

**OPERATIONS
FOR SEVEN
NON-TOWERED
AIRPORTS**



MAY 2013



2011/12 AIRCRAFT OPERATIONS COUNTING PROGRAM

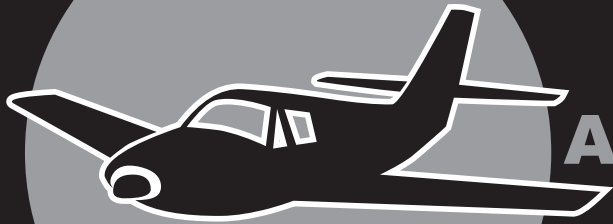
**BRANDYWINE
CAMDEN COUNTY
CECIL COUNTY
CROSS KEYS
FLYING W
NEW GARDEN
RED LION**

3-42-0125-011-2010

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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), Federal Aviation Administration (FAA), and Federal Transit Administration (FTA), the Pennsylvania and New Jersey departments of transportation, as well as by DVRPC's state and local member governments. 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. In 2010, the Federal Aviation Administration (FAA) continued funding this program to include seven of 20 DVRPC Regional Airports System Plan (RASP) facilities. From April 2011 to March 2012, the following airports were surveyed: Brandywine and New Garden, in Pennsylvania; Camden County, Cross Keys, Flying W, and Red Lion, in New Jersey; and Cecil County, in Maryland.

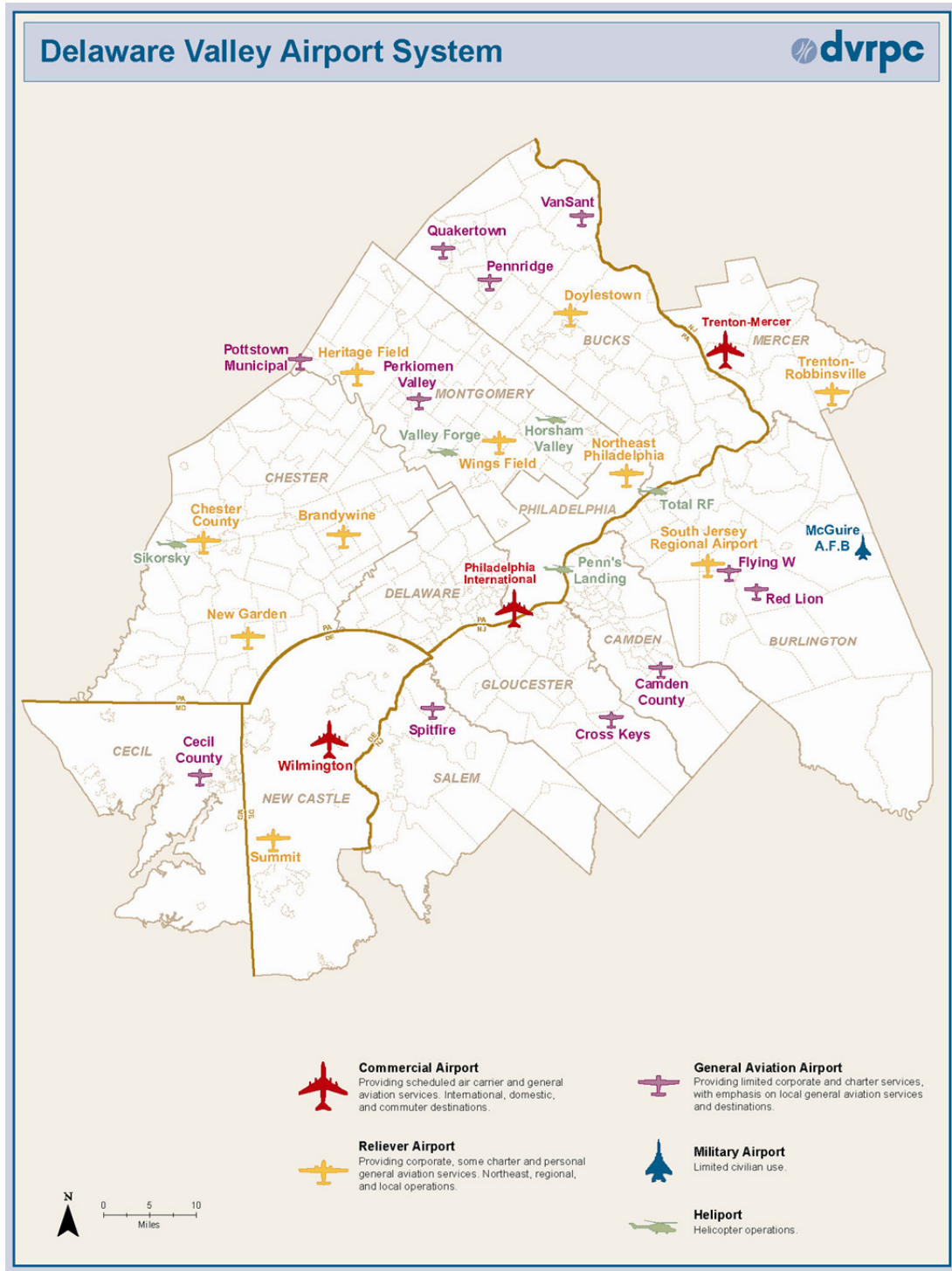
This report uses the Larson & Davis Acoustic Counter Software (ACS) at each airport to monitor weekly takeoff data for eight weeks apportioned throughout the year. This data is reviewed and compiled into Airport Activity Reports. The Airport Activity Reports are then used to project seasonal and annual takeoff and landing totals as estimated by a separate DVRPC counting software for each surveyed airport during 2011/2012.

In the 2011/2012 counting period, there were 173,307 annual aircraft operations estimated for the seven regional airports included in this year's counting program. The DVRPC report for the same seven airports in the 2008/2009 counting program had 191,261 annual aircraft operations, which indicates a nine percent decrease in total operations over a three-year period. The economic recession and rising costs in aircraft operations are cited as major influences on the decline between counts.

Historic counting data since 1986 is also available for all RASP airports through the DVRPC Office of Freight and Aviation Planning.

2011/12 Aircraft Operations Counting Program

Figure ES-1: Delaware Valley Metro Airport System



Annual Operations Summary

As an integral part of its ongoing aviation planning efforts, 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. In 2010, the Federal Aviation Administration (FAA) continued funding this program to include seven of 20 DVRPC Regional Airports System Plan (RASP) facilities. From April 2011 to March 2012, the following airports were surveyed: Brandywine and New Garden, in Pennsylvania; Camden County, Cross Keys, Flying W, and Red Lion, in New Jersey; and Cecil County, in Maryland.

The Annual Operations Summary contains tabular and graphical displays of annual aircraft operations for fixed wing aircraft, helicopters, and their combined totals (see pp. 5-7). The data is projected based on the daily flight counts collected during eight one-week sampling periods throughout the year.

The following procedure is applied to all counts during the entire program. Eight one-week-long counting surveys are taken over the course of one calendar year. These counting surveys 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 takeoffs (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.

During this counting cycle, 173,307 total annual operations were estimated for the seven regional airports included in this year's counting program. The previous counting cycle three years prior for the same airports reported 191,261 total annual operations. Comparison of the data indicates a nine percent decrease in total operations for 2011/2012 over the total aircraft operations during counts for 2008/2009. This decline mimics past recent reports and is related to both the rising cost of aircraft operations and a prolonged recessive economy.

2011/12 Aircraft Operations Counting Program

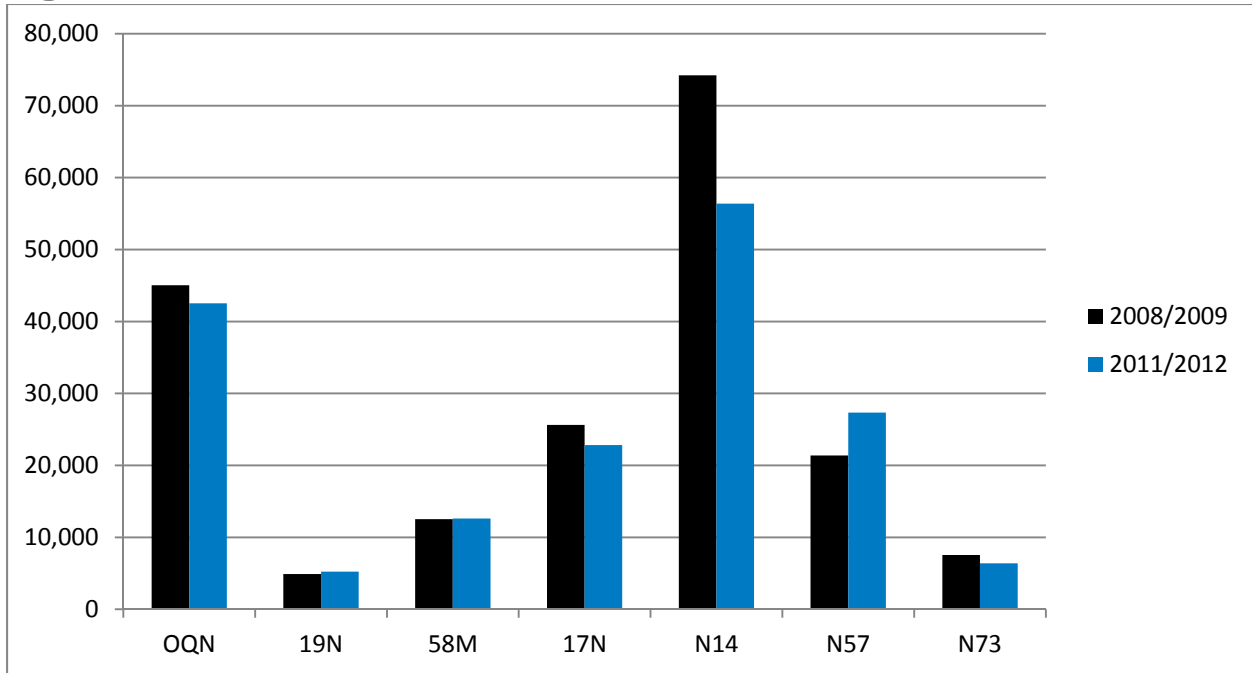
Annual Aircraft Operations

Table 1: Aircraft 2008/2009 Counts vs. 2011/2012 Counts

Airport	2008/2009 Operations	2011/2012 Operations	Absolute Change	Percent Change
Brandywine Airport (OQN)	45,035	42,521	-2,514	-6
Camden County Airport (19N)	4,909	5,230	321	7
Cecil County (58M)	12,538	12,626	88	1
Cross Keys (17N)	25,620	22,824	-2,796	-11
Flying W (N14)	74,222	56,389	-17,833	-24
New Garden (N57)	21,388	27,331	5,943	28
Red Lion (N73)	7,549	6,386	-1,163	-15
Total Operations	191,261	173,307	-17,954	-9

