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Community Airport Impact Review (Community AIR is a not-for-profit community organization that is focused on stopping the expansion of the polluting Toronto Island Airport and restoring the 200 acres of public waterfront to its zoned use for park, recreation and culture.

Improving Air Ambulance Response Times in Southern Ontario for Critical Care Transport

**An analysis of how locating Medevac Helicopters at
the island airport impacts emergency response
times**

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Executive Summary

The recent creation of the Ontario Air Ambulance Services Corporation (OAASC) provides the current provincial government with an opportunity to correct a significant structural problem in the delivery of air ambulance services in southern Ontario. The change would be in line with the OAASC's mandate to streamline the Ontario air ambulance system for more effective use of resources.

In the early 1990s a previous provincial government made a significant mistake by moving the base of operations for the Ministry's rotary wing air ambulance (Medevac Helicopter) from Buttonville Airport to the Toronto Island Airport. Critics of the move argued at the time that it would introduce unacceptable delays in response time in reaching critically ill and trauma patients from a majority of pickup points in southern Ontario.

Using actual flight data from 2001 to 2003 obtained from the Ontario Ministry of Health, the analysis in this report concludes that the critics were correct: operating the Ministry funded Medevac helicopters from Toronto Island instead of from Buttonville results in deteriorated response times for a majority of patients during the critical initial minutes.

Several alternate sites are examined as potential bases for the Medevac helicopters. The analysis reveals that each of these alternative sites would also result in significantly reduced travel mileage and durations, and improved helicopter ambulance response times, relative to the Island Airport.

This report is a compelling case for relocating the Toronto Air Ambulance Service to a more strategic and central location that will improve response times. The recent creation of the OAASC provides the right opportunity to make this necessary change.



Scope

This report deals exclusively with Ministry funded Critical Care Transport rotary wing air ambulances, transporting emergency code 3 and code 4 patients. It does not cover fixed wing air ambulance operators with standing agreements with the Ministry, nor with lower priority code 1 or code 2 flights.

Moving the Toronto Air Ambulance Service from Buttonville to Toronto Island Airport in the early 1990s significantly degraded emergency response times for a majority of critically ill and trauma patients within its catchment area.

Creation of the new Ontario Air Ambulance Services Corporation provides a good opportunity to correct that mistake.

At the time of the move from Buttonville to Toronto Island, paramedics flying on the helicopters pointed out that a majority of emergency flights are outside the GTA and that the relocation would add several minutes to response times.

Background

The Ontario Air Ambulance system was established to transport critically ill patients to hospital, as well as specially trained neonatal teams from facilities such as the Hospital for Sick Children to outlying hospitals. The trauma unit at Sunnybrook Health Science Centre has been the air ambulance base hospital since they began flying in 1977. There are five centers that make up the Ontario Air Ambulance system: Sudbury, Toronto, Thunder Bay, Timmins and Sioux Lookout. The Toronto Air Ambulance Service is responsible for the South-Central Ontario Region, and the Base Hospital at Sunnybrook provides medical direction to personnel at the accident scene and training to flight paramedics.

Canadian Helicopters Corporation owns the rotary wing air ambulances and operates them under contract with the Ontario Ministry of Health Emergency Health Services Branch. There are a total of 8 Medevac helicopters, all are Sikorsky S-76A. From 1977 to the early 90's, the base of operations for Medevac helicopters was located at Buttonville airport.

Relocation Questioned

Around 1992, the base of operations for Medevac helicopters moved from Buttonville to the Toronto Island Airport. The relocation was apparently justified by lower rents offered by the struggling Island Airport. The government of the day anticipated saving \$155,000 annually in rent, but at the same time spent about \$1.5 million dollars to build a 16,150-square-foot hangar on Toronto Island to house the helicopters and accommodate medical staff, pilots and patients awaiting transfer to the mainland. According to media coverage from the period, Michael Sifton, the owner of Buttonville airport claimed that the move had nothing to do with the proposed Pickering airport threatening the closure of the Buttonville airport.

Prior to the move, health professionals were troubled about the relocation from Buttonville to Toronto Island, stating that the majority of patients who were flown to Toronto hospitals by the helicopter unit originated north of Metro. According to a report by paramedics who flew on the Medevac helicopters, the relocation could add as much as seven minutes of flying time to the team's response to an emergency call north of Metro, and that 78 per cent of the time, flights were to hospitals or accident sites that were closer to Buttonville airport than to the Island Airport. Dr. Chris Rubes who was medical director for the air ambulance program during the relocation planning stages stated that there would be cases where the

time delays introduced by the move might be critical. His predecessor, Dr. Robert McMurtry, who helped establish the emergency care program and who headed the trauma unit at Sunnybrook Health Science Centre since air ambulances began flying in 1977 claimed that the relocation directly increased the risk to the patient:

"I did flights with those guys in which there's no question that people wouldn't have stood another 10 minutes and survived it. Those sorts of calls make up a minority - for most you'll get away with it. The question is, 'Why would you want to roll the dice that way?'" [Toronto Star, December 17, 1991, page A6].

Questions about the move were also expressed at Queens Park, and the following Members Statement from Donald Cousens (MPP, Markham), delivered Tuesday December 17, 1991, summarizes his concerns:

The relocation of the air ambulance service from Buttonville airport to the Toronto Islands will put lives at risk and cost the taxpayers money for an unnecessary move. The Ministry of Health believes the move will result in savings, a monetary saving of \$155,000 and time savings because patients will be closer to hospitals. The ministry's arguments cannot be based on facts.

Dr. Robert McMurtry, former medical director for the air ambulance program:
"Why would you want to roll the dice that way?" Dec., 1991

Fact 1: The relocation will offer no patient benefits. Over 75% of all helicopter calls originate at locations closer to Buttonville airport than at the Toronto Islands. This makes sense because of the rural and outlying areas that are serviced by air ambulance such as Peterborough and Bracebridge. Relocation of the air ambulance service to the Toronto Islands increases the response time by about 10 minutes. Ten minutes could mean a lifetime.

Fact 2: There are no real cost savings. The proposed saving of \$155,000 is irrelevant since the new hangar at the Toronto Islands will cost over \$1.5 million to construct.

Finally, the Minister of Transportation is negotiating to keep Buttonville airport open. On the other hand, the Ministry of Health is taking away one of the most important services at the airport. It appears these negotiations are being conducted in bad faith. Moving the air ambulance service does a disservice to everyone, patients in need and taxpayers who will bear the cost of an unnecessary relocation.

Source: www.ontla.on.ca/hansard/house_debates/35_parl/session1/1a100a.htm

Methodology

In order to test the claims made in 1991 that moving the base of

operations from Buttonville to the island would increase response times, flight statistics were obtained for the period 2001 to 2003 from Robert Nishman, Manager of Air Ambulance Operations, Ontario Ministry of Health, Emergency Health Services Branch. The statistics list code 3 (urgent) and code 4 (very urgent or life threatening) emergency flights funded by the Ministry (see Appendix F for explanation of the codes). Since the focus of this study is on response times involving critically ill patients or accident trauma victims, all training flights and “cancelled flights” from the island airport were excluded. Also excluded were ninety-one “on-scene” sites for which no specific coordinates were available.

An analysis of total miles flown by the Toronto Air Ambulance Service over the 2001 to 2003 period shows that six alternative sites within the GTA would offer better air ambulance response times than the Toronto Island Airport.

For each location listed in the MOH dataset, the exact latitude and longitude coordinates were acquired. The distance in nautical miles was calculated between each set of coordinates and multiplied by the total number of one-way flights over the three years, which is the “Total Miles Flown”. This is an objective measure of the “effective use of resources” since distance flown translates into “travel time” which directly affects “response time.” The Total Miles Flown calculations do not account for restricted air space or other criteria affecting flight paths; for instance, Medevac helicopters would not overfly Pearson airport, and any flights from the Island Airport which circumvent Pearson would equal greater distances than those calculated here. See Appendices E and G for more information on the method of calculating distances.

For comparison, several alternate airport sites north of Toronto were selected. Six of the alternate airport sites are in the GTA, since proximity to Toronto hospitals is required. The seventh location, Lindsay air park, was chosen solely on the basis that its proximity to Peterborough reduced Total Miles Flown significantly.

The following summarizes the Toronto Island Airport site, and identifies distinguishing characteristics across six alternate sites in the GTA:

Barrie/Orillia LSRA
(Lake Simcoe Regional Airport)

- located 50 nautical miles from Pearson
- developed as a result of an Airport Master Plan with funding from the Province of Ontario
- Barrie's Royal Victoria Hospital is 15 minutes away, and Orillia area receives many emergency Medevac flights already:
 - Orillia (Mara) Airport 3 flights
 - Orillia/Barrie O. P. P. Heliport 32 flights
 - Orillia Regional Centre Heliport 33 flights
 - Oro-Barrie-Orillia 9 flights
 - Barrie (Royal Vic.) Heliport 157 flights

- Holland Landing
 - located 3 miles north of Newmarket
 - well suited for fixed wing Medevac transfers as well as helicopter transfers.
 - large indoor heated hangar of approximately 30,000 square feet.

- Pickering
(Proposed New Airport)
 - located 20 miles from the Island Airport
 - a study released in November 2004 by the GTAA estimates the final decision on whether to build will not occur until 2009
 - was included in this study to test its suitability as an eventual base of operations for Medevac. The coordinates for this study are close to the center of the proposed Pickering airport lands.

- Buttonville
 - original base of operations for Medevac helicopters
 - owned jointly by GTAA (40%) and a private partner (60%)
 - already hosts significant air ambulance operations
 - one of Canada's busiest airports

- Oshawa
 - located 30 miles east of Toronto
 - Recently constructed a new passenger terminal

- Pearson
 - included in this study to test whether any airport north of the 401 offers a more efficient use of resources than the Toronto Island Airport.

