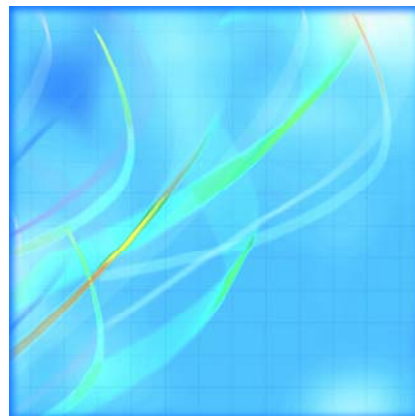


# **Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141)**



June 2011



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# Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141)

June 2011

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The following standard symbols are used in Statistics Canada publications:

- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0<sup>s</sup> value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published
- \* significantly different from reference category ( $p < 0.05$ )

## Acknowledgments

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This publication was prepared by the Aviation Statistics Centre, of the Transportation Division, Statistics Canada under the general direction of **Fred Barzyk**, Director, Transportation Division and **Norah Hillary**, Chief, Aviation Statistics Centre. **Kathie Davidson**, **Rose Krakower**, **John Scolli**, **Bev Pomfret** and **Jim Charinos** contributed to the preparation of this publication.

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## Highlights

Goose Bay, Newfoundland and Labrador, the most active site in June 2011, recorded 3,109 itinerant movements. This represented 5.7% of the total itinerant movements registered by 112 airports without air traffic control towers.

Peterborough, Ontario (2,464 movements) followed by Welland/Niagara Central, Ontario (1,706 movements) recorded the greatest number of local movements in June 2011.

**Text table 1**

**Distribution of aircraft movements at airports without control towers with the same period a year ago**

	June 2010	June 2011	Percentage change, June 2010 to June 2011	Year-to-date total		Percentage change 2010 to 2011
				2010	2011	
	number		percent	number		percent
<b>Total</b>	<b>69,794</b>	<b>69,431</b>	<b>-0.5</b>	<b>327,186</b>	<b>308,903</b>	<b>-5.6</b>
<b>Itinerant movements</b>						
Carrier	38,972	38,615	-0.9	179,482	179,621	0.1
Other commercial	1,705	1,652	-3.1	6,861	6,247	-8.9
Private	6,880	6,393	-7.1	26,641	20,943	-21.4
Government						
Civil	3,014	2,589	-14.1	11,021	9,506	-13.7
Military	1,643	1,396	-15.0	8,048	6,804	-15.5
<b>Total</b>	<b>55,641</b>	<b>54,311</b>	<b>-2.4</b>	<b>249,345</b>	<b>239,439</b>	<b>-4.0</b>
<b>Local movements</b>						
Civil	10,354	10,706	3.4	60,091	49,896	-17.0
Military	338	464	37.3	985	1,073	8.9
<b>Total</b>	<b>11,510</b>	<b>12,485</b>	<b>8.5</b>	<b>63,865</b>	<b>54,844</b>	<b>-14.1</b>
Number of airports in the survey	138	131	...	138	131	...

## Analysis

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In June 2011, the number of take-offs and landings at the 131 airports without air traffic control towers reached 69,431 movements. Goose Bay, Newfoundland and Labrador (3,109 movements) followed by Peterborough, Ontario (3,093 movements) were the most active sites. Of the 128 airports for which year-over-year comparisons were possible, increases were reported by 66 of these airports.

There were 54,311 itinerant movements (flights from one airport to another) recorded by 112 airports without air traffic control towers in June 2011. Goose Bay, Newfoundland and Labrador, the most active site, represented 5.7% of the total itinerant reported movements. It recorded 3,109 take-offs and landings, up 3.4% from 2010.

Fifty-one airports without air traffic control towers reported 12,485 local movements (flights that remain in the vicinity of the airport) in June 2011. Peterborough, Ontario (2,464 movements) followed by Welland/Niagara Central, Ontario (1,706 movements) recorded the greatest number of local movements in June 2011.

In the spring of 2011, operations at Guelph, Ontario temporarily ceased until the new owner is established.

## Related products

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### Selected publications from Statistics Canada

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51-007-X	Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations (TP 141)
51-203-X	Air Carrier Traffic at Canadian Airports
51-206-X	Canadian Civil Aviation
51-209-X	Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations: Annual Report (TP 577)
51-210-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers: Annual Report (TP 577)

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### Selected CANSIM tables from Statistics Canada

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401-0007	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA towers, monthly
401-0008	Aircraft movements, by civil and military movements, airports with NAV CANADA towers, monthly
401-0009	Itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
401-0010	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA towers, monthly
401-0011	Itinerant movements, by type of power plant, airports with NAV CANADA towers, monthly
401-0012	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA towers, monthly
401-0013	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
401-0014	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA flight service stations, monthly
401-0015	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, monthly
401-0016	Itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly

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401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
401-0019	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA flight service stations, monthly
401-0020	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
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401-0022	Monthly itinerant movements, by weight group and type of power plant, airports without air traffic control towers
401-0023	Aircraft movements, by class of operation, airports with NAV CANADA towers, annual
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401-0035	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA flight service stations, annual
401-0036	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, annual
401-0037	Annual aircraft movements, by class of operation and type of operation, airports without air traffic control towers
401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

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### **Selected surveys from Statistics Canada**

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2715	Aircraft Movement Statistics
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### **Selected summary tables from Statistics Canada**

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- *Aircraft movements by class of operation (monthly)*

# Statistical tables

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**Table 1**  
**Total aircraft movements by class of operation**

