

Catalogue no. 51-007-X

Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations (TP 141)



August 2011

 Statistics Canada Statistique Canada

Canada

How to obtain more information

For information about this product or the wide range of services and data available from Statistics Canada, visit our website at www.statcan.gc.ca, e-mail us at infostats@statcan.gc.ca, or telephone us, Monday to Friday from 8:30 a.m. to 4:30 p.m., at the following numbers:

Statistics Canada's National Contact Centre

Toll-free telephone (Canada and the United States):

Inquiries line	1-800-263-1136
National telecommunications device for the hearing impaired	1-800-363-7629
Fax line	1-877-287-4369

Local or international calls:

Inquiries line	1-613-951-8116
Fax line	1-613-951-0581

Depository Services Program

Inquiries line	1-800-635-7943
Fax line	1-800-565-7757

To access this product

This product, Catalogue no. 51-007-X, is available free in electronic format. To obtain a single issue, visit our website at www.statcan.gc.ca and browse by "Key resource" > "Publications."

Standards of service to the public

Statistics Canada is committed to serving its clients in a prompt, reliable and courteous manner. To this end, Statistics Canada has developed *standards of service* that its employees observe. To obtain a copy of these service standards, please contact Statistics Canada toll-free at 1-800-263-1136. The service standards are also published on www.statcan.gc.ca under "About us" > "The agency" > "Providing services to Canadians."

Statistics Canada
Transportation Division

Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations (TP 141)

August 2011

Published by authority of the Minister responsible for Statistics Canada

© Minister of Industry, 2011 and the © Minister of Transport, 2011

All rights reserved. The content of this electronic publication may be reproduced, in whole or in part, and by any means, without further permission from Statistics Canada, subject to the following conditions: that it be done solely for the purposes of private study, research, criticism, review or newspaper summary, and/or for non-commercial purposes; and that Statistics Canada be fully acknowledged as follows: Source (or "Adapted from", if appropriate): Statistics Canada, year of publication, name of product, catalogue number, volume and issue numbers, reference period and page(s). Otherwise, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form, by any means—electronic, mechanical or photocopy—or for any purposes without prior written permission of Licensing Services, Client Services Division, Statistics Canada, Ottawa, Ontario, Canada K1A 0T6.

September 2011

Catalogue no. 51-007-X

ISSN 1911-6314

Frequency: Monthly

Ottawa

Cette publication est également disponible en français.

Note of appreciation

Canada owes the success of its statistical system to a long-standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.

User information

Symbols

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^s 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 ($p < 0.05$)

Acknowledgements

Statistics Canada would like to thank all of the respondents and data suppliers whose participation has enabled us to provide the statistical information contained in this publication.

The information found in this publication could not have been produced if not for the cooperation of our respondents and data suppliers.

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.

Table of contents

Highlights	5
Analysis	6
Related products	7
Statistical tables	
1 Total aircraft movements by class of operation	11
1-1 NAV CANADA towers	11
1-2 NAV CANADA flight service stations	12
2 Total aircraft movements, civil and military	13
2-1 NAV CANADA towers	13
2-2 NAV CANADA flight service stations	14
3 Itinerant movements by type of operator	15
3-1 NAV CANADA towers	15
3-2 NAV CANADA flight service stations	16
4 Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements	17
4-1 NAV CANADA towers	17
4-2 NAV CANADA flight service stations	18
5 Itinerant movements by type of power plant	19
5-1 NAV CANADA towers	19
5-2 NAV CANADA flight service stations	20
6 Itinerant movements by aircraft weight group	21
6-1 NAV CANADA towers	21
6-2 NAV CANADA flight service stations	22
7 Itinerant movements, domestic, transborder and international	23
7-1 NAV CANADA towers	23
7-2 NAV CANADA flight service stations	27

Table of contents – continued

8	Total aircraft movements, peak hour and peak day	32
8-1	NAV CANADA towers	32
8-2	NAV CANADA flight service stations	33
9	Itinerant aircraft movements, peak hour and peak day	34
9-1	NAV CANADA towers	34
9-2	NAV CANADA flight service stations	35
10	Local movements, peak hour and peak day	36
10-1	NAV CANADA towers	36
10-2	NAV CANADA flight service stations	37
11	Local movements - civil, peak hour and peak day	38
11-1	NAV CANADA towers	38
11-2	NAV CANADA flight service stations	39
12	Local movements - military, peak hour and peak day	40
12-1	NAV CANADA towers	40
12-2	NAV CANADA flight service stations	41

Data quality, concepts and methodology

Methodology	42
Data quality and limitations	44

Appendix

I	Factors influencing the data	45
II	Glossary of terms	46

Highlights

- Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations increased 0.9% in August 2011 from August 2010. These airports reported 540,519 movements compared with 535,604 movements in August 2010.
- There were 401,377 itinerant movements (flights from one airport to another) reported in August 2011. This represents a 2.1% increase (+8,382 movements) compared with the same month a year earlier.
- In August 2011, there were 139,142 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 2.4% (-3,467 movements) compared with the previous year.

Table 1
Distribution of aircraft movements at NAV CANADA Towers and Flight Service Stations

	NAV CANADA towers		NAV CANADA Flight Service Stations		Total	
	number	Percentage change, August 2010 to August 2011	number	Percentage change, August 2010 to August 2011	number	Percentage change, August 2010 to August 2011
Grand total	427,910	0.0	112,609	4.6	540,519	0.9
Itinerant movements						
Air carriers	237,126	1.7	65,331	1.7	302,457	1.7
Other commercial movements	28,729	1.5	4,811	24.2	33,540	4.2
Private movements	38,623	5.2	15,382	15.0	54,005	7.8
Government civil movements	4,556	-6.0	2,568	-3.5	7,124	-5.1
Government military movements	3,267	-33.5	984	3.5	4,251	-27.5
Itinerant total	312,301	1.4	89,076	4.7	401,377	2.1
Local movements						
Civil local movements	114,995	-4.2	23,275	4.8	138,270	-2.8
Military local movements	614	2,092.9	258	-12.8	872	169.1
Local total	115,609	-3.7	23,533	4.6	139,142	-2.4

Analysis

Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations increased 0.9% in August 2011 from August 2010. These airports reported 540,519 movements compared with 535,604 movements in August 2010. Year-over-year increases were reported by 56 airports. Toronto/Lester B. Pearson International, Ontario (39,121 movements) followed by Vancouver International, British Columbia (30,002 movements) were the most active sites in August 2011.

There were 401,377 itinerant movements (flights from one airport to another) reported in August 2011. This represents a 2.1% increase (+8,382 movements) compared with the same month a year earlier. The year-over-year variations ranged from an increase of 1,899 movements (+39.8%) at Vancouver Harbour, British Columbia to a drop of 3,057 movements (-76.5%) at Williams Lake, British Columbia. Sixty-three airports reported year-over-year increases in the number of itinerant aircraft movements in August 2011.

In August 2011, there were 139,142 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 2.4% (-3,467 movements) compared with the previous year. Boundary Bay, British Columbia (10,962 movements) followed by Montréal/St-Hubert, Quebec (10,464 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 345,191 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in August 2011, up 2.9% (+9,812 movements) from August 2010. Vancouver International, British Columbia (22,869 movements) followed by Toronto/Lester B. Pearson International, Ontario (18,289 movements) reported the greatest number of domestic itinerant movements.

Eighty-nine airports reported 45,007 transborder itinerant movements (between Canada and the United States) in August 2011. Toronto/Lester B. Pearson International, Ontario (15,405 movements) reported the greatest number of transborder itinerant movements. This represents 34.2% of the total transborder itinerant movements.

In August 2011, forty-one airports reported 11,179 other international itinerant movements. Toronto/Lester B. Pearson International, Ontario, recorded 5,315 other international itinerant movements. This represents 47.5% of the total other international itinerant movements reported.

Related products

Selected publications from Statistics Canada

51-008-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (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)

Selected CANSIM tables from Statistics Canada

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 maximum 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

401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
401-0019	Itinerant movements, by aircraft maximum 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
401-0021	Monthly aircraft movements, by class of operation and type of operation, airports without air traffic control towers
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
401-0024	Aircraft movements, by civil and military movements, airports with NAV CANADA towers, annual
401-0025	Itinerant movements, by type of operation, airports with NAV CANADA towers, annual
401-0026	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA towers, annual
401-0027	Itinerant movements, by type of power plant, airports with NAV CANADA towers, annual
401-0028	Itinerant movements, by aircraft maximum take-off weight, airports with NAV CANADA towers, annual
401-0029	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, annual
401-0030	Aircraft movements, by class of operation, airports with NAV CANADA flight service stations, annual
401-0031	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, annual
401-0032	Itinerant movements, by type of operation, airports with NAV CANADA flight service stations, annual
401-0033	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, annual
401-0034	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, annual
401-0035	Itinerant movements, by aircraft maximum 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

Selected surveys from Statistics Canada

2715	Aircraft Movement Statistics
------	------------------------------

Selected summary tables from Statistics Canada

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

Statistical tables

Table 1-1
Total aircraft movements by class of operation — NAV CANADA towers

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Abbotsford	20	8,268	28	3,804	8	4,464
Boundary Bay	5	19,117	10	8,155	1	10,962
Calgary International	3	21,361	3	21,199	38	162
Calgary/Springbank	11	12,709	17	5,775	5	6,934
Chicoutimi/St-Honoré	32	5,436	40	2,070	14	3,366
Edmonton City Centre	30	5,601	20	5,065	32	536
Edmonton International	13	12,149	6	11,711	35	438
Edmonton/Villeneuve	31	5,480	42	1,336	11	4,144
Fort McMurray	28	5,921	19	5,321	31	600
Fredericton International	26	6,848	34	3,136	12	3,712
Gander International	41	2,990	38	2,280	29	710
Halifax/Robert L. Stanfield International	21	8,006	13	7,708	37	298
Hamilton	37	3,689	35	2,831	28	858
Kelowna	24	7,030	22	4,962	21	2,068
Kitchener/Waterloo	19	8,859	24	4,639	10	4,220
Langley	25	7,005	32	3,415	13	3,590
London	18	9,106	23	4,672	9	4,434
Moncton/Greater Moncton International	23	7,114	25	4,368	19	2,746
Montréal/Pierre Elliott Trudeau International	4	21,101	4	20,981	39	120
Montréal/St-Hubert	6	18,402	12	7,938	2	10,464
Oshawa	29	5,826	31	3,645	20	2,181
Ottawa/Macdonald-Cartier International	7	14,870	5	11,810	15	3,060
Pitt Meadows	10	13,625	21	5,055	3	8,570
Prince George	42	2,988	37	2,382	30	606
Québec/Jean Lesage International	15	11,181	11	8,135	16	3,046
Regina International	33	5,210	30	3,744	24	1,466
Saskatoon/John G. Diefenbaker International	17	9,251	16	6,403	18	2,848
Sault Ste. Marie	38	3,600	39	2,200	25	1,400
St. John's International	36	4,104	29	3,804	36	300
St-Jean	35	4,669	33	3,199	23	1,470
Thunder Bay	22	7,327	18	5,393	22	1,934
Toronto/Billy Bishop Toronto City	14	11,217	9	8,321	17	2,896
Toronto/Buttonville Municipal	8	14,796	14	7,294	4	7,502
Toronto/Lester B. Pearson International	1	39,121	1	39,009	40	112
Vancouver Harbour	27	6,671	15	6,667	42	4
Vancouver International	2	30,002	2	29,894	41	108
Victoria International	9	14,616	8	9,864	7	4,752
Whitehorse International	39	3,132	36	2,670	34	462
Windsor	40	3,043	41	2,055	27	988
Winnipeg/James Armstrong Richardson International	12	12,311	7	11,147	26	1,164
Winnipeg/St. Andrews	16	9,401	27	3,997	6	5,404
Yellowknife	34	4,757	26	4,247	33	510
Total of NAV CANADA towers (42)	.	427,910	.	312,301	.	115,609