- Toronto Island Airport
 - confirmed the poorest geographic location of any of the sites chosen
 - future threatened by continued financial losses (see Appendix C)
 - Federal government recently passed legislation prohibiting a bridge to the island airport
 - park land that the island airport currently occupies has been identified as a potential site for a 2015 World's Fair

Findings

Based on the 2001 to 2003 statistics, maintaining the Medevac base of operations at the Toronto Island Airport results in the greatest Total Miles Flown, as illustrated in Figure 1 below.

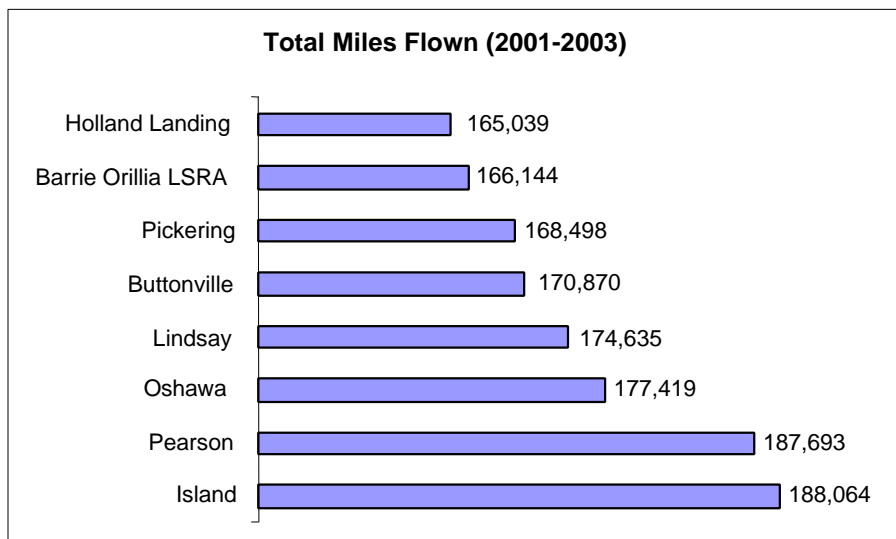


Figure 1

Holland Landing and Barrie Orillia are the 2 best locations, followed closely by Pickering and Buttonville. Of the 3144 emergency Medevac flights flown between 2001 and 2003, 2287 of them (72%) were closer to Buttonville than to the island airport.

The difference between the Total Miles Flown from the Island Airport and from Barrie Orillia-LSRA or Holland Landing is between 22,000 and 25,000 nautical miles. To put this into perspective, this is equal to flying around the world.

In order to compare flights north and south of the city, a line of demarcation was established just north of Highway 401 at Yonge Street, a point known municipally as **Mel Lastman Square**. This point is closer to Buttonville than to the island, and Figure 2 clearly shows that about seventy five percent of all Emergency Medevac flights must travel north of the city.

Demarcation Point:
latitude: 43.76799
longitude:79.41267

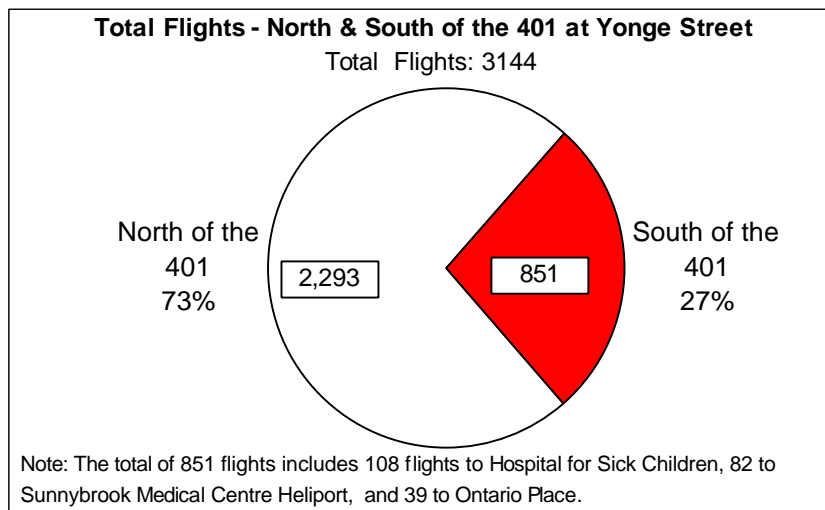
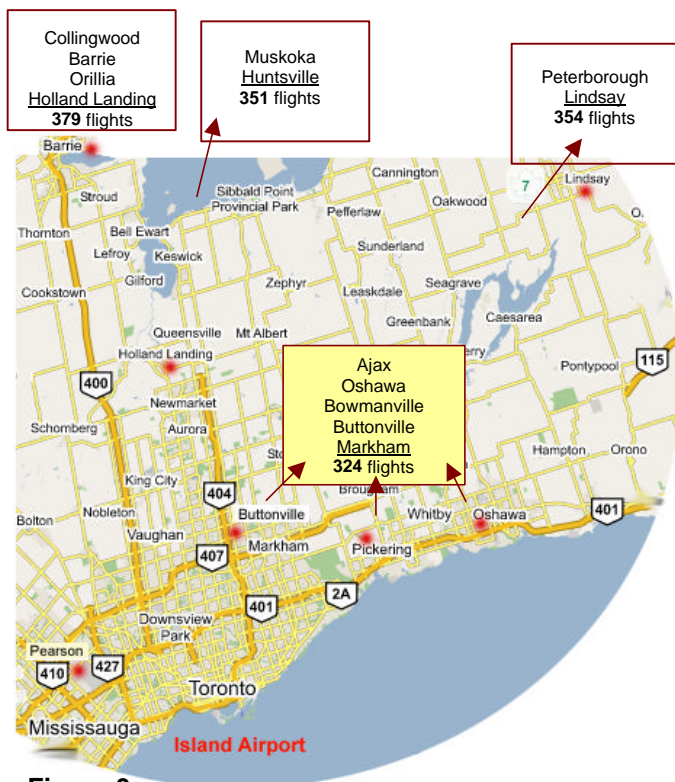


Figure 2

On the next page, Figure 3 identifies areas north of the city which constitute the most frequent sites for emergency Medevac flights. These four clusters account for almost half of all flights (1,408 flights out of a total of 3,144 flights).

In a de facto admission that the Medevac base of operations at the island airport is problematic, a Medevac helicopter “parks” in Muskoka during the summer. From May to September, the Medevac flies to Muskoka airport in the morning with its crew, waits for an emergency call, and then returns to the island airport each evening.



If while “parked” in Muskoka, the Medevac helicopter is required for an emergency at a location other than Muskoka, additional flying time is wasted. A more efficient strategy is to locate the base of operations at a more appropriate location in the first place.

Figure 3

Conclusions

This study confirms the predictions made by medical professionals and elected representatives in the early 1990s that relocating the Medevac base of operations from Buttonville to the Island Airport would result in delayed response times:

Predicted in 1991	Actual (based on 2001 to 2003 data)
<i>Over 75% of all helicopter calls originate at locations closer to Buttonville airport than at the Toronto Islands</i>	<ul style="list-style-type: none"> ▪ 65% of <u>locations</u> (83 of 127) were closer to Buttonville than to the island airport. ▪ 72.7% of <u>flights</u> (2287 out of 3144) were closer to Buttonville than to the island airport.
<i>The relocation could add as much as seven minutes of flying time to the team's response to an emergency call north of Metro</i>	<ul style="list-style-type: none"> ▪ 20.8% of flights (655 out of 3144) suffered a 7 minute delay. ▪ 57.1% of flights (1796 out of 3144) suffered a delay between 5 and 7 minutes.

As evidenced in this study, more than 70% of emergency Medevac flights are located north of the city, and the Toronto Island location offers the poorest response times. In fact, between 2001 and 2003, in order to **reach critically ill patients, the Medevac flew an extra 18,000 miles from Toronto Island** over the amount that would have been required departing from Buttonville airport.

While this report does not attempt to recommend any specific site as an alternative for the Medevac base of operations, some sites are obviously better suited than others. For instance, relocating the base of operations back to its original location at Buttonville is practical at two levels: it utilizes the air ambulance operations already at Buttonville (see the earlier Buttonville summary) and leads to significantly improved response times.

On the other hand, relocating the Medevac to the Barrie Orillia LSRA not only reduces the response times even more than Buttonville, but also dovetails with provincial initiatives and funding to establish the Barrie Orillia LSRA municipal airport.

The Toronto Island Airport is the least practical location for a number of reasons, and any of the following would trigger plans for a long term more viable location:

1. The current base of operations on Toronto Island is the southernmost point in the GTA, and this report confirms its location results in the **worst response times** compared to several alternative sites further north.
2. The Toronto Island Airport has **no road access**, and in May of 2005, the Federal government enacted legislation prohibiting a fixed link to the island. Without a permanent road, access is by ferry.
3. The ever increasing financial losses at the island airport, which were confirmed by the airport manager (see Appendix C) suggest that the island airport's **financial future is uncertain**, especially since Toronto Port Authority officials and their consultants affirmed that the airport would not be profitable without a fixed link. When the decision to close the airport is announced, there might be restricted window of opportunity within which to plan the relocation of the Medevac base of operations.
4. The park land on which the Toronto Island Airport lies has been identified as a possible site for Toronto's bid for the **world's fair in 2015**, which would require the airport to close.

There has been a steady deterioration in the airport's financial position since the mid 90's. In 2004, the airport registered operating losses of \$2.7-million on revenue of \$1.4-million.

In addition to the fact that it requires significant additional flying to cover the assigned catchment area, the Toronto Island Airport is a poor site because of its lack of road access and because of its deteriorating financial position, which threatens its continued existence.

Toronto is considering a bid for a worlds' fair in 2015 that would likely require closure of the airport as soon as 2007.