	Number of days reported for current month	Total, itinerant and local movements	Total itinerant movements	Total local movements
		number		
Akulivik, Quebec	.	188	188	0
Amos Municipal, Quebec	29	529	168	361
Arctic Bay, Nunavut	21	71	68	3
Arviat, Nunavut	29	335	335	0
Baie-Comeau, Quebec	30	1,421	1,417	4
Baker Lake, Nunavut	29	1,157	1,155	2
Barrie-Orillia-Lake Simcoe Regional, Ontario	30	2,262	672	1,590
Bathurst, New Brunswick	30	259	259	0
Beaver Creek, Yukon	29	97	97	0
Berens River, Manitoba	..	248	..	..
Bloodvein River, Manitoba	..	200	..	..
Brochet, Manitoba	..	76	..	..
Buffalo Narrows, Saskatchewan	30	909	903	6
Burwash, Yukon	26	273	273	0
Cambridge Bay, Nunavut	30	684	664	20
Cape Dorset, Nunavut	21	105	105	0
Charlo, New Brunswick	25	118	118	0
Chesterfield Inlet, Nunavut	28	174	174	0
Chevery, Quebec	25	266	266	0
Chibougamau/Chapais, Quebec	30	819	819	0
Clyde River, Nunavut	15	69	69	0
Collingwood, Ontario	30	1,491	1,058	433
Comox, British Columbia	30	1,786	1,786	0
Coral Harbour, Nunavut	30	374	365	9
Cross Lake, Manitoba	..	198	..	..
Dauphin, Manitoba	29	384	370	14
Dawson Creek, British Columbia	30	886	690	196
Déline, Northwest Territories	27	164	164	0
Digby, Nova Scotia	24	141	90	51
Drummondville, Quebec	28	1,324	366	958
Dryden Regional, Ontario	30	1,634	1,530	104
Eastmain River, Quebec	23	101	101	0
Elliot Lake Municipal, Ontario	30	507	349	158
Eureka, Nunavut	29	204	204	0
Flin Flon, Manitoba	30	681	681	0
Fort Frances Municipal, Ontario	30	811	811	0
Fort Good Hope, Northwest Territories	24	237	237	0
Fort Liard, Northwest Territories	18	109	109	0
Fort McPherson, Northwest Territories	12	67	67	0
Fort Resolution, Northwest Territories	10	27	27	0
Fort Simpson, Northwest Territories	30	263	263	0
Fort Smith, Northwest Territories	30	941	941	0
Gamëti/Rae Lakes, Northwest Territories	26	102	102	0
Gaspé, Quebec	30	380	380	0
Geraldton, Ontario	30	643	577	66
Gillam, Manitoba	30	361	361	0
Gjoa Haven, Nunavut	29	170	162	8
Gods Lake Narrows, Manitoba	..	125	..	..
Gods River, Manitoba	..	184	..	..
Goose Bay, Newfoundland and Labrador	30	3,109	3,109	0
Grise Fiord, Nunavut	9	21	21	0
Hall Beach, Nunavut	27	256	256	0
Havre St-Pierre, Quebec	30	676	676	0
Hay River, Northwest Territories	30	671	655	16
Hearst/René Fontaine Municipal, Ontario	15	75	75	0
Igloodik, Nunavut	26	110	110	0
Ilford, Manitoba	..	29	..	..
Inukjuak, Quebec	.	241	241	0
Island Lake, Manitoba	30	978	974	4
Ivujivik, Quebec	.	74	74	0
Kangiqsualujuaq, Quebec	.	105	105	0
Kangirsuk, Quebec	.	271	260	11
Kapuskasing, Ontario	30	548	364	184
Kimmirut, Nunavut	11	26	26	0
Kugaaruk, Nunavut	26	132	130	2
Kugluktuk, Nunavut	28	324	319	5
Kuujuarapik, Quebec	30	496	496	0
Lac Brochet, Manitoba	..	116	..	..

Table 1 – continued

## Total aircraft movements by class of operation

	Number of days reported for current month	Total, itinerant and local movements	Total itinerant movements	Total local movements
		number		
Little Grand Rapids, Manitoba	..	118	..	..
Lourdes-de-Blanc-Sablon, Quebec	30	634	632	2
Lutselk'e, Northwest Territories	25	141	141	0
Mayo, Yukon	30	1,105	1,105	0
Miramichi, New Brunswick	28	429	429	0
Moosonee, Ontario	30	1,640	1,640	0
Muskoka, Ontario	30	1,755	1,121	634
Nakina, Ontario	30	493	465	28
Natashquan, Quebec	29	312	312	0
Norway House, Manitoba	30	449	443	6
Old Crow, Yukon	30	201	201	0
Oxford House, Manitoba	..	236	..	..
Pabok, Quebec	19	48	48	0
Pangnirtung, Nunavut	30	217	217	0
Paulatuk, Northwest Territories	20	63	63	0
Peterborough, Ontario	30	3,093	629	2,464
Pickle Lake, Ontario	30	2,729	2,701	28
Pikwitonei, Manitoba	..	14	..	..
Pond Inlet, Nunavut	23	95	95	0
Poplar River, Manitoba	..	216	..	..
Port-Menier, Quebec	20	177	177	0
Prince Rupert/Digby Island, British Columbia	23	274	274	0
Prince Rupert/Seal Cove, British Columbia	30	1,450	1,450	0
Pukatawagan, Manitoba	..	172	..	..
Puvirnituq, Quebec	..	736	655	81
Qikiqtarjuaq, Nunavut	25	80	80	0
Quaqtaq, Quebec	..	132	131	1
Quesnel, British Columbia	30	490	480	10
Red Lake, Ontario	30	2,248	2,194	54
Red Sucker Lake, Manitoba	..	181	..	..
Repulse Bay, Nunavut	25	173	171	2
Resolute Bay, Nunavut	30	303	303	0
Rimouski, Quebec	29	459	327	132
Roberval, Quebec	29	545	475	70
Salluit, Quebec	..	236	201	35
Sandspit, British Columbia	30	724	662	62
Shamattawa, Manitoba	..	283	..	..
Sherbrooke, Quebec	30	1,462	344	1,118
South Indian Lake, Manitoba	..	62	..	..
St. Anthony, Newfoundland and Labrador	30	418	418	0
St-Augustin, Quebec	19	174	174	0
St. Theresa Point, Manitoba	30	566	562	4
Stephenville, Newfoundland and Labrador	30	273	273	0
Stony Rapids, Saskatchewan	30	1,134	1,130	4
Sydney, Nova Scotia	30	739	681	58
Tadoule Lake, Manitoba	..	133	..	..
Taloyoak, Nunavut	30	179	179	0
Tasiujaq, Quebec	..	134	134	0
Teslin, Yukon	17	93	93	0
The Pas, Manitoba	30	536	502	34
Thicket Portage, Manitoba	..	11	..	..
Tillsonburg, Ontario	..	1,773	588	1,185
Tofino, British Columbia	30	611	575	36
Trois-Rivières, Quebec	30	840	680	160
Ulukhakot/Holman, Northwest Territories	26	182	182	0
Umiujaq, Quebec	..	172	170	2
Waskaganish, Quebec	26	327	219	108
Watson Lake, Yukon	30	905	905	0
Welland/Niagara Central, Ontario	29	1,769	63	1,706
Wemindji, Quebec	21	141	141	0
Whale Cove, Nunavut	27	232	206	26
York Landing, Manitoba	..	33	..	..
Yorkton Municipal, Saskatchewan	30	1,068	838	230
<b>Total (131)</b>	<b>30</b>	<b>69,431</b>	<b>54,311</b>	<b>12,485</b>