Table 1-2
Total aircraft movements by class of operation — NAV CANADA flight service stations

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Brandon Municipal	28	1,925	39	1,241	14	684
Campbell River	8	3,356	9	2,474	9	882
Castlegar	46	845	48	725	32	120
Charlottetown	36	1,603	35	1,369	24	234
Churchill	45	932	45	922	46	10
Cranbrook	37	1,573	38	1,265	22	308
Deer Lake	33	1,655	29	1,587	37	68
Fort Nelson	15	2,732	6	2,646	33	86
Fort St. John	18	2,553	13	2,245	21	308
Grande Prairie	10	3,275	7	2,581	13	694
High Level	42	1,291	40	1,151	30	140
Îles-de-la-Madeleine	50	537	50	537	0	0
Inuvik/Mike Zubko	35	1,651	28	1,611	40	40
Iqaluit	24	2,291	15	2,215	36	76
Kamloops	3	3,805	11	2,386	3	1,419
Kenora	27	2,013	24	1,751	23	262
Kingston	11	3,111	20	1,931	7	1,180
Kuujuuaq	20	2,442	21	1,922	16	520
La Grande Rivière	47	844	46	844	0	0
La Ronge	29	1,905	26	1,687	25	218
Lethbridge	17	2,677	23	1,877	11	800
Lloydminster	39	1,543	41	1,061	18	482
Medicine Hat	21	2,374	27	1,632	12	742
Mont-Joli	49	694	49	690	47	4
Montréal/Mirabel International	7	3,449	17	2,099	4	1,350
Nanaimo	4	3,794	3	2,959	10	835
Norman Wells	41	1,311	37	1,281	41	30
North Bay	13	2,776	32	1,498	5	1,278
Ottawa/Gatineau	1	5,002	19	2,030	1	2,972
Peace River	48	833	47	813	45	20
Penticton	19	2,492	31	1,525	8	967
Port Hardy	32	1,744	25	1,722	43	22
Prince Albert	26	2,082	22	1,920	28	162
Prince Rupert	51	485	51	457	42	28
Rankin Inlet	22	2,317	12	2,317	0	0
Red Deer Regional	2	4,966	10	2,470	2	2,496
Rouyn-Noranda	30	1,845	36	1,289	15	556
Saint John	31	1,800	34	1,374	19	426
Sept-Îles	16	2,704	8	2,528	27	176
Sioux Lookout	12	2,837	5	2,703	31	134
Smithers	44	1,059	42	977	34	82
St. Catharines	9	3,335	18	2,079	6	1,256
Sudbury	5	3,678	2	3,168	17	510
Terrace	38	1,549	30	1,527	44	22
Thompson	14	2,762	4	2,720	39	42
Timmins	23	2,301	14	2,221	35	80
Val-d'Or	34	1,654	33	1,452	26	202
Victoria Harbour	6	3,581	1	3,581	0	0
Wabush	25	2,182	16	2,130	38	52
Whitecourt	40	1,357	43	947	20	410
Williams Lake	43	1,087	44	939	29	148
Total of all flight service stations (51)	.	112,609	.	89,076	.	23,533

Table 2-1
Total aircraft movements, civil and military — NAV CANADA towers

	Civil movements			Military movements				
	Total	Itinerant		Local	Total	Itinerant		Local
		Commercial	Private and government			Local	Local	
	number							
Abbotsford	8,007	2,131	1,474	4,402	261	199	62	
Boundary Bay	19,090	6,375	1,753	10,962	27	27	0	
Calgary International	21,288	19,531	1,595	162	73	73	0	
Calgary/Springbank	12,705	3,706	2,065	6,934	4	4	0	
Chicoutimi/St-Honoré	5,429	1,837	226	3,366	7	7	0	
Edmonton City Centre	5,587	3,495	1,556	536	14	14	0	
Edmonton International	12,023	10,895	750	378	126	66	60	
Edmonton/Villeneuve	5,478	759	575	4,144	2	2	0	
Fort McMurray	5,915	4,493	828	594	6	0	6	
Fredericton International	6,833	2,836	293	3,704	15	7	8	
Gander International	2,744	1,654	380	710	246	246	0	
Halifax/Robert L. Stanfield International	7,868	7,155	423	290	138	130	8	
Hamilton	3,681	2,222	603	856	8	6	2	
Kelowna	6,965	3,880	1,051	2,034	65	31	34	
Kitchener/Waterloo	8,820	3,305	1,297	4,218	39	37	2	
Langley	7,000	1,925	1,485	3,590	5	5	0	
London	9,104	3,669	1,001	4,434	2	2	0	
Moncton/Greater Moncton International	7,102	4,007	355	2,740	12	6	6	
Montréal/Pierre Elliott Trudeau International	21,087	19,473	1,496	118	14	12	2	
Montréal/St-Hubert	18,320	6,567	1,289	10,464	82	82	0	
Oshawa	5,823	2,626	1,016	2,181	3	3	0	
Ottawa/Macdonald-Cartier International	14,720	10,848	812	3,060	150	150	0	
Pitt Meadows	13,625	3,029	2,026	8,570	0	0	0	
Prince George	2,951	1,836	521	594	37	25	12	
Québec/Jean Lesage International	11,102	6,575	1,487	3,040	79	73	6	
Regina International	4,972	3,053	657	1,262	238	34	204	
Saskatoon/John G. Diefenbaker International	8,868	4,938	1,240	2,690	383	225	158	
Sault Ste. Marie	3,552	1,916	244	1,392	48	40	8	
St. John's International	3,978	3,341	339	298	126	124	2	
St-Jean	3,600	259	1,871	1,470	1,069	1,069	0	
Thunder Bay	7,273	4,841	516	1,916	54	36	18	
Toronto/Billy Bishop Toronto City	11,201	7,482	823	2,896	16	16	0	
Toronto/Buttonville Municipal	14,796	3,856	3,438	7,502	0	0	0	
Toronto/Lester B. Pearson International	39,106	37,897	1,097	112	15	15	0	
Vancouver Harbour	6,669	6,531	134	4	2	2	0	
Vancouver International	29,988	28,284	1,596	108	14	14	0	
Victoria International	14,482	7,638	2,094	4,750	134	132	2	
Whitehorse International	3,108	2,211	437	460	24	22	2	
Windsor	3,038	1,584	468	986	5	3	2	
Winnipeg/James Armstrong Richardson International	12,026	9,853	1,017	1,156	285	277	8	
Winnipeg/St. Andrews	9,399	3,523	472	5,404	2	2	0	
Yellowknife	4,706	3,819	379	508	51	49	2	
Total of NAV CANADA towers (42)	424,029	265,855	43,179	114,995	3,881	3,267	614	

Table 2-2
Total aircraft movements, civil and military — NAV CANADA flight service stations

	Civil movements				Military movements		
	Total	Itinerant		Local	Total	Itinerant	Local
		Commercial	Private and government				
	number						
Brandon Municipal	1,655	575	460	620	270	206	64
Campbell River	3,317	1,470	967	880	39	37	2
Castlegar	837	572	145	120	8	8	0
Charlottetown	1,576	1,028	324	224	27	17	10
Churchill	932	870	52	10	0	0	0
Cranbrook	1,564	827	429	308	9	9	0
Deer Lake	1,643	1,448	127	68	12	12	0
Fort Nelson	2,686	2,374	226	86	46	46	0
Fort St. John	2,512	1,817	387	308	41	41	0
Grande Prairie	3,275	2,173	408	694	0	0	0
High Level	1,287	1,024	123	140	4	4	0
Îles-de-la-Madeleine	535	447	88	0	2	2	0
Inuvik/Mike Zubko	1,643	1,539	64	40	8	8	0
Iqaluit	2,206	1,945	191	70	85	79	6
Kamloops	3,793	1,774	600	1,419	12	12	0
Kenora	1,859	1,250	433	176	154	68	86
Kingston	3,057	1,266	623	1,168	54	42	12
Kuujuuaq	2,428	1,618	290	520	14	14	0
La Grande Rivière	844	775	69	0	0	0	0
La Ronge	1,905	1,379	308	218	0	0	0
Lethbridge	2,605	1,305	534	766	72	38	34
Lloydminster	1,535	580	473	482	8	8	0
Medicine Hat	2,339	1,170	433	736	35	29	6
Mont-Joli	678	605	69	4	16	16	0
Montréal/Mirabel International	3,428	1,411	675	1,342	21	13	8
Nanaimo	3,792	1,610	1,347	835	2	2	0
Norman Wells	1,307	1,185	92	30	4	4	0
North Bay	2,752	949	537	1,266	24	12	12
Ottawa/Gatineau	4,983	1,173	838	2,972	19	19	0
Peace River	831	732	79	20	2	2	0
Penticton	2,478	876	635	967	14	14	0
Port Hardy	1,681	1,406	253	22	63	63	0
Prince Albert	2,040	1,521	367	152	42	32	10
Prince Rupert	476	340	108	28	9	9	0
Rankin Inlet	2,317	2,292	25	0	0	0	0
Red Deer Regional	4,915	1,688	731	2,496	51	51	0
Rouyn-Noranda	1,833	1,024	253	556	12	12	0
Saint John	1,787	983	386	418	13	5	8
Sept-Îles	2,696	2,281	239	176	8	8	0
Sioux Lookout	2,835	2,558	143	134	2	2	0
Smithers	1,059	850	127	82	0	0	0
St. Catharines	3,334	1,359	719	1,256	1	1	0
Sudbury	3,668	2,367	791	510	10	10	0
Terrace	1,545	1,379	144	22	4	4	0
Thompson	2,760	2,517	201	42	2	2	0
Timmins	2,297	1,901	316	80	4	4	0
Val-d'Or	1,646	1,090	354	202	8	8	0
Victoria Harbour	3,577	3,452	125	0	4	4	0
Wabush	2,178	1,922	204	52	4	4	0
Whitecourt	1,355	780	165	410	2	2	0
Williams Lake	1,086	665	273	148	1	1	0
Total of all flight service stations (51)	111,367	70,142	17,950	23,275	1,242	984	258