Source: DVRPC

Figure 1: Aircraft 2008/2009 Counts vs. 2011/2012 Counts



Source: DVRPC

2011/12 Aircraft Operations Counting Program

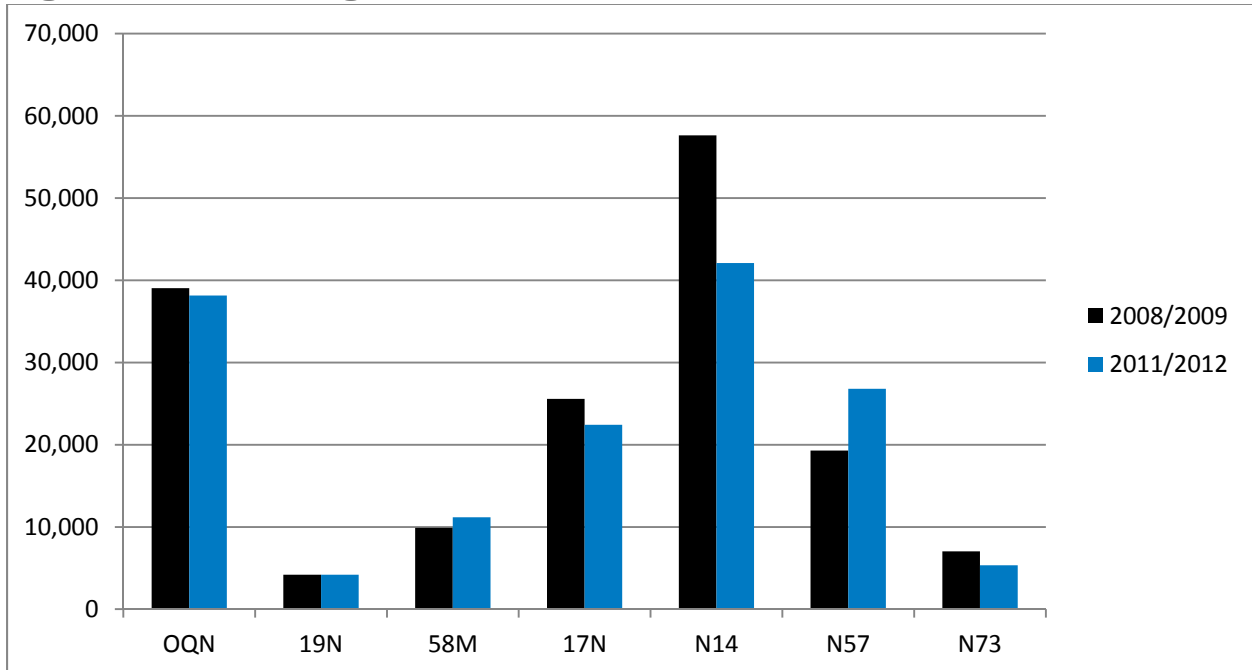
Annual Fixed Wing Operations

Table 2: Fixed Wing 2008/2009 Counts vs. 2011/2012 Counts

Airport	2008/2009 Operations	2011/2012 Operations	Absolute Change	Percent Change
Brandywine Airport (OQN)	39,035	38,141	-894	-2
Camden County Airport (19N)	4,191	4,190	-1	0
Cecil County (58M)	9,896	11,170	1,274	13
Cross Keys (17N)	25,570	22,424	-3,146	-12
Flying W (N14)	57,622	42,102	-15,520	-27
New Garden (N57)	19,288	26,811	7,523	39
Red Lion (N73)	7,029	5,346	-1,683	-24
Total Operations	162,631	150,184	-12,447	-8

Source: DVRPC

Figure 2: Fixed Wing 2008/2009 Counts vs. 2011/2012 Counts



Source: DVRPC

2011/12 Aircraft Operations Counting Program

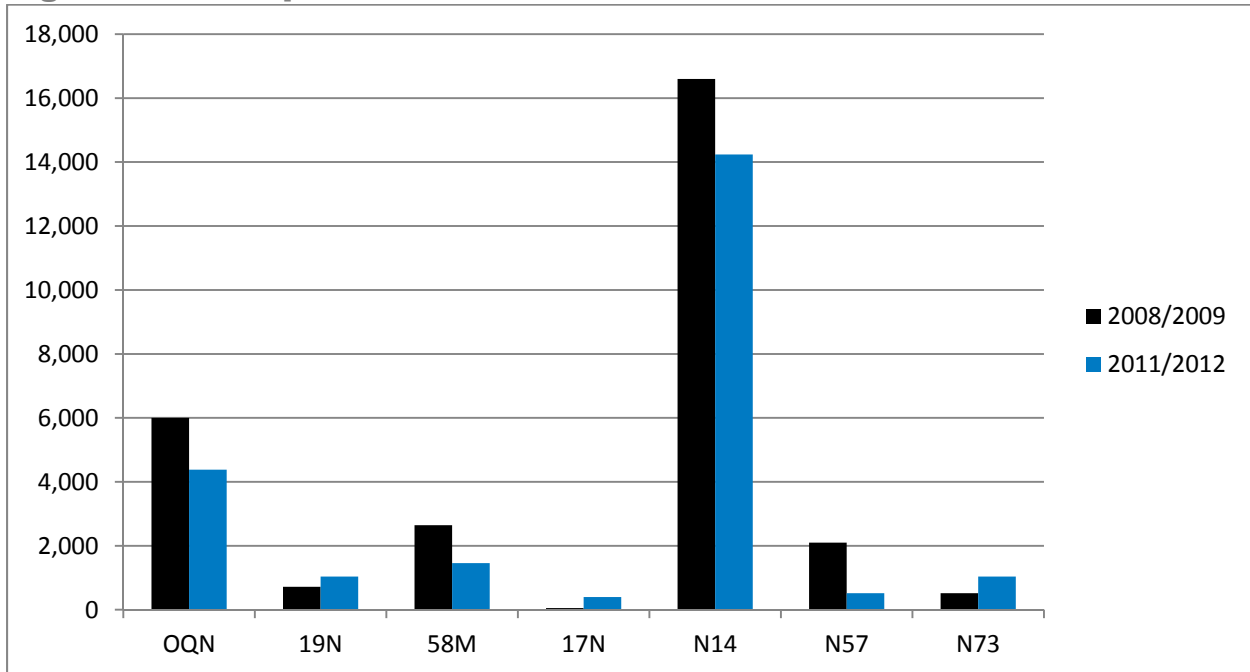
Annual Helicopter Operations

Table 3: Helicopter 2008/2009 Counts vs. 2011/2012 Counts

Airport	2008/2009 Operations	2011/2012 Operations	Absolute Change	Percent Change
Brandywine Airport (OQN)	6,000	4,380	-1,620	-27
Camden County Airport (19N)	718	1,040	322	45
Cecil County (58M)	2,642	1,456	-1,186	-45
Cross Keys (17N)	50	400	350	700
Flying W (N14)	16,600	14,240	-2,360	-14
New Garden (N57)	2,100	520	-1,580	-75
Red Lion (N73)	520	1,040	520	100
Total Operations	28,630	23,076	-5,554	-19

Source: DVRPC

Figure 3: Helicopter 2008/2009 Counts vs. 2011/2012 Counts



Source: DVRPC

Airport Activity Reports

This section of the report publishes the weekly activity data collected during the eight week-long counting surveys conducted for each of the seven individual airports. Airports are introduced with a brief narrative, along with an inventory of based aircraft and an airport aerial photo. Airport activity summaries list estimated annual flight operations and a seasonal operations graphic chart. Daily takeoffs collected from each airport are displayed in spreadsheet format by season, date, and time of day. Helicopter data is not collected by the Acoustic Counting Software (ACS) devices but is prorated from the annual estimate given by the airport operator at the completion of the counting cycle, and is only expressed as a subtotal for each day.

All weekly activity data pages express only aircraft takeoffs and do not include the landing phase of flight due to the near silence of propeller landings. At the bottom of each weekly activity data page, subtotals of aircraft activity are also expressed as takeoffs for that period. In the activity summary at the beginning of each Airport Activity Report, takeoffs are converted into estimated annual and seasonal operations, which include takeoffs and landings, by the DVRPC counting software.

2011/12 Aircraft Operations Counting Program

Brandywine Airport (OQN)

Chester County

West Chester, PA 19380

Runway Orientation: 09/27

Runway Length: 3,347 ft.

Table 4: Brandywine Airport (OQN) Based Aircraft

Based Aircraft Fleet Mix	
Single Engine	105
Multi Engine	6
Jet	0
Helicopter	10
Glider	0
Total	121

Source: Brandywine Airport

Brandywine Airport had a six percent decline in flight operations for this counting cycle. This decline is attributed to both the overall economic downturn and a 27 percent downturn in helicopter operations. The loss of helicopter operations is mostly due to losses in the student flight training operations. Brandywine Airport continues to draw additional itinerant flight operations from both the American Helicopter Museum and Penn Avionics, which is one of the larger general aviation avionic repair stations in Pennsylvania. The reported total decline of six percent is modest compared to other airports in this counting cycle.

Brandywine Airport is a pilot-owned airport with an excellent location near the Route 202 West Chester Industrial Corridor. It is well located to provide corporate and recreational flight operations in this growing suburb of Philadelphia. It continues to be a strong aviation contributor to the Delaware Valley region.

2011/12 Aircraft Operations Counting Program

Figure 4: Brandywine Airport (OQN) Aerial Photo



Source: DVRPC

2011/12 Aircraft Operations Counting Program

DVRPC Aircraft Counting Program

Activity Summary

Airport: OQN Brandywine Airport

County: Chester County, PA

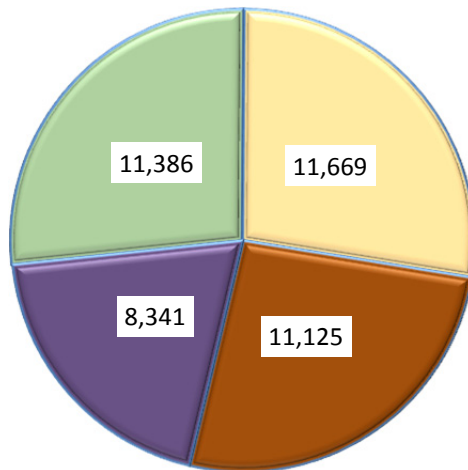
Table 5: Brandywine Airport (OQN) Annual Summary

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2011	122.43	11,386	27%
Summer	2011	124.14	11,669	27%
Fall	2011	125.00	11,125	26%
Winter	2012	93.71	8,341	20%
Annual Operations:		2011/12	42,521	
Margin of Error: 10 at 95% confidence				

Source: DVRPC

Figure 5: Brandywine Airport (OQN) Seasonal Summary

Source: DVRPC



Spring Summer
Fall Winter

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 OQN Brandywine Airport
 OQN Spring I 2011

For: 25 April 2011 - 01 May 2011

Day->	Mon 25-Apr	Tues 26-Apr	Wed 27-Apr	Thurs 28-Apr	Fri 29-Apr	Sat 30-Apr	Sun 1-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am					1		
7 am		1			2	1	
8 am	1	4			2		1
9 am	7	2	1		2	3	
10 am	5	10			4	6	12
11 am	5	2	2	1	1	12	12
12 pm	4	2			4	9	7
1 pm	1				5	7	19
2 pm	1		2		3	3	13
3 pm	1		2		5		9
4 pm	1	2	2		1	2	3
5 pm	6	1	1		1	2	1
6 pm	3		2	1	1	2	
7 pm	6				2	2	5
8 pm	3		1			1	
9 pm		1			2		
10 pm	1	1					
11 pm							

Daily

Prorated Helicopter Takeoffs	6	6	6	6	6	6	6
Total Aircraft Takeoffs	51	32	19	8	42	56	88

Weekly

Prorated Helicopter Takeoffs	42
Fixed Wing Takeoffs	254
Total Aircraft Takeoffs	296

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 OQN Brandywine Airport
 OQN Spring II 2011

For: 15 June 2011 - 21 June 2011

Day->	Wed 15-Jun	Thurs 16-Jun	Fri 17-Jun	Sat 18-Jun	Sun 19-Jun	Mon 20-Jun	Tues 21-Jun
12 am	1						
1 am							
2 am	1						
3 am							
4 am	1						
5 am					1		
6 am	1	1		4			
7 am	3	1		3			2
8 am	4	1		8	4	1	1
9 am	9	3		13	9	3	5
10 am	7	2	2	15	5	1	8
11 am	5	3	12	15	28	3	8
12 pm	2	2	4	16	20	2	4
1 pm	5	3	4	15	17	2	1
2 pm	5	4		20	20	2	1
3 pm	3	7	1	17	14	1	2
4 pm	2	2	3	7	5	1	8
5 pm	4		7	7	3	5	6
6 pm	6	1	2	4	10		8
7 pm	7	1	2		10	2	3
8 pm	6		1	1	1		1
9 pm	1			1		1	2
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	6	6	6	6	6	6	6
Total Aircraft Takeoffs	79	37	44	152	153	30	66