**Table 2-1**  
**Itinerant movements by class and type of operation**

	Total itinerant movements	Domestic			International			Government	
		Carrier	Other commercial	Private	Carrier	Other commercial	Private	Civil	Military
		number							
Akulivik, Quebec	188	.	.	.	0	0	0	.	.
Amos Municipal, Quebec	168	64	33	58	0	0	0	11	2
Arctic Bay, Nunavut	68	65	1	0	0	0	0	2	0
Arviat, Nunavut	335	313	15	3	0	0	0	4	0
Baie-Comeau, Quebec	1,417	879	99	172	0	0	1	243	23
Baker Lake, Nunavut	1,155	1,127	1	20	5	0	0	2	0
Barrie-Orillia-Lake Simcoe Regional, Ontario	672	262	26	301	0	2	19	54	8
Bathurst, New Brunswick	259	198	0	23	16	0	10	6	6
Beaver Creek, Yukon	97	56	0	26	1	0	14	0	0
Buffalo Narrows, Saskatchewan	903	672	0	69	0	0	0	154	8
Burwash, Yukon	273	248	0	15	1	0	7	0	2
Cambridge Bay, Nunavut	664	616	0	34	0	0	0	12	2
Cape Dorset, Nunavut	105	102	0	0	0	0	0	3	0
Charlo, New Brunswick	118	24	8	42	1	0	29	14	0
Chesterfield Inlet, Nunavut	174	172	0	0	0	0	0	2	0
Chevery, Quebec	266	218	8	40	0	0	0	0	0
Chibougamau/Chapais, Quebec	819	666	11	87	0	0	0	49	6
Clyde River, Nunavut	69	62	3	0	0	0	0	2	2
Collingwood, Ontario	1,058	109	57	886	0	0	0	2	4
Comox, British Columbia	1,786	1,056	2	30	1	0	2	45	650
Coral Harbour, Nunavut	365	345	2	8	0	0	0	10	0
Dauphin, Manitoba	370	130	71	83	1	0	1	27	57
Dawson Creek, British Columbia	690	445	142	97	0	0	0	6	0
Déline, Northwest Territories	164	157	0	1	0	0	0	6	0
Digby, Nova Scotia	90	20	1	67	0	0	0	2	0
Drummondville, Quebec	366	72	24	260	0	0	1	0	9
Dryden Regional, Ontario	1,530	1,187	11	138	3	1	14	160	16
Eastmain River, Quebec	101	99	0	0	0	0	0	2	0
Elliot Lake Municipal, Ontario	349	233	38	48	4	0	0	16	10
Eureka, Nunavut	204	60	0	1	0	0	0	0	143
Flin Flon, Manitoba	681	552	33	35	0	0	10	51	0
Fort Frances Municipal, Ontario	811	481	23	187	8	1	101	10	0
Fort Good Hope, Northwest Territories	237	220	5	2	0	0	0	10	0
Fort Liard, Northwest Territories	109	107	0	2	0	0	0	0	0
Fort McPherson, Northwest Territories	67	57	0	4	0	0	0	6	0
Fort Resolution, Northwest Territories	27	27	0	0	0	0	0	0	0
Fort Simpson, Northwest Territories	263	251	3	7	0	0	0	2	0
Fort Smith, Northwest Territories	941	876	0	17	0	0	0	44	4
Gamëti/Rae Lakes, Northwest Territories	102	100	0	0	0	0	0	2	0
Gaspé, Quebec	380	278	16	36	0	0	0	48	2
Geraldton, Ontario	577	400	52	29	0	0	0	68	28
Gillam, Manitoba	361	303	0	47	0	0	0	11	0
Gjoa Haven, Nunavut	162	149	3	6	0	0	0	2	2
Goose Bay, Newfoundland and Labrador	3,109	2,156	109	123	143	29	272	154	123
Grise Fiord, Nunavut	21	21	0	0	0	0	0	0	0
Hall Beach, Nunavut	256	248	2	6	0	0	0	0	0
Havre St-Pierre, Quebec	676	573	34	34	0	0	2	28	5
Hay River, Northwest Territories	655	584	0	28	0	0	1	42	0
Hearst/René Fontaine Municipal, Ontario	75	62	3	9	0	0	0	1	0
Igloolik, Nunavut	110	98	3	1	0	0	0	8	0
Inukjuak, Quebec	241	.	.	.	.	.	.	.	.
Island Lake, Manitoba	974	942	0	8	0	0	0	24	0
Ivujivik, Quebec	74	.	.	.	.	.	.	.	.
Kangiqsualujuaq, Quebec	105	.	.	.	.	.	.	.	.
Kangirsuk, Quebec	260	.	.	.	.	.	.	.	.
Kapuskasing, Ontario	364	348	0	12	0	0	0	4	0
Kimirut, Nunavut	26	24	0	0	0	0	0	2	0
Kugaaruk, Nunavut	130	126	0	4	0	0	0	0	0
Kugluktuk, Nunavut	319	303	6	4	0	0	0	4	2
Kuujuarapik, Quebec	496	496	0	0	0	0	0	0	0
Louderes-de-Blanc-Sablon, Quebec	632	515	73	12	1	0	0	29	2
Lutsel'e, Northwest Territories	141	141	0	0	0	0	0	0	0
Mayo, Yukon	1,105	1,083	2	18	0	0	0	2	0
Miramichi, New Brunswick	429	180	37	82	0	0	4	115	11
Moosonee, Ontario	1,640	1,577	5	27	0	0	0	31	0
Muskoka, Ontario	1,121	449	104	460	24	0	34	25	25
Nakina, Ontario	465	416	16	6	0	0	0	27	0