Table 3-1
Itinerant movements by type of operator — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
	number						
Abbotsford	3,804	469	1,522	140	1,412	62	199
Boundary Bay	8,155	20	1,395	4,960	1,731	22	27
Calgary International	21,199	18,084	989	458	1,497	98	73
Calgary/Springbank	5,775	27	649	3,030	2,024	41	4
Chicoutimi/St-Honoré	2,070	629	94	1,114	226	0	7
Edmonton City Centre	5,065	1,231	732	1,532	990	566	14
Edmonton International	11,711	10,624	254	17	748	2	66
Edmonton/Villeneuve	1,336	4	39	716	575	0	2
Fort McMurray	5,321	1,577	2,760	156	790	38	0
Fredericton International	3,136	954	1,880	2	246	47	7
Gander International	2,280	645	982	27	288	92	246
Halifax/Robert L. Stanfield International	7,708	6,810	342	3	387	36	130
Hamilton	2,831	2,030	161	31	327	276	6
Kelowna	4,962	3,299	352	229	962	89	31
Kitchener/Waterloo	4,639	420	2,810	75	1,284	13	37
Langley	3,415	10	265	1,650	1,475	10	5
London	4,672	1,218	853	1,598	915	86	2
Moncton/Greater Moncton International	4,368	1,837	2,137	33	209	146	6
Montréal/Pierre Elliott Trudeau International	20,981	18,330	1,059	84	1,311	185	12
Montréal/St-Hubert	7,938	3,868	856	1,843	1,214	75	82
Oshawa	3,645	85	71	2,470	935	81	3
Ottawa/Macdonald-Cartier International	11,810	8,231	358	2,259	491	321	150
Pitt Meadows	5,055	76	2,357	596	1,993	33	0
Prince George	2,382	1,247	573	16	434	87	25
Québec/Jean Lesage International	8,135	4,119	2,152	304	1,134	353	73
Regina International	3,744	2,106	889	58	546	111	34
Saskatoon/John G. Diefenbaker International	6,403	3,481	983	474	965	275	225
Sault Ste. Marie	2,200	1,063	134	719	189	55	40
St. John's International	3,804	2,601	738	2	159	180	124
St-Jean	3,199	7	109	143	1,871	0	1,069
Thunder Bay	5,393	3,166	849	826	424	92	36
Toronto/Billy Bishop Toronto City	8,321	4,837	1,386	1,259	797	26	16
Toronto/Buttonville Municipal	7,294	185	3,598	73	3,369	69	0
Toronto/Lester B. Pearson International	39,009	37,220	665	12	1,070	27	15
Vancouver Harbour	6,667	5,298	1,227	6	133	1	2
Vancouver International	29,894	25,583	2,594	107	1,285	311	14
Victoria International	9,864	3,557	3,420	661	2,069	25	132
Whitehorse International	2,670	1,417	774	20	410	27	22
Windsor	2,055	681	826	77	408	60	3
Winnipeg/James Armstrong Richardson International	11,147	9,337	480	36	576	441	277
Winnipeg/St. Andrews	3,997	763	1,862	898	472	0	2
Yellowknife	4,247	3,228	576	15	282	97	49
Total of NAV CANADA towers (42)	312,301	190,374	46,752	28,729	38,623	4,556	3,267

Table 3-2
Itinerant movements by type of operator — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements		
		Level I-III and Foreign	Level IV-VI			Civil	Military	
	number							
Brandon Municipal	1,241	113	346	116	447	13	206	
Campbell River	2,474	637	443	390	933	34	37	
Castlegar	725	285	217	70	129	16	8	
Charlottetown	1,369	979	49	0	310	14	17	
Churchill	922	831	37	2	40	12	0	
Cranbrook	1,265	605	191	31	412	17	9	
Deer Lake	1,587	1,159	267	22	67	60	12	
Fort Nelson	2,646	558	1,784	32	220	6	46	
Fort St. John	2,245	811	837	169	373	14	41	
Grande Prairie	2,581	1,294	770	109	388	20	0	
High Level	1,151	303	712	9	108	15	4	
Îles-de-la-Madeleine	537	382	58	7	42	46	2	
Inuvik/Mike Zubko	1,611	1,209	311	19	33	31	8	
Iqaluit	2,215	1,716	173	56	97	94	79	
Kamloops	2,386	960	525	289	530	70	12	
Kenora	1,751	471	749	30	335	98	68	
Kingston	1,931	453	500	313	573	50	42	
Kuujuuaq	1,922	1,116	489	13	243	47	14	
La Grande Rivière	844	553	204	18	49	20	0	
La Ronge	1,687	1,335	38	6	80	228	0	
Lethbridge	1,877	472	40	793	513	21	38	
Lloydminster	1,061	179	368	33	453	20	8	
Medicine Hat	1,632	562	300	308	425	8	29	
Mont-Joli	690	478	103	24	57	12	16	
Montréal/Mirabel International	2,099	879	459	73	673	2	13	
Nanaimo	2,959	452	918	240	1,303	44	2	
Norman Wells	1,281	763	413	9	33	59	4	
North Bay	1,498	611	233	105	450	87	12	
Ottawa/Gatineau	2,030	256	550	367	770	68	19	
Peace River	813	395	329	8	70	9	2	
Penticton	1,525	354	449	73	627	8	14	
Port Hardy	1,722	1,279	113	14	209	44	63	
Prince Albert	1,920	1,459	49	13	211	156	32	
Prince Rupert	457	307	25	8	88	20	9	
Rankin Inlet	2,317	1,272	1,019	1	13	12	0	
Red Deer Regional	2,470	277	1,183	228	709	22	51	
Rouyn-Noranda	1,289	542	163	319	225	28	12	
Saint John	1,374	804	109	70	378	8	5	
Sept-Îles	2,528	1,272	976	33	156	83	8	
Sioux Lookout	2,703	1,946	556	56	88	55	2	
Smithers	977	540	302	8	114	13	0	
St. Catharines	2,079	26	1,291	42	693	26	1	
Sudbury	3,168	1,555	754	58	492	299	10	
Terrace	1,527	739	635	5	110	34	4	
Thompson	2,720	2,099	416	2	75	126	2	
Timmins	2,221	1,550	340	11	180	136	4	
Val-d'Or	1,452	754	302	34	279	75	8	
Victoria Harbour	3,581	3,408	44	0	0	125	4	
Wabush	2,130	951	958	13	183	21	4	
Whitecourt	947	28	621	131	147	18	2	
Williams Lake	939	422	212	31	249	24	1	
Total of all flight service stations (51)	89,076	42,401	22,930	4,811	15,382	2,568	984	

Table 4-1
Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements
— NAV CANADA towers

	Itinerant movements					Runway 88
	Total of IFR and VFR flights ¹	Instrument Flight Rules	Percentage Instrument Flight Rules	Visual Flight Rules	Percentage Visual Flight Rules	
	number		percent	number	percent	
Abbotsford	3,804	758	19.9	3,046	80.0	2,282
Boundary Bay	8,155	440	5.3	7,715	94.6	983
Calgary International	21,199	19,976	94.2	1,223	5.7	545
Calgary/Springbank	5,775	419	7.2	5,356	92.7	214
Chicoutimi/St-Honoré	2,070	125	6.0	1,945	93.9	261
Edmonton City Centre	5,065	1,954	38.5	3,111	61.4	1,870
Edmonton International	11,711	11,237	95.9	474	4.0	862
Edmonton/Villeneuve	1,336	68	5.0	1,268	94.9	145
Fort McMurray	5,321	1,958	36.7	3,363	63.2	219
Fredericton International	3,136	1,190	37.9	1,946	62.0	144
Gander International	2,280	1,312	57.5	968	42.4	393
Halifax/Robert L. Stanfield International	7,708	7,360	95.4	348	4.5	328
Hamilton	2,831	2,204	77.8	627	22.1	1,318
Kelowna	4,962	2,894	58.3	2,068	41.6	1,242
Kitchener/Waterloo	4,639	798	17.2	3,841	82.7	878
Langley	3,415	24	0.7	3,391	99.2	1,075
London	4,672	1,500	32.1	3,172	67.8	620
Moncton/Greater Moncton International	4,368	2,157	49.3	2,211	50.6	91
Montréal/Pierre Elliott Trudeau International	20,981	20,201	96.2	780	3.7	1,535
Montréal/St-Hubert	7,938	1,774	22.3	6,164	77.6	1,017
Oshawa	3,645	156	4.2	3,489	95.7	836
Ottawa/Macdonald-Cartier International	11,810	9,021	76.3	2,789	23.6	1,948
Pitt Meadows	5,055	60	1.1	4,995	98.8	2,745
Prince George	2,382	1,327	55.7	1,055	44.2	562
Québec/Jean Lesage International	8,135	5,271	64.7	2,864	35.2	1,462
Regina International	3,744	2,437	65.0	1,307	34.9	136
Saskatoon/John G. Diefenbaker International	6,403	3,969	61.9	2,434	38.0	435
Sault Ste. Marie	2,200	1,265	57.5	935	42.5	110
St. John's International	3,804	3,383	88.9	421	11.0	216
St-Jean	3,199	29	0.9	3,170	99.0	1,990
Thunder Bay	5,393	3,776	70.0	1,617	29.9	238
Toronto/Billy Bishop Toronto City	8,321	5,249	63.0	3,072	36.9	4,085
Toronto/Buttonville Municipal	7,294	687	9.4	6,607	90.5	1,998
Toronto/Lester B. Pearson International	39,009	38,886	99.6	123	0.3	265
Vancouver Harbour	6,667	47	0.7	6,620	99.2	3,577
Vancouver International	29,894	22,948	76.7	6,946	23.2	10,977
Victoria International	9,864	3,957	40.1	5,907	59.8	5,536
Whitehorse International	2,670	854	31.9	1,816	68.0	693
Windsor	2,055	804	39.1	1,251	60.8	123
Winnipeg/James Armstrong Richardson International	11,147	9,765	87.6	1,382	12.3	493
Winnipeg/St. Andrews	3,997	76	1.9	3,921	98.0	219
Yellowknife	4,247	2,141	50.4	2,106	49.5	1,408
Total of NAV CANADA towers (42)	312,301	194,457	62.3	117,844	37.7	56,074