Weekly

Prorated Helicopter Takeoffs	42
Fixed Wing Takeoffs	519
Total Aircraft Takeoffs	561

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 OQN Brandywine Airport
 OQN Summer I 2011

For: 13 July 2011 - 19 July 2011

Day->	Wed 13-Jul	Thurs 14-Jul	Fri 15-Jul	Sat 16-Jul	Sun 17-Jul	Mon 18-Jul	Tues 19-Jul
12 am							
1 am							
2 am							
3 am							
4 am						1	
5 am			1	1	1		
6 am	1			1		1	1
7 am	1		1	8	5	2	1
8 am		2		5	7	1	7
9 am	6	5	5	11	12	10	8
10 am	13	3	3	6	5	4	4
11 am	10	4	5	6	7	2	7
12 pm	8	3	10	10	8	3	8
1 pm	1	3	4	1	3	2	12
2 pm		3	5	5	11	1	10
3 pm	1	1	4	5	8	7	1
4 pm	2	9	3	4		1	2
5 pm	1	4			1	9	2
6 pm	6	3		1	1	1	
7 pm	2	10	1		4	5	
8 pm	2	4			1	2	
9 pm		2	1		1		
10 pm	3				2		
11 pm		1	1				
Daily							
Prorated Helicopter Takeoffs	6	6	6	6	6	6	6
Total Aircraft Takeoffs	63	63	50	70	83	58	69
Weekly							
Prorated Helicopter Takeoffs	42						
Fixed Wing Takeoffs	414						
Total Aircraft Takeoffs	456						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 OQN Brandywine Airport
 OQN Summer II 2011

For: 11 August 2011 - 17 August 2011

Day->	Thurs 11-Aug	Fri 12-Aug	Sat 13-Aug	Sun 14-Aug	Mon 15-Aug	Tues 16-Aug	Wed 17-Aug
12 am							
1 am							
2 am			1	1			
3 am				3	2		
4 am			1	4	3	2	
5 am		1	1	3	3	3	1
6 am			4	5	1	3	1
7 am		2	6	6	2	1	5
8 am	1	2	5	10	5	3	5
9 am	3	4	4	14	1	2	8
10 am	7	3	2	8	1	1	1
11 am	3	2	2	2	2		2
12 pm	6	7	6	2	5	1	3
1 pm	3	2	2	2	2	1	4
2 pm	5	4	2	1	1	2	6
3 pm	9	14	4	2	5		3
4 pm	3	4	6		1		2
5 pm	6	4			5		7
6 pm	6	3	1		5	6	7
7 pm	5	4			5	2	8
8 pm	2					2	1
9 pm		1			2		
10 pm			1				
11 pm							

Daily

Prorated Helicopter Takeoffs	6	6	6	6	6	6	6
Total Aircraft Takeoffs	65	63	54	69	57	35	70

Weekly

Prorated Helicopter Takeoffs	42
Fixed Wing Takeoffs	371
Total Aircraft Takeoffs	413

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 OQN Brandywine Airport
 OQN Fall I 2011

For: 5 October 2011 - 11 October 2011

Day->	Wed 5-Oct	Thurs 6-Oct	Fri 7-Oct	Sat 8-Oct	Sun 9-Oct	Mon 10-Oct	Tues 11-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am				1	2		1
7 am	2	1		1		1	
8 am	5	3	2	2	1	1	2
9 am	4	5	6	12	8		4
10 am	3	4	5	6	6	5	7
11 am	1	11	4	17	7	3	3
12 pm	1	3	2	9	7	3	9
1 pm	4	9	4	12	6	3	5
2 pm	5	9	2	4	6	4	2
3 pm	5	8	8	4	6	5	2
4 pm	5	10	4	2	5	7	4
5 pm	3	7	16	6	11	7	6
6 pm	4	7	4	3	3	5	3
7 pm	2	2		2	1	6	1
8 pm				1		6	
9 pm							1
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	6	6	6	6	6	6	6
Total Aircraft Takeoffs	50	85	63	88	75	62	56
Weekly							
Prorated Helicopter Takeoffs	42						
Fixed Wing Takeoffs	437						
Total Aircraft Takeoffs	479						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 OQN Brandywine Airport
 OQN Fall II 2011

For: 1 December 2011 - 7 December 2011

Day->	Thurs 1-Dec	Fri 2-Dec	Sat 3-Dec	Sun 4-Dec	Mon 5-Dec	Tues 6-Dec	Wed 7-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am			1	2	2	1	
7 am	1	2	4	2	3	1	1
8 am	7	5	5	3	9	3	1
9 am	8	6	4	9	2	1	2
10 am	4	16	6	3	1	1	5
11 am	1	5	8	5	9	6	9
12 pm	1	1	8	4	3	5	10
1 pm	1	5	7	3	2	5	4
2 pm	4	2	9	10	9	6	5
3 pm	6	2	6	6	8	4	1
4 pm	6	6	6	1	2	1	1
5 pm	2	3	5		3		1
6 pm	3	2	5		1		1
7 pm	2		1				
8 pm			1				
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	6	6	6	6	6	6	6
Total Aircraft Takeoffs	52	61	82	54	60	40	47

Weekly

Prorated Helicopter Takeoffs	42
Fixed Wing Takeoffs	354
Total Aircraft Takeoffs	396

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 OQN Brandywine Airport
 OQN Winter I 2012

For: 5 January 2012 - 11 January 2012

Day->	Thurs 5-Jan	Fri 6-Jan	Sat 7-Jan	Sun 8-Jan	Mon 9-Jan	Tues 10-Jan	Wed 11-Jan
12 am			1				
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1	1	1			1
7 am	1		1				3
8 am		1	3	5	1		2
9 am	7	6	3	10	5	1	2
10 am	6	9	14	11	11	3	7
11 am	1	5	8	11	3	9	2
12 pm	3		3	4	3	1	5
1 pm	5	7	2	5	2	1	2
2 pm	7	2	2	5	5	5	3
3 pm	2	6	2	1	3	4	1
4 pm	3	8	1	8	3	4	3
5 pm	3	2	2	3		2	1
6 pm		2				2	
7 pm		1	3			1	
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	6	6	6	6	6	6	6
Total Aircraft Takeoffs	44	56	52	70	42	39	38

Weekly

Prorated Helicopter Takeoffs	42
Fixed Wing Takeoffs	299
Total Aircraft Takeoffs	341

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 OQN Brandywine Airport
 OQN Winter II 2012

For: 17 February 2012 - 23 February 2012

Day->	Fri 17-Feb	Sat 18-Feb	Sun 19-Feb	Mon 20-Feb	Tues 21-Feb	Wed 22-Feb	Thurs 23-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am				1			
6 am		1			2		
7 am							
8 am	1	5	7		5	6	
9 am	2	8	8	2	3	11	1
10 am	1	9	4	6	1	4	1
11 am	1	10	8		3	5	6
12 pm	5	8	13	5	1	1	3
1 pm	1	5	5	6			1
2 pm	4	6	8	11	4		
3 pm	1	2	5	3	3		2
4 pm	2	2	2	2		2	7
5 pm	5	1	1	3	3		3
6 pm	6	1				1	1
7 pm						2	
8 pm							
9 pm							
10 pm							4
11 pm							

Daily

Prorated Helicopter Takeoffs	6	6	6	6	6	6	6
Total Aircraft Takeoffs	35	64	67	45	31	38	35

Weekly

Prorated Helicopter Takeoffs	42
Fixed Wing Takeoffs	273
Total Aircraft Takeoffs	315

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Camden County Airport (19N)

Camden County

Berlin, NJ 08009

Runway Orientation: 05/23

Runway Length: 3,094 ft.

Table 6: Camden County Airport (19N) Based Aircraft

Based Aircraft Fleet Mix	
Single Engine	29
Multi Engine	1
Jet	0
Helicopter	0
Glider	0
Total	30

Source: Camden County Airport

Camden County Airport (19N) had a modest seven percent increase in overall flight operations for this counting cycle. This is almost all due to helicopter operations, which have increased 45 percent during the counting period and account for approximately 20 percent of all flight operations. Based fixed-wing aircraft have also been increased by four aircraft (up 14 percent) which will continue to contribute to the financial health of the airport.

All of the helicopter operations are from transient aircraft since there are no based helicopters at Camden County Airport. A large number of these flights are because of the nearby Pine Valley Golf Course, which is only one mile west of the airport. Camden County Airport is a well-maintained facility and, with an improvement in the U.S. business cycle, Camden County Airport operations should continue to grow.

2011/12 Aircraft Operations Counting Program

Figure 6: Camden County Airport (19N) Aerial Photo



Source: DVRPC

2011/12 Aircraft Operations Counting Program

DVRPC Aircraft Counting Program

Activity Summary

Airport: 19N Camden County Airport

County: Camden County, NJ

Table 7: Camden County Airport (19N) Annual Summary

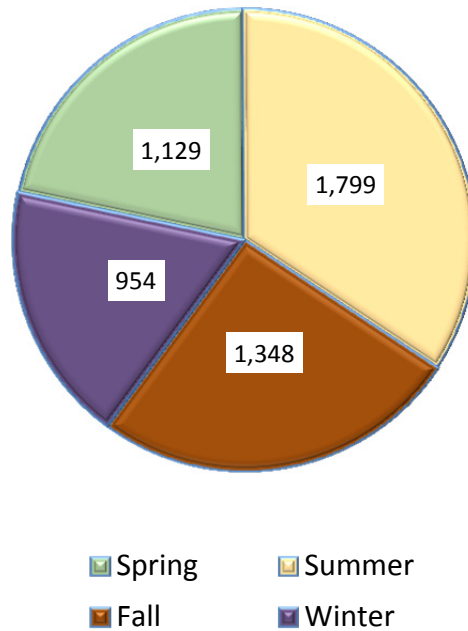
Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2012	12.14	1,129	22%
Summer	2012	19.14	1,799	34%
Fall	2012	15.14	1,348	26%
Winter	2012	10.71	954	18%
Annual Operations:		2011/12	5,230	

Margin of Error: 16 at 95% confidence

Source: DVRPC

Figure 7: Camden County Airport (19N) Seasonal Summary

Source: DVRPC



2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 19N Camden County Airport
 19N Spring I 2011

For: 2 April 2011 - 8 April 2011

Day->	Sat 2-Apr	Sun 3-Apr	Mon 4-Apr	Tues 5-Apr	Wed 6-Apr	Thurs 7-Apr	Fri 8-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1				1	1	
7 am		1					
8 am	1						
9 am	1	1			1		
10 am	1	1			1	1	
11 am	2	1				1	
12 pm	8	1				2	
1 pm							
2 pm	1	1					
3 pm	1				1		
4 pm	1	1					
5 pm							
6 pm							
7 pm					1		
8 pm							
9 pm							
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	2	2	1	1	1	1	1
Total Aircraft Takeoffs	19	9	1	1	6	6	1

Weekly	
Prorated Helicopter Takeoffs	9
Fixed Wing Takeoffs	34
Total Aircraft Takeoffs	43

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 19N Camden County Airport
 19N Spring II 2011

For: 21 May 2011 - 27 May 2011

Day->	Sat 21-May	Sun 22-May	Mon 23-May	Tues 24-May	Wed 25-May	Thurs 26-May	Fri 27-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							1
7 am							
8 am					1		1
9 am						1	
10 am	1					1	
11 am	2					3	1
12 pm					3		
1 pm	2				1	1	
2 pm	2					1	
3 pm	1	2					
4 pm	1					1	
5 pm					1		
6 pm						1	
7 pm				3	1		
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	2	2	1	1	1	1	1
Total Aircraft Takeoffs	11	4	1	4	8	10	4