Table 2-1 – continued

## Itinerant movements by class and type of operation

	Total itinerant movements	Domestic			International			Government	
		Carrier	Other commercial	Private	Carrier	Other commercial	Private	Civil	Military
		number							
Natashquan, Quebec	312	258	16	28	0	0	0	10	0
Norway House, Manitoba	443	377	0	20	0	0	0	44	2
Old Crow, Yukon	201	183	0	5	9	0	0	4	0
Pabok, Quebec	48	11	4	1	0	0	0	32	0
Pangnirtung, Nunavut	217	201	6	1	0	0	1	8	0
Paulatuk, Northwest Territories	63	60	0	2	0	0	0	1	0
Peterborough, Ontario	629	158	78	373	0	0	0	8	12
Pickle Lake, Ontario	2,701	2,237	160	75	0	0	4	225	0
Pond Inlet, Nunavut	95	81	8	4	0	0	0	0	2
Port-Menier, Quebec	177	155	21	1	0	0	0	0	0
Prince Rupert/Digby Island, British Columbia	274	274	0	0	0	0	0	0	0
Prince Rupert/Seal Cove, British Columbia	1,450	1,241	0	82	2	0	16	103	6
Puvirnituq, Quebec	655	.	.	.	.	.	.	.	.
Qikiqtarjuaq, Nunavut	80	75	0	3	0	0	0	0	2
Quaqtaq, Quebec	131	.	.	.	.	.	.	.	.
Quesnel, British Columbia	480	261	6	201	0	0	0	12	0
Red Lake, Ontario	2,194	1,922	10	134	2	0	26	88	12
Repulse Bay, Nunavut	171	162	0	1	0	0	0	8	0
Resolute Bay, Nunavut	303	283	3	0	0	1	0	0	16
Rimouski, Quebec	327	58	2	255	0	0	0	10	2
Roberval, Quebec	475	330	26	79	0	0	0	38	2
Salluit, Quebec	201	.	.	.	.	.	.	.	.
Sandspit, British Columbia	662	559	0	72	0	0	0	28	3
Sherbrooke, Quebec	344	73	37	198	2	0	13	9	12
St. Anthony, Newfoundland and Labrador	418	334	2	28	0	0	0	44	10
St-Augustin, Quebec	174	111	9	54	0	0	0	0	0
St. Theresa Point, Manitoba	562	558	0	4	0	0	0	0	0
Stephenville, Newfoundland and Labrador	273	164	3	10	6	4	41	17	28
Stony Rapids, Saskatchewan	1,130	1,043	8	26	0	0	2	51	0
Sydney, Nova Scotia	681	526	14	40	0	0	6	30	65
Taloyoak, Nunavut	179	169	0	2	0	0	0	8	0
Tasiujaq, Quebec	134	.	.	.	.	.	.	.	.
Teslin, Yukon	93	18	2	73	0	0	0	0	0
The Pas, Manitoba	502	376	2	28	2	0	2	86	6
Tillsonburg, Ontario	588	..	..	..	..	..	..	..	..
Tofino, British Columbia	575	300	30	129	2	0	7	93	14
Trois-Rivières, Quebec	680	350	48	270	0	0	0	8	4
Uluksuk/Holman, Northwest Territories	182	154	2	26	0	0	0	0	0
Umiujaq, Quebec	170	.	.	.	.	.	.	.	.
Waskaganish, Quebec	219	211	0	6	0	0	0	2	0
Watson Lake, Yukon	905	641	6	239	1	0	0	2	16
Welland/Niagara Central, Ontario	63	2	4	48	0	0	5	4	0
Wemindji, Quebec	141	132	4	3	0	0	0	2	0
Whale Cove, Nunavut	206	201	0	0	1	0	0	4	0
Yorkton Municipal, Saskatchewan	838	566	59	157	0	0	0	26	30
<b>Total (112)</b>	<b>54,311</b>	<b>38,615</b>	<b>1,652</b>	<b>6,393</b>	<b>236</b>	<b>38</b>	<b>645</b>	<b>2,589</b>	<b>1,396</b>

**Table 2-2**  
**Itinerant movements by type of power plant**

	Total itinerant movements	Aircraft			Helicopters	Gliders
		Jet	Turbo	Piston		
		number				
Akulivik, Quebec	188	.	.	.	.	..
Amos Municipal, Quebec	168	12	49	88	19	0
Arctic Bay, Nunavut	68	0	58	4	6	0
Arviat, Nunavut	335	0	286	32	17	0
Baie-Comeau, Quebec	1,417	41	716	438	222	0
Baker Lake, Nunavut	1,155	0	466	229	460	0
Barrie-Orillia-Lake Simcoe Regional, Ontario	672	16	74	408	173	1
Bathurst, New Brunswick	259	0	143	97	19	0
Beaver Creek, Yukon	97	0	2	38	57	0
Buffalo Narrows, Saskatchewan	903	0	561	223	119	0
Burwash, Yukon	273	0	4	42	227	0
Cambridge Bay, Nunavut	664	101	466	15	82	0
Cape Dorset, Nunavut	105	0	102	0	3	0
Charlo, New Brunswick	118	45	32	37	4	0
Chesterfield Inlet, Nunavut	174	0	171	2	1	0
Chevery, Quebec	266	0	256	6	4	0
Chibougamau/Chapais, Quebec	819	12	488	270	49	0
Clyde River, Nunavut	69	0	67	0	2	0
Collingwood, Ontario	1,058	19	33	938	58	10
Comox, British Columbia	1,786	237	901	340	236	72
Coral Harbour, Nunavut	365	0	287	0	78	0
Dauphin, Manitoba	370	13	136	193	28	0
Dawson Creek, British Columbia	690	15	283	256	136	0
Déline, Northwest Territories	164	0	121	37	6	0
Digby, Nova Scotia	90	0	0	75	15	0
Drummondville, Quebec	366	0	4	286	72	4
Dryden Regional, Ontario	1,530	54	668	544	264	0
Eastmain River, Quebec	101	0	97	4	0	0
Elliot Lake Municipal, Ontario	349	2	210	97	40	0
Eureka, Nunavut	204	0	104	1	99	0
Flin Flon, Manitoba	681	22	473	153	33	0
Fort Frances Municipal, Ontario	811	26	419	360	6	0
Fort Good Hope, Northwest Territories	237	0	110	75	52	0
Fort Liard, Northwest Territories	109	0	12	18	78	1
Fort McPherson, Northwest Territories	67	0	65	2	0	0
Fort Resolution, Northwest Territories	27	0	17	8	2	0
Fort Simpson, Northwest Territories	263	2	143	112	6	0
Fort Smith, Northwest Territories	941	4	497	278	162	0
Gamëti/Rae Lakes, Northwest Territories	102	0	92	8	2	0
Gaspé, Quebec	380	16	298	60	6	0
Geraldton, Ontario	577	24	200	318	35	0
Gillam, Manitoba	361	0	134	223	4	0
Gjoa Haven, Nunavut	162	2	147	4	9	0
Goose Bay, Newfoundland and Labrador	3,109	497	1,864	130	618	0
Grise Fiord, Nunavut	21	0	21	0	0	0
Hall Beach, Nunavut	256	8	137	0	111	0
Havre St-Pierre, Quebec	676	5	316	185	170	0
Hay River, Northwest Territories	655	18	413	216	8	0
Hearst/René Fontaine Municipal, Ontario	75	3	50	15	7	0
Igloolik, Nunavut	110	0	108	0	2	0
Inukjuak, Quebec	241	.	.	.	.	..
Island Lake, Manitoba	974	4	675	80	215	0
Ivujivik, Quebec	74	.	.	.	.	..
Kangiqsualujuaq, Quebec	105	.	.	.	.	..
Kangirsuk, Quebec	260	.	.	.	.	..
Kapuskasing, Ontario	364	4	336	10	14	0
Kimmirut, Nunavut	26	0	26	0	0	0
Kugaaruk, Nunavut	130	10	73	6	41	0
Kugluktuk, Nunavut	319	74	222	6	17	0
Kuujuarapik, Quebec	496	2	479	0	15	0
Lourdes-de-Blanc-Sablon, Quebec	632	2	556	47	27	0
Lutselk'e, Northwest Territories	141	0	94	41	6	0
Mayo, Yukon	1,105	0	589	271	245	0
Miramichi, New Brunswick	429	13	102	308	6	0
Moosonee, Ontario	1,640	0	918	553	169	0
Muskoka, Ontario	1,121	53	192	793	83	0
Nakina, Ontario	465	0	325	4	136	0
Natashquan, Quebec	312	0	156	44	112	0