The Ontario Government is to be applauded for its efforts to streamline air and land ambulance operations. In August 2002, the previous Minister of Health Tony Clement announced \$32.5 million to improve ambulance response times (presumably land ambulance). With the creation of the Ontario Air Ambulance Services Corporation, the province is committed to making more effective use of resources in the Ontario air ambulance system. If reducing fuel costs and response times required to reach critically ill patients is an example of a more effective use of resources, then the OAASC must reexamine the inefficiencies of maintaining the base of operations for the Toronto Medevac helicopter at the Toronto island airport.

One cannot easily ignore the impractical features of an airport on an island without road access, nor the bleak economic future of the Toronto Island Airport, but surely the most compelling reason to relocate the base of operations for the Medevac helicopter is to improve response time to reach the majority of critically ill patients within southern Ontario. Whether the deteriorated response time from the island has already resulted in avoidable death, or might in the future, is worthy of careful analysis. But as Dr. McMurtry asked in 1991: 'Why would you want to roll the dice that way?'

APPENDIX A

The Toronto Star December 17, 1991, Tuesday, FINAL EDITION

SECTION: NEWS; Pg. A6

LENGTH: 570 words

HEADLINE: Air ambulance plan won't fly, MD says

BYLINE: BY BOB BRENT TORONTO STAR

Provincial officials may be endangering the lives of critically ill patients by moving an air ambulance base from Buttonville to Toronto Island Airport, says a doctor who helped establish the emergency care program.

The move has not been made public by the health ministry. Disgruntled paramedics contacted The Star, saying they are concerned about the effect the relocation will have on patient care.

Dr. Robert McMurtry says he is puzzled by the move because the majority of patients who are flown to Toronto hospitals by the helicopter unit come from north of Metro.

McMurtry headed the trauma unit at Sunnybrook Health Science Centre - the helicopters' base hospital - for 11 years after air ambulances began flying in 1977.

He left Sunnybrook in early 1988 to become director of surgery at Foothills Hospital in Calgary.

"Clearly there is an advantage to it being in southern Ontario north of Toronto when you think of where the patients are coming from," McMurtry said in a phone interview.

"I did flights with those guys in which there's no question that people wouldn't have stood another 10 minutes and survived it," McMurtry said.

"Those sorts of calls make up a minority - for most you'll get away with it. The question is, 'Why would you want to roll the dice that way?' " he said.

A paramedic who flies on the helicopter, which is dubbed Bandage One, says the move could add as much as seven minutes of flying time to the team's response to an emergency call north of Metro.

The base's twin helicopters cover an area stretching from London to Kingston and from Parry Sound to Fort Erie.

The paramedic said flight records compiled between May and mid-October of this year - traditionally the peak season for calls - indicate that Bandage One flew

78 per cent of the time to hospitals or accident sites that are closer to Buttonville airport.

Only 22 per cent of all destinations were closer to Toronto Island Airport, the paramedic said.

Health Minister Frances Lankin could not be reached for comment.

A spokesperson for the ministry defended the move, however, saying the Toronto Island base will save \$ 155,000 a year and cut down on the time it takes for patients to get from the base to downtown hospitals.

Judith Glynwilliams said the paramedic's statistics are skewed because they do not include flights that Bandage One made with a team from the Hospital for Sick Children's neo-natal unit.

The unit's director, Dr. Barry Smith, said there is no "significant difference" between Buttonville and Toronto Island as far as his team is concerned because in either case the helicopter would have to fly first to the hospital to pick up medical staff.

Sunnybrook hospital's Dr. Chris Rubes, current medical director for the air ambulance program, said he has few concerns about the effects of the move on patient care. "There might be a few cases," however, where time is critical, he said.

The new hangar is set for completion late next month.

The uncertain future of privately owned Buttonville Airport also prompted the move, Glynwilliams said.

But Michael Sifton, owner of Buttonville, said the move doesn't have "a goddamn thing to do with" the future of his airport.

Employees at the base were informed of the move by memo in late August. Another memo obtained by The Star says the move will be made by the end of March, possibly by late February.

APPENDIX B



Legislative Assembly of Ontario

December 17, 1991

MEMBERS' STATEMENTS

AIR AMBULANCE SERVICE

Mr Cousens: The relocation of the air ambulance service from Buttonville airport to the Toronto Islands will put lives at risk and cost the taxpayers money for an unnecessary move. The Ministry of Health believes the move will result in savings, a monetary saving of \$155,000 and time savings because patients will be closer to hospitals. The ministry's arguments cannot be based on facts.

Fact 1: The relocation will offer no patient benefits. Over 75% of all helicopter calls originate at locations closer to Buttonville airport than at the Toronto Islands. This makes sense because of the rural and outlying areas that are serviced by air ambulance such as Peterborough and Bracebridge. Relocation of the air ambulance service to the Toronto Islands increases the response time by about 10 minutes. Ten minutes could mean a lifetime.

Fact 2: There are no real cost savings. The proposed saving of \$155,000 is irrelevant since the new hangar at the Toronto Islands will cost over \$1.5 million to construct.

Finally, the Minister of Transportation is negotiating to keep Buttonville airport open. On the other hand, the Ministry of Health is taking away one of the most important services at the airport. It appears these negotiations are being conducted in bad faith. Moving the air ambulance service does a disservice to everyone, patients in need and taxpayers who will bear the cost of an unnecessary relocation.

http://www.ontla.on.ca/hansard/house_debates/35_parl/session1/la100a.htm

Memorandum

To: All TCCA USERS

From: Bill Yule
Airport Manager

Date: Monday January 17, 2005

Subject: New Airport/Ferry Hours of Operations

Please be advised, that due to economic circumstances, the Board of the Toronto Port Authority has authorized a reduction to airport and ferry operating hours. Therefore, beginning February 1, 2005, the following hours for both airport and ferry operations will be implemented:

Airport operating hours will be from **7:00 AM to 9:45 PM**. Ferry operating hours will be from **6:45 AM to 10:07 PM**.

The first Ferry will leave the mainland at 6:45 AM and the last Ferry will leave the Airport at 10:07 PM. As you can imagine, there is going to be congestion on the first couple of trips. ~~or~~ vehicle traffic and Control Tower Staff will have priority as the Airport can not operate without them, this, unfortunately, is going to require a great deal of patience by Airport tenants as there is no magic solution.

As well, after 7:30PM the Airport Office will be closed and Terminal A locked up. Any inquiries or requests for service will have to be directed to the Airport Fire Hall at 416 203 6965

These changes are, no doubt, going to cause some problems and concerns for everyone at the Airport, however, it should be evident to everyone activity at the TCCA has dropped to a level not seen before. We are hopeful circumstances will change in the near future and the Federal Government will come through with some much needed capital to get things moving again.

Appendix D

Summary of Total Miles Flown and Flying Time by Airport

This appendix calculates the Total Miles Flown and Flying Time for each airport site in the period 2001 to 2003. Since most Medevac emergencies are north of Toronto, the location of the Island Airport results in the highest amount of flying time in order to reach the site of the emergency.

	Total Miles Flown (2001 - 2003)	Flying Time* (minutes)
Barrie Orillia_LSRA:	166,144	73,842
Buttonville:	170,870	75,942
Holland Landing:	165,039	73,351
Island Airport:	188,064	83,584
Lindsay:	174,635	77,615
Oshawa:	177,419	78,853
Pearson:	187,693	83,419
Pickering:	168,498	74,888

* Flying time is based on a Sikorsky S-76A helicopter's cruising speed of 135 nautical miles per hour (2.25 nm/min).

APPENDIX E

Airport Coordinates and Calculations

Distances are calculated in nautical miles between each Medevac destination and each of the airport sites, using the following coordinates¹:

Airport Site	Latitude	Longitude
Barrie-Orillia (LSRA):	44.294393	-79.555556
Buttonville:	43.862222	-79.370000
Holland Landing:	44.089444	-79.495000
Island Airport:	43.627500	-79.396110
Lindsay:	44.364722	-78.783889
Oshawa Airport:	43.922778	-78.895000
Pearson:	43.677220	-79.630550
Pickering:	43.943144	-79.177356

The calculation for deriving the great-circle distances in this report is based on the spherical law of cosines, and has been verified with the well known haversine formula. The differences between the 2 methods are insignificant for the purpose of this study. The law of cosines algorithm is expressed as:

$$D = \text{acos}(\sin(\text{lat1}) \times \sin(\text{lat2}) + \cos(\text{lat1}) \times \cos(\text{lat2}) \times \cos(\text{long2} - \text{long1})) \times \text{Earth's Radius}$$

¹ While every effort was made to acquire the correct coordinates for the airport sites above, the reader is invited to report any errors to: INFO@COMMUNITYAIR.ORG

APPENDIX F

Emergency Code Categories

Air ambulance flights may be divided into four categories as determined by their purpose:

Code	Description
1	a deferrable or non-urgent call that may be delayed without being physically detrimental to the patient.
2	a scheduled call that may be done at specific times due to the limited availability of special treatment or diagnostic/receiving facilities. This scheduling is not based on patient preference or convenience.
3	an urgent call where the patient is stable or under professional care and not in immediate danger.
4	a very urgent or life threatening call. These calls refer to situations of a life or limb threatening nature and time is crucial.

While flights may originate anywhere in the province, their destinations will vary depending on the purpose and circumstances of each flight and its point of origin. For example, a helicopter medical evacuation originating near Orillia may fly a trauma patient to the Royal Victoria Hospital in Barrie if that hospital has the facilities to attend to the patient's needs. Trauma cases that require specialized care that may be unavailable at the closest hospitals to the trauma scene are helicoptered to Sunnybrook in Toronto.

Appendix G Data Used for Calculating Total Miles Flown (2001 - 2003)

This appendix is included so that the reader can verify the report's findings on a location by location basis. It calculates the total distance between the airports and each of the destinations in the period 2001 to 2003.