Weekly

Prorated Helicopter Takeoffs	9
Fixed Wing Takeoffs	33
Total Aircraft Takeoffs	42

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 19N Camden County Airport
 19N Summer I 2011

For: 15 July 2011 - 21 July 2011

Day->	Fri 15-Jul	Sat 16-Jul	Sun 17-Jul	Mon 18-Jul	Tue 19-Jul	Wed 20-Jul	Thurs 21-Jul
12 am						2	
1 am							
2 am							
3 am							
4 am	1						
5 am							
6 am				1			
7 am	1						
8 am					1		
9 am				1		2	1
10 am	2				1	1	1
11 am				1	3	1	
12 pm	1				2		1
1 pm							
2 pm	7	1	1		1		5
3 pm		1	1			1	
4 pm				6			
5 pm	2			1		1	
6 pm	1			1			1
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	1	2	2	2	2	2	1
Total Aircraft Takeoffs	16	4	4	13	10	10	10

Weekly

Prorated Helicopter Takeoffs	12	
Fixed Wing Takeoffs	55	* (No recount data available; duplicated Summer 2 data to compensate for missing Summer 1.)
Total Aircraft Takeoffs	67	

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 19N Camden County Airport
 19N Summer II 2011

For: 13 September 2011 - 19 September 2011

Day->	Tues 13-Sep	Wed 14-Sep	Thurs 15-Sep	Fri 16-Sep	Sat 17-Sep	Sun 18-Sep	Mon 19-Sep
12 am						2	
1 am							
2 am							
3 am							
4 am	1						
5 am							
6 am				1			
7 am	1						
8 am					1		
9 am				1		2	1
10 am	2				1	1	1
11 am				1	3	1	
12 pm	1				2		1
1 pm							
2 pm	7	1	1		1		5
3 pm		1	1			1	
4 pm				6			
5 pm	2			1		1	
6 pm	1			1			1
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	1	2	2	2	2	2	1
Total Aircraft Takeoffs	16	4	4	13	10	10	10

Weekly

Prorated Helicopter Takeoffs	12
Fixed Wing Takeoffs	55
Total Aircraft Takeoffs	67

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 19N Camden County Airport
 19N Fall I 2011

For: 1 November 2011 - 7 November 2011

Day->	Tues 1-Nov	Wed 2-Nov	Thurs 3-Nov	Fri 4-Nov	Sat 5-Nov	Sun 6-Nov	Mon 7-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am				1			
7 am							
8 am					2		
9 am				1		1	
10 am					1		
11 am	1		1		2	1	
12 pm	1	1		1	3	2	
1 pm					2	1	
2 pm			1		2	1	
3 pm		2		2	1	3	
4 pm			1		1	1	
5 pm							
6 pm				2			
7 pm							
8 pm	1						
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	2	2	2	2	2	2	2
Total Aircraft Takeoffs	5	5	5	9	16	12	2

Weekly

Prorated Helicopter Takeoffs	14
Fixed Wing Takeoffs	40
 Total Aircraft Takeoffs	 54

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 19N Camden County Airport
 19N Fall II 2011

For: 12 December 2011 - 18 December 2011

Day->	Mon 12-Dec	Tues 13-Dec	Wed 14-Dec	Thurs 15-Dec	Fri 16-Dec	Sat 17-Dec	Sun 18-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am						1	
9 am							
10 am						2	1
11 am		1			1	1	
12 pm			1			2	6
1 pm				1			2
2 pm	1	1	1	1	1	1	
3 pm	1					1	5
4 pm			1		1	2	
5 pm					1		
6 pm							1
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	2	2	2	2	2	2	2
Total Aircraft Takeoffs	4	4	5	4	6	12	17

Weekly

Prorated Helicopter Takeoffs	14
Fixed Wing Takeoffs	38
Total Aircraft Takeoffs	52

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 19N Camden County Airport
 19N Winter I 2012

For: 19 January 2012 - 25 January 2012

Day->	Thurs 19-Jan	Fri 20-Jan	Sat 21-Jan	Sun 22-Jan	Mon 23-Jan	Tues 24-Jan	Wed 25-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am			1				
9 am							
10 am			1			1	
11 am			2	1			
12 pm			1				
1 pm						1	
2 pm			1			2	
3 pm							1
4 pm							3
5 pm	1						1
6 pm							
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs			1	1	1	1	1
Total Aircraft Takeoffs	1	0	7	2	1	5	6

Weekly

Prorated Helicopter Takeoffs	5
Fixed Wing Takeoffs	17
Total Aircraft Takeoffs	22

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 19N Camden County Airport
 19N Winter II 2012

For: 8 March 2012 - 14 March 2012

Day->	Thurs 8-Mar	Fri 9-Mar	Sat 10-Mar	Sun 11-Mar	Mon 12-Mar	Tues 13-Mar	Wed 14-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am				1			
9 am						1	1
10 am				1		1	1
11 am			1	1	2		2
12 pm		1	2	2	1		
1 pm			2		1		2
2 pm		4	4			1	3
3 pm			1	4		2	1
4 pm				1		2	1
5 pm				1			
6 pm							
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs		1	1	1		1	1
Total Aircraft Takeoffs	0	6	11	12	4	8	12

Weekly

Prorated Helicopter Takeoffs	5
Fixed Wing Takeoffs	48
Total Aircraft Takeoffs	53

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Cecil County Airport (58M)

Cecil County

Elkton, MD 21922

Runway Orientation: 13/31

Runway Length: 2,989 ft.

Table 8: Cecil County Airport (58M) Based Aircraft

Based Aircraft Fleet Mix	
Single Engine	52
Multi Engine	8
Jet	1
Helicopter	0
Glider	0
Total	61

Source: Cecil County Airport

Cecil County Airport is a privately owned airport located near the Elk River in Elkton, Maryland. During this counting period, Cecil County Airport had a reported growth of 1 percent in overall flight operations. While only limited growth was experienced, the airport facilities are first rate, with a new terminal building, improved taxiway, and 10 new “T” hangars completed. Long-term plans include construction of a runway extension.

The current runway surface is in excellent condition and well-marked with a recently completed parallel taxiway extension. Aircraft major maintenance is available for both airframe and power plant along with flight instruction and aircraft rentals.

Figure 8: Cecil County Airport (58M) Aerial Photo



Source: DVRPC

2011/12 Aircraft Operations Counting Program

DVRPC Aircraft Counting Program

Activity Summary

Airport: 58M Cecil County Airport

County: Cecil County, MD

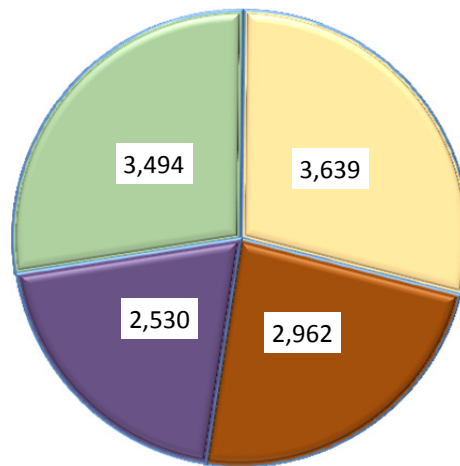
Table 9: Cecil County Airport (58M) Annual Summary

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2011	37.57	3,494	28%
Summer	2011	38.71	3,639	29%
Fall	2011	33.29	2,962	23%
Winter	2012	28.43	2,530	20%
Annual Operations:		2011/12	12,625	
Margin of Error: 15 at 95% confidence				

Source: DVRPC

Figure 9: Cecil County Airport (58M) Seasonal Summary

Source: DVRPC



Spring
 Summer
 Fall
 Winter

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 58M Cecil County Airport
 58M Spring I 2011

For: 25 April 2011 - 1 May 2011

Day->	Mon 25-Apr	Tues 26-Apr	Wed 27-Apr	Thurs 28-Apr	Fri 29-Apr	Sat 30-Apr	Sun 1-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am		1		1		2	2
8 am			1		1	3	2
9 am			2	1	1	2	8
10 am			2	2	3	2	2
11 am		1	2	3	2	1	3
12 pm		1	2	3	1	4	1
1 pm			1	2	2	3	8
2 pm	1		1		2	3	2
3 pm	1			1		4	1
4 pm	1		1	1	1	2	2
5 pm	2			2		1	5
6 pm			1			3	2
7 pm	1		1	1		1	1
8 pm						2	
9 pm							
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	2	2	2	2	2	2	2
Total Aircraft Takeoffs	8	5	16	19	15	35	41
Weekly							
Prorated Helicopter Takeoffs	14						
Fixed Wing Takeoffs	125						
Total Aircraft Takeoffs	139						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 58M Cecil County Airport
 58M Spring II 2011

For: 15 June 2011 - 21 June 2011

Day->	Wed 15-Jun	Thurs 16-Jun	Fri 17-Jun	Sat 18-Jun	Sun 19-Jun	Mon 20-Jun	Tues 21-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am				1			
7 am				3			
8 am	1			2	1		
9 am				2	1		
10 am				5	4		3
11 am	3		1	5	6	3	
12 pm	4		2	2	1	1	
1 pm		1		1	2	1	
2 pm	1		1	1	1	1	2
3 pm	1		2	1	1	3	1
4 pm	1	1		2	2		
5 pm	1	2		2	3	2	
6 pm	2		2	2	2		1
7 pm	3		2				
8 pm	1				1	1	
9 pm			1		1		1
10 pm						2	
11 pm							

Daily

Prorated Helicopter Takeoffs	2	2	2	2	2	2	2
Total Aircraft Takeoffs	20	6	13	31	28	16	10

Weekly

Prorated Helicopter Takeoffs	14
Fixed Wing Takeoffs	110
Total Aircraft Takeoffs	124

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 58M Cecil County Airport
 58M Summer I 2011

For: 14 July 2011 - 20 July 2011

Day->	Thurs 14-Jul	Fri 15-Jul	Sat 16-Jul	Sun 17-Jul	Mon 18-Jul	Tues 19-Jul	Wed 20-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am						1	1
8 am		1	1			3	1
9 am	1	1	1	1	1	1	2
10 am	1	1	4	3	1	1	
11 am		4	1	2	1	1	
12 pm	1	2	3	3	1	1	
1 pm	2		3	1	1	3	3
2 pm	2		4	4	2	3	
3 pm		1	4	3	3	4	
4 pm	2			3	5	3	1
5 pm		3	1	5	1	1	
6 pm				1	1	2	
7 pm				2		1	1
8 pm							2
9 pm	2						
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	2	2	2	2	2	2	2
Total Aircraft Takeoffs	13	15	24	30	19	27	13
Weekly							
Prorated Helicopter Takeoffs	14						
Fixed Wing Takeoffs	127						
Total Aircraft Takeoffs	141						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 58M Cecil County Airport
 58M Summer II 2011

For: 11 August 2011 - 17 August 2011

Day->	Thurs 11-Aug	Fri 12-Aug	Sat 13-Aug	Sun 14-Aug	Mon 15-Aug	Tues 16-Aug	Wed 17-Aug
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1					
7 am	1	2	1		2		
8 am	2	2	1				1
9 am	5	3	8				3
10 am	4	2	4				1
11 am	4	3	2				2
12 pm	3	2	1			1	1
1 pm	1	3				2	2
2 pm	2	1	1			1	2
3 pm	2	2			1		2
4 pm	2		1				
5 pm	1	2	1				1
6 pm	3	4				1	1
7 pm	4					2	
8 pm	4						1
9 pm	1					1	1
10 pm						1	
11 pm							

Daily

Prorated Helicopter Takeoffs	2	2	2	2	2	2	2
Total Aircraft Takeoffs	41	29	22	2	5	11	20

Weekly

Prorated Helicopter Takeoffs	14
Fixed Wing Takeoffs	116
Total Aircraft Takeoffs	130

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 58M Cecil County Airport
 58M Fall I 2011