1. Total excludes runway 88 flights.

Table 4-2
Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements — NAV CANADA flight service stations

	Itinerant movements					Runway 88
	Total of IFR and VFR flights ¹	Instrument Flight Rules	Percentage Instrument Flight Rules	Visual Flight Rules	Percentage Visual Flight Rules	
	number		percent	number	percent	
Brandon Municipal	1,241	237	19.0	1,004	80.9	68
Campbell River	2,474	626	25.3	1,848	74.6	671
Castlegar	725	271	37.3	454	62.6	170
Charlottetown	1,369	1,125	82.1	244	17.8	72
Churchill	922	844	91.5	78	8.4	307
Cranbrook	1,265	674	53.2	591	46.7	399
Deer Lake	1,587	1,427	89.9	160	10.0	45
Fort Nelson	2,646	600	22.6	2,046	77.3	164
Fort St. John	2,245	857	38.1	1,388	61.8	175
Grande Prairie	2,581	1,476	57.1	1,105	42.8	209
High Level	1,151	232	20.1	919	79.8	389
Îles-de-la-Madeleine	537	503	93.6	34	6.3	13
Inuvik/Mike Zubko	1,611	440	27.3	1,171	72.6	93
Iqaluit	2,215	1,567	70.7	648	29.2	48
Kamloops	2,386	1,126	47.1	1,260	52.8	588
Kenora	1,751	693	39.5	1,058	60.4	674
Kingston	1,931	641	33.1	1,290	66.8	186
Kuujuuaq	1,922	544	28.3	1,378	71.6	448
La Grande Rivière	844	651	77.1	193	22.8	383
La Ronge	1,687	781	46.2	906	53.7	769
Lethbridge	1,877	559	29.7	1,318	70.2	44
Lloydminster	1,061	208	19.6	853	80.3	35
Medicine Hat	1,632	451	27.6	1,181	72.3	262
Mont-Joli	690	576	83.4	114	16.5	24
Montréal/Mirabel International	2,099	1,146	54.5	953	45.4	1,327
Nanaimo	2,959	718	24.2	2,241	75.7	1,679
Norman Wells	1,281	236	18.4	1,045	81.5	257
North Bay	1,498	664	44.3	834	55.6	742
Ottawa/Gatineau	2,030	141	6.9	1,889	93.0	526
Peace River	813	364	44.7	449	55.2	14
Penticton	1,525	370	24.2	1,155	75.7	280
Port Hardy	1,722	640	37.1	1,082	62.8	413
Prince Albert	1,920	1,498	78.0	422	21.9	139
Prince Rupert	457	285	62.3	172	37.6	23
Rankin Inlet	2,317	1,180	50.9	1,137	49.0	62
Red Deer Regional	2,470	409	16.5	2,061	83.4	381
Rouyn-Noranda	1,289	771	59.8	518	40.1	195
Saint John	1,374	1,058	77.0	316	22.9	52
Sept-Îles	2,528	1,828	72.3	700	27.6	435
Sioux Lookout	2,703	1,961	72.5	742	27.4	1,659
Smithers	977	482	49.3	495	50.6	706
St. Catharines	2,079	137	6.5	1,942	93.4	458
Sudbury	3,168	1,810	57.1	1,358	42.8	288
Terrace	1,527	729	47.7	798	52.2	376
Thompson	2,720	1,754	64.4	966	35.5	467
Timmins	2,221	1,737	78.2	484	21.7	238
Val-d'Or	1,452	843	58.0	609	41.9	777
Victoria Harbour	3,581	45	1.2	3,536	98.7	1,186
Wabush	2,130	1,256	58.9	874	41.0	496
Whitecourt	947	61	6.4	886	93.5	227
Williams Lake	939	451	48.0	488	51.9	359
Total of all flight service stations (51)	89,076	39,683	44.5	49,393	55.5	19,998

1. Total excludes runway 88 flights.

Table 5-1
Itinerant movements by type of power plant — NAV CANADA towers

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Abbotsford	3,804	600	165	2,635	385	19
Boundary Bay	8,155	31	81	7,764	279	0
Calgary International	21,199	14,439	5,428	309	1,023	0
Calgary/Springbank	5,775	39	194	4,931	611	0
Chicoutimi/St-Honoré	2,070	4	88	1,631	347	0
Edmonton City Centre	5,065	298	1,586	2,381	799	1
Edmonton International	11,711	7,572	3,647	452	39	1
Edmonton/Villeneuve	1,336	22	31	1,201	82	0
Fort McMurray	5,321	1,168	1,464	1,071	1,618	0
Fredericton International	3,136	450	689	1,874	123	0
Gander International	2,280	590	669	821	200	0
Halifax/Robert L. Stanfield International	7,708	4,632	2,589	258	229	0
Hamilton	2,831	1,502	765	427	137	0
Kelowna	4,962	1,312	1,616	1,764	266	4
Kitchener/Waterloo	4,639	249	397	3,676	296	21
Langley	3,415	0	5	2,893	510	7
London	4,672	449	1,058	2,961	204	0
Moncton/Greater Moncton International	4,368	1,164	819	2,317	68	0
Montréal/Pierre Elliott Trudeau International	20,981	13,514	6,595	484	388	0
Montréal/St-Hubert	7,938	201	1,005	6,501	231	0
Oshawa	3,645	29	30	3,459	126	1
Ottawa/Macdonald-Cartier International	11,810	6,045	2,904	2,560	299	2
Pitt Meadows	5,055	8	240	4,629	178	0
Prince George	2,382	451	965	690	272	4
Québec/Jean Lesage International	8,135	1,199	3,855	2,381	700	0
Regina International	3,744	1,767	507	1,389	81	0
Saskatoon/John G. Diefenbaker International	6,403	2,149	1,848	2,317	89	0
Sault Ste. Marie	2,200	57	1,184	898	61	0
St. John's International	3,804	1,648	1,673	125	358	0
St-Jean	3,199	0	4	1,722	56	1,417
Thunder Bay	5,393	598	3,209	1,292	294	0
Toronto/Billy Bishop Toronto City	8,321	6	5,324	2,438	553	0
Toronto/Buttonville Municipal	7,294	46	384	6,460	403	1
Toronto/Lester B. Pearson International	39,009	32,100	6,823	64	22	0
Vancouver Harbour	6,667	0	3,497	2,482	688	0
Vancouver International	29,894	13,531	11,382	3,864	1,116	1
Victoria International	9,864	1,478	2,442	5,628	316	0
Whitehorse International	2,670	555	681	991	443	0
Windsor	2,055	136	650	1,239	30	0
Winnipeg/James Armstrong Richardson International	11,147	5,517	4,335	957	338	0
Winnipeg/St. Andrews	3,997	0	734	3,083	180	0
Yellowknife	4,247	739	2,390	520	597	1
Total of NAV CANADA towers (42)	312,301	116,295	83,952	95,539	15,035	1,480

Table 5-2
Itinerant movements by type of power plant — NAV CANADA flight service stations

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,241	62	239	780	160	0
Campbell River	2,474	125	772	1,092	485	0
Castlegar	725	18	351	249	107	0
Charlottetown	1,369	665	377	295	32	0
Churchill	922	8	835	45	34	0
Cranbrook	1,265	40	646	450	129	0
Deer Lake	1,587	549	841	134	63	0
Fort Nelson	2,646	111	508	367	1,660	0
Fort St. John	2,245	270	638	473	864	0
Grande Prairie	2,581	224	1,207	661	487	2
High Level	1,151	8	414	338	391	0
Îles-de-la-Madeleine	537	24	446	61	6	0
Inuvik/Mike Zubko	1,611	112	854	316	329	0
Iqaluit	2,215	451	1,541	39	184	0
Kamloops	2,386	167	951	914	354	0
Kenora	1,751	114	682	379	576	0
Kingston	1,931	35	528	1,168	200	0
Kuujuuaq	1,922	156	996	238	532	0
La Grande Rivière	844	92	631	77	44	0
La Ronge	1,687	4	1,153	369	161	0
Lethbridge	1,877	70	773	999	35	0
Lloydminster	1,061	2	232	730	97	0
Medicine Hat	1,632	29	540	989	74	0
Mont-Joli	690	14	546	113	16	1
Montréal/Mirabel International	2,099	622	326	663	488	0
Nanaimo	2,959	23	522	2,214	199	1
Norman Wells	1,281	204	367	272	438	0
North Bay	1,498	49	685	479	285	0
Ottawa/Gatineau	2,030	13	76	1,714	221	6
Peace River	813	19	347	134	313	0
Penticton	1,525	54	455	660	356	0
Port Hardy	1,722	117	1,043	406	156	0
Prince Albert	1,920	26	1,505	329	60	0
Prince Rupert	457	60	280	39	78	0
Rankin Inlet	2,317	181	1,114	10	1,011	1
Red Deer Regional	2,470	89	364	1,932	85	0
Rouyn-Noranda	1,289	95	704	467	23	0
Saint John	1,374	364	649	293	68	0
Sept-Îles	2,528	39	1,638	381	470	0
Sioux Lookout	2,703	2	2,192	451	58	0
Smithers	977	16	597	230	134	0
St. Catharines	2,079	35	48	1,331	663	2
Sudbury	3,168	41	1,998	626	503	0
Terrace	1,527	47	753	76	651	0
Thompson	2,720	12	2,189	298	221	0
Timmins	2,221	20	1,846	252	103	0
Val-d'Or	1,452	78	776	428	170	0
Victoria Harbour	3,581	0	2,728	285	568	0
Wabush	2,130	33	1,152	147	798	0
Whitecourt	947	10	59	178	700	0
Williams Lake	939	14	480	341	104	0
Total of all flight service stations (51)	89,076	5,613	41,594	25,912	15,944	13

