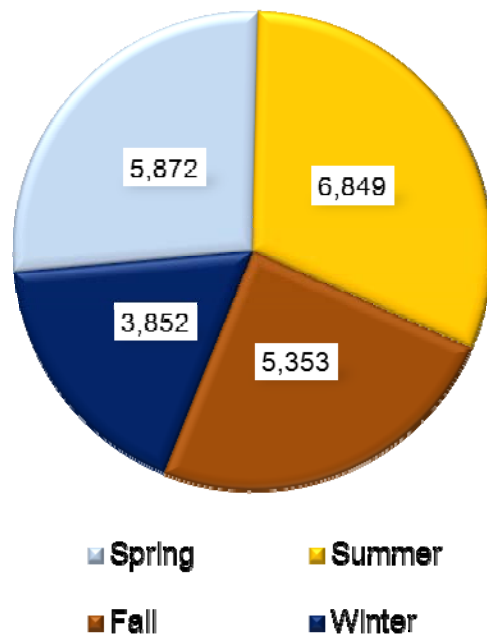
Airport: **N87 Trenton-Robbinsville Airport**

County: **Mercer**

Table 7: N87 Trenton-Robbinsville Airport Annual Summary

Season & Year		Average Daily Operations	Total Seasonal Operations	Percent of Annual Operations
Spring	2010	63.1	5,872	27%
Summer	2010	72.9	6,849	31%
Fall	2010	60.1	5,353	24%
Winter	2011	43.3	3,852	18%
Total Annual Operations:			21,926	100%
Margin of Error:				15 at 95% Confidence

Figure 4: N87 Trenton-Robbinsville Airport Annual Summary



Weekly Activity Report
 N87 Trenton-Robbinsville Airport
 N87 Spring I 2010

For: 28 April 2010 - 4 May 2010

Day->	Wed 28-Apr	Thurs 29-Apr	Fri 30-Apr	Sat 1-May	Sun 2-May	Mon 3-May	Tues 4-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am				1			
7 am							1
8 am		2	1	3	2		2
9 am	3	2	2	5	5		3
10 am		2	8	13	1		2
11 am	1	7	11	24	6		3
12 pm	2	1	3	13	4		
1 pm	4	1	3	8	3		
2 pm			4	2	4		
3 pm		1	4		1		
4 pm	1	1	9	2	3	1	
5 pm		2	7	2		1	
6 pm		1	3	3	2	1	
7 pm		2	7	1			
8 pm	1		4			1	
9 pm							
10 pm						1	
11 pm							
Prorated Daily Helicopter Activity	1	0	0	0	0	0	0
Total Daily Aircraft Takeoffs	13	22	66	77	31	5	11
Prorated Total Helicopter Activity	1						
Total Fixed Wing Activity	224						
Total Aircraft Takeoffs =	225						

Weekly Activity Report
 N87 Trenton-Robbinsville Airport
 N87 Spring II 2010

For: 7 June 2010 - 13 June 2010

Day->	Mon 7-Jun	Tues 8-Jun	Wed 9-Jun	Thurs 10-Jun	Fri 11-Jun	Sat 12-Jun	Sun 13-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am						1	1
8 am						1	
9 am	5	4	1		5	2	5
10 am	4	4	1	1	5	5	2
11 am	6	1	1		6	4	2
12 pm	2	1	1	1	9	9	2
1 pm	1	6	1	3	3	5	4
2 pm		3	3	1	7	1	4
3 pm	3	2	1		4	2	1
4 pm	3	1	2	2	4	2	
5 pm	3	2	1	1	12	1	
6 pm	2	4		2	3		
7 pm	3	3			2	2	
8 pm	1	4			4	1	
9 pm					3		
10 pm							
11 pm		1					
Prorated Daily Helicopter Activity	1	0	0	0	0	0	0
Total Daily Aircraft Takeoffs	34	36	12	11	67	36	21
Prorated Total Helicopter Activity	1						
Total Fixed Wing Activity	216						
Total Aircraft Takeoffs =	217						