Table 2-2 – continued

## Itinerant movements by type of power plant

	Total itinerant movements	Aircraft			Helicopters	Gliders
		Jet	Turbo	Piston		
		number				
Norway House, Manitoba	443	0	379	59	5	0
Old Crow, Yukon	201	0	184	7	10	0
Pabok, Quebec	48	8	28	12	0	0
Pangnirtung, Nunavut	217	0	202	0	15	0
Paulatuk, Northwest Territories	63	0	49	8	6	0
Peterborough, Ontario	629	44	41	493	50	1
Pickle Lake, Ontario	2,701	4	1,601	229	867	0
Pond Inlet, Nunavut	95	0	76	5	14	0
Port-Menier, Quebec	177	0	53	123	1	0
Prince Rupert/Digby Island, British Columbia	274	0	64	210	0	0
Prince Rupert/Seal Cove, British Columbia	1,450	0	289	872	289	0
Puvirnituq, Quebec	655	.	.	.	.	..
Qikiqtarjuaq, Nunavut	80	0	73	1	6	0
Quaqtaq, Quebec	131	.	.	.	.	..
Quesnel, British Columbia	480	26	216	174	64	0
Red Lake, Ontario	2,194	28	1,343	736	87	0
Repulse Bay, Nunavut	171	0	146	23	2	0
Resolute Bay, Nunavut	303	2	246	14	41	0
Rimouski, Quebec	327	8	37	271	11	0
Roberval, Quebec	475	2	113	259	101	0
Salluit, Quebec	201	.	.	.	.	..
Sandspit, British Columbia	662	22	154	14	472	0
Sherbrooke, Quebec	344	13	14	294	23	0
St. Anthony, Newfoundland and Labrador	418	20	342	22	34	0
St-Augustin, Quebec	174	2	163	5	4	0
St. Theresa Point, Manitoba	562	0	401	110	51	0
Stephenville, Newfoundland and Labrador	273	59	118	23	73	0
Stony Rapids, Saskatchewan	1,130	4	693	375	58	0
Sydney, Nova Scotia	681	150	397	72	57	5
Taloyoak, Nunavut	179	2	149	0	28	0
Tasiujaq, Quebec	134	.	.	.	.	..
Teslin, Yukon	93	0	0	73	20	0
The Pas, Manitoba	502	17	242	180	63	0
Tillsonburg, Ontario	588	..	..	..	..	..
Tofino, British Columbia	575	10	105	315	145	0
Trois-Rivières, Quebec	680	22	32	574	52	0
Ulukhakt/Holman, Northwest Territories	182	0	120	10	52	0
Umiujaq, Quebec	170	.	.	.	.	..
Waskaganish, Quebec	219	0	202	16	1	0
Watson Lake, Yukon	905	1	89	359	456	0
Welland/Niagara Central, Ontario	63	0	0	58	0	5
Wemindji, Quebec	141	0	128	7	6	0
Whale Cove, Nunavut	206	0	157	16	33	0
Yorkton Municipal, Saskatchewan	838	10	145	600	83	0
<b>Total (112)</b>	<b>54,311</b>	<b>1,810</b>	<b>25,835</b>	<b>15,647</b>	<b>8,173</b>	<b>99</b>