Table 6-1
Itinerant movements by aircraft weight group — NAV CANADA towers

	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 to 70,000	70,001 to 90,000	90,001 to 136,000	136,001 and over
	number									
Abbotsford	2,598	413	118	72	65	50	454	26	2	6
Boundary Bay	7,549	500	64	27	14	1	0	0	0	0
Calgary International	863	568	1,507	1,861	971	4,975	8,583	982	173	716
Calgary/Springbank	5,055	443	138	74	0	65	0	0	0	0
Chicoutimi/St-Honoré	1,772	199	91	6	2	0	0	0	0	0
Edmonton City Centre	2,734	504	1,436	270	96	25	0	0	0	0
Edmonton International	362	191	573	994	519	2,729	5,594	474	173	102
Edmonton/Villeneuve	1,220	54	47	15	0	0	0	0	0	0
Fort McMurray	2,314	879	487	382	48	799	412	0	0	0
Fredericton International	1,886	195	129	256	224	424	20	2	0	0
Gander International	783	43	59	529	269	314	136	99	10	38
Halifax/Robert L. Stanfield International	161	256	272	1,041	848	1,910	2,499	372	164	185
Hamilton	363	463	197	350	197	57	497	11	537	159
Kelowna	1,814	231	296	643	98	899	972	0	9	0
Kitchener/Waterloo	3,861	135	387	64	65	43	82	2	0	0
Langley	3,343	57	15	0	0	0	0	0	0	0
London	2,995	247	159	166	403	494	205	0	0	3
Moncton/Greater Moncton International	2,333	132	94	452	90	789	236	0	240	2
Montréal/Pierre Elliott Trudeau International	590	207	873	776	3,125	6,469	5,439	1,430	2	2,070
Montréal/St-Hubert	5,874	812	741	344	147	14	4	0	2	0
Oshawa	3,411	166	39	29	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	2,485	211	889	331	612	3,434	3,132	400	46	270
Pitt Meadows	4,532	462	39	19	2	1	0	0	0	0
Prince George	791	234	142	619	23	372	201	0	0	0
Québec/Jean Lesage International	2,631	416	876	551	1,499	1,953	144	1	0	64
Regina International	1,239	187	335	245	44	960	648	2	84	0
Saskatoon/John G. Diefenbaker International	1,948	491	809	670	266	1,197	975	2	45	0
Sault Ste. Marie	905	148	536	71	332	206	2	0	0	0
St. John's International	120	17	247	684	760	472	1,170	253	79	2
St-Jean	3,186	7	6	0	0	0	0	0	0	0
Thunder Bay	1,196	344	2,204	261	199	954	235	0	0	0
Toronto/Billy Bishop Toronto City	2,582	324	628	103	17	4,663	0	4	0	0
Toronto/Buttonville Municipal	6,517	482	215	66	6	8	0	0	0	0
Toronto/Lester B. Pearson International	30	187	359	2,218	4,222	7,692	15,239	4,429	289	4,344
Vancouver Harbour	211	5,567	881	6	2	0	0	0	0	0
Vancouver International	1,366	5,178	1,078	3,098	2,015	5,943	6,779	1,927	320	2,190
Victoria International	4,957	1,068	283	551	693	1,443	742	93	34	0
Whitehorse International	1,151	397	343	99	23	373	254	8	0	22
Windsor	1,213	101	69	85	365	148	68	0	6	0
Winnipeg/James Armstrong Richardson International	766	586	2,873	401	920	2,040	2,542	321	628	70
Winnipeg/St. Andrews	2,978	910	109	0	0	0	0	0	0	0
Yellowknife	673	710	730	310	255	794	600	175	0	0
Total of NAV CANADA towers (42)	93,358	24,722	21,373	18,739	19,436	52,710	57,864	11,013	2,843	10,243

Table 6-2
Itinerant movements by aircraft weight group — NAV CANADA flight service stations

	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 to 70,000	70,001 to 90,000	90,001 to 136,000	136,001 and over
	number									
Brandon Municipal	760	86	321	17	15	40	0	2	0	0
Campbell River	1,458	146	136	448	266	13	7	0	0	0
Castlegar	226	179	29	54	64	173	0	0	0	0
Charlottetown	245	156	53	98	200	467	148	2	0	0
Churchill	67	14	135	105	128	473	0	0	0	0
Cranbrook	463	49	168	362	81	120	22	0	0	0
Deer Lake	101	67	42	401	421	281	270	4	0	0
Fort Nelson	1,443	151	544	208	186	76	38	0	0	0
Fort St. John	1,200	86	235	288	160	260	16	0	0	0
Grande Prairie	883	292	389	280	39	567	131	0	0	0
High Level	617	191	207	126	0	10	0	0	0	0
Îles-de-la-Madeleine	42	29	147	75	183	59	2	0	0	0
Inuvik/Mike Zubko	587	115	683	6	59	51	108	2	0	0
Iqaluit	64	95	716	218	299	426	271	48	18	60
Kamloops	929	218	233	246	127	504	129	0	0	0
Kenora	421	150	1,007	49	59	48	0	17	0	0
Kingston	1,253	67	153	313	121	8	2	14	0	0
Kuujuuaq	657	103	789	4	131	104	102	2	0	30
La Grande Rivière	69	54	194	10	49	386	82	0	0	0
La Ronge	148	334	622	108	231	244	0	0	0	0
Lethbridge	857	197	390	354	30	43	2	4	0	0
Lloydminster	748	78	127	108	0	0	0	0	0	0
Medicine Hat	956	93	270	299	12	2	0	0	0	0
Mont-Joli	78	48	166	270	92	36	0	0	0	0
Montréal/Mirabel International	939	257	63	112	38	137	42	0	310	201
Nanaimo	1,851	582	89	33	18	386	0	0	0	0
Norman Wells	516	238	241	44	2	36	204	0	0	0
North Bay	682	250	259	84	193	22	0	8	0	0
Ottawa/Gatineau	1,625	293	78	16	7	6	0	5	0	0
Peace River	261	124	374	42	8	4	0	0	0	0
Penticton	864	138	106	154	15	198	50	0	0	0
Port Hardy	209	391	616	138	348	16	4	0	0	0
Prince Albert	249	92	340	376	326	535	2	0	0	0
Prince Rupert	61	78	65	26	69	154	4	0	0	0
Rankin Inlet	318	443	323	116	537	411	164	0	2	3
Red Deer Regional	1,813	188	211	177	24	30	27	0	0	0
Rouyn-Noranda	476	8	354	11	216	157	67	0	0	0
Saint John	226	205	147	261	223	306	4	2	0	0
Sept-Îles	547	319	489	548	593	32	0	0	0	0
Sioux Lookout	107	408	1,225	741	220	2	0	0	0	0
Smithers	270	168	77	286	54	122	0	0	0	0
St. Catharines	1,873	118	50	13	19	1	5	0	0	0
Sudbury	599	521	1,096	297	456	188	5	6	0	0
Terrace	572	162	132	266	185	206	4	0	0	0
Thompson	299	264	1,256	20	211	670	0	0	0	0
Timmins	205	298	1,000	112	513	93	0	0	0	0
Val-d'Or	461	91	292	18	308	236	26	0	18	2
Victoria Harbour	45	2,662	864	6	4	0	0	0	0	0
Wabush	826	113	354	358	458	19	2	0	0	0
Whitecourt	830	39	40	32	4	2	0	0	0	0
Williams Lake	423	22	50	420	2	22	0	0	0	0
Total of all flight service stations (51)	31,419	11,470	17,947	9,154	8,004	8,382	1,940	116	348	296

Table 7-1
Itinerant movements, domestic, transborder and international — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford							
Domestic	3,675	460	1,509	135	1,335	62	174
Transborder	127	9	13	5	75	0	25
Other international	2	0	0	0	2	0	0
Total	3,804	469	1,522	140	1,412	62	199
Boundary Bay							
Domestic	8,016	20	1,388	4,931	1,632	22	23
Transborder	139	0	7	29	99	0	4
Other international	0	0	0	0	0	0	0
Total	8,155	20	1,395	4,960	1,731	22	27
Calgary International							
Domestic	17,149	14,398	920	451	1,213	96	71
Transborder	3,488	3,127	67	7	283	2	2
Other international	562	559	2	0	1	0	0
Total	21,199	18,084	989	458	1,497	98	73
Calgary/Springbank							
Domestic	5,666	26	641	3,029	1,925	41	4
Transborder	109	1	8	1	99	0	0
Other international	0	0	0	0	0	0	0
Total	5,775	27	649	3,030	2,024	41	4
Chicoutimi/St-Honoré							
Domestic	2,068	629	94	1,114	224	0	7
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,070	629	94	1,114	226	0	7
Edmonton City Centre							
Domestic	5,040	1,223	732	1,530	977	566	12
Transborder	25	8	0	2	13	0	2
Other international	0	0	0	0	0	0	0
Total	5,065	1,231	732	1,532	990	566	14
Edmonton International							
Domestic	10,250	9,265	244	15	661	2	63
Transborder	1,355	1,254	10	2	87	0	2
Other international	106	105	0	0	0	0	1
Total	11,711	10,624	254	17	748	2	66
Edmonton/Villeneuve							
Domestic	1,334	4	39	716	574	0	1
Transborder	1	0	0	0	1	0	0
Other international	1	0	0	0	0	0	1
Total	1,336	4	39	716	575	0	2
Fort McMurray							
Domestic	5,315	1,574	2,758	156	789	38	0
Transborder	6	3	2	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	5,321	1,577	2,760	156	790	38	0
Fredericton International							
Domestic	3,061	942	1,869	2	194	47	7
Transborder	73	11	10	0	52	0	0
Other international	2	1	1	0	0	0	0
Total	3,136	954	1,880	2	246	47	7
Gander International							
Domestic	1,852	513	982	10	134	91	122
Transborder	212	69	0	8	70	1	64
Other international	216	63	0	9	84	0	60
Total	2,280	645	982	27	288	92	246