Weekly Activity Report
 N87 Trenton-Robbinsville Airport
 N87 Summer I 2010

For: 25 July 2010 - 31 July 2010

Day->	Sun 25-Jul	Mon 26-Jul	Tues 27-Jul	Wed 28-Jul	Thurs 29-Jul	Fri 30-Jul	Sat 31-Jul
12 am							
1 am							1
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1				1	1	2
8 am	3			1			1
9 am	9	1	2			3	1
10 am	10	4	1	3		1	8
11 am	6	5	2	7	1	5	4
12 pm	6		3	3		2	3
1 pm	13	2	1			3	3
2 pm	6	6	5		1	7	1
3 pm		7	3	2	1	2	7
4 pm	1	1	1	2		2	6
5 pm		3	6	3	2	4	1
6 pm	1	5	1		1	1	
7 pm		5	3			3	2
8 pm	1	5	6	1		2	
9 pm		2			1		1
10 pm			1		1		
11 pm					1	1	
Prorated Daily Helicopter Activity		1	1				
Total Daily Aircraft Takeoffs	57	47	36	22	10	37	41
Prorated Total Helicopter Activity	2						
Total Fixed Wing Activity	248						
Total Aircraft Takeoffs =	250						

Weekly Activity Report
 N87 Trenton-Robbinsville Airport
 N87 Summer II 2010

For: 26 August 2010 - 1 September 2010

Day->	Thurs 26-Aug	Fri 27-Aug	Sat 28-Aug	Sun 29-Aug	Mon 30-Aug	Tues 31-Aug	Wed 1-Sep
12 am				3	1		
1 am				1			
2 am							
3 am							
4 am		2					
5 am		1					
6 am				1			
7 am			3	1		2	
8 am		1	1	1		3	
9 am		5	4	2	2	2	1
10 am		1	5	5	3	2	3
11 am		5	12	7		1	3
12 pm		4	1	3		2	
1 pm	1	5	7	3	3		1
2 pm	8	2	1	5	1	2	3
3 pm	4	3	2	3	3		
4 pm	4	6	1	2	2		
5 pm	6	5	3	11	4	2	4
6 pm	5	4		7	3	2	3
7 pm	5	5	1	4			1
8 pm	4	1	1	1			1
9 pm					3	2	
10 pm	1			1			
11 pm			1				1
Prorated Daily Helicopter Activity	1	1					
Total Daily Aircraft Takeoffs	39	51	43	61	25	20	21
Prorated Total Helicopter Activity	2						
Total Fixed Wing Activity	258						
Total Aircraft Takeoffs =	260						

Weekly Activity Report
 N87 Trenton-Robbinsville Airport
 N87 Fall I 2010

For: 22 October 2010 - 28 October 2010

Day->	Sat 22-Oct	Sun 23-Oct	Mon 24-Oct	Tues 25-Oct	Wed 26-Oct	Thurs 27-Oct	Fri 28-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am		1			1		
6 am		4	2				1
7 am	1	4	7			1	1
8 am	5	2	10	6	1		2
9 am	1	7	6		1		3
10 am	4	7	10	1			2
11 am	11	4	9	4			3
12 pm	8	2	5	2	1		1
1 pm	2	10	4	4	1		1
2 pm		4	5		2		2
3 pm	3	6	3	1	1		4
4 pm	4	5			6		9
5 pm	1						
6 pm			1				
7 pm					1		
8 pm			1				
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity			1				
Total Daily Aircraft Takeoffs	40	56	64	18	15	1	29
Prorated Total Helicopter Activity	1						
Total Fixed Wing Activity	222						
Total Aircraft Takeoffs =	223						

Weekly Activity Report
 N87 Trenton-Robbinsville Airport
 N87 Fall II 2010

For: 2 December 2010 - 8 December 2010

Day->	Thurs 2-Dec	Fri 3-Dec	Sat 4-Dec	Sun 5-Dec	Mon 6-Dec	Tues 7-Dec	Wed 8-Dec
12 am						1	
1 am							
2 am						1	
3 am							
4 am							
5 am							
6 am							
7 am	1	1					
8 am	6	1	1			1	1
9 am	10	1	4		2	2	1
10 am	8	3	4	1	1	4	3
11 am	5	4	3	2	5	3	1
12 pm	10	8	3	1	1	5	4
1 pm	6	6		3	5	3	2
2 pm	3	5	8		2	2	1
3 pm	5	1	2	2			1
4 pm	6	2	3	5		1	1
5 pm	1		1	3			
6 pm	1			1			
7 pm	1						
8 pm	1						
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	1						
Total Daily Aircraft Takeoffs	65	32	29	18	16	23	15
Prorated Total Helicopter Activity	1						
Total Fixed Wing Activity	197						
Total Aircraft Takeoffs =	198						