**Table 2-3**  
**Itinerant movements by aircraft weight groups**

	Total itinerant movements	Maximum take-off weight in kilograms						
		2,000 and under	2,001 to 4,000	4,001 to 5,670	5,671 to 9,000	9,001 to 18,000	18,001 to 35,000	35,001 and over
		number						
Akulivik, Quebec	188	.	..	..	.	.	.	.
Amos Municipal, Quebec	168	96	9	49	2	0	12	0
Arctic Bay, Nunavut	68	8	2	15	0	42	1	0
Arviat, Nunavut	335	48	22	25	2	108	130	0
Baie-Comeau, Quebec	1,417	272	406	421	118	147	53	0
Baker Lake, Nunavut	1,155	463	248	93	43	65	228	15
Barrie-Orillia-Lake Simcoe Regional, Ontario	672	503	73	76	10	6	4	0
Bathurst, New Brunswick	259	48	66	32	6	62	45	0
Beaver Creek, Yukon	97	90	3	4	0	0	0	0
Buffalo Narrows, Saskatchewan	903	129	109	492	99	1	73	0
Burwash, Yukon	273	263	2	8	0	0	0	0
Cambridge Bay, Nunavut	664	33	66	278	39	50	114	84
Cape Dorset, Nunavut	105	3	0	30	2	28	42	0
Charlo, New Brunswick	118	34	9	25	19	22	9	0
Chesterfield Inlet, Nunavut	174	1	2	24	10	18	119	0
Chevery, Quebec	266	4	6	88	162	4	2	0
Chibougamau/Chapais, Quebec	819	234	134	231	39	130	51	0
Clyde River, Nunavut	69	2	0	12	0	29	26	0
Collingwood, Ontario	1,058	972	50	14	10	2	7	3
Comox, British Columbia	1,786	349	106	64	497	374	132	264
Coral Harbour, Nunavut	365	76	32	62	36	130	29	0
Dauphin, Manitoba	370	185	26	132	9	18	0	0
Dawson Creek, British Columbia	690	378	10	45	171	81	5	0
Déline, Northwest Territories	164	17	44	45	36	0	22	0
Digby, Nova Scotia	90	88	2	0	0	0	0	0
Drummondville, Quebec	366	338	16	12	0	0	0	0
Dryden Regional, Ontario	1,530	310	434	574	24	122	42	24
Eastmain River, Quebec	101	2	2	9	6	80	2	0
Elliot Lake Municipal, Ontario	349	94	95	132	20	8	0	0
Eureka, Nunavut	204	0	5	181	2	0	2	14
Flin Flon, Manitoba	681	73	105	335	42	105	21	0
Fort Frances Municipal, Ontario	811	224	227	321	35	2	2	0
Fort Good Hope, Northwest Territories	237	102	69	42	4	2	18	0
Fort Liard, Northwest Territories	109	64	11	34	0	0	0	0
Fort McPherson, Northwest Territories	67	2	0	24	0	0	41	0
Fort Resolution, Northwest Territories	27	3	9	11	0	0	4	0
Fort Simpson, Northwest Territories	263	95	61	53	7	14	33	0
Fort Smith, Northwest Territories	941	370	139	102	289	0	37	4
Gamëti/Rae Lakes, Northwest Territories	102	2	48	39	0	2	11	0
Gaspé, Quebec	380	39	27	27	6	235	46	0
Geraldton, Ontario	577	81	305	115	14	6	56	0
Gillam, Manitoba	361	50	176	29	0	80	26	0
Gjoa Haven, Nunavut	162	7	13	20	8	57	57	0
Goose Bay, Newfoundland and Labrador	3,109	453	264	1,046	329	619	288	110
Grise Fiord, Nunavut	21	0	0	19	2	0	0	0
Hall Beach, Nunavut	256	49	5	98	3	42	51	8
Havre St-Pierre, Quebec	676	158	304	107	44	37	26	0
Hay River, Northwest Territories	655	38	138	120	99	113	137	10
Hearst/René Fontaine Municipal, Ontario	75	6	18	47	0	3	1	0
Igloolik, Nunavut	110	2	0	20	6	44	38	0
Inukjuak, Quebec	241	.	..	..	.	.	.	.
Island Lake, Manitoba	974	276	17	504	6	135	36	0
Ivujivik, Quebec	74	.	..	..	.	.	.	.
Kangiqsualujuaq, Quebec	105	.	..	..	.	.	.	.
Kangirsuk, Quebec	260	.	..	..	.	.	.	.
Kapuskasing, Ontario	364	16	50	270	4	20	4	0
Kimirut, Nunavut	26	0	0	24	0	2	0	0
Kugaaruk, Nunavut	130	9	16	44	3	22	27	9
Kugluktuk, Nunavut	319	21	6	80	6	30	106	70
Kuujuaq, Quebec	496	15	0	239	6	74	160	2
Lourdes-de-Blanc-Sablon, Quebec	632	26	46	323	112	119	6	0
Lutselk'e, Northwest Territories	141	6	87	38	4	2	4	0
Mayo, Yukon	1,105	244	573	278	0	0	10	0
Miramichi, New Brunswick	429	157	155	62	42	7	2	4
Moosonee, Ontario	1,640	393	258	629	193	112	55	0
Muskoka, Ontario	1,121	798	89	130	62	20	15	7
Nakina, Ontario	465	104	209	125	27	0	0	0

Table 2-3 – continued

## Itinerant movements by aircraft weight groups

	Total itinerant movements	Maximum take-off weight in kilograms						number
		2,000 and under	2,001 to 4,000	4,001 to 5,670	5,671 to 9,000	9,001 to 18,000	18,001 to 35,000	
Natashquan, Quebec	312	128	28	82	72	2	0	0
Norway House, Manitoba	443	37	27	373	6	0	0	0
Old Crow, Yukon	201	13	4	8	0	0	174	2
Pabok, Quebec	48	10	2	4	0	24	8	0
Pangnirtung, Nunavut	217	13	0	54	0	66	84	0
Paulatuk, Northwest Territories	63	9	1	47	0	4	2	0
Peterborough, Ontario	629	488	44	30	37	7	19	4
Pickle Lake, Ontario	2,701	673	1,047	411	205	4	361	0
Pond Inlet, Nunavut	95	15	4	27	7	42	0	0
Port-Menier, Quebec	177	1	123	18	31	4	0	0
Prince Rupert/Digby Island, British Columbia	274	0	273	1	0	0	0	0
Prince Rupert/Seal Cove, British Columbia	1,450	231	1,103	110	0	6	0	0
Puvirnituq, Quebec	655	.	.	.	.	.	.	.
Qikiqtarjuaq, Nunavut	80	2	1	32	1	15	29	0
Quaqtaq, Quebec	131	.	.	.	.	.	.	.
Quesnel, British Columbia	480	220	19	7	234	0	0	0
Red Lake, Ontario	2,194	383	856	442	210	162	135	6
Repulse Bay, Nunavut	171	23	1	38	6	72	31	0
Resolute Bay, Nunavut	303	7	31	128	6	12	63	56
Rimouski, Quebec	327	207	73	36	0	2	9	0
Roberval, Quebec	475	266	96	72	2	1	38	0
Salluit, Quebec	201	.	.	.	.	.	.	.
Sandspit, British Columbia	662	149	17	346	32	60	40	18
Sherbrooke, Quebec	344	290	24	19	2	3	6	0
St. Anthony, Newfoundland and Labrador	418	38	7	174	53	132	14	0
St-Augustin, Quebec	174	3	6	62	99	0	2	2
St. Theresa Point, Manitoba	562	142	20	250	2	118	30	0
Stephenville, Newfoundland and Labrador	273	61	15	11	14	88	60	24
Stony Rapids, Saskatchewan	1,130	65	354	369	183	136	21	2
Sydney, Nova Scotia	681	76	74	57	12	318	81	63
Taloyoak, Nunavut	179	26	8	34	4	61	46	0
Tasiujaq, Quebec	134	.	.	.	.	.	.	.
Teslin, Yukon	93	93	0	0	0	0	0	0
The Pas, Manitoba	502	74	152	121	17	95	43	0
Tillsonburg, Ontario	588	.	.	.	.	.	.	.
Tofino, British Columbia	575	200	233	62	24	44	6	6
Trois-Rivières, Quebec	680	512	120	20	4	10	4	10
Ulukhakot/Holman, Northwest Territories	182	52	10	65	4	2	49	0
Umiujaq, Quebec	170	.	.	.	.	.	.	.
Waskaganish, Quebec	219	15	2	12	20	168	2	0
Watson Lake, Yukon	905	554	177	102	62	0	1	9
Welland/Niagara Central, Ontario	63	48	15	0	0	0	0	0
Wemindji, Quebec	141	9	4	49	10	67	2	0
Whale Cove, Nunavut	206	49	0	21	2	4	130	0
Yorkton Municipal, Saskatchewan	838	437	223	154	22	2	0	0
<b>Total (112)</b>	<b>54,311</b>	<b>14,542</b>	<b>10,598</b>	<b>12,376</b>	<b>4,098</b>	<b>5,162</b>	<b>3,958</b>	<b>830</b>