Table 7-1 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Halifax/Robert L. Stanfield International							
Domestic	6,371	5,647	338	3	238	36	109
Transborder	1,133	979	4	0	140	0	10
Other international	204	184	0	0	9	0	11
Total	7,708	6,810	342	3	387	36	130
Hamilton							
Domestic	2,137	1,461	148	30	216	276	6
Transborder	673	553	11	1	108	0	0
Other international	21	16	2	0	3	0	0
Total	2,831	2,030	161	31	327	276	6
Kelowna							
Domestic	4,724	3,159	343	227	875	89	31
Transborder	237	139	9	2	87	0	0
Other international	1	1	0	0	0	0	0
Total	4,962	3,299	352	229	962	89	31
Kitchener/Waterloo							
Domestic	4,354	332	2,774	73	1,129	13	33
Transborder	279	87	35	2	151	0	4
Other international	6	1	1	0	4	0	0
Total	4,639	420	2,810	75	1,284	13	37
Langley							
Domestic	3,395	10	265	1,649	1,456	10	5
Transborder	20	0	0	1	19	0	0
Other international	0	0	0	0	0	0	0
Total	3,415	10	265	1,650	1,475	10	5
London							
Domestic	4,389	1,075	846	1,594	786	86	2
Transborder	279	139	7	4	129	0	0
Other international	4	4	0	0	0	0	0
Total	4,672	1,218	853	1,598	915	86	2
Moncton/Greater Moncton International							
Domestic	4,276	1,772	2,134	33	185	146	6
Transborder	91	65	2	0	24	0	0
Other international	1	0	1	0	0	0	0
Total	4,368	1,837	2,137	33	209	146	6
Montréal/Pierre Elliott Trudeau International							
Domestic	12,335	10,369	903	69	797	185	12
Transborder	6,175	5,534	145	11	485	0	0
Other international	2,471	2,427	11	4	29	0	0
Total	20,981	18,330	1,059	84	1,311	185	12
Montréal/St-Hubert							
Domestic	7,748	3,852	847	1,842	1,053	72	82
Transborder	185	15	9	0	158	3	0
Other international	5	1	0	1	3	0	0
Total	7,938	3,868	856	1,843	1,214	75	82
Oshawa							
Domestic	3,598	75	71	2,470	898	81	3
Transborder	41	10	0	0	31	0	0
Other international	6	0	0	0	6	0	0
Total	3,645	85	71	2,470	935	81	3
Ottawa/Macdonald-Cartier International							
Domestic	9,695	6,311	346	2,251	346	310	131
Transborder	1,956	1,777	10	8	144	11	6
Other international	159	143	2	0	1	0	13
Total	11,810	8,231	358	2,259	491	321	150

Table 7-1 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Pitt Meadows							
Domestic	5,017	76	2,356	596	1,956	33	0
Transborder	36	0	1	0	35	0	0
Other international	2	0	0	0	2	0	0
Total	5,055	76	2,357	596	1,993	33	0
Prince George							
Domestic	2,371	1,247	573	16	423	87	25
Transborder	11	0	0	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	2,382	1,247	573	16	434	87	25
Québec/Jean Lesage International							
Domestic	7,311	3,389	2,147	303	1,055	350	67
Transborder	747	660	5	1	76	3	2
Other international	77	70	0	0	3	0	4
Total	8,135	4,119	2,152	304	1,134	353	73
Regina International							
Domestic	3,363	1,802	885	56	475	111	34
Transborder	381	304	4	2	71	0	0
Other international	0	0	0	0	0	0	0
Total	3,744	2,106	889	58	546	111	34
Saskatoon/John G. Diefenbaker International							
Domestic	6,077	3,217	979	472	909	275	225
Transborder	325	263	4	2	56	0	0
Other international	1	1	0	0	0	0	0
Total	6,403	3,481	983	474	965	275	225
Sault Ste. Marie							
Domestic	2,158	1,062	131	718	154	53	40
Transborder	39	1	1	1	34	2	0
Other international	3	0	2	0	1	0	0
Total	2,200	1,063	134	719	189	55	40
St. John's International							
Domestic	3,472	2,431	732	0	111	179	19
Transborder	135	63	0	1	26	0	45
Other international	197	107	6	1	22	1	60
Total	3,804	2,601	738	2	159	180	124
St-Jean							
Domestic	3,198	7	109	143	1,870	0	1,069
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,199	7	109	143	1,871	0	1,069
Thunder Bay							
Domestic	5,292	3,152	847	825	340	92	36
Transborder	101	14	2	1	84	0	0
Other international	0	0	0	0	0	0	0
Total	5,393	3,166	849	826	424	92	36
Toronto/Billy Bishop Toronto City							
Domestic	6,992	3,658	1,351	1,259	683	26	15
Transborder	1,328	1,179	34	0	114	0	1
Other international	1	0	1	0	0	0	0
Total	8,321	4,837	1,386	1,259	797	26	16
Toronto/Buttonville Municipal							
Domestic	7,069	164	3,574	71	3,191	69	0
Transborder	220	21	24	2	173	0	0
Other international	5	0	0	0	5	0	0
Total	7,294	185	3,598	73	3,369	69	0

Table 7-1 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Toronto/Lester B. Pearson International							
Domestic	18,289	17,445	457	5	345	27	10
Transborder	15,405	14,528	176	4	693	0	4
Other international	5,315	5,247	32	3	32	0	1
Total	39,009	37,220	665	12	1,070	27	15
Vancouver Harbour							
Domestic	6,656	5,289	1,227	6	131	1	2
Transborder	10	8	0	0	2	0	0
Other international	1	1	0	0	0	0	0
Total	6,667	5,298	1,227	6	133	1	2
Vancouver International							
Domestic	22,869	19,000	2,568	86	897	311	7
Transborder	5,347	4,909	25	21	386	0	6
Other international	1,678	1,674	1	0	2	0	1
Total	29,894	25,583	2,594	107	1,285	311	14
Victoria International							
Domestic	8,985	3,080	3,394	643	1,717	25	126
Transborder	879	477	26	18	352	0	6
Other international	0	0	0	0	0	0	0
Total	9,864	3,557	3,420	661	2,069	25	132
Whitehorse International							
Domestic	2,564	1,386	771	20	339	27	21
Transborder	86	14	2	0	69	0	1
Other international	20	17	1	0	2	0	0
Total	2,670	1,417	774	20	410	27	22
Windsor							
Domestic	1,946	641	819	77	347	59	3
Transborder	100	34	7	0	58	1	0
Other international	9	6	0	0	3	0	0
Total	2,055	681	826	77	408	60	3
Winnipeg/James Armstrong Richardson International							
Domestic	9,959	8,303	470	34	445	439	268
Transborder	1,173	1,020	10	2	131	2	8
Other international	15	14	0	0	0	0	1
Total	11,147	9,337	480	36	576	441	277
Winnipeg/St. Andrews							
Domestic	3,992	763	1,862	898	467	0	2
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	3,997	763	1,862	898	472	0	2
Yellowknife							
Domestic	4,236	3,224	576	15	278	97	46
Transborder	10	4	0	0	3	0	3
Other international	1	0	0	0	1	0	0
Total	4,247	3,228	576	15	282	97	49
Total of NAV CANADA towers (42)							
Domestic	258,264	142,453	46,019	28,573	33,770	4,530	2,919
Transborder	42,945	37,279	670	138	4,638	25	195
Other international	11,092	10,642	63	18	215	1	153
Total	312,301	190,374	46,752	28,729	38,623	4,556	3,267

Table 7-2
Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Brandon Municipal							
Domestic	1,227	113	346	116	433	13	206
Transborder	14	0	0	0	14	0	0
Other international	0	0	0	0	0	0	0
Total	1,241	113	346	116	447	13	206
Campbell River							
Domestic	2,262	627	442	389	733	34	37
Transborder	211	9	1	1	200	0	0
Other international	1	1	0	0	0	0	0
Total	2,474	637	443	390	933	34	37
Castlegar							
Domestic	707	285	216	70	112	16	8
Transborder	18	0	1	0	17	0	0
Other international	0	0	0	0	0	0	0
Total	725	285	217	70	129	16	8
Charlottetown							
Domestic	1,268	916	48	0	273	14	17
Transborder	101	63	1	0	37	0	0
Other international	0	0	0	0	0	0	0
Total	1,369	979	49	0	310	14	17
Churchill							
Domestic	921	831	37	2	39	12	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	922	831	37	2	40	12	0
Cranbrook							
Domestic	1,218	602	191	29	371	17	8
Transborder	46	2	0	2	41	0	1
Other international	1	1	0	0	0	0	0
Total	1,265	605	191	31	412	17	9
Deer Lake							
Domestic	1,576	1,157	267	20	60	60	12
Transborder	8	2	0	0	6	0	0
Other international	3	0	0	2	1	0	0
Total	1,587	1,159	267	22	67	60	12
Fort Nelson							
Domestic	2,641	558	1,784	32	215	6	46
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	2,646	558	1,784	32	220	6	46
Fort St. John							
Domestic	2,244	811	837	169	372	14	41
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,245	811	837	169	373	14	41
Grande Prairie							
Domestic	2,575	1,294	770	109	382	20	0
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	2,581	1,294	770	109	388	20	0
High Level							
Domestic	1,151	303	712	9	108	15	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,151	303	712	9	108	15	4

Table 7-2 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Îles-de-la-Madeleine							
Domestic	528	382	57	7	34	46	2
Transborder	9	0	1	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	537	382	58	7	42	46	2
Inuvik/Mike Zubko							
Domestic	1,606	1,205	311	19	32	31	8
Transborder	5	4	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,611	1,209	311	19	33	31	8
Iqaluit							
Domestic	2,128	1,682	170	46	63	92	75
Transborder	18	7	0	1	8	0	2
Other international	69	27	3	9	26	2	2
Total	2,215	1,716	173	56	97	94	79
Kamloops							
Domestic	2,356	959	520	289	506	70	12
Transborder	30	1	5	0	24	0	0
Other international	0	0	0	0	0	0	0
Total	2,386	960	525	289	530	70	12
Kenora							
Domestic	1,605	448	748	29	214	98	68
Transborder	146	23	1	1	121	0	0
Other international	0	0	0	0	0	0	0
Total	1,751	471	749	30	335	98	68
Kingston							
Domestic	1,884	451	494	313	534	50	42
Transborder	47	2	6	0	39	0	0
Other international	0	0	0	0	0	0	0
Total	1,931	453	500	313	573	50	42
Kuujuuaq							
Domestic	1,918	1,113	489	13	242	47	14
Transborder	2	1	0	0	1	0	0
Other international	2	2	0	0	0	0	0
Total	1,922	1,116	489	13	243	47	14
La Grande Rivière							
Domestic	843	552	204	18	49	20	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	844	553	204	18	49	20	0
La Ronge							
Domestic	1,686	1,335	38	6	79	228	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,687	1,335	38	6	80	228	0
Lethbridge							
Domestic	1,753	472	38	793	392	21	37
Transborder	124	0	2	0	121	0	1
Other international	0	0	0	0	0	0	0
Total	1,877	472	40	793	513	21	38
Lloydminster							
Domestic	1,060	179	368	33	452	20	8
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,061	179	368	33	453	20	8