For: 4 October 2011 - 10 October 2011

Day->	Tues 4-Oct	Wed 5-Oct	Thurs 6-Oct	Fri 7-Oct	Sat 8-Oct	Sun 9-Oct	Mon 10-Oct
12 am	1						
1 am							
2 am							
3 am							
4 am							
5 am					1		
6 am		1					
7 am							
8 am	2	1			2	2	
9 am		2		1	2	3	1
10 am	2	1		1	5	2	
11 am			4		4	6	
12 pm			2	1	1	4	
1 pm	2		1	2		4	3
2 pm		1	2	2	2	1	2
3 pm				1	4	2	1
4 pm				6	1		
5 pm		1	4	2	1	1	3
6 pm	2	1	2	1	1	1	2
7 pm							
8 pm			1				
9 pm							
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	2	2	2	2	2	2	2
Total Aircraft Takeoffs	11	10	18	19	26	28	14
Weekly							
Prorated Helicopter Takeoffs	14						
Fixed Wing Takeoffs	112						
Total Aircraft Takeoffs	126						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 58M Cecil County Airport
 58M Fall II 2011

For: 1 December 2011 - 7 December 2011

Day->	Thurs 1-Dec	Fri 2-Dec	Sat 3-Dec	Sun 4-Dec	Mon 5-Dec	Tues 6-Dec	Wed 7-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am				1			
8 am			3	1			1
9 am		2	1	1			
10 am		2	1	16			
11 am		2	1	1			
12 pm			5	8			1
1 pm		1	6	8	2		
2 pm	1	2	2	2	2		
3 pm		1	1	4	1		
4 pm	2	2	1	1			
5 pm	1			1			
6 pm				1			
7 pm	2						
8 pm	2						
9 pm							
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	2	2	2	2	2	2	2
Total Aircraft Takeoffs	10	14	23	47	7	2	4
Weekly							
Prorated Helicopter Takeoffs	14						
Fixed Wing Takeoffs	93						
Total Aircraft Takeoffs	107						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 58M Cecil County Airport
 58M Winter I 2012

For: 5 January 2012 - 11 January 2012

Day->	Thurs 5-Jan	Fri 6-Jan	Sat 7-Jan	Sun 8-Jan	Mon 9-Jan	Tues 10-Jan	Wed 11-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am				6		1	
9 am	2			1			1
10 am	1	2	1	9	1	2	
11 am		1	2	2			1
12 pm	2	1	1	4	1	1	3
1 pm		3	2	2	3	2	3
2 pm	1	1	2	1			1
3 pm	3	3	4	3			2
4 pm	1		1	1	1	1	
5 pm					2	1	1
6 pm	1						
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	2	2	2	2	2	2	2
Total Aircraft Takeoffs	13	13	15	31	10	10	14
Weekly							
Prorated Helicopter Takeoffs	14						
Fixed Wing Takeoffs	92						
Total Aircraft Takeoffs	106						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 58M Cecil County Airport
 58M Winter II 2012

For: 17 February 2012 - 23 February 2012

Day->	Fri 17-Feb	Sat 18-Feb	Sun 19-Feb	Mon 20-Feb	Tues 21-Feb	Wed 22-Feb	Thurs 23-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am				2			
8 am		1					1
9 am		2		1			
10 am	1	12	1		1	1	
11 am	4	4	1			1	1
12 pm	4	2	1	1			
1 pm		1	2			1	2
2 pm			4			1	
3 pm					2	2	
4 pm	3		3	1	1	1	
5 pm	1		4	1		2	
6 pm						2	1
7 pm				1		1	
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	2	2	2	2	2	2	2
Total Aircraft Takeoffs	15	24	18	9	6	14	7

Weekly

Prorated Helicopter Takeoffs	14
Fixed Wing Takeoffs	79
Total Aircraft Takeoffs	93

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Cross Keys Airport (17N)

Gloucester County

Williamstown, NJ 08094

Runway Orientation: 09/27

Runway Length: 3,500 ft.

Table 10: Cross Keys Airport (17N) Based Aircraft

Based Aircraft Fleet Mix	
Single Engine	43
Multi Engine	5
Jet	0
Helicopter	2
Glider	0
Total	50

Source: Cross Keys Airport

Flight operations declined 11 percent during this counting period. While some of this decline is due to the current economic conditions, some may be due to the poor runway surface conditions. There are five less aircraft based at the airport since 2009, a nine percent loss, which most likely accounts for a portion of the decline in flight operations.

Freefall Adventure is a skydiving or parachute jumping business based at Cross Keys and is a major contributor to the Flight operations at Cross Keys. They offer skydiving instruction and also provide services to experienced skydivers. Cross Keys also has an avionics repair shop on the field, Alron Avionics, which specializes in avionics sales, repair, and installation.

2011/12 Aircraft Operations Counting Program

Figure 10: Cross Keys Airport (17N) Aerial Photo



Source: DVRPC

2011/12 Aircraft Operations Counting Program

DVRPC Aircraft Counting Program

Activity Summary

Airport: 17N Cross Keys Airport

County: Gloucester County, NJ

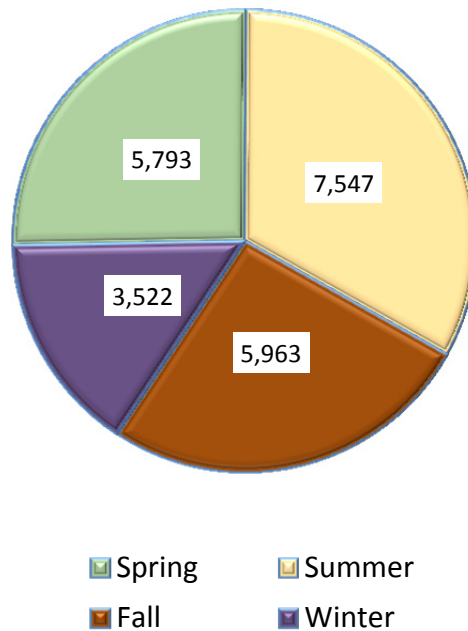
Table 11: Cross Keys Airport (17N) Annual Summary

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2011	62.29	5,793	25%
Summer	2011	80.29	7,547	33%
Fall	2011	67.00	5,963	26%
Winter	2012	39.57	3,522	15%
Annual Operations:		2011/12	22,825	

Margin of Error: 14 at 95% confidence
 Source: DVRPC

Figure 11: Cross Keys Airport (17N) Seasonal Summary

Source: DVRPC



2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 17N Cross Keys Airport
 17N Spring I 2011

For: 6 April 2011 - 12 April 2011

Day->	Wed 6-Apr	Thurs 7-Apr	Fri 8-Apr	Sat 9-Apr	Sun 10-Apr	Mon 11-Apr	Tues 12-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1					
7 am		1					
8 am		3			1		1
9 am	1	4	1	5	5	1	3
10 am		6	5	6	1	2	
11 am	6	1	8	5	5	3	2
12 pm	3	1	1	4	2		4
1 pm	4	1	6	5	3	2	4
2 pm	4	2	3	2	5	5	1
3 pm	5	2	4	3	4		
4 pm	2	1	2	3	3	3	3
5 pm	1	3	5	2	6	2	2
6 pm	2	2	1	3	4		4
7 pm	1						
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	0	1	0	1	1	1	0
Total Aircraft Takeoffs	29	29	36	39	40	19	24

Weekly

Prorated Helicopter Takeoffs	4
Fixed Wing Takeoffs	212
 Total Aircraft Takeoffs	 216

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 17N Cross Keys Airport
 17N Spring II 2011

For: 21 May 2011 to 27 May 2011

Day->	Sat 21-May	Sun 22-May	Mon 23-May	Tues 24-May	Wed 25-May	Thurs 26-May	Fri 27-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am				3	1		
7 am		1		3			
8 am	2			6			
9 am	7			2	3		2
10 am	4		2	4	6	1	3
11 am	9		1	2	7	5	
12 pm	14		1	5	4	2	2
1 pm	10	1		1	2	3	
2 pm	11	2	1	2	4	5	
3 pm	11	1	4	3	2	2	
4 pm	10		1	1	2	2	
5 pm	12	1		1	1	1	
6 pm	6		1	3	1	1	
7 pm				1	2	2	
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	1	0	0	1	1	1	0
Total Aircraft Takeoffs	97	6	11	38	36	25	7

Weekly

Prorated Helicopter Takeoffs	4
Fixed Wing Takeoffs	216
Total Aircraft Takeoffs	220

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 17N Cross Keys Airport
 17N Summer I 2011

For: 19 July 2011 - 25 July 2011

Day->	Tues 19-Jul	Wed 20-Jul	Thurs 21-Jul	Fri 22-Jul	Sat 23-Jul	Sun 24-Jul	Mon 25-Jul
12 am				1			
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1						
7 am	1	1	1				
8 am	2	4	3		3	2	
9 am	5	7	7	1	7	2	8
10 am	8	5	1	1	6	3	
11 am	2	9	1	2	6	5	3
12 pm	4	4	4	3	4	4	1
1 pm	7	2	3	3	5	7	2
2 pm	4	3	2	2	7	4	5
3 pm	10	1	3	3	4	5	2
4 pm	1	1	2	2	6		1
5 pm	1	2	2	4	5		
6 pm	5	1	2	2	3	2	
7 pm			2	2	2	1	
8 pm			6		2		
9 pm							1
10 pm			1				
11 pm							

Daily

Prorated Helicopter Takeoffs	1	0	0	1	1	1	0
Total Aircraft Takeoffs	52	40	40	27	61	36	23

Weekly

Prorated Helicopter Takeoffs	4
Fixed Wing Takeoffs	275
 Total Aircraft Takeoffs	 279

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 17N Cross Keys Airport
 17N Summer II 2011

For: 13 September 2011 to 19 September 2011

Day->	Tues 13-Sep	Wed 14-Sep	Thurs 15-Sep	Fri 16-Sep	Sat 17-Sep	Sun 18-Sep	Mon 19-Sep
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1			1			
7 am	1		1				1
8 am	2		1		6	1	
9 am	3	2		5	12	4	2
10 am	2	2		9	4	6	
11 am	1	5	3	8	4	4	2
12 pm	4	3	2	8	6	1	1
1 pm	4	2	1	12	5		1
2 pm	3	8		6	9	1	1
3 pm	9	2	1	11	6	1	3
4 pm	6		1	8	3	1	2
5 pm	11	3		10	2	3	1
6 pm	5			4	2	2	1
7 pm	7			1		2	
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	1	0	0	2	1	0	0
Total Aircraft Takeoffs	60	27	10	85	60	26	15

Weekly

Prorated Helicopter Takeoffs	4
Fixed Wing Takeoffs	279
Total Aircraft Takeoffs	283

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 17N Cross Keys Airport
 17N Fall I 2011

For: 1 November 2011 to 7 November 2011

Day->	Tues 1-Nov	Wed 2-Nov	Thurs 3-Nov	Fri 4-Nov	Sat 5-Nov	Sun 6-Nov	Mon 7-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am				1	2		
8 am		1				1	1
9 am			8		1		
10 am	1	1	1	2	6	3	
11 am	4	3	2	1	5	10	1
12 pm	2	5	2	8	5	13	7
1 pm	3	1	2	5	8	8	7
2 pm	1	11	4	5	5	6	8
3 pm	3	6	1	5	8	9	4
4 pm	1	3	6	2	1	9	
5 pm		1	3		2	3	
6 pm					1	1	
7 pm							
8 pm						2	
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	0	1	1	0	1	1	0
Total Aircraft Takeoffs	15	33	30	29	45	66	28

Weekly

Prorated Helicopter Takeoffs	4
Fixed Wing Takeoffs	242
 Total Aircraft Takeoffs	 246

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 17N Cross Keys Airport
 17N Fall II 2011