**Table 3**  
**Local movements by type of operation**

	Total local movements	Local civil movements	Local military movements
	number		
Amos Municipal, Quebec	361	361	0
Arctic Bay, Nunavut	3	3	0
Baie-Comeau, Quebec	4	4	0
Baker Lake, Nunavut	2	2	0
Barrie-Orillia-Lake Simcoe Regional, Ontario	1,590	1,590	0
Buffalo Narrows, Saskatchewan	6	6	0
Cambridge Bay, Nunavut	20	20	0
Collingwood, Ontario	433	432	1
Coral Harbour, Nunavut	9	9	0
Dauphin, Manitoba	14	14	0
Dawson Creek, British Columbia	196	196	0
Digby, Nova Scotia	51	51	0
Drummondville, Quebec	958	544	414
Dryden Regional, Ontario	104	104	0
Elliot Lake Municipal, Ontario	158	158	0
Geraldton, Ontario	66	66	0
Gjoa Haven, Nunavut	8	8	0
Hay River, Northwest Territories	16	16	0
Island Lake, Manitoba	4	4	0
Kangirsuk, Quebec	11	.	.
Kapuskasing, Ontario	184	184	0
Kugaaruk, Nunavut	2	2	0
Kugluktuk, Nunavut	5	5	0
Lourdes-de-Blanc-Sablon, Quebec	2	2	0
Muskoka, Ontario	634	634	0
Nakina, Ontario	28	28	0
Norway House, Manitoba	6	6	0
Peterborough, Ontario	2,464	2,464	0
Pickle Lake, Ontario	28	28	0
Puvirnituq, Quebec	81	.	.
Quaqtaq, Quebec	1	.	.
Quesnel, British Columbia	10	10	0
Red Lake, Ontario	54	36	18
Repulse Bay, Nunavut	2	2	0
Rimouski, Quebec	132	132	0
Roberval, Quebec	70	70	0
Salluit, Quebec	35	.	.
Sandspit, British Columbia	62	62	0
Sherbrooke, Quebec	1,118	1,118	0
St. Theresa Point, Manitoba	4	4	0
Stony Rapids, Saskatchewan	4	4	0
Sydney, Nova Scotia	58	58	0
The Pas, Manitoba	34	34	0
Tillsonburg, Ontario	1,185	..	..
Tofino, British Columbia	36	8	28
Trois-Rivières, Quebec	160	157	3
Umiujaq, Quebec	2	.	.
Waskaganish, Quebec	108	108	0
Welland/Niagara Central, Ontario	1,706	1,706	0
Whale Cove, Nunavut	26	26	0
Yorkton Municipal, Saskatchewan	230	230	0
<b>Total (51)</b>	<b>12,485</b>	<b>10,706</b>	<b>464</b>

# Methodology

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## Airports without air traffic control towers

### Survey universe

The statistics in this publication reflect the number of aircraft movements reported to the Aviation Statistics Centre (ASC) by airport and carrier personnel, members of flying clubs and employees of various levels of government at airports without control towers across Canada. There are approximately 6,000 aerodromes in Canada, including land (runways and/or heliports) and water facilities. Of these, approximately 1,300 are airports operating under licences issued by Transport Canada (including those listed in 51-007-X and most of those listed in this publication). Criteria for inclusion in this publication are the size and scope of operation and the importance in establishing regional traffic patterns.

### Coverage

The statistics appearing in this publication were compiled in most cases from daily air traffic records received by the ASC. The data for 19 of Manitoba's airports are submitted by the Department of Highways and Transportation of the Manitoba Government on the Manitoba airport activity summary (See Factors influencing the data in Appendix I).

The daily air traffic records (Form 06-0065) are designed to capture three data items for each aircraft arrival and/or departure for itinerant movements, and two items for local movements. Section A of the record dealing with itinerant movements reports the following information for each movement:

- (a) the aircraft registration or air carrier code and flight number;
- (b) the aircraft type;
- (c) the last station before landing at the reporting airport or the next station after take-off.

Section B of the record provides for the reporting of the number of local civil and local military movements for each day.

Due to revisions, the sum of totals released in this report may not equal the annual totals published in Aircraft Movement Statistics: Airports Without Air Traffic Control Towers: Annual Report (TP 577) - 51-210-X.

The daily air traffic records are completed on a daily basis and mailed or sent electronically to the Aviation Statistics Centre where they are registered and edited for clarity and reliability. Survey respondents are contacted by telephone to follow up for non-response.

The Aviation Statistics Centre maintains a data base of parameter files of current information on all registered aircraft. Other parameter file information includes registered aircraft identifications and their corresponding aircraft types, gross take-off weights, types of power plant (piston, jet or turboprop); whether the aircraft are fixed wing, helicopters or gliders. This information also provides a basis for identifying type of flight (commercial, private and government) and the geographical area in which the flight takes place. The storage of this information allows for a reduction in the reporting burden of the survey respondents and limits the element of human error associated with the preparation of source documents.

## Data quality and limitations

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Although every effort is made to ensure the quality of the data, the statistics relative to airports where there is no air traffic control tower or flight service station should be used with due consideration for their limitations.

The validity of the source data reported is controlled through the use of computerized edit programs. Identified errors originating with the source documents or with data transmission are manually corrected by Aviation Statistics Centre editing staff.

To help respondents maintain a high level of accuracy in reporting, the Aviation Statistics Centre issues instructions explaining the various concepts of the required source data and the method of completing the forms. Respondents are also furnished with an "Air traffic designators" handbook (TP 143) showing the official Transport Canada aircraft type designators and the designators of various domestic and international air carriers. This handbook and another titled "Canada Flight Supplement" listing various airport codes, serve as reference to ensure the reporting of the proper aircraft identity and the last stop or next stop of flights at reporting airports.

At airports without towers or flight service stations, survey respondents, in performing their various assignments, are not always aware of all aircraft movements at their airport. For example, at small airports the airport manager may be responsible for both the administration and maintenance of the station facilities. At some airports the Daily air traffic records are filed by flying club managers who may not be completely familiar with other activities at other areas of the airport.