Explanation of Terms

Destination	Site obtained from MOH statistics.
Lat: / Lon:	Latitude and Longitude of site. While every effort was made to obtain accurate coordinates, errors may occur, and readers are invited to send any corrections to info@communityair.org
Shortest Route	The shortest calculated distance between the destination and any of the of the airport sites listed.
Distance	Distances are calculated in nautical miles between each Medevac destination and each of the airport sites. See Appendix A for details.
Number of Flights	Obtained from the MOH statistics for the years 2001 through 2003. These are one way flights.
Total Miles Flown	The shortest route between the destination and any of the of the airport sites listed. These are calculated amounts (see Distance) above.

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Ajax Heliport Lat: 43.837339 Lon: -79.015699	Shortest Route: Oshawa	13	9	9	
	Barrie Orillia_LSRA:	36			1115
	Buttonville:	15			477
	Holland Landing:	26			795
	Island Airport:	21			644
	Lindsay:	33			1029
	Oshawa:	7			227
	Pearson:	28			878
	Pickering:	9			293
Alliston Lat: 44.157355 Lon: -79.869015	Shortest Route: Barrie	23	18	33	
	Barrie Orillia_LSRA:	16			1168
	Buttonville:	28			2063
	Holland Landing:	17			1230
	Island Airport:	38			2797
	Lindsay:	48			3571
	Oshawa:	44			3278
	Pearson:	31			2264
	Pickering:	32			2403

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Bancroft					
Lat: 45.05347 Lon: -77.854733					
Shortest Route: Lindsay		4	10	13	
Barrie Orillia_LSRA:	86				2313
Buttonville:	97				2606
Holland Landing:	91				2454
Island Airport:	108				2920
Lindsay:	57				1546
Oshawa:	81				2191
Pearson:	112				3033
Pickering:	87				2360
Barrie (Royal Vic.) Hosp. Heliport					
Lat: 44.416147 Lon: -79.661847					
Shortest Route: Barrie		47	62	48	
Barrie Orillia_LSRA:	9				1352
Buttonville:	36				5578
Holland Landing:	21				3277
Island Airport:	49				7644
Lindsay:	38				5929
Oshawa:	44				6960
Pearson:	44				6964
Pickering:	35				5528
Barrie O. P. P. heliport					
Lat: 44.416147 Lon: -79.661847					
Shortest Route: Barrie			5		
Barrie Orillia_LSRA:	9				43
Buttonville:	36				178
Holland Landing:	21				104
Island Airport:	49				243
Lindsay:	38				189
Oshawa:	44				222
Pearson:	44				222
Pickering:	35				176
Barry's Bay					
Lat: 45.411253 Lon: -77.72467					
Shortest Route: Lindsay		3	2		
Barrie Orillia_LSRA:	103				514
Buttonville:	116				582
Holland Landing:	109				547
Island Airport:	129				644
Lindsay:	77				386
Oshawa:	102				512
Pearson:	132				661
Pickering:	108				538
Belleville Airport					
Lat: 44.192223 Lon: -77.309448					
Shortest Route: Lindsay			10	2	
Barrie Orillia_LSRA:	97				1161
Buttonville:	91				1093
Holland Landing:	94				1132
Island Airport:	96				1156
Lindsay:	64				770
Oshawa:	70				843
Pearson:	105				1259
Pickering:	82				983

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Belleville General (Quinte Health Care)					
Lat: 44.163532 Lon: -77.365341					
Shortest Route: Lindsay		7	9	10	
Barrie Orillia_LSRA:	94				2457
Buttonville:	88				2298
Holland Landing:	92				2387
Island Airport:	94				2431
Lindsay:	62				1615
Oshawa:	68				1756
Pearson:	102				2656
Pickering:	79				2060
Borden CFB Airport					
Lat: 44.271667 Lon: -79.912498					
Shortest Route: Barrie				1	
Barrie Orillia_LSRA:	15				15
Buttonville:	34				34
Holland Landing:	21				21
Island Airport:	45				45
Lindsay:	49				49
Oshawa:	49				49
Pearson:	38				38
Pickering:	37				37
Brampton Airport					
Lat: 43.771004 Lon: -79.904771					
Shortest Route: Pearson		1	3	2	
Barrie Orillia_LSRA:	35				209
Buttonville:	24				143
Holland Landing:	26				156
Island Airport:	24				142
Lindsay:	60				360
Oshawa:	45				268
Pearson:	13				79
Pickering:	33				199
Brantford Airport					
Lat: 43.13139 Lon: -80.3425					
Shortest Route: Pearson			3	8	
Barrie Orillia_LSRA:	78				854
Buttonville:	61				670
Holland Landing:	68				751
Island Airport:	51				560
Lindsay:	100				1102
Oshawa:	79				867
Pearson:	45				496
Pickering:	70				773
Brockville Municipal Airport (Heliport?)					
Lat: 44.641952 Lon: -75.744015					
Shortest Route: Lindsay		2	1		
Barrie Orillia_LSRA:	165				494
Buttonville:	163				488
Holland Landing:	164				493
Island Airport:	169				506
Lindsay:	131				393
Oshawa:	142				426
Pearson:	177				531
Pickering:	153				460

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Burlington Airpark		Shortest Route: Pearson			
Lat: 43.428635 Lon: -79.837584		8		1	
	Barrie Orillia_LSR:	53			480
	Buttonville:	33			297
	Holland Landing:	42			381
	Island Airport:	23			203
	Lindsay:	72			651
	Oshawa:	51			455
	Pearson:	17			157
	Pickering:	42			379
Buttonville Airport		Shortest Route: Buttonville			
Lat: 43.862221 Lon: -79.370003		21	26	11	
	Barrie Orillia_LSR:	27			1574
	Buttonville:	0			0
	Holland Landing:	15			850
	Island Airport:	14			819
	Lindsay:	39			2281
	Oshawa:	21			1210
	Pearson:	16			918
	Pickering:	10			559
C. H. E. D. Hospital Heliport		Shortest Route: Lindsay			
Lat: 45.020279 Lon: -74.717781			1		
	Barrie Orillia_LSR:	211			211
	Buttonville:	211			211
	Holland Landing:	212			212
	Island Airport:	217			217
	Lindsay:	178			178
	Oshawa:	191			191
	Pearson:	226			226
	Pickering:	202			202
C. R. Gummow Public School Heliport		Shortest Route: Oshawa			
Lat: 43.965331 Lon: -78.156334				16	
	Barrie Orillia_LSR:	63			1015
	Buttonville:	53			845
	Holland Landing:	58			932
	Island Airport:	57			918
	Lindsay:	36			578
	Oshawa:	32			512
	Pearson:	66			1058
	Pickering:	44			706
Campbellford		Shortest Route: Lindsay			
Lat: 44.303855 Lon: -77.791735		5	8	10	
	Barrie Orillia_LSR:	76			1742
	Buttonville:	73			1679
	Holland Landing:	74			1711
	Island Airport:	80			1847
	Lindsay:	43			983
	Oshawa:	53			1213
	Pearson:	88			2020
	Pickering:	63			1460

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Chatham Airport					
Lat: 42.306389 Lon: -82.08194					
Shortest Route: Pearson		3	5	1	
Barrie Orillia_LSR:	162				1462
Buttonville:	151				1360
Holland Landing:	156				1401
Island Airport:	142				1279
Lindsay:	190				1707
Oshawa:	170				1529
Pearson:	135				1219
Pickering:	161				1446
Christian Island Heliport					
Lat: 44.833015 Lon: -80.198028					
Shortest Route: Barrie				3	
Barrie Orillia_LSR:	42				127
Buttonville:	68				205
Holland Landing:	54				161
Island Airport:	80				240
Lindsay:	67				200
Oshawa:	78				234
Pearson:	74				221
Pickering:	69				207
Coburg					
Lat: 43.976173 Lon: -78.195958					
Shortest Route: Oshawa		17	5		
Barrie Orillia_LSR:	62				1355
Buttonville:	51				1126
Holland Landing:	56				1242
Island Airport:	56				1232
Lindsay:	34				757
Oshawa:	30				668
Pearson:	65				1422
Pickering:	42				933
Collingwood Airport					
Lat: 44.500811 Lon: -80.21696					
Shortest Route: Barrie		39	4	6	
Barrie Orillia_LSR:	31				1516
Buttonville:	53				2591
Holland Landing:	40				1942
Island Airport:	63				3098
Lindsay:	62				3035
Oshawa:	67				3263
Pearson:	56				2720
Pickering:	56				2736
Collingwood General Hospital Heliport					
Lat: 44.498072 Lon: -80.203334					
Shortest Route: Barrie			21	36	
Barrie Orillia_LSR:	30				1729
Buttonville:	52				2984
Holland Landing:	39				2227
Island Airport:	63				3578
Lindsay:	61				3496
Oshawa:	66				3762
Pearson:	55				3140
Pickering:	55				3150

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Cornwall Hotel Dieu Heliport					
Lat: 45.018612 Lon: -74.727635					
Shortest Route: Lindsay		5	1		
Barrie Orillia_LSRA:	211				1263
Buttonville:	211				1263
Holland Landing:	211				1268
Island Airport:	217				1302
Lindsay:	177				1064
Oshawa:	190				1141
Pearson:	225				1351
Pickering:	201				1206
Cottage Hosp. Heli. (Lakeridge Health P. Perry)					
Lat: 44.098074 Lon: -79.014748					
Shortest Route: Pickering			19	15	
Barrie Orillia_LSRA:	26				887
Buttonville:	21				710
Holland Landing:	21				704
Island Airport:	33				1112
Lindsay:	19				640
Oshawa:	12				398
Pearson:	37				1248
Pickering:	12				396
Credit Valley Hosp. Heliport (Mississauga)					
Lat: 43.56139 Lon: -79.702499					
Shortest Route: Pearson		15	20	18	
Barrie Orillia_LSRA:	44				2355
Buttonville:	23				1224
Holland Landing:	33				1745
Island Airport:	14				736
Lindsay:	62				3308
Oshawa:	41				2182
Pearson:	8				404
Pickering:	32				1711
Deerhurst Resort private airstrip					
Lat: 45.352469 Lon: -79.131045					
Shortest Route: Lindsay				1	
Barrie Orillia_LSRA:	66				66
Buttonville:	90				90
Holland Landing:	77				77
Island Airport:	104				104
Lindsay:	61				61
Oshawa:	86				86
Pearson:	103				103
Pickering:	85				85
Dunnville Haldimand War Memorial Hospital					
Lat: 42.904897 Lon: -79.624872					
Shortest Route: island			4	5	
Barrie Orillia_LSRA:	83				751
Buttonville:	59				527
Holland Landing:	71				642
Island Airport:	44				400
Lindsay:	95				854
Oshawa:	69				620
Pearson:	46				417
Pickering:	65				587