For: 13 December 2011 - 19 December 2011

Day->	Tues 13-Dec	Wed 14-Dec	Thurs 15-Dec	Fri 16-Dec	Sat 17-Dec	Sun 18-Dec	Mon 19-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1	1			1		
8 am	1	3		1	1	1	1
9 am	2	6	6	1	2	5	1
10 am	1	1	1	4	4	9	4
11 am	1	1	9	3	8	6	3
12 pm	1	2	1	11	12	7	10
1 pm	1	3	6	3	2	6	2
2 pm	2	9	2	3	1	3	1
3 pm	1	1	1	2	6	3	4
4 pm	3		1	3	4		6
5 pm	3			2	1		
6 pm	1						
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	0	1	0	1	1	1	0
Total Aircraft Takeoffs	18	28	27	34	43	41	32

Weekly

Prorated Helicopter Takeoffs	4
Fixed Wing Takeoffs	219
Total Aircraft Takeoffs	223

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 17N Cross Keys Airport
 17N Winter I 2012

For: 19 January 2012 - 25 January 2012

Day->	Thurs 19-Jan	Fri 20-Jan	Sat 21-Jan	Sun 22-Jan	Mon 23-Jan	Tues 24-Jan	Wed 25-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am		1	6	2			
9 am		1	8		1		
10 am	7		11	2			
11 am	7			2	3	3	
12 pm		1	1	8	2		1
1 pm	2	1		7	1		1
2 pm	2	11		2	3	1	
3 pm	3	3		6			
4 pm				1	1		2
5 pm							
6 pm							
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	1	1	2	0	0	0	0
Total Aircraft Takeoffs	22	19	28	30	11	4	4

Weekly

Prorated Helicopter Takeoffs	4
Fixed Wing Takeoffs	114
Total Aircraft Takeoffs	118

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 17N Cross Keys Airport
 17N Winter II 2012

For: 6 March 2012 - 12 March 2012

Day->	Tues 6-Mar	Wed 7-Mar	Thurs 8-Mar	Fri 9-Mar	Sat 10-Mar	Sun 11-Mar	Mon 12-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am		2			1		
8 am	1		1			2	1
9 am		2	1	1	2	3	
10 am	3	2	4	2	1	7	
11 am	2	1	1		9	3	2
12 pm	3	1	4		5	4	2
1 pm	4	4	3	3	8	5	2
2 pm	5	2	2	1	2	2	1
3 pm	6		1	2	2	2	2
4 pm	3	1		3	4		3
5 pm		1	1	1	1		
6 pm						1	
7 pm	1						
8 pm	2						
9 pm				1			
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	0	0	0	1	1	1	1
Total Aircraft Takeoffs	30	16	18	15	36	30	14

Weekly

Prorated Helicopter Takeoffs	4
Fixed Wing Takeoffs	155
Total Aircraft Takeoffs	159

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Flying W Airport (N14)

Burlington County

Medford, NJ 08055

Runway Orientation: 01/19

Runway Length: 3,496 ft.

Table 12: Flying W Airport (N14) Based Aircraft

Based Aircraft Fleet Mix	
Single Engine	90
Multi Engine	7
Jet	0
Helicopter	7
Glider	0
Total	104

Source: Flying W Airport

As one of the busiest general aviation (GA) airports in the region and the most active of the RASP airports, Flying W has recorded a significant downturn in flight operations (24 percent) this counting cycle. The reduction has been attributed to the loss of student training flights due to the closing of the flight school. Additionally, there was a loss in helicopter operations, which was partially due to the relocation of one based helicopter to South Jersey Regional Airport (also managed by Flying W). Since completion of this counting cycle, Free Flight Aviation has opened up flight training operations at Flying W, and this should increase flight operations.

A reduction in based aircraft from 115 aircraft (2009 survey) to the current 104 aircraft has contributed to loss of flight operations. Many of these lost based aircraft were originally based at South Jersey Regional Airport, which is located nearby, and relocated to Flying W airport during a period of difficulties with the former Fixed-Base Operator (FBO) at South Jersey Regional. The new FBO at South Jersey Regional Airport has recently reported a growth of more than 15 new based aircraft, and it is assumed that many of these were formerly based there.

2011/12 Aircraft Operations Counting Program

Figure 12: Flying W Airport (N14) Aerial Photo



Source: DVRPC

2011/12 Aircraft Operations Counting Program

DVRPC Aircraft Counting Program

Activity Summary

Airport: N14 Flying W Airport

County: Burlington County, NJ

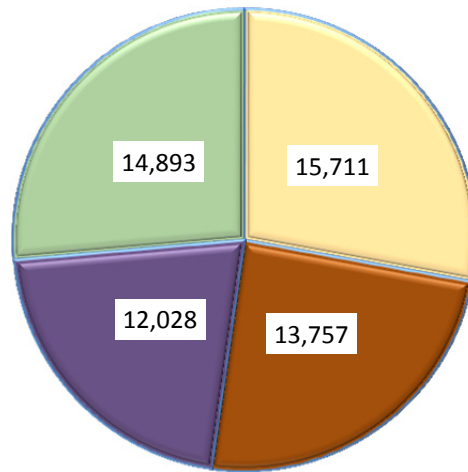
Table 13: Flying W Airport (N14) Annual Summary

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2011	160.14	14,893	26%
Summer	2011	167.14	15,711	28%
Fall	2011	154.57	13,757	24%
Winter	2012	135.14	12,028	21%
Annual Operations:		2011/12	56,389	
Margin of Error: 6 at 95% confidence				

Source: DVRPC

Figure 13: Flying W Airport (N14) Seasonal Summary

Source: DVRPC



■ Spring ■ Summer
■ Fall ■ Winter

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N14 Flying W
 N14 Spring I 2011

For: 6 April 2011 - 12 April 2011

Day->	Wed 6-Apr	Thurs 7-Apr	Fri 8-Apr	Sat 9-Apr	Sun 10-Apr	Mon 11-Apr	Tues 12-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1	1	1				
7 am						1	
8 am	2	3	3	1	2	5	
9 am		2	7	2	3	8	
10 am	6	2	7	3	10	1	
11 am	3	3	1	7	8	3	1
12 pm	1	4	4	15	20	3	1
1 pm	5	2	5	14	9	9	
2 pm	11	6	10	8	13	2	
3 pm	6	2	8	13	4	7	
4 pm	1	5	9	10	16	5	
5 pm	4	3	14	2	3	4	
6 pm	3	6	6	12	3	4	
7 pm	1		4	4	8	8	
8 pm	5	1		1		1	
9 pm			3			1	
10 pm			1			3	
11 pm							

Daily

Prorated Helicopter Takeoffs	21	21	21	16	16	21	21
Total Aircraft Takeoffs	70	61	104	108	115	86	23

Weekly

Prorated Helicopter Takeoffs	137
Fixed Wing Takeoffs	430
 Total Aircraft Takeoffs	 567

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N14 Flying W
 N14 Spring II 2011

For: 21 May 2011 - 27 May 2011

Day->	Sat 21-May	Sun 22-May	Mon 23-May	Tues 24-May	Wed 25-May	Thurs 26-May	Fri 27-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am						2	
6 am							
7 am							1
8 am	3			4	1	1	6
9 am	2	1	1		2	2	4
10 am	13	1	1	4	10	5	
11 am	14	4	1	1	5	6	4
12 pm	14	9	11	4	4	8	3
1 pm	15	6	6	1	2	5	1
2 pm	14	5	3	9	10	6	7
3 pm	10	7		4	2	6	13
4 pm	11	5		2	9	3	4
5 pm	7	7	2	2	4	4	12
6 pm		1	2		7	4	8
7 pm	2			2	7	6	5
8 pm	1			1	3		4
9 pm	2				1		2
10 pm	2						
11 pm				1			

Daily

Prorated Helicopter Takeoffs	16	16	21	21	21	21	21
Total Aircraft Takeoffs	126	62	48	56	88	79	95

Weekly

Prorated Helicopter Takeoffs	137
Fixed Wing Takeoffs	417
Total Aircraft Takeoffs	554

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N14 Flying W
 N14 Summer I 2011

For: 20 July 2011 - 26 July 2011

Day->	Wed 20-Jul	Thurs 21-Jul	Fri 22-Jul	Sat 23-Jul	Sun 24-Jul	Mon 25-Jul	Tues 26-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am				3		1	1
7 am			1	1		5	3
8 am			1	3	6	2	1
9 am	1	2	2	9	3	2	1
10 am	8	5	4	2	5	11	2
11 am	10	5	7	1	7	1	12
12 pm	11	8	7	1	10	3	4
1 pm	1	1	1	1	1	2	10
2 pm	1	3	5	1	10	7	5
3 pm	7	3	2	12	14	15	10
4 pm	6	1	5	2	13	8	3
5 pm	2	1			9	11	2
6 pm	2	3	6	1	1	7	8
7 pm	5	1	7	1	4	6	5
8 pm	3	1			1	3	8
9 pm	1			6		2	
10 pm						1	
11 pm							
Daily							
Prorated Helicopter Takeoffs	21	21	21	16	16	21	21
Total Aircraft Takeoffs	79	55	69	60	100	108	96
Weekly							
Prorated Helicopter Takeoffs	137						
Fixed Wing Takeoffs	430						
Total Aircraft Takeoffs	567						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N14 Flying W
 N14 Summer II 2011

For: 13 September 2011 - 19 September 2011

Day->	Tues 13-Sep	Wed 14-Sep	Thurs 15-Sep	Fri 16-Sep	Sat 17-Sep	Sun 18-Sep	Mon 19-Sep
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1		1	2	4	3	
8 am	2	3	1	1	3		1
9 am	6	6	10	4	5	7	2
10 am	5	6	2	5	8	9	2
11 am	12	10	12	5	11	8	7
12 pm	3	4	3	4	10	3	4
1 pm	4	7	10	8	9	9	10
2 pm	1	1	2	4	2	6	2
3 pm	2	3	4	3	5	8	1
4 pm	1	4		3	4	1	3
5 pm	5	15	1	2	4	8	8
6 pm	4	10	11	4	12	4	17
7 pm	7	1	8	2	5	1	6
8 pm		2	3	2	4	1	2
9 pm			2	1	1		1
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	21	21	21	21	16	16	21
Total Aircraft Takeoffs	74	93	91	71	103	84	87

Weekly

Prorated Helicopter Takeoffs	137
Fixed Wing Takeoffs	466
Total Aircraft Takeoffs	603

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N14 Flying W
 N14 Fall I 2011

For: 31 October 2011 - 6 November 2011

Day->	Mon 31-Oct	Tues 1-Nov	Wed 2-Nov	Thurs 3-Nov	Fri 4-Nov	Sat 5-Nov	Sun 6-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am			1				
7 am	4	1			1		
8 am	3	4		7	4	1	
9 am	1	5	2	4	8	5	1
10 am	4	4	6	13	1	12	11
11 am	6	10	6	1	1	6	17
12 pm	1	2	1	5	2	5	6
1 pm	2	3	2	3	1	11	20
2 pm	3	4	9	9	1	9	11
3 pm	5	10	10	2	15	8	9
4 pm	10	5	3	1	9	8	7
5 pm	8	6	24	2	14	6	8
6 pm	4	12	5	8	1	7	4
7 pm		1	1	4	6	2	1
8 pm				1			1
9 pm							
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	21	21	21	21	21	16	16
Total Aircraft Takeoffs	72	88	91	81	85	96	112
Weekly							
Prorated Helicopter Takeoffs	137						
Fixed Wing Takeoffs	488						
Total Aircraft Takeoffs	625						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N14 Flying W
 N14 Fall II 2011

For: 12 December 2011 - 18 December 2011

Day->	Mon 12-Dec	Tues 13-Dec	Wed 14-Dec	Thurs 15-Dec	Fri 16-Dec	Sat 17-Dec	Sun 18-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am					1		
8 am	1		2	6		1	1
9 am	1	1	3	5		2	6
10 am	2	6			3	5	3
11 am	1	1	3	3	1	6	5
12 pm	18	3	2	6	2	13	1
1 pm	15	5	5	1	1	6	6
2 pm	8	4	8		8	9	16
3 pm	2	1	8	1	9	4	11
4 pm		5	3	1	3	13	10
5 pm	1	4	4	3	7	9	3
6 pm	1	1	1		1	2	
7 pm	1	3					
8 pm			1				
9 pm		1					
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	21	21	21	21	21	16	16
Total Aircraft Takeoffs	72	56	61	47	57	86	78