Weekly Activity Report
 N87 Trenton-Robbinsville Airport
 N87 Winter I 2011

For: 20 January 2011 - 26 January 2011

Day->	Thurs 20-Jan	Fri 21-Jan	Sat 22-Jan	Sun 23-Jan	Mon 24-Jan	Tues 25-Jan	Wed 26-Jan
12 am					1		
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am		1		1			1
8 am		2				1	1
9 am	2	1	1	6	2		1
10 am	4	1	1	1			1
11 am	3	4	4	2	2		1
12 pm	1	5	2		1		
1 pm	2	5	5	2	2	1	7
2 pm	5	1	2	5	1		4
3 pm	1	5	2	6	1		6
4 pm	1		2	1	9		5
5 pm	5	1	1		1		3
6 pm	2						
7 pm							
8 pm							
9 pm		1					
10 pm							
11 pm							
Prorated Daily Helicopter Activity							
Total Daily Aircraft Takeoffs	26	27	20	24	20	2	30
Prorated Total Helicopter Activity	0						
Total Fixed Wing Activity	149						
Total Aircraft Takeoffs =	149						

Weekly Activity Report
 N87 Trenton-Robbinsville Airport
 N87 Winter II 2011

For: 3 March 2011 - 9 March 2011

Day->	Thurs 3-Mar	Fri 4-Mar	Sat 5-Mar	Sun 6-Mar	Mon 7-Mar	Tues 8-Mar	Wed 9-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am		3	1				
9 am	2	3	2	1			1
10 am	2	5	7	1	1	5	1
11 am	2	1	1			2	1
12 pm	3		4			1	2
1 pm	3		1		1	3	4
2 pm	4	4	1			5	11
3 pm	4	2			3	8	9
4 pm	4	2			2	2	2
5 pm	5	1				8	
6 pm	2					2	
7 pm	1	1				2	
8 pm	1				1	1	
9 pm	2						
10 pm							
11 pm							
Prorated Daily Helicopter Activity							
Total Daily Aircraft Takeoffs	35	22	17	2	8	39	31
Prorated Total Helicopter Activity	0						
Total Fixed Wing Activity	154						
Total Aircraft Takeoffs =	154						



Van Sant Airport

9N1

Bucks County

Erwinna, PA 18920

Runway:	07/25
Runway length:	3,058 FT
Total based aircraft:	66 (15 Gliders included)

This airport is owned by the Bucks County Department of Parks and Recreation and is administered by the Bucks County Airport Authority. Prior to this count the long time fixed based operator of this airport retired and a new FBO was brought on board and had to build his new business.

Flight operations were down an overall 18 percent during this count and can be explained by an abnormally wet weather year which left the turf runway difficult to use at times. The low winter operations are not unusual for turf runways. Van Sant airport closes the runway for itinerant operations during the winter due to expected inclement weather conditions affecting the turf runways. In addition, during this counting cycle many township bridges providing access to the airport were closed for repair, making the journey difficult for visitors and pilots that did not live locally and possibly affected the operations at the airport negatively. The bridge closing situation is improving and is not expected to be an issue next year.

The airport is recreational in nature and operations are expected to remain slightly above the current levels of activity as no expansions are planned.

DVRPC Aircraft Counting Program

Annual Summary

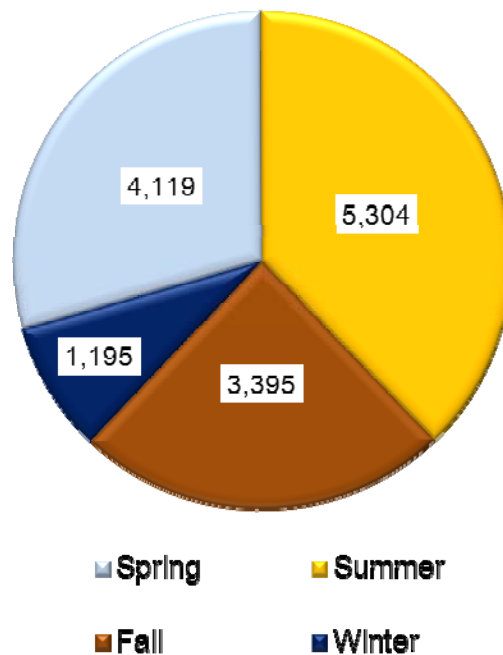
Airport: **9N1 Van Sant Airport**

County: **Bucks**

Table 8: 9N1 Van Sant Airport Annual Summary

Season & Year		Average Daily Operations	Total Seasonal Operations	Percent of Annual Operations
Spring	2010	44.3	4,119	29%
Summer	2010	56.4	5,304	38%
Fall	2010	38.1	3,395	24%
Winter	2011	13.4	1,195	9%
Total Annual Operations:			14,013	100%
Margin of Error:				21 at 95% Confidence