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Durham Memorial Hospital Heliport				1	
Lat: 44.17049 Lon: -80.812387					
Shortest Route: Barrie					
Barrie Orillia_LSR:	55				55
Buttonville:	65				65
Holland Landing:	57				57
Island Airport:	69				69
Lindsay:	88				88
Oshawa:	84				84
Pearson:	59				59
Pickering:	72				72
Elliot Lake Airport		1			
Lat: 46.384256 Lon: -82.661319					
Shortest Route: Barrie					
Barrie Orillia_LSR:	181				181
Buttonville:	206				206
Holland Landing:	192				192
Island Airport:	216				216
Lindsay:	203				203
Oshawa:	217				217
Pearson:	207				207
Pickering:	208				208
Espanola		1			
Lat: 46.217523 Lon: -81.731294					
Shortest Route: Barrie					
Barrie Orillia_LSR:	147				147
Buttonville:	173				173
Holland Landing:	159				159
Island Airport:	184				184
Lindsay:	167				167
Oshawa:	183				183
Pearson:	177				177
Pickering:	174				174
Eurocopter Canada LTD Heliport				5	
Lat: 42.927517 Lon: -78.955977					
Shortest Route: island					
Barrie Orillia_LSR:	86				430
Buttonville:	59				295
Holland Landing:	74				368
Island Airport:	46				231
Lindsay:	87				433
Oshawa:	60				299
Pearson:	54				269
Pickering:	62				308
Exeter Heliport (South Huron Hospital)			1	5	
Lat: 43.347325 Lon: -81.484248					
Shortest Route: Pearson					
Barrie Orillia_LSR:	101				606
Buttonville:	97				581
Holland Landing:	97				582
Island Airport:	92				555
Lindsay:	132				791
Oshawa:	118				706
Pearson:	83				498
Pickering:	106				638

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Fergus Public Utilities Heliport					
Lat: 43.705314 Lon: -80.373137					
Shortest Route: Pearson		6	9	6	
Barrie Orillia_LSRA:	50				1049
Buttonville:	44				934
Holland Landing:	44				933
Island Airport:	43				896
Lindsay:	79				1662
Oshawa:	65				1372
Pearson:	32				677
Pickering:	54				1128
Ft. Erie					
Lat: 42.912803 Lon: -78.923862					
Shortest Route: island		1			
Barrie Orillia_LSRA:	87				87
Buttonville:	60				60
Holland Landing:	75				75
Island Airport:	48				48
Lindsay:	87				87
Oshawa:	61				61
Pearson:	55				55
Pickering:	63				63
Georgetown					
Lat: 43.644382 Lon: -79.93225					
Shortest Route: Pearson		5	7	16	
Barrie Orillia_LSRA:	42				1183
Buttonville:	28				774
Holland Landing:	33				916
Island Airport:	23				652
Lindsay:	66				1841
Oshawa:	48				1342
Pearson:	13				371
Pickering:	37				1044
Goderich					
Lat: 43.750199 Lon: -81.706293					
Shortest Route: Pearson		1	2	3	
Barrie Orillia_LSRA:	98				590
Buttonville:	101				608
Holland Landing:	98				586
Island Airport:	100				603
Lindsay:	131				788
Oshawa:	122				733
Pearson:	90				541
Pickering:	110				660
Gore Bay - Manitoulin Airport					
Lat: 45.885281 Lon: -82.56778					
Shortest Route: Barrie			1		
Barrie Orillia_LSRA:	159				159
Buttonville:	182				182
Holland Landing:	169				169
Island Airport:	191				191
Lindsay:	184				184
Oshawa:	195				195
Pearson:	182				182
Pickering:	185				185

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Grimsby Airport (Airpark)					
Lat: 43.187514 Lon: -79.541264					
Shortest Route: island		4	1	3	
Barrie Orillia_LSRA:	66				531
Buttonville:	41				329
Holland Landing:	54				433
Island Airport:	27				217
Lindsay:	78				623
Oshawa:	52				418
Pearson:	30				237
Pickering:	48				384
Guelph Airport					
Lat: 42.318422 Lon: -82.142779					
Shortest Route: Pearson		4	11	10	
Barrie Orillia_LSRA:	164				4093
Buttonville:	153				3819
Holland Landing:	157				3929
Island Airport:	144				3597
Lindsay:	191				4779
Oshawa:	172				4293
Pearson:	137				3427
Pickering:	162				4059
Hagersville					
Lat: 42.925358 Lon: -79.938026					
Shortest Route: Pearson		2	2	4	
Barrie Orillia_LSRA:	84				670
Buttonville:	61				491
Holland Landing:	72				580
Island Airport:	48				387
Lindsay:	100				799
Oshawa:	75				601
Pearson:	47				377
Pickering:	69				556
Hagersville Haldimand Hosp. Heliport					
Lat: 42.958336 Lon: -80.043335					
Shortest Route: Pearson			2	2	
Barrie Orillia_LSRA:	83				332
Buttonville:	62				247
Holland Landing:	72				288
Island Airport:	49				196
Lindsay:	101				402
Oshawa:	76				306
Pearson:	47				187
Pickering:	70				280
Haliburton Highlands (Stanhope)					
Lat: 44.843497 Lon: -78.813741					
Shortest Route: Lindsay		25	18	16	
Barrie Orillia_LSRA:	46				2698
Buttonville:	64				3748
Holland Landing:	54				3176
Island Airport:	77				4551
Lindsay:	29				1696
Oshawa:	55				3266
Pearson:	78				4619
Pickering:	56				3317

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Hamilton Civic Airport			3	6	
Lat: 43.17306 Lon: -79.935					
Shortest Route: Pearson					
Barrie Orillia_LSR:	69				623
Buttonville:	48				433
Holland Landing:	58				524
Island Airport:	36				324
Lindsay:	87				785
Oshawa:	64				574
Pearson:	33				297
Pickering:	57				511
Hamilton General Hospital Heliport		21	6	6	
Lat: 43.260278 Lon: -79.852778					
Shortest Route: Pearson					
Barrie Orillia_LSR:	63				2091
Buttonville:	42				1378
Holland Landing:	52				1720
Island Airport:	30				980
Lindsay:	81				2667
Oshawa:	58				1899
Pearson:	27				885
Pickering:	50				1663
Hamilton International Airport Limited				3	
Lat: 43.17306 Lon: -79.935					
Shortest Route: Pearson					
Barrie Orillia_LSR:	69				208
Buttonville:	48				144
Holland Landing:	58				175
Island Airport:	36				108
Lindsay:	87				262
Oshawa:	64				191
Pearson:	33				99
Pickering:	57				170
Hamilton McMaster Heliport			4	10	
Lat: 43.266666 Lon: -79.933334					
Shortest Route: Pearson					
Barrie Orillia_LSR:	64				893
Buttonville:	43				606
Holland Landing:	53				741
Island Airport:	32				446
Lindsay:	83				1156
Oshawa:	60				838
Pearson:	28				391
Pickering:	52				731
Hanover		4	5	1	
Lat: 44.140833 Lon: -81.029167					
Shortest Route: Barrie					
Barrie Orillia_LSR:	64				640
Buttonville:	74				735
Holland Landing:	66				662
Island Airport:	77				770
Lindsay:	97				974
Oshawa:	93				930
Pearson:	67				665
Pickering:	81				807

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Hanover (Saugeen Municipal) Airport			1		
Lat: 44.158333 Lon: -81.062778					
Shortest Route: Barrie					
Barrie Orillia_LSRA:	65				65
Buttonville:	75				75
Holland Landing:	68				68
Island Airport:	79				79
Lindsay:	99				99
Oshawa:	95				95
Pearson:	68				68
Pickering:	82				82
Highlands (Stanhope)			1	1	
Lat: 45.110832 Lon: -78.639999					
Shortest Route: Lindsay					
Barrie Orillia_LSRA:	63				125
Buttonville:	81				162
Holland Landing:	71				143
Island Airport:	95				189
Lindsay:	45				90
Oshawa:	72				144
Pearson:	96				192
Pickering:	74				147
Holland Landing Airpark			16	23	
Lat: 44.089443 Lon: -79.494995					
Shortest Route: Holland Landing					
Barrie Orillia_LSRA:	13				490
Buttonville:	15				572
Holland Landing:	0				0
Island Airport:	28				1094
Lindsay:	35				1355
Oshawa:	28				1082
Pearson:	25				991
Pickering:	16				635
Hospital for Sick Children		32	41	35	
Lat: 43.650002 Lon: -79.383331					
Shortest Route: island					
Barrie Orillia_LSRA:	39				4252
Buttonville:	13				1377
Holland Landing:	27				2895
Island Airport:	1				158
Lindsay:	50				5409
Oshawa:	27				2888
Pearson:	11				1172
Pickering:	20				2130
Hotel Dieu of St. Catharines			19	25	
Lat: 43.203208 Lon: -79.265524					
Shortest Route: island					
Barrie Orillia_LSRA:	67				2933
Buttonville:	40				1751
Holland Landing:	54				2380
Island Airport:	26				1148
Lindsay:	73				3201
Oshawa:	46				2028
Pearson:	33				1434
Pickering:	45				1961