Weekly

Prorated Helicopter Takeoffs	137
Fixed Wing Takeoffs	320
Total Aircraft Takeoffs	457

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N14 Flying W
 N14 Winter I 2012

For: 19 January 2012 - 25 January 2012

Day->	Thurs 19-Jan	Fri 20-Jan	Sat 21-Jan	Sun 22-Jan	Mon 23-Jan	Tues 24-Jan	Wed 25-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							1
7 am	1				1		
8 am	1	1	7		4	1	1
9 am	4	1	9	1	5	4	9
10 am	16		8	4	5	6	3
11 am	11		3	9	1	5	2
12 pm	8	4	1	9	3	3	1
1 pm	6	8	1	8	7	6	6
2 pm	8	3	9	13	2	7	14
3 pm	3	6	2	7		5	5
4 pm	4	3	7	4	4	6	14
5 pm	1	3	2	8	3	4	5
6 pm				3			1
7 pm						1	
8 pm		1					
9 pm							
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	21	21	16	16	21	21	21
Total Aircraft Takeoffs	84	51	65	82	56	69	83
Weekly							
Prorated Helicopter Takeoffs	137						
Fixed Wing Takeoffs	353						
Total Aircraft Takeoffs	490						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N14 Flying W
 N14 Winter II 2012

For: 6 March 2012 - 12 March 2012

Day->	Tues 6-Mar	Wed 7-Mar	Thurs 8-Mar	Fri 9-Mar	Sat 10-Mar	Sun 11-Mar	Mon 12-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							1
6 am			1				1
7 am							
8 am		1	1	1		2	
9 am				3	2	9	3
10 am	1	9	1	6	2	14	1
11 am	4	4		8	2	5	1
12 pm	11	6	2	1	8	5	3
1 pm	9	4	2	1	10	11	12
2 pm	2	9		5	9	6	3
3 pm	3	5	2	3	6	5	5
4 pm	4	8	1	1	4	2	4
5 pm	9	1	1	1	5	9	3
6 pm	2	5	1	8	7	1	9
7 pm					2		
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	21	21	21	21	16	16	21
Total Aircraft Takeoffs	66	73	33	59	73	85	67

Weekly

Prorated Helicopter Takeoffs	137
Fixed Wing Takeoffs	319
Total Aircraft Takeoffs	456

Source: DVRPC

2011/12 Aircraft Operations Counting Program

New Garden Airport (N57)

Chester County

Toughkenamon, PA 19374

Runway Orientation: 06/24

Runway Length: 3,695 ft.

Table 14: New Garden Airport (N57) Based Aircraft

Based Aircraft Fleet Mix	
Single Engine	129
Multi Engine	2
Jet	0
Helicopter	1
Glider	7
Total	139

Source: New Garden Airport

New Garden Airport had close to 6,000 additional flight operations this counting cycle, which is a 28 percent overall increase in flight operations. This is attributed to the opening of a new flight school, New Garden Flight Connections, and the completion of their new extended taxiway. The new flight school has added three aircraft to the based aircraft count and has had success in attracting new student startups. The flight training operations are major contributors to this increase, along with seven additional newly based aircraft. The completion of the extended taxiway project has also brought more transient flight operations to New Garden.

Helicopter flight operations declined 75 percent this counting cycle, which is attributed to the loss of based helicopters and a shift in the business model of the airport since a change in airport ownership.

New Garden has a new runway reconstruction project planned with a runway expansion and, upon its completion New Garden Airport will be able to offer more flight services to the planned Technology Park and the New Garden community.

Figure 14: New Garden Airport (N57) Aerial Photo



Source: DVRPC

2011/12 Aircraft Operations Counting Program

DVRPC Aircraft Counting Program

Activity Summary

Airport: N57 New Garden Airport

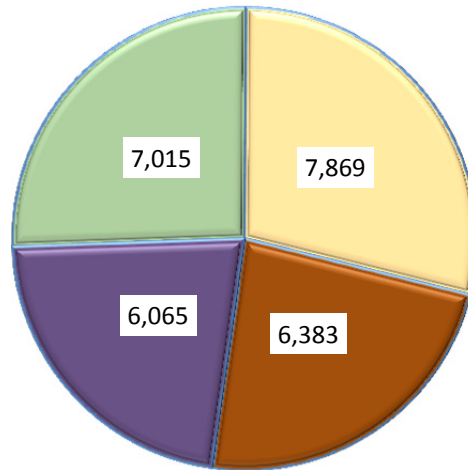
County: Chester County, PA

Table 15: New Garden Airport (N57) Annual Summary

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2011	75.43	7,015	26%
Summer	2011	83.71	7,869	29%
Fall	2011	71.71	6,383	23%
Winter	2012	68.14	6,065	22%
Annual Operations:		2011/12	27,332	
Margin of Error: 17 at 95% confidence				
Source: DVRPC				

Figure 15: New Garden Airport (N57) Seasonal Summary

Source: DVRPC



- Spring
- Summer
- Fall
- Winter

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N57 New Garden Airport
 N57 Spring I 2011

For: 25 April 2011 - 1 May 2011

Day->	Mon 25-Apr	Tue 26-Apr	Wed 27-Apr	Thurs 28-Apr	Fri 29-Apr	Sat 30-Apr	Sun 1-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am					1		
7 am						1	
8 am					1		3
9 am		1		1	1	7	3
10 am	3					8	6
11 am	2	4	1	1	8	5	1
12 pm	5				5	6	16
1 pm	1				2	9	7
2 pm	7	1				11	12
3 pm	5					8	2
4 pm	2	1			7	9	10
5 pm	2	1			10	11	15
6 pm	9						7
7 pm	8	6				3	3
8 pm	3	1				1	4
9 pm						1	
10 pm							
11 pm	1						
Daily							
Prorated Helicopter Takeoffs	1	1	1			1	1
Total Aircraft Takeoffs	49	16	2	2	35	81	90
Weekly							
Prorated Helicopter Takeoffs	5						
Fixed Wing Takeoffs	270						
Total Aircraft Takeoffs	275						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N57 New Garden Airport
 N57 Spring II 2011

For: 4 June 2011 - 10 June 2011

Day->	Sat 4-Jun	Sun 5-Jun	Mon 6-Jun	Tues 7-Jun	Wed 8-Jun	Thurs 9-Jun	Fri 10-Jun
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1		1				
7 am	2					4	2
8 am	6	5	1	1		6	9
9 am	3	7		1		6	2
10 am	10	13	2			1	1
11 am	5	9	2		1		4
12 pm	8	7					
1 pm	2	5			1		1
2 pm	6	4	2	1	1		6
3 pm	4	6	2	4	1	1	1
4 pm		1		1			2
5 pm		3				1	5
6 pm	2	1	2	1	1		19
7 pm	1	11	6	7	1	1	
8 pm			6	2	1		
9 pm			1	2			
10 pm							
11 pm					2		

Daily

Prorated Helicopter Takeoffs			1	1	1	1	1
Total Aircraft Takeoffs	50	72	26	21	10	21	53

Weekly

Prorated Helicopter Takeoffs	5
Fixed Wing Takeoffs	248
Total Aircraft Takeoffs	253

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N57 New Garden Airport
 N57 Summer 1 2011

For: 22 July 2011 - 28 July 2011

Day->	Fri 22-Jul	Sat 23-Jul	Sun 24-Jul	Mon 25-Jul	Tues 26-Jul	Wed 27-Jul	Thurs 28-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am		2	3				
8 am	1	2	1	1		1	
9 am	2		8	3	1	2	
10 am	3		6	4	1	1	1
11 am	10		6	6	2		2
12 pm	6		5	4	2		
1 pm			12	5	4		
2 pm		4	7	2	3		
3 pm		13	6	3	2	1	3
4 pm		8	9	5	2	1	6
5 pm		7	11	1	2	2	6
6 pm	4	2	7		4	5	4
7 pm	3		4	2	3		1
8 pm	5		4	1	1	2	
9 pm	1		1			1	
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	1			1	1	1	1
Total Aircraft Takeoffs	36	38	90	38	28	17	24

Weekly

Prorated Helicopter Takeoffs	5
Fixed Wing Takeoffs	266
Total Aircraft Takeoffs	271

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N57 New Garden Airport
 N57 Summer II 2011

For: 13 September 2011 - 19 September 2011

Day->	Tues 13-Sep	Wed 14-Sep	Thurs 15-Sep	Fri 16-Sep	Sat 17-Sep	Sun 18-Sep	Mon 19-Sep
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am	1						
7 am	1	2		1	5	4	
8 am	1		2	2	3	9	
9 am		2	1	2		8	
10 am	2	1		5	4	4	2
11 am	3	4	1		7	5	3
12 pm	6	3	3	8	6	14	4
1 pm	4	2	7	6	8	8	4
2 pm	1		5		12	11	5
3 pm	1	2		3	6	8	3
4 pm	3	4	4	2	13		4
5 pm	1	1	1	2	7		1
6 pm		1		4	9	2	
7 pm	2		2	4	6	7	1
8 pm			2	1		1	
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	1	1	1	1			1
Total Aircraft Takeoffs	27	23	29	41	86	81	28

Weekly

Prorated Helicopter Takeoffs	5
Fixed Wing Takeoffs	310
Total Aircraft Takeoffs	315

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N57 New Garden Airport
 N57 Fall I 2011

For: 5 October 2011 - 11 October 2011

Day->	Wed 5-Oct	Thurs 6-Oct	Fri 7-Oct	Sat 8-Oct	Sun 9-Oct	Mon 10-Oct	Tues 11-Oct
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am			1				
7 am				7		1	1
8 am		1	1	7	1	1	
9 am	2	7		6	3	1	4
10 am	3	2	1	8	1		
11 am			4	1	3	2	
12 pm		6		14	6	1	
1 pm			1	6	1		2
2 pm		2	5	6	6		
3 pm			5	6	8	1	
4 pm	2	3	3	9	8	3	8
5 pm	3	7	4	11	2	10	4
6 pm	6	5	8	4	2	8	
7 pm			2	6		1	
8 pm	1	1	2	4	2		
9 pm							
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	1	1			1	1	1
Total Aircraft Takeoffs	18	35	37	95	44	30	20
Weekly							
Prorated Helicopter Takeoffs	5						
Fixed Wing Takeoffs	274						
Total Aircraft Takeoffs	279						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N57 New Garden Airport
 N57 Fall II 2011

For: 1 December 2011 - 7 December 2011

Day->	Thurs 1-Dec	Fri 2-Dec	Sat 3-Dec	Sun 4-Dec	Mon 5-Dec	Tues 6-Dec	Wed 7-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1	1	1		1		1
8 am		11	4	3			
9 am	3	2	6	4	1		
10 am	1	2	3	5			1
11 am	2	1	11	2			2
12 pm	4	1	7	5	1		5
1 pm	3	2	5	3	3		3
2 pm	5	1	8	10	3		1
3 pm	1	6	13	14	3		3
4 pm	4	2	5	10	2		2
5 pm			1	2			1
6 pm				2			1
7 pm			1	1			
8 pm	3				2		
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	1	1			1	1	1
Total Aircraft Takeoffs	28	30	65	61	17	1	21

Weekly

Prorated Helicopter Takeoffs	5
Fixed Wing Takeoffs	218
Total Aircraft Takeoffs	223

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N57 New Garden Airport
 N57 Winter I 2012