Figure 5: 9N1 Van Sant Airport Annual Summary



Weekly Activity Report
 9N1 Vansant Airport
 9N1 Spring I 2010

For: 10 April 2010 - 16 April 2010

Day->	Sat 10-Apr	Sun 11-Apr	Mon 12-Apr	Tues 13-Apr	Wed 14-Apr	Thurs 15-Apr	Fri 16-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am	2					3	
9 am	3				1	2	
10 am	5	4			2	1	
11 am	5	1			2	1	
12 pm	8	5			1	3	
1 pm	3	8	1		2	1	4
2 pm	2	6			1	1	3
3 pm	2	4			3	2	1
4 pm	1	2			2	5	2
5 pm	5	7			1	2	2
6 pm	1	3			1	1	2
7 pm	1	6				1	1
8 pm		2					
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity			1		1		1
Total Daily Aircraft Takeoffs	38	48	2	0	17	23	16
Prorated Total Helicopter Activity	3						
Total Fixed Wing Activity	141						
Total Aircraft Takeoffs =	144						

Weekly Activity Report
 9N1 Vansant Airport
 9N1 Spring II 2010

For:16 May 2010 - 22 May 2010

Day->	Sun 16-May	Mon 17-May	Tues 18-May	Wed 19-May	Thurs 20-May	Fri 21-May	Sat 22-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am					1		
8 am						1	
9 am	5					3	8
10 am	3	2			1	2	11
11 am	2				2	2	12
12 pm	2	2			3	2	5
1 pm	1			1	1	3	6
2 pm	13	3		1	1	3	5
3 pm	7	3		1	1	1	3
4 pm				1	3	2	
5 pm	4			1	7		3
6 pm	3			1		4	6
7 pm	4					1	
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity		1		1		1	
Total Daily Aircraft Takeoffs	44	11	0	7	20	25	59
Prorated Total Helicopter Activity	3						
Total Fixed Wing Activity	163						
Total Aircraft Takeoffs =	166						

Weekly Activity Report
 9N1 Vansant Airport
 9N1 Summer I 2010

For: 25 June 2010 - 1 July 2010

Day->	Fri 25-Jun	Sat 26-Jun	Sun 27-Jun	Mon 28-Jun	Tues 29-Jun	Wed 30-Jun	Thurs 1-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1						
8 am	3	4					
9 am	1	1	1	1	1		2
10 am		5	4	2	1	2	2
11 am	1	12	2	3			1
12 pm	2	2	1	3		1	5
1 pm	3	4	8	1	4		1
2 pm	1	13	1	7	2	1	3
3 pm		3	1	1	1		1
4 pm		6	3	1			
5 pm	3	1	1	1			2
6 pm	11						1
7 pm	6	1	1		2		5
8 pm		2			7		
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity	1			1		1	
Total Daily Aircraft Takeoffs	33	54	23	21	18	5	23
Prorated Total Helicopter Activity	3						
Total Fixed Wing Activity	174						
Total Aircraft Takeoffs =	177						

Weekly Activity Report
 9N1 Vansant Airport
 9N1 Summer II 2010

For: 14 August 2010 - 20 August 2010

Day->	Sun 14-Aug	Mon 15-Aug	Tues 16-Aug	Wed 17-Aug	Thurs 18-Aug	Fri 19-Aug	Sat 20-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							1
7 am		1		1			
8 am	5	11			2	1	2
9 am	18				2	1	2
10 am	11	1		6		2	2
11 am	12	1		1			10
12 pm	15	1		1	1	3	4
1 pm	4			4	1	6	1
2 pm	4					1	2
3 pm	4	2	1	1	2		5
4 pm	2		1	2		2	5
5 pm	1			4		4	
6 pm	1			6	1	4	4
7 pm	5				1	2	4
8 pm	1		1	3		5	
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity		1		1		1	
Total Daily Aircraft Takeoffs	83	18	3	30	10	32	42
Prorated Total Helicopter Activity	3						
Total Fixed Wing Activity	215						
Total Aircraft Takeoffs =	218						