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Huntsville					
Lat: 45.33795 Lon: -79.209497					
Shortest Route: Lindsay		40	54	28	
Barrie Orillia_LSRA:	64				7847
Buttonville:	89				10834
Holland Landing:	76				9259
Island Airport:	103				12558
Lindsay:	61				7458
Oshawa:	86				10487
Pearson:	101				12353
Pickering:	84				10211
Joseph Brant Hospital Heliport					
Lat: 43.32528 Lon: -79.804036					
Shortest Route: Pearson			3		
Barrie Orillia_LSRA:	59				177
Buttonville:	37				112
Holland Landing:	48				143
Island Airport:	25				76
Lindsay:	76				229
Oshawa:	53				160
Pearson:	22				67
Pickering:	46				138
Kincardine					
Lat: 44.174892 Lon: -81.636154					
Shortest Route: Barrie		4	4	1	
Barrie Orillia_LSRA:	90				808
Buttonville:	100				896
Holland Landing:	92				831
Island Airport:	102				920
Lindsay:	123				1108
Oshawa:	119				1072
Pearson:	92				825
Pickering:	107				962
Kingston Airport					
Lat: 44.225277 Lon: -76.596947					
Shortest Route: Lindsay			3	2	
Barrie Orillia_LSRA:	127				636
Buttonville:	122				608
Holland Landing:	125				625
Island Airport:	126				631
Lindsay:	94				471
Oshawa:	101				504
Pearson:	135				675
Pickering:	112				562
Kingston Medical Heliport					
Lat: 44.224665 Lon: -76.492112					
Shortest Route: Lindsay		8	6	2	
Barrie Orillia_LSRA:	132				2107
Buttonville:	126				2016
Holland Landing:	130				2072
Island Airport:	130				2088
Lindsay:	99				1580
Oshawa:	105				1682
Pearson:	139				2232
Pickering:	117				1871

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Kitchener/Waterloo (St. Mary's Hosp) Helprt					
Lat: 43.438495 Lon: -80.500574					
	Shortest Route: Pearson	13	21	22	
	Barrie Orillia_LSRA:	66			3676
	Buttonville:	55			3095
	Holland Landing:	59			3277
	Island Airport:	49			2764
	Lindsay:	93			5192
	Oshawa:	75			4227
	Pearson:	40			2265
	Pickering:	65			3634
Lakeridge Health - Bowmanville Div. heliport					
Lat: 43.909123 Lon: -78.679477					
	Shortest Route: Oshawa	23	28	24	
	Barrie Orillia_LSRA:	44			3320
	Buttonville:	30			2249
	Holland Landing:	37			2762
	Island Airport:	35			2651
	Lindsay:	28			2078
	Oshawa:	9			701
	Pearson:	43			3261
	Pickering:	22			1621
Leamington					
Lat: 42.049397 Lon: -82.614664					
	Shortest Route: Pearson	1			
	Barrie Orillia_LSRA:	190			190
	Buttonville:	179			179
	Holland Landing:	183			183
	Island Airport:	170			170
	Lindsay:	218			218
	Oshawa:	198			198
	Pearson:	164			164
	Pickering:	189			189
Lindsay					
Lat: 44.364722 Lon: -78.783889					
	Shortest Route: Lindsay	36	74	67	
	Barrie Orillia_LSRA:	33			5909
	Buttonville:	39			6960
	Holland Landing:	35			6151
	Island Airport:	52			9120
	Lindsay:	0			0
	Oshawa:	27			4769
	Pearson:	55			9752
	Pickering:	30			5388
Lions Head Heliport					
Lat: 45.300858 Lon: -81.728206					
	Shortest Route: Barrie		1		
	Barrie Orillia_LSRA:	110			110
	Buttonville:	133			133
	Holland Landing:	120			120
	Island Airport:	142			142
	Lindsay:	137			137
	Oshawa:	147			147
	Pearson:	132			132
	Pickering:	136			136

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Listowell Heliport				1	
Lat: 43.742779 Lon: -80.991386					
Shortest Route: Pearson					
Barrie Orillia_LSR:	70				70
Buttonville:	71				71
Holland Landing:	68				68
Island Airport:	70				70
Lindsay:	102				102
Oshawa:	91				91
Pearson:	59				59
Pickering:	79				79
London Airport		32	7	7	
Lat: 43.035556 Lon: -81.153889					
Shortest Route: Pearson					
Barrie Orillia_LSR:	103				4717
Buttonville:	92				4240
Holland Landing:	96				4412
Island Airport:	85				3889
Lindsay:	130				5984
Oshawa:	112				5144
Pearson:	77				3533
Pickering:	102				4683
London University Hospital Heliport			3		
Lat: 43.012778 Lon: -81.273056					
Shortest Route: Pearson					
Barrie Orillia_LSR:	107				321
Buttonville:	97				292
Holland Landing:	101				302
Island Airport:	90				270
Lindsay:	135				405
Oshawa:	117				351
Pearson:	82				246
Pickering:	107				321
Madoc Heliport			1		
Lat: 44.507244 Lon: -77.465592					
Shortest Route: Lindsay					
Barrie Orillia_LSR:	90				90
Buttonville:	91				91
Holland Landing:	91				91
Island Airport:	99				99
Lindsay:	57				57
Oshawa:	71				71
Pearson:	106				106
Pickering:	81				81
Manitoulin		1	1		
Lat: 45.92497 Lon: -82.032668					
Shortest Route: Barrie					
Barrie Orillia_LSR:	143				287
Buttonville:	168				335
Holland Landing:	154				308
Island Airport:	178				356
Lindsay:	166				333
Oshawa:	179				359
Pearson:	169				338
Pickering:	170				340

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Markdale					
Lat: 44.31867 Lon: -80.648097					
Shortest Route: Barrie		1	5	5	
Barrie Orillia_LSR:	47				516
Buttonville:	62				677
Holland Landing:	51				566
Island Airport:	68				749
Lindsay:	80				880
Oshawa:	79				871
Pearson:	58				642
Pickering:	67				739
Markham Airport					
Lat: 43.879727 Lon: -79.248318					
Shortest Route: Pickering		17	2	1	
Barrie Orillia_LSR:	28				564
Buttonville:	5				107
Holland Landing:	16				330
Island Airport:	16				329
Lindsay:	35				706
Oshawa:	15				310
Pearson:	21				411
Pickering:	5				98
Markham Stouffille Heliport,					
Lat: 43.881246 Lon: -79.258795					
Shortest Route: Buttonville			11	7	
Barrie Orillia_LSR:	28				502
Buttonville:	5				89
Holland Landing:	16				290
Island Airport:	16				294
Lindsay:	35				639
Oshawa:	16				287
Pearson:	20				364
Pickering:	5				92
Mattawa					
Lat: 46.316803 Lon: -78.714939					
Shortest Route: Lindsay		2	2		
Barrie Orillia_LSR:	126				506
Buttonville:	150				599
Holland Landing:	138				551
Island Airport:	164				656
Lindsay:	117				469
Oshawa:	144				575
Pearson:	163				652
Pickering:	144				575
Meaford General Hospital Heliport					
Lat: 44.606204 Lon: -80.600538					
Shortest Route: Barrie			7	2	
Barrie Orillia_LSR:	49				437
Buttonville:	69				623
Holland Landing:	57				510
Island Airport:	78				705
Lindsay:	79				712
Oshawa:	84				756
Pearson:	70				627
Pickering:	73				656

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Midland		Shortest Route: Barrie			
Lat: 44.758762 Lon: -79.910945		17	2	3	
	Barrie Orillia_LSRA:	32			698
	Buttonville:	59			1289
	Holland Landing:	44			967
	Island Airport:	71			1571
	Lindsay:	54			1181
	Oshawa:	66			1462
	Pearson:	66			1452
	Pickering:	58			1280
Milton		Shortest Route: Pearson			
Lat: 43.482697 Lon: -79.828866		1	2	5	
	Barrie Orillia_LSRA:	50			401
	Buttonville:	30			242
	Holland Landing:	39			313
	Island Airport:	21			166
	Lindsay:	70			557
	Oshawa:	48			387
	Pearson:	15			116
	Pickering:	40			316
Minden		Shortest Route: Lindsay			
Lat: 44.843497 Lon: -78.813741		15	9	15	
	Barrie Orillia_LSRA:	46			1783
	Buttonville:	64			2478
	Holland Landing:	54			2099
	Island Airport:	77			3008
	Lindsay:	29			1121
	Oshawa:	55			2159
	Pearson:	78			3053
	Pickering:	56			2193
Mingen Hospital Heliport		Shortest Route: Lindsay			
Lat: 44.924725 Lon: -78.729446			37		
	Barrie Orillia_LSRA:	52			1914
	Buttonville:	69			2568
	Holland Landing:	60			2215
	Island Airport:	83			3068
	Lindsay:	34			1246
	Oshawa:	61			2240
	Pearson:	84			3117
	Pickering:	62			2292
Mt. Forest L M Hospital Heliport		Shortest Route: Pearson			
Lat: 43.974167 Lon: -80.737495		1	5	1	
	Barrie Orillia_LSRA:	54			381
	Buttonville:	59			416
	Holland Landing:	54			378
	Island Airport:	62			432
	Lindsay:	87			611
	Oshawa:	80			558
	Pearson:	51			358
	Pickering:	67			472