For: 5 January 2012 - 11 January 2012

Day->	Thurs 5-Jan	Fri 6-Jan	Sat 7-Jan	Sun 8-Jan	Mon 9-Jan	Tues 10-Jan	Wed 11-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	5		5	3	6		6
8 am	11	1	12	5	9		13
9 am		5	8	5	8		1
10 am	2	18	5	2	5		1
11 am	1	2	6	5	2	1	1
12 pm	1	4	9	6	2		
1 pm	2	3	10	1			6
2 pm	7	8	7	4		3	2
3 pm	2	7	5	8	5		2
4 pm	2	4	10	4	9		2
5 pm	2	2	2	3	3		
6 pm		1					
7 pm						1	
8 pm					2	1	
9 pm							
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	1	1			1	1	1
Total Aircraft Takeoffs	36	56	79	46	52	7	35
Weekly							
Prorated Helicopter Takeoffs	5						
Fixed Wing Takeoffs	306						
Total Aircraft Takeoffs	311						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N57 New Garden Airport
 N57 Winter II 2012

For: 18 February 2012 - 24 February 2012

Day->	Sat 18-Feb	Sun 19-Feb	Mon 20-Feb	Tues 21-Feb	Wed 22-Feb	Thurs 23-Feb	Fri 24-Feb
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	2			1	1	9	
8 am	6	1	1	5		2	1
9 am	9	1	1		1	2	
10 am	3	6			2	4	
11 am	8	3			3		
12 pm	9	1		1	1		
1 pm	7	2	1		1		
2 pm	4		6	1	1		
3 pm	5	1			6	1	
4 pm	5	11	3		5	1	
5 pm	5	2		1	1	3	
6 pm							
7 pm		1	2		1		
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs			1	1	1	1	1
Total Aircraft Takeoffs	63	29	15	10	24	23	2

Weekly

Prorated Helicopter Takeoffs	5
Fixed Wing Takeoffs	161
Total Aircraft Takeoffs	166

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Red Lion Airport (N73)

Burlington County

Vincentown, NJ 08088

Runway Orientation: 05/23

Runway Length: 2,880 ft.

Table 16: Red Lion Airport (N73) Based Aircraft

Based Aircraft Fleet Mix	
Single Engine	32
Multi Engine	5
Jet	0
Helicopter	0
Glider	0
Total	37

Source: Red Lion Airport

Red Lion airport is a privately owned airport located within an approximate two-mile radius of both Flying W and South Jersey Regional. The loss of 15 percent in overall flight operations at Red Lion is mostly due to the current economic business cycle and the recreational nature of this airport. Red Lion continues to be an airport of choice for local pilots who want a personal relationship with their airport owner and fellow tenants.

2011/12 Aircraft Operations Counting Program

Figure 16: Red Lion Airport (N73) Aerial Photo



Source: DVRPC

2011/12 Aircraft Operations Counting Program

DVRPC Aircraft Counting Program

Activity Summary

Airport: N73 Red Lion Airport

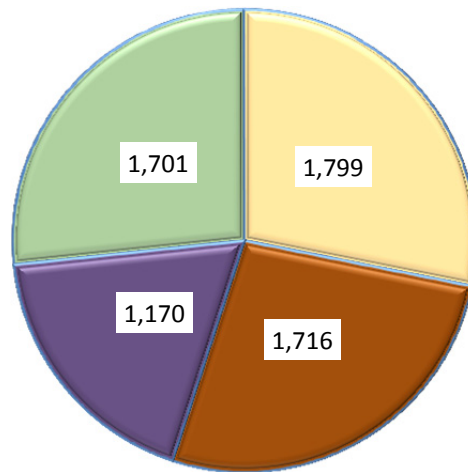
County: Burlington County, NJ

Table 17: Red Lion Airport (N73) Annual Summary

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Spring	2011	18.29	1,701	27%
Summer	2011	19.14	1,799	28%
Fall	2011	19.29	1,716	27%
Winter	2012	13.14	1,170	18%
Annual Operations:		2011/12	6,386	
Margin of Error: 14 at 95% confidence				
Source: DVRPC				

Figure 17: Red Lion Airport (N73) Seasonal Summary

Source: DVRPC



Spring
 Summer
 Fall
 Winter

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N73 Red Lion Airport
 N73 Spring I 2011

For:07 April 2011 - 13 April 2011

Day->	Thurs 7-Apr	Fri 8-Apr	Sat 9-Apr	Sun 10-Apr	Mon 11-Apr	Tues 12-Apr	Wed 13-Apr
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am	1						
8 am					1		
9 am		1	2	1			
10 am	1	1		1		1	
11 am			4	5	1	1	
12 pm			4	1			1
1 pm			2	2		1	
2 pm			1	2	1		1
3 pm			4	1	1		
4 pm				1			
5 pm			1	1			
6 pm	3	1		1			
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	2	2	0	0	2	2	2
Total Aircraft Takeoffs	7	5	18	16	6	5	4

Weekly

Prorated Helicopter Takeoffs	10	
Fixed Wing Takeoffs	51	
 Total Aircraft Takeoffs	61	40

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N73 Red Lion Airport
 N73 Spring II 2011

For: 21 May 2011 - 27 May 2011

Day->	Sat 21-May	Sun 22-May	Mon 23-May	Tues 24-May	Wed 25-May	Thurs 26-May	Fri 27-May
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am					2		
7 am					2		2
8 am	1				4	1	
9 am	2		1		1		
10 am	1		1				1
11 am	2		7	1	1		
12 pm	1				4		1
1 pm							3
2 pm							
3 pm	1						
4 pm	2					1	
5 pm		3			6		
6 pm				1	1		
7 pm					1	2	
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	0	0	2	2	2	2	2
Total Aircraft Takeoffs	10	3	11	4	24	6	9

Weekly

Prorated Helicopter Takeoffs	10
Fixed Wing Takeoffs	57
Total Aircraft Takeoffs	67

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N73 Red Lion Airport
 N73 Summer I 2011

For: 19 July 2011 - 25 August 2011

Day->	Tues 19-Jul	Wed 20-Jul	Thurs 21-Jul	Fri 22-Jul	Sat 23-Jul	Sun 24-Jul	Mon 25-Jul
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am					1		
7 am						1	
8 am							
9 am					2	1	
10 am	1				1	3	
11 am		1	1	2	1	4	1
12 pm	1			2		4	
1 pm	1					1	1
2 pm	1	1	1				1
3 pm		1	1				
4 pm		1	1	3	3		
5 pm			1				1
6 pm					1		
7 pm	2	2		2	3		
8 pm		1		1			
9 pm							
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	2	2	2	2	0	0	2
Total Aircraft Takeoffs	8	9	7	12	12	14	6
Weekly							
Prorated Helicopter Takeoffs	10						
Fixed Wing Takeoffs	58						
Total Aircraft Takeoffs	68						

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N73 Red Lion Airport
 N73 Summer II 2011

For: 5 September 2011 - 11 September 2011

Day->	Mon 5-Sep	Tues 6-Sep	Wed 7-Sep	Thurs 8-Sep	Fri 9-Sep	Sat 10-Sep	Sun 11-Sep
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am		1					
7 am			1				
8 am							
9 am		2	1				
10 am		1	2		1		
11 am	2	1	3	1		1	1
12 pm	2		2		1		
1 pm			1	1	1		
2 pm				1	1	1	2
3 pm						1	2
4 pm	3	3				1	1
5 pm				1			1
6 pm		1					
7 pm	2	3			2	2	
8 pm	1					1	
9 pm							
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	2	0	0	2	2	2	2
Total Aircraft Takeoffs	12	12	10	6	8	9	9

Weekly

Prorated Helicopter Takeoffs	10
Fixed Wing Takeoffs	56
Total Aircraft Takeoffs	66

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N73 Red Lion Airport
 N73 Fall I 2011

For: 31 October 2011 - 6 November 2011

Day->	Mon 31-Oct	Tues 1-Nov	Wed 2-Nov	Thurs 3-Nov	Fri 4-Nov	Sat 5-Nov	Sun 6-Nov
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am			1				
9 am		1	1				
10 am	3	1			3	1	
11 am	1	2		1	2		1
12 pm	3	2		2			1
1 pm	1	2	1				1
2 pm	3	1		2		1	
3 pm	1	2	2			1	2
4 pm	1				1		
5 pm		1	1				1
6 pm	1		1	2		1	3
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	0	0	2	2	2	2	2
Total Aircraft Takeoffs	14	12	9	9	8	6	11

Weekly

Prorated Helicopter Takeoffs	10
Fixed Wing Takeoffs	59
 Total Aircraft Takeoffs	 69

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N73 Red Lion Airport
 N73 Fall II 2011

For: 12 December 2011 - 18 December 2011

Day->	Mon 12-Dec	Tues 13-Dec	Wed 14-Dec	Thurs 15-Dec	Fri 16-Dec	Sat 17-Dec	Sun 18-Dec
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am							
9 am							1
10 am	1					2	2
11 am	2	1	1	4	1	1	1
12 pm	2		2	2		1	2
1 pm	4		3			1	1
2 pm	5	1	2	1		1	1
3 pm	3		4				
4 pm	3						
5 pm							
6 pm							
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							
Daily							
Prorated Helicopter Takeoffs	2	2	2	2	2	0	0
Total Aircraft Takeoffs	22	4	14	9	3	6	8

Weekly	
Prorated Helicopter Takeoffs	10
Fixed Wing Takeoffs	56
Total Aircraft Takeoffs	66

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N73 Red Lion Airport
 N73 Winter I 2012

For: 20 January 2012 - 26 January 2012

Day->	Fri 20-Jan	Sat 21-Jan	Sun 22-Jan	Mon 23-Jan	Tues 24-Jan	Wed 25-Jan	Thurs 26-Jan
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am							
9 am							
10 am							1
11 am					1		
12 pm	1	1	2			2	
1 pm	2	2			1	1	
2 pm			1		2	2	
3 pm		1			2		
4 pm							
5 pm							
6 pm							
7 pm							
8 pm							
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	2	0	0	2	2	2	2
Total Aircraft Takeoffs	5	4	3	2	8	7	3

Weekly

Prorated Helicopter Takeoffs	10
Fixed Wing Takeoffs	22
 Total Aircraft Takeoffs	 32

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Weekly Activity Report
 N73 Red Lion Airport
 N73 Winter II 2012

For: 7 March 2012 - 13 March 2012

Day->	Wed 7-Mar	Thurs 8-Mar	Fri 9-Mar	Sat 10-Mar	Sun 11-Mar	Mon 12-Mar	Tues 13-Mar
12 am							
1 am							
2 am							
3 am							
4 am							
5 am							
6 am							
7 am							
8 am							
9 am					2	1	
10 am				2	1		
11 am	1				1		
12 pm	3	1				1	
1 pm				1			
2 pm				1	3	3	
3 pm	2			3	1	7	
4 pm				5		1	2
5 pm				3		1	
6 pm							
7 pm	1				2		
8 pm				1			
9 pm							
10 pm							
11 pm							

Daily

Prorated Helicopter Takeoffs	2	2	2	0	0	2	2
Total Aircraft Takeoffs	9	3	2	16	10	16	4

Weekly

Prorated Helicopter Takeoffs	10
Fixed Wing Takeoffs	50
Total Aircraft Takeoffs	60

Source: DVRPC

2011/12 Aircraft Operations Counting Program

Publication Title:	2011/12 Aircraft Operations Counting Program: Operations for Seven Non-Towered Airports
Publication Number:	12028
Date Published:	May 2013
Geographic Area Covered:	Cecil County in Maryland; Burlington, Camden, Gloucester counties in New Jersey; and Chester County in Pennsylvania.
Key Words:	Aircraft operations, Helicopter operations, airports, fixed wing airplane, rotorcraft, takeoffs, landings, count, activity, estimate, seasonal, annual, acoustic counter, based aircraft, runway length.
Abstract:	This technical report compiles aircraft operations estimates for seven non towered Airports in the Delaware Valley Region. Eight acoustic counts were taken at each airport, starting in April 2011 and ending in March 2012; 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.

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