Weekly Activity Report
 9N1 Vansant Airport
 9N1 Fall I 2010

For: 1 November 2010 - 7 November 2010

Day->	Mon 1-Nov	Tues 2-Nov	Wed 3-Nov	Thurs 4-Nov	Fri 5-Nov	Sat 6-Nov	Sun 7-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							1
7 am	2						
8 am	3	2	2		1	1	
9 am	5	2	1	1		3	2
10 am	8	2	1		1	1	3
11 am	1	1		1		2	3
12 pm	3	4		1		4	4
1 pm	2	4		1	1	6	4
2 pm	5	7			5	2	7
3 pm	2			1		2	3
4 pm				6		1	4
5 pm			1	3		1	1
6 pm				1	2	1	1
7 pm		1					
8 pm		3					
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity							
Total Daily Aircraft Takeoffs	31	26	5	15	10	24	33
Prorated Total Helicopter Activity	0						
Total Fixed Wing Activity	144						
Total Aircraft Takeoffs =	144						

Weekly Activity Report
 9N1 Vansant Airport
 9N1 Fall II 2010

For: 1 December 2010 - 07 December 2010

Day->	Mon 1-Dec	Tues 2-Dec	Wed 3-Dec	Thurs 4-Dec	Fri 5-Dec	Sat 6-Dec	Sun 7-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	2		1				
8 am	3	1	1		2	1	
9 am	3	4	3		2	4	
10 am	5	4	5	4	4	6	
11 am		4	5	1	2	4	
12 pm	2	5	4	6	8		
1 pm		5	3	1	1		
2 pm		5	2	2	1		
3 pm		1		1			
4 pm		1		2	2		
5 pm							
6 pm							
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity							
Total Daily Aircraft Takeoffs	20	30	24	17	22	15	0
Prorated Total Helicopter Activity	0						
Total Fixed Wing Activity	123						
Total Aircraft Takeoffs =	123						

Weekly Activity Report
 9N1 Vansant Airport
 9N1 Winter I 2011

For: 19 January 2011 - 25 January 2011

Day->	Tues 19-Jan	Wed 20-Jan	Thurs 21-Jan	Fri 22-Jan	Sat 23-Jan	Sun 24-Jan	Mon 25-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am							
9 am					1		1
10 am					2		1
11 am			2		1		1
12 pm			3	1	3		1
1 pm				1	5		1
2 pm				1		1	
3 pm		1		2		1	
4 pm				1			
5 pm	1			2		1	
6 pm		1					
7 pm							
8 pm							
9 pm		1					
10 pm							
11 pm							
Prorated Daily Helicopter Activity							
Total Daily Aircraft Takeoffs	1	3	5	8	12	3	5
Prorated Total Helicopter Activity	0						
Total Fixed Wing Activity	37						
Total Aircraft Takeoffs =	37						

Weekly Activity Report
 9N1 Vansant Airport
 9N1 Winter II 2011

For: 3 March 2011 - 9 March 2011

Day->	Thurs 3-Mar	Fri 4-Mar	Sat 5-Mar	Sun 6-Mar	Mon 7-Mar	Tues 8-Mar	Wed 9-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am			1				1
8 am			2				1
9 am			1		2		1
10 am			3	1	3		1
11 am			5	1			1
12 pm			8	1		1	
1 pm		1	2	2		1	
2 pm			5	1			
3 pm	1		3	2		1	
4 pm		1		2			
5 pm							
6 pm							
7 pm		1					
8 pm							
9 pm							
10 pm							
11 pm							
Prorated Daily Helicopter Activity							
Total Daily Aircraft Takeoffs	1	3	30	10	5	3	5
Prorated Total Helicopter Activity	0						
Total Fixed Wing Activity	57						
Total Aircraft Takeoffs =	57						

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Key Words: Aircraft operations, non-towered airports, helicopter, airplane, takeoffs, landings, count, activity, estimate, seasonal, annual, acoustic counter, based aircraft, runway length

Abstract: This technical report compiles aircraft operations estimates for five non-towered airports in the Delaware Valley region. Eight acoustic counts were taken at each airport, starting in April 2010 and ending in March 2011; each sample extended over the period of one week. The samples were extrapolated over the entire year and the results are presented in this report. Results are used by multiple sources to monitor activity levels in the Delaware Valley region and as a base for planning and forecasting documents.

Delaware Valley Regional Planning Commission
190 N. Independence Mall West, 8th floor
Philadelphia, PA 19106-2582

Phone: 215-592-1800
Fax: 215-592-9125
Internet: www.dvrpc.org

Staff contact: Reiner Pelzer Manager, Aviation Planning Direct phone 215-238-2887 email rpelzer@dvrpc.org



190 N INDEPENDENCE MALL WEST
8TH FLOOR
PHILADELPHIA, PA 19106-1520
P: 215.592.1800
www.dvrpc.org