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Muskoka Airport					
Lat: 44.974724 Lon: -79.303337					
Shortest Route: Barrie		43	8	74	
Barrie Orillia_LSR:	42				5277
Buttonville:	67				8351
Holland Landing:	54				6718
Island Airport:	81				10116
Lindsay:	43				5348
Oshawa:	65				8187
Pearson:	79				9888
Pickering:	62				7766
Niagara Falls Medical Heliport					
Lat: 43.056616 Lon: -79.050415					
Shortest Route: island			4	10	
Barrie Orillia_LSR:	77				1084
Buttonville:	50				704
Holland Landing:	65				909
Island Airport:	37				524
Lindsay:	79				1111
Oshawa:	52				734
Pearson:	45				630
Pickering:	53				749
Nipissing Near N. Cmty Care Ctr. Heliport					
Lat: 46.324314 Lon: -79.455549					
Shortest Route: Lindsay				1	
Barrie Orillia_LSR:	122				122
Buttonville:	148				148
Holland Landing:	134				134
Island Airport:	162				162
Lindsay:	121				121
Oshawa:	146				146
Pearson:	159				159
Pickering:	143				143
North Bay Airport					
Lat: 46.363611 Lon: -79.422778					
Shortest Route: Lindsay		6	5	7	
Barrie Orillia_LSR:	124				2237
Buttonville:	150				2702
Holland Landing:	136				2457
Island Airport:	164				2955
Lindsay:	123				2212
Oshawa:	148				2666
Pearson:	161				2906
Pickering:	146				2621
Oakville Ford Plant Heliport					
Lat: 43.677736 Lon: -79.587973					
Shortest Route: Pearson		1	2	3	
Barrie Orillia_LSR:	37				222
Buttonville:	15				87
Holland Landing:	25				150
Island Airport:	9				53
Lindsay:	54				323
Oshawa:	33				200
Pearson:	2				11
Pickering:	24				143

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Ontario Place			37	2	
Lat: 43.630756 Lon: -79.418222					
Shortest Route: island					
Barrie Orillia_LSRA:	40				1570
Buttonville:	14				548
Holland Landing:	28				1081
Island Airport:	1				38
Lindsay:	52				2022
Oshawa:	29				1117
Pearson:	10				376
Pickering:	21				837
Orangeville Town Heliport			11	33	
Lat: 43.958611 Lon: -80.155					
Shortest Route: Pearson					
Barrie Orillia_LSRA:	33				1441
Buttonville:	34				1514
Holland Landing:	30				1300
Island Airport:	38				1690
Lindsay:	64				2809
Oshawa:	54				2397
Pearson:	28				1245
Pickering:	42				1859
Orillia (Mara) Airport				3	
Lat: 44.683333 Lon: -79.316667					
Shortest Route: Barrie					
Barrie Orillia_LSRA:	25				76
Buttonville:	49				148
Holland Landing:	36				109
Island Airport:	63				190
Lindsay:	30				89
Oshawa:	49				147
Pearson:	62				186
Pickering:	45				134
Orillia O. P. P. Heliport				27	
Lat: 44.581944 Lon: -79.429444					
Shortest Route: Barrie					
Barrie Orillia_LSRA:	18				488
Buttonville:	43				1168
Holland Landing:	30				801
Island Airport:	57				1547
Lindsay:	31				825
Oshawa:	46				1235
Pearson:	55				1484
Pickering:	40				1075
Orillia RegionalCentre Heliport		19	11	3	
Lat: 44.604881 Lon: -79.42441					
Shortest Route: Barrie					
Barrie Orillia_LSRA:	19				642
Buttonville:	45				1472
Holland Landing:	31				1025
Island Airport:	59				1936
Lindsay:	31				1022
Oshawa:	47				1545
Pearson:	56				1860
Pickering:	41				1356

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Oro-Barrie-Orillia			7	2	
Lat: 44.485279 Lon: -79.555557					
Shortest Route: Barrie					
Barrie Orillia_LSRA:	11				103
Buttonville:	38				344
Holland Landing:	24				215
Island Airport:	52				467
Lindsay:	34				305
Oshawa:	44				397
Pearson:	49				437
Pickering:	36				327
Oshawa Municipal Airport		14	17	16	
Lat: 43.922778 Lon: -78.895					
Shortest Route: Oshawa					
Barrie Orillia_LSRA:	36				1699
Buttonville:	21				980
Holland Landing:	28				1305
Island Airport:	28				1317
Lindsay:	27				1266
Oshawa:	0				0
Pearson:	35				1649
Pickering:	12				576
Ottawa Civic Hospital Campus Heliport				1	
Lat: 45.392401 Lon: -75.719954					
Shortest Route: Lindsay					
Barrie Orillia_LSRA:	176				176
Buttonville:	181				181
Holland Landing:	179				179
Island Airport:	190				190
Lindsay:	144				144
Oshawa:	162				162
Pearson:	196				196
Pickering:	171				171
Ottawa International Airport		10		1	
Lat: 45.339621 Lon: -75.655031					
Shortest Route: Lindsay					
Barrie Orillia_LSRA:	177				1952
Buttonville:	182				1999
Holland Landing:	180				1981
Island Airport:	190				2092
Lindsay:	145				1599
Oshawa:	162				1786
Pearson:	197				2169
Pickering:	172				1893
Owen Sound Billy Bishop Regional Airport		16	18	1	
Lat: 44.590278 Lon: -80.8375					
Shortest Route: Barrie					
Barrie Orillia_LSRA:	58				2020
Buttonville:	77				2686
Holland Landing:	65				2274
Island Airport:	85				2968
Lindsay:	89				3113
Oshawa:	93				3240
Pearson:	76				2643
Pickering:	81				2842

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Owen Sound Sound Grey Bruce Heliport			18	13	
Lat: 44.568056 Lon: -80.913333					
Shortest Route: Barrie					
Barrie Orillia_LSRA:	60				1874
Buttonville:	79				2440
Holland Landing:	67				2086
Island Airport:	86				2677
Lindsay:	92				2852
Oshawa:	95				2945
Pearson:	77				2383
Pickering:	83				2588
Palmerston North Wellington Health Care				2	
Lat: 43.857448 Lon: -80.815792					
Shortest Route: Pearson					
Barrie Orillia_LSRA:	60				121
Buttonville:	63				125
Holland Landing:	59				117
Island Airport:	63				126
Lindsay:	93				185
Oshawa:	83				166
Pearson:	52				105
Pickering:	71				142
Parry Sound - Georgian Bay Airport				3	
Lat: 45.249213 Lon: -79.797256					
Shortest Route: Barrie					
Barrie Orillia_LSRA:	58				175
Buttonville:	85				256
Holland Landing:	71				212
Island Airport:	99				296
Lindsay:	68				205
Oshawa:	88				265
Pearson:	95				284
Pickering:	83				248
Parry Sound Coast Guard Heliport			5	5	
Lat: 45.249213 Lon: -79.797256					
Shortest Route: Barrie					
Barrie Orillia_LSRA:	58				582
Buttonville:	85				852
Holland Landing:	71				708
Island Airport:	99				988
Lindsay:	68				684
Oshawa:	88				884
Pearson:	95				946
Pickering:	83				827
Parry Sound Medical Centre Heliport		22	10	9	
Lat: 45.343352 Lon: -80.034116					
Shortest Route: Barrie					
Barrie Orillia_LSRA:	66				2712
Buttonville:	93				3825
Holland Landing:	79				3225
Island Airport:	107				4367
Lindsay:	79				3248
Oshawa:	98				4023
Pearson:	101				4159
Pickering:	92				3757

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Pearson					
Lat: 43.677222 Lon: -79.630556					
Shortest Route: Pearson		16	15	17	
Barrie Orillia_LSRA:	37				1784
Buttonville:	16				760
Holland Landing:	25				1220
Island Airport:	11				509
Lindsay:	55				2645
Oshawa:	35				1685
Pearson:	0				0
Pickering:	25				1214
Pelee Island Heliport					
Lat: 41.778332 Lon: -82.678055					
Shortest Route: Pearson		1	1		
Barrie Orillia_LSRA:	204				408
Buttonville:	192				384
Holland Landing:	197				394
Island Airport:	182				365
Lindsay:	231				461
Oshawa:	210				421
Pearson:	176				352
Pickering:	201				403
Pembroke General Hospital Heliport					
Lat: 45.815277 Lon: -77.107773					
Shortest Route: Lindsay			2		
Barrie Orillia_LSRA:	138				276
Buttonville:	152				303
Holland Landing:	145				290
Island Airport:	164				327
Lindsay:	112				225
Oshawa:	137				273
Pearson:	167				335
Pickering:	143				285
Peterborough Airport					
Lat: 44.309019 Lon: -78.320103					
Shortest Route: Lindsay		77	90	10	
Barrie Orillia_LSRA:	53				9391
Buttonville:	53				9309
Holland Landing:	52				9244
Island Airport:	62				10955
Lindsay:	20				3572
Oshawa:	34				6003
Pearson:	68				12052
Pickering:	43				7603
Peterborough Civic Hospital Heliport					
Lat: 44.301444 Lon: -78.342222					
Shortest Route: Lindsay			10	101	
Barrie Orillia_LSRA:	52				5784
Buttonville:	52				5721
Holland Landing:	51				5682
Island Airport:	61				6758
Lindsay:	19				2146
Oshawa:	33				3653
Pearson:	67				7442
Pickering:	42				4651

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Picton					
Lat: 43.989166 Lon: -77.139168					
Shortest Route: Lindsay		1	1	1	
Barrie Orillia_LSRA:	106				317
Buttonville:	97				290
Holland Landing:	102				305
Island Airport:	100				300
Lindsay:	74				223
Oshawa:	76				228
Pearson:	109				328
Pickering:	88				264
Port Perry					
Lat: 44.098074 Lon: -79.014748					
Shortest Route: Pickering		12	14	11	
Barrie Orillia_LSRA:	26				965
Buttonville:	21				772
Holland Landing:	21				766
Island Airport:	33				1210
Lindsay:	19				697
Oshawa:	12				434
Pearson:	37				1358
Pickering:	12				431
Pt. Colborne					
Lat: 42.880589 Lon: -79.259006					
Shortest Route: island		1	5	4	
Barrie Orillia_LSRA:	86				858
Buttonville:	59				591
Holland Landing:	73				733
Island Airport:	45				452
Lindsay:	91				914
Oshawa:	65				645
Pearson:	50				505
Pickering:	64				639
Sarnia					
Lat: 42.995638 Lon: -82.309929					
Shortest Route: Pearson		3	1		
Barrie Orillia_LSRA:	143				571
Buttonville:	138				553
Holland Landing:	139				556
Island Airport:	133				531
Lindsay:	174				695
Oshawa:	159				635
Pearson:	124				495
Pickering:	148				591
Shelburne Headwaters Health Care Centre					
Lat: 44.083947 Lon: -80.197597					
Shortest Route: Holland Landing				1	
Barrie Orillia_LSRA:	30				30
Buttonville:	38				38
Holland Landing:	30				30
Island Airport:	44				44
Lindsay:	63				63
Oshawa:	57				57
Pearson:	35				35
Pickering:	45				45