Table 7-2 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Medicine Hat							
Domestic	1,617	560	300	308	412	8	29
Transborder	15	2	0	0	13	0	0
Other international	0	0	0	0	0	0	0
Total	1,632	562	300	308	425	8	29
Mont-Joli							
Domestic	688	478	103	24	55	12	16
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	690	478	103	24	57	12	16
Montréal/Mirabel International							
Domestic	1,862	669	459	73	646	2	13
Transborder	237	210	0	0	27	0	0
Other international	0	0	0	0	0	0	0
Total	2,099	879	459	73	673	2	13
Nanaimo							
Domestic	2,833	440	918	239	1,190	44	2
Transborder	123	12	0	1	110	0	0
Other international	3	0	0	0	3	0	0
Total	2,959	452	918	240	1,303	44	2
Norman Wells							
Domestic	1,281	763	413	9	33	59	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,281	763	413	9	33	59	4
North Bay							
Domestic	1,462	604	233	103	423	87	12
Transborder	35	6	0	2	27	0	0
Other international	1	1	0	0	0	0	0
Total	1,498	611	233	105	450	87	12
Ottawa/Gatineau							
Domestic	2,020	256	549	367	761	68	19
Transborder	10	0	1	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	2,030	256	550	367	770	68	19
Peace River							
Domestic	811	394	329	8	69	9	2
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	813	395	329	8	70	9	2
Penticton							
Domestic	1,486	349	449	73	593	8	14
Transborder	39	5	0	0	34	0	0
Other international	0	0	0	0	0	0	0
Total	1,525	354	449	73	627	8	14
Port Hardy							
Domestic	1,636	1,277	112	14	135	44	54
Transborder	86	2	1	0	74	0	9
Other international	0	0	0	0	0	0	0
Total	1,722	1,279	113	14	209	44	63
Prince Albert							
Domestic	1,916	1,458	49	13	208	156	32
Transborder	4	1	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,920	1,459	49	13	211	156	32

Table 7-2 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Prince Rupert							
Domestic	425	304	25	5	62	20	9
Transborder	31	3	0	2	26	0	0
Other international	1	0	0	1	0	0	0
Total	457	307	25	8	88	20	9
Rankin Inlet							
Domestic	2,317	1,272	1,019	1	13	12	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,317	1,272	1,019	1	13	12	0
Red Deer Regional							
Domestic	2,453	277	1,179	228	696	22	51
Transborder	17	0	4	0	13	0	0
Other international	0	0	0	0	0	0	0
Total	2,470	277	1,183	228	709	22	51
Rouyn-Noranda							
Domestic	1,288	541	163	319	225	28	12
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,289	542	163	319	225	28	12
Saint John							
Domestic	1,302	801	108	70	311	8	4
Transborder	69	3	1	0	65	0	0
Other international	3	0	0	0	2	0	1
Total	1,374	804	109	70	378	8	5
Sept-Îles							
Domestic	2,522	1,272	976	32	151	83	8
Transborder	5	0	0	1	4	0	0
Other international	1	0	0	0	1	0	0
Total	2,528	1,272	976	33	156	83	8
Sioux Lookout							
Domestic	2,697	1,946	556	56	82	55	2
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	2,703	1,946	556	56	88	55	2
Smithers							
Domestic	971	539	302	8	109	13	0
Transborder	6	1	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	977	540	302	8	114	13	0
St. Catharines							
Domestic	2,003	6	1,288	40	642	26	1
Transborder	76	20	3	2	51	0	0
Other international	0	0	0	0	0	0	0
Total	2,079	26	1,291	42	693	26	1
Sudbury							
Domestic	3,137	1,553	753	58	464	299	10
Transborder	31	2	1	0	28	0	0
Other international	0	0	0	0	0	0	0
Total	3,168	1,555	754	58	492	299	10
Terrace							
Domestic	1,517	739	635	5	101	34	3
Transborder	10	0	0	0	9	0	1
Other international	0	0	0	0	0	0	0
Total	1,527	739	635	5	110	34	4

Table 7-2 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements		
		Level I-III and Foreign	Level IV-VI			Civil	Military	
number								
Thompson								
Domestic	2,717	2,099	416	2	72	126	2	
Transborder	3	0	0	0	3	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,720	2,099	416	2	75	126	2	
Timmins								
Domestic	2,218	1,550	340	11	177	136	4	
Transborder	3	0	0	0	3	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,221	1,550	340	11	180	136	4	
Val-d'Or								
Domestic	1,448	752	301	34	278	75	8	
Transborder	2	0	1	0	1	0	0	
Other international	2	2	0	0	0	0	0	
Total	1,452	754	302	34	279	75	8	
Victoria Harbour								
Domestic	3,137	2,964	44	0	0	125	4	
Transborder	444	444	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	3,581	3,408	44	0	0	125	4	
Wabush								
Domestic	2,126	951	958	13	179	21	4	
Transborder	4	0	0	0	4	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,130	951	958	13	183	21	4	
Whitecourt								
Domestic	947	28	621	131	147	18	2	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	947	28	621	131	147	18	2	
Williams Lake								
Domestic	933	422	212	31	243	24	1	
Transborder	6	0	0	0	6	0	0	
Other international	0	0	0	0	0	0	0	
Total	939	422	212	31	249	24	1	
Total of all flight service stations (51)								
Domestic	86,927	41,539	22,897	4,786	14,172	2,566	967	
Transborder	2,062	828	30	13	1,177	0	14	
Other international	87	34	3	12	33	2	3	
Total	89,076	42,401	22,930	4,811	15,382	2,568	984	

Table 8-1
Total aircraft movements, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	20	8,268	3	10	69	3	427
Boundary Bay	5	19,117	16	17	118	1	898
Calgary International	3	21,361	17	18	60	11	795
Calgary/Springbank	11	12,709	28	10	98	28	583
Chicoutimi/St-Honoré	32	5,436	31	22	97	31	632
Edmonton City Centre	30	5,601	7	11	35	4	238
Edmonton International	13	12,149	30	11	46	16	480
Edmonton/Villeneuve	31	5,480	1	11	65	20	285
Fort McMurray	28	5,921	4	16	35	31	265
Fredericton International	26	6,848	30	18	51	6	457
Gander International	41	2,990	23	16	32	24	197
Halifax/Robert L. Stanfield International	21	8,006	13	15	30	17	303
Hamilton	37	3,689	13	10	33	26	192
Kelowna	24	7,030	9	19	45	3	342
Kitchener/Waterloo	19	8,859	18	10	73	4	590
Langley	25	7,005	8	14	63	4	359
London	18	9,106	4	12	79	4	540
Moncton/Greater Moncton International	23	7,114	13	17	54	13	496
Montréal/Pierre Elliott Trudeau International	4	21,101	4	18	66	11	775
Montréal/St-Hubert	6	18,402	26	21	133	26	1,392
Oshawa	29	5,826	8	14	52	26	312
Ottawa/Macdonald-Cartier International	7	14,870	5	11	79	17	717
Pitt Meadows	10	13,625	11	17	111	24	661
Prince George	42	2,988	7	12	36	5	175
Québec/Jean Lesage International	15	11,181	18	9	79	12	582
Regina International	33	5,210	17	21	34	17	281
Saskatoon/John G. Diefenbaker International	17	9,251	9	16	60	26	436
Sault Ste. Marie	38	3,600	30	19	61	30	249
St. John's International	36	4,104	22	14	30	22	221
St-Jean	35	4,669	20	18	109	1	534
Thunder Bay	22	7,327	6	9	63	12	415
Toronto/Billy Bishop Toronto City	14	11,217	5	10	70	5	587
Toronto/Buttonville Municipal	8	14,796	16	18	98	4	952
Toronto/Lester B. Pearson International	1	39,121	31	18	102	25	1,360
Vancouver Harbour	27	6,671	12	16	36	12	300
Vancouver International	2	30,002	4	16	85	4	1,092
Victoria International	9	14,616	18	16	78	3	690
Whitehorse International	39	3,132	4	14	30	4	155
Windsor	40	3,043	3	15	47	15	167
Winnipeg/James Armstrong Richardson International	12	12,311	5	15	46	4	541
Winnipeg/St. Andrews	16	9,401	11	13	81	9	541
Yellowknife	34	4,757	24	20	58	5	258

Table 8-2
Total aircraft movements, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	28	1,925	11	10	43	15	154
Campbell River	8	3,356	30	11	39	1	202
Castlegar	46	845	5	15	25	23	82
Charlottetown	36	1,603	17	20	15	1	90
Churchill	45	932	2	12	10	3	46
Cranbrook	37	1,573	1	10	30	5	97
Deer Lake	33	1,655	3	14	30	3	116
Fort Nelson	15	2,732	10	10	36	10	188
Fort St. John	18	2,553	14	13	27	12	137
Grande Prairie	10	3,275	4	9	33	3	174
High Level	42	1,291	7	14	43	7	94
Îles-de-la-Madeleine	50	537	8	11	7	7	24
Inuvik/Mike Zubko	35	1,651	24	10	14	26	84
Iqaluit	24	2,291	30	11	19	31	110
Kamloops	3	3,805	31	12	73	18	187
Kenora	27	2,013	18	11	39	18	188
Kingston	11	3,111	2	11	44	31	210
Kuujuuaq	20	2,442	9	11	25	8	174
La Grande Rivière	47	844	29	12	9	8	39
La Ronge	29	1,905	24	10	20	3	108
Lethbridge	17	2,677	15	12	40	15	150
Lloydminster	39	1,543	12	16	24	18	89
Medicine Hat	21	2,374	19	13	60	18	189
Mont-Joli	49	694	17	17	10	17	48
Montréal/Mirabel International	7	3,449	18	9	47	12	226
Nanaimo	4	3,794	12	14	43	12	216
Norman Wells	41	1,311	3	14	11	15	60
North Bay	13	2,776	31	14	56	31	210
Ottawa/Gatineau	1	5,002	31	14	61	31	402
Peace River	48	833	30	13	13	24	52
Penticton	19	2,492	31	14	59	31	207
Port Hardy	32	1,744	3	11	26	3	103
Prince Albert	26	2,082	18	11	40	18	135
Prince Rupert	51	485	25	19	15	25	33
Rankin Inlet	22	2,317	5	15	20	1	133
Red Deer Regional	2	4,966	8	8	58	13	287
Rouyn-Noranda	30	1,845	27	15	30	27	163
Saint John	31	1,800	14	14	20	24	109
Sept-Îles	16	2,704	18	16	51	18	165
Sioux Lookout	12	2,837	24	21	29	24	151
Smithers	44	1,059	3	9	16	18	58
St. Catharines	9	3,335	27	16	43	27	233
Sudbury	5	3,678	18	12	34	18	233
Terrace	38	1,549	22	15	14	25	85
Thompson	14	2,762	31	10	20	31	126
Timmins	23	2,301	5	22	20	4	121
Val-d'Or	34	1,654	16	11	44	16	141
Victoria Harbour	6	3,581	16	8	20	25	157
Wabush	25	2,182	12	18	19	9	100
Whitecourt	40	1,357	16	10	29	4	93
Williams Lake	43	1,087	23	11	25	23	67