At airports with flying school operations it is sometimes difficult to record each individual local aircraft movement. In such cases, the Aviation Statistics Centre would advise the airport manager to report local movements based on hours expended in flying training operations. Observations have shown that, on average, six circuits can be made during each hour of flying training. Therefore, 12 local aircraft movements would be counted for each hour of flying training. At stations where the circuits demand a different norm, the respondent will make corrections accordingly.

# Appendix I

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## Factors influencing the data

1. Aggregate data only are available for the 19 airports reported by the Manitoba Department of Highways and Transportation listed below.

Berens River	Pikwitonei
Bloodvein River	Poplar River
Brochet	Pukatawagan
Cross Lake	Red Sucker Lake
Gods Lake Narrows	Shamattawa
Gods River	South Indian Lake
Ilford	Tadoule Lake
Lac Brochet	Thicket Portage
Little Grand Rapids	York Landing
Oxford House	

2. Aggregate data only are available for the 12 airports reported by the Kativik Regional Government in Quebec listed below.

Akulivik	Kangirsuk
Aupaluk	Puvirnituq
Inukjuak	Quaqtaq
Ivujivik	Salluit
Kangiqsualujjuaq	Tasiujaq
Kangiqsujuaq	Umiujaq

3. Aggregate data only are available for Tillsonburg, Ontario.

4. When comparing monthly data for current year versus previous year, please note that:

a) Data for the following airports were included in the report for June, 2010 but were not available in June, 2011:

1. Bromont, Quebec
2. Dawson, Yukon
3. Faro, Yukon
4. Guelph, Ontario
5. Sanikiluaq, Nunavut
6. Tuktoyaktuk, Northwest Territories
7. Tulita, Northwest Territories
8. Wrigley, Northwest Territories

b) Data for the following airports are included in June, 2011 but not in June, 2010:

1. Clyde River, Nunavut
2. Eastmain River, Quebec
3. Ulukhakot/Holman, Northwest Territories
5. In January 2011, the airport at Nanisivik, Nunavut was closed due to cessation of mining operations. A new airport was opened at Arctic Bay, Nunavut.



## Appendix II

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### Glossary of terms

#### Air carrier

Aircraft operators, licensed by the Canadian Transportation Agency to transport persons, mail and/or goods by air.

–**Level I.** Effective 2010, this includes every Canadian air carrier that, in the calendar year immediately preceding the reporting year, transported at least 2 million revenue passengers or at least 400 thousand tonnes of cargo.

–**Level II.** Effective 2010, this includes every Canadian air carrier that, in the calendar year immediately preceding the reporting year, transported at least 100 thousand, but fewer than 2 million revenue passengers, or at least 50 thousand but less than 400 thousand tonnes of cargo.

–**Level III.** Effective 2010, this includes every Canadian air carrier not classified in reporting level I or II that, in the calendar year immediately preceding the reporting year, realized gross revenues of at least 2 million dollars for the provision of air services for which the air carrier held a licence.

–**Level IV.** Effective 2010, this includes every Canadian air carrier not classified in reporting level I, II or III that, in the calendar year immediately preceding the reporting year, realized gross revenues of less than 2 million dollars for the provision of air services for which the air carrier held a licence.

#### Aircraft movement

A take off, a landing, or a simulated approach by an aircraft. ATC Manops amendment 8-8-83. NC-703.

#### Class of operation

Aircraft movements are classified as either "Itinerant" or "Local".

#### Commercial

Flights by aircraft operators licensed by the Canadian Transportation Agency to perform commercial air services. Commercial operations are divided into two categories: Air carrier and Other commercial.

#### Domestic itinerant movements

Movements, at a Canadian airport, of aircraft departing to or arriving from another point in Canada.

#### FSS

Flight service station.

## **Government-Civil**

Aircraft owned by federal, provincial and municipal bodies as well as foreign states, but excluding those owned by crown corporations, boards and commissions. Such aircraft are coded "3" under "Purpose" in the Canadian civil aircraft register.

## **Government-Military**

Aircraft of any branch of the armed forces of any nation.

## **I.F.R. flight**

A flight conducted in accordance with Instrument Flight Rules.

## **International movements**

Movements, at a Canadian airport, of aircraft arriving from or departing to a point outside Canada. International movements are subclassified into "transborder" (to or from a point in the United States including Alaska, Hawaii, and Puerto Rico), and "other international" (to or from points in countries other than Canada and the United States). Since aircraft movements are reported on the basis of place "arrived from" or "departed to", an arrival at Halifax airport from London, England would appear under "other international". If the same aircraft moved on to Toronto, both the departure at Halifax and the arrival at Toronto would be shown as "domestic".

## **Itinerant movements**

At airports with control towers and/or flight service stations: for the purpose of completing air traffic records, itinerant movements are considered as movements in which aircraft proceed to or arrive from another location; or where aircraft leave the circuit but return without landing at another airport. At airports without control towers: an aircraft movement in which the aircraft arrives from or departs to a point other than the reporting airport; or a movement by an aircraft that leaves the close proximity of an airport and returns without landing at another airport.

## **Local movements**

At airports with control towers and/or flight service stations: for the purpose of completing air traffic records, local movements are considered as movements in which the aircraft remains in the circuit. At airports without control towers: an aircraft movement in which the aircraft remains in the close proximity of the airport. Local movements are often carried out during training flights (touch-and-go), equipment tests, etc.

## **Maximum take-off weight**

The maximum weight for which the aircraft is licensed to operate. For operational purposes, all weights are rounded upwards to the next 1,000 kilograms. Thus 3,200 kilograms becomes 4,000 kilograms.

## **Other commercial**

Flights performed by Commercial aircraft operators not included in the Air carrier categories. Flying schools, agricultural sprayers, water-bombers, aerial photography and survey, etc.

## **Power plant**

The source of propulsion. For example, piston engines, turbo-propellers and jet engines. "Helicopters", in this report, include both piston and turboshaft-driven engines.

## **Private aircraft**

Aircraft used solely for private purposes, not for hire and compensation, which are classified as "Private" or "Private Restricted" in the Canadian civil aircraft register or similar registries of other countries. Owners include individuals, groups and business firms.

## **Runway 88**

Through control zone flights, i.e. flights which communicate with the tower while transiting the tower control zone to another destination without landing at the reporting airport.

Data for these runways are not included in the grand total.

## **Simulated approaches**

Movements that are either missed instrument or practice instrument approaches without landing.

## **TC**

Transport Canada.

## **Tower control zone**

A controlled airspace within the proximity of an air traffic control tower, usually within a radius of less than 24 kilometres of the tower.

## **V.F.R. flight**

A flight conducted in accordance with Visual Flight Rules.

## **Weight group**

The classification of weight classes in groups for statistical purposes.