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Simcoe Norfolk Gen. Heliport					
Lat: 42.83465 Lon: -80.315284					
Shortest Route: Pearson		2	4	6	
Barrie Orillia_LSRAs:	94				1123
Buttonville:	74				890
Holland Landing:	83				1000
Island Airport:	62				747
Lindsay:	113				1360
Oshawa:	90				1080
Pearson:	59				705
Pickering:	83				996
Sioux Ste. Marie Bushplane Heritage Centre					
Lat: 46.512107 Lon: -84.337617					
Shortest Route: Barrie			1		
Barrie Orillia_LSRAs:	241				241
Buttonville:	263				263
Holland Landing:	251				251
Island Airport:	272				272
Lindsay:	267				267
Oshawa:	277				277
Pearson:	262				262
Pickering:	267				267
Smith Falls Hospital Heliport					
Lat: 44.907223 Lon: -76.027229					
Shortest Route: Lindsay		1	1		
Barrie Orillia_LSRAs:	155				310
Buttonville:	156				313
Holland Landing:	156				313
Island Airport:	164				328
Lindsay:	122				244
Oshawa:	136				273
Pearson:	171				343
Pickering:	147				294
South Muskoka Hospital Heliport					
Lat: 45.046255 Lon: -79.312442					
Shortest Route: Barrie			68	36	
Barrie Orillia_LSRAs:	46				4814
Buttonville:	71				7393
Holland Landing:	58				6025
Island Airport:	85				8861
Lindsay:	47				4856
Oshawa:	70				7252
Pearson:	83				8659
Pickering:	66				6909
Southampton					
Lat: 44.493889 Lon: -81.335281					
Shortest Route: Barrie				3	
Barrie Orillia_LSRAs:	77				232
Buttonville:	93				278
Holland Landing:	83				248
Island Airport:	98				295
Lindsay:	110				329
Oshawa:	110				331
Pearson:	88				265
Pickering:	98				295

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
St. Catherines Niagara Regional Airport					
Lat: 43.191669 Lon: -79.171661					
Shortest Route: island		12	1	5	
Barrie Orillia_LSRA:	68				1228
Buttonville:	41				741
Holland Landing:	56				1002
Island Airport:	28				503
Lindsay:	72				1302
Oshawa:	45				819
Pearson:	35				636
Pickering:	45				812
St. Thomas					
Lat: 42.77 Lon: -81.110833					
Shortest Route: Pearson		1		1	
Barrie Orillia_LSRA:	114				228
Buttonville:	100				201
Holland Landing:	106				212
Island Airport:	91				182
Lindsay:	139				278
Oshawa:	119				238
Pearson:	85				169
Pickering:	110				220
Stratford					
Lat: 43.415558 Lon: -80.934448					
Shortest Route: Pearson		1	1	2	
Barrie Orillia_LSRA:	80				318
Buttonville:	73				292
Holland Landing:	74				297
Island Airport:	68				272
Lindsay:	109				436
Oshawa:	94				374
Pearson:	59				235
Pickering:	83				330
Sudbry Airport					
Lat: 46.625 Lon: -80.798889					
Shortest Route: Barrie		17	17	11	
Barrie Orillia_LSRA:	149				6718
Buttonville:	176				7938
Holland Landing:	162				7279
Island Airport:	189				8522
Lindsay:	160				7196
Oshawa:	181				8143
Pearson:	184				8263
Pickering:	175				7868
Sudbury General Hospital Heliport					
Lat: 46.475267 Lon: -81.00729					
Shortest Route: Barrie			6	2	
Barrie Orillia_LSRA:	144				1155
Buttonville:	171				1371
Holland Landing:	157				1254
Island Airport:	184				1472
Lindsay:	157				1260
Oshawa:	177				1418
Pearson:	178				1422
Pickering:	170				1364

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Sunnybrook Medical Centre Heliport					
Lat: 43.721228 Lon: -79.378792					
Shortest Route: island		22	26	34	
Barrie Orillia_LSR:	35				2888
Buttonville:	8				694
Holland Landing:	23				1858
Island Airport:	6				465
Lindsay:	46				3801
Oshawa:	24				1983
Pearson:	11				921
Pickering:	16				1305
Sydenham District Hospital Heliport					
Lat: 42.597425 Lon: -82.366925					
Shortest Route: Pearson			2	1	
Barrie Orillia_LSR:	159				478
Buttonville:	151				454
Holland Landing:	154				462
Island Airport:	144				432
Lindsay:	189				566
Oshawa:	171				514
Pearson:	136				409
Pickering:	161				483
Temiskaming Hospital Heliport					
Lat: 43.32528 Lon: -79.804036					
Shortest Route: Pearson			1		
Barrie Orillia_LSR:	59				59
Buttonville:	37				37
Holland Landing:	48				48
Island Airport:	25				25
Lindsay:	76				76
Oshawa:	53				53
Pearson:	22				22
Pickering:	46				46
Tillsonburg Airport					
Lat: 42.926944 Lon: -80.749722					
Shortest Route: Pearson				1	
Barrie Orillia_LSR:	97				97
Buttonville:	82				82
Holland Landing:	89				89
Island Airport:	73				73
Lindsay:	121				121
Oshawa:	101				101
Pearson:	66				66
Pickering:	92				92
Toronto CYTZ Airport					
Lat: 43.6275 Lon: -79.396111					
Shortest Route: island					
Barrie Orillia_LSR:	41				0
Buttonville:	14				0
Holland Landing:	28				0
Island Airport:	0				0
Lindsay:	52				0
Oshawa:	28				0
Pearson:	11				0
Pickering:	21				0

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Trenton					
Lat: 44.115266 Lon: -77.536662					
Shortest Route: Lindsay		8	5	6	
Barrie Orillia_LSRA:	87				1662
Buttonville:	81				1531
Holland Landing:	84				1603
Island Airport:	86				1626
Lindsay:	56				1058
Oshawa:	60				1135
Pearson:	94				1791
Pickering:	72				1359
Tyendinaga (Mohawk) Airport					
Lat: 44.184722 Lon: -77.107773					
Shortest Route: Lindsay				3	
Barrie Orillia_LSRA:	105				316
Buttonville:	99				298
Holland Landing:	103				309
Island Airport:	104				313
Lindsay:	73				218
Oshawa:	79				236
Pearson:	113				340
Pickering:	90				271
Uxbridge (Cottage Hosp) Heliport					
Lat: 44.103056 Lon: -79.128333					
Shortest Route: Pickering		12	6		
Barrie Orillia_LSRA:	22				390
Buttonville:	18				321
Holland Landing:	16				285
Island Airport:	31				554
Lindsay:	22				388
Oshawa:	15				266
Pearson:	34				604
Pickering:	10				177
Walkerton					
Lat: 44.106323 Lon: -81.146414					
Shortest Route: Barrie		2	5		
Barrie Orillia_LSRA:	69				485
Buttonville:	78				547
Holland Landing:	71				498
Island Airport:	81				567
Lindsay:	103				719
Oshawa:	98				684
Pearson:	70				493
Pickering:	86				599
Waterloo Guelph Regional Airport					
Lat: 43.455733 Lon: -80.511392					
Shortest Route: Pearson		4	3	10	
Barrie Orillia_LSRA:	65				1107
Buttonville:	55				939
Holland Landing:	58				989
Island Airport:	50				843
Lindsay:	92				1572
Oshawa:	76				1284
Pearson:	41				689
Pickering:	65				1102

	Distance (One Way)	Number of Flights			Total Miles Flown
		2001	2002	2003	
Welland Airport			1	5	
Lat: 42.979168 Lon: -79.324722					
Shortest Route: island					
Barrie Orillia_LSR:	80				477
Buttonville:	53				318
Holland Landing:	67				402
Island Airport:	39				234
Lindsay:	86				518
Oshawa:	60				358
Pearson:	44				264
Pickering:	58				349
Welland General Hospital Heliport		4	20	15	
Lat: 42.980725 Lon: -79.251162					
Shortest Route: island					
Barrie Orillia_LSR:	80				3117
Buttonville:	53				2072
Holland Landing:	67				2627
Island Airport:	39				1533
Lindsay:	85				3334
Oshawa:	59				2286
Pearson:	45				1753
Pickering:	58				2255
Warton Airport				2	
Lat: 44.745834 Lon: -81.107224					
Shortest Route: Barrie					
Barrie Orillia_LSR:	72				143
Buttonville:	92				183
Holland Landing:	80				159
Island Airport:	100				199
Lindsay:	102				204
Oshawa:	107				214
Pearson:	90				180
Pickering:	96				192
Windsor Airport		3	4	4	
Lat: 42.263532 Lon: -82.953045					
Shortest Route: Pearson					
Barrie Orillia_LSR:	192				2112
Buttonville:	184				2024
Holland Landing:	187				2054
Island Airport:	176				1940
Lindsay:	221				2435
Oshawa:	204				2241
Pearson:	169				1856
Pickering:	194				2130
Wingham		1		1	
Lat: 43.889253 Lon: -81.308842					
Shortest Route: Pearson					
Barrie Orillia_LSR:	79				159
Buttonville:	84				168
Holland Landing:	79				158
Island Airport:	84				169
Lindsay:	112				225
Oshawa:	104				209
Pearson:	74				148
Pickering:	92				184