Table 9-1
Itinerant aircraft movements, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	28	3,804	13	18	27	11	180
Boundary Bay	10	8,155	1	15	47	1	380
Calgary International	3	21,199	3	18	59	11	785
Calgary/Springbank	17	5,775	28	11	33	20	245
Chicoutimi/St-Honoré	40	2,070	5	11	17	17	142
Edmonton City Centre	20	5,065	17	17	26	4	212
Edmonton International	6	11,711	23	7	38	16	458
Edmonton/Villeneuve	42	1,336	20	11	22	20	123
Fort McMurray	19	5,321	9	8	24	31	235
Fredericton International	34	3,136	31	18	21	31	190
Gander International	38	2,280	14	15	14	15	114
Halifax/Robert L. Stanfield International	13	7,708	13	15	28	17	283
Hamilton	35	2,831	13	10	19	26	150
Kelowna	22	4,962	3	7	25	12	208
Kitchener/Waterloo	24	4,639	12	15	28	23	308
Langley	32	3,415	8	14	23	1	153
London	23	4,672	4	15	25	4	274
Moncton/Greater Moncton International	25	4,368	17	15	23	18	251
Montréal/Pierre Elliott Trudeau International	4	20,981	4	18	66	11	773
Montréal/St-Hubert	12	7,938	31	14	46	17	535
Oshawa	31	3,645	12	11	40	13	220
Ottawa/Macdonald-Cartier International	5	11,810	3	14	41	17	497
Pitt Meadows	21	5,055	13	12	29	1	244
Prince George	37	2,382	5	9	15	4	120
Québec/Jean Lesage International	11	8,135	17	9	35	17	406
Regina International	30	3,744	17	13	19	17	175
Saskatoon/John G. Diefenbaker International	16	6,403	4	14	27	5	296
Sault Ste. Marie	39	2,200	18	14	22	18	124
St. John's International	29	3,804	9	13	17	19	157
St-Jean	33	3,199	20	18	109	1	506
Thunder Bay	18	5,393	3	15	28	18	240
Toronto/Billy Bishop Toronto City	9	8,321	19	17	39	5	393
Toronto/Buttonville Municipal	14	7,294	12	11	41	12	424
Toronto/Lester B. Pearson International	1	39,009	31	18	102	25	1,358
Vancouver Harbour	15	6,667	12	16	36	12	300
Vancouver International	2	29,894	4	16	85	4	1,088
Victoria International	8	9,864	6	12	44	11	397
Whitehorse International	36	2,670	30	14	16	9	115
Windsor	41	2,055	12	15	17	12	114
Winnipeg/James Armstrong Richardson International	7	11,147	9	13	37	4	447
Winnipeg/St. Andrews	27	3,997	11	16	26	9	183
Yellowknife	26	4,247	5	14	29	5	224

Table 9-2
Itinerant aircraft movements, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	39	1,241	29	17	18	18	107
Campbell River	9	2,474	6	11	17	12	121
Castlegar	48	725	17	14	14	23	44
Charlottetown	35	1,369	24	18	10	1	60
Churchill	45	922	4	18	9	3	46
Cranbrook	38	1,265	12	10	12	10	66
Deer Lake	29	1,587	26	8	11	19	68
Fort Nelson	6	2,646	23	9	21	10	142
Fort St. John	13	2,245	18	13	17	18	106
Grande Prairie	7	2,581	12	15	22	25	136
High Level	40	1,151	18	14	10	31	55
Îles-de-la-Madeleine	50	537	8	11	7	7	24
Inuvik/Mike Zubko	28	1,611	24	10	14	8	82
Iqaluit	15	2,215	9	9	16	9	105
Kamloops	11	2,386	1	10	13	7	101
Kenora	24	1,751	18	11	19	18	102
Kingston	20	1,931	6	10	20	31	106
Kuujuuaq	21	1,922	8	16	15	8	108
La Grande Rivière	46	844	29	12	9	8	39
La Ronge	26	1,687	10	16	13	3	92
Lethbridge	23	1,877	15	13	20	5	91
Lloydminster	41	1,061	21	10	11	20	68
Medicine Hat	27	1,632	23	21	22	1	86
Mont-Joli	49	690	17	17	10	23	47
Montréal/Mirabel International	17	2,099	17	11	13	31	108
Nanaimo	3	2,959	21	14	26	21	139
Norman Wells	37	1,281	16	18	11	18	59
North Bay	32	1,498	16	10	12	26	85
Ottawa/Gatineau	19	2,030	31	14	21	12	137
Peace River	47	813	11	9	10	24	52
Penticton	31	1,525	5	10	11	28	73
Port Hardy	25	1,722	3	11	26	3	103
Prince Albert	22	1,920	9	13	15	9	104
Prince Rupert	51	457	8	14	9	8	31
Rankin Inlet	12	2,317	5	15	20	1	133
Red Deer Regional	10	2,470	9	11	25	9	141
Rouyn-Noranda	36	1,289	27	15	10	27	63
Saint John	34	1,374	24	19	16	24	93
Sept-Îles	8	2,528	9	14	19	30	127
Sioux Lookout	5	2,703	12	17	17	15	124
Smithers	42	977	15	10	10	9	55
St. Catharines	18	2,079	27	16	25	27	161
Sudbury	2	3,168	18	18	21	19	165
Terrace	30	1,527	22	15	14	11	80
Thompson	4	2,720	25	15	15	9	123
Timmins	14	2,221	1	12	14	4	105
Val-d'Or	33	1,452	9	20	11	16	83
Victoria Harbour	1	3,581	16	8	20	25	157
Wabush	16	2,130	30	11	15	16	93
Whitecourt	43	947	2	16	8	4	61
Williams Lake	44	939	9	9	8	30	45

Table 10-1
Local movements, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	8	4,464	3	10	56	3	268
Boundary Bay	1	10,962	1	16	88	5	530
Calgary International	38	162	27	13	18	27	50
Calgary/Springbank	5	6,934	28	10	78	8	364
Chicoutimi/St-Honoré	14	3,366	31	22	88	31	504
Edmonton City Centre	32	536	7	11	24	15	44
Edmonton International	35	438	30	11	18	28	38
Edmonton/Villeneuve	11	4,144	1	11	60	11	204
Fort McMurray	31	600	23	10	22	4	66
Fredericton International	12	3,712	31	14	38	6	292
Gander International	29	710	12	19	26	24	96
Halifax/Robert L. Stanfield International	37	298	28	14	10	13	30
Hamilton	28	858	31	19	18	5	68
Kelowna	21	2,068	9	19	36	3	166
Kitchener/Waterloo	10	4,220	18	10	56	4	316
Langley	13	3,590	23	14	52	4	212
London	9	4,434	18	12	60	5	294
Moncton/Greater Moncton International	19	2,746	13	17	38	13	282
Montréal/Pierre Elliott Trudeau International	39	120	8	9	10	8	12
Montréal/St-Hubert	2	10,464	26	21	122	26	932
Oshawa	20	2,181	8	14	28	30	144
Ottawa/Macdonald-Cartier International	15	3,060	16	21	50	17	220
Pitt Meadows	3	8,570	11	17	96	24	470
Prince George	30	606	7	12	30	7	72
Québec/Jean Lesage International	16	3,046	25	11	60	12	236
Regina International	24	1,466	17	21	28	17	106
Saskatoon/John G. Diefenbaker International	18	2,848	9	16	40	26	194
Sault Ste. Marie	25	1,400	30	19	54	30	148
St. John's International	36	300	22	17	22	22	90
St-Jean	23	1,470	31	14	32	27	94
Thunder Bay	22	1,934	6	9	54	12	204
Toronto/Billy Bishop Toronto City	17	2,896	26	19	44	31	226
Toronto/Buttonville Municipal	4	7,502	1	8	72	4	548
Toronto/Lester B. Pearson International	40	112	4	19	6	3	10
Vancouver Harbour	42	4	9	16	2	9	2
Vancouver International	41	108	6	10	20	6	42
Victoria International	7	4,752	23	11	48	3	294
Whitehorse International	34	462	4	14	22	4	62
Windsor	27	988	3	15	32	4	82
Winnipeg/James Armstrong Richardson International	26	1,164	3	12	28	4	94
Winnipeg/St. Andrews	6	5,404	11	19	66	9	358
Yellowknife	33	510	24	20	32	12	58

Table 10-2
Local movements, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	14	684	11	10	36	15	94
Campbell River	9	882	30	11	30	1	96
Castlegar	32	120	5	15	20	23	38
Charlottetown	24	234	17	20	14	23	34
Churchill	46	10	2	12	10	2	10
Cranbrook	22	308	1	10	22	5	50
Deer Lake	37	68	3	14	24	3	50
Fort Nelson	33	86	10	10	20	10	46
Fort St. John	21	308	14	13	22	12	44
Grande Prairie	13	694	4	9	22	3	70
High Level	30	140	7	14	36	7	50
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	40	40	4	20	10	4	12
Iqaluit	36	76	30	11	12	30	32
Kamloops	3	1,419	31	12	68	18	106
Kenora	23	262	18	15	28	18	86
Kingston	7	1,180	2	11	32	31	104
Kuujuuaq	16	520	18	9	18	8	66
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	25	218	24	10	12	24	22
Lethbridge	11	800	2	14	28	10	72
Lloydminster	18	482	12	16	20	18	52
Medicine Hat	12	742	19	13	50	18	118
Mont-Joli	47	4	17	16	2	17	2
Montréal/Mirabel International	4	1,350	18	9	40	12	138
Nanaimo	10	835	12	14	26	12	78
Norman Wells	41	30	8	19	8	4	8
North Bay	5	1,278	31	14	54	31	154
Ottawa/Gatineau	1	2,972	19	19	42	31	266
Peace River	45	20	30	13	6	8	6
Penticton	8	967	31	14	50	31	145
Port Hardy	43	22	10	15	12	10	16
Prince Albert	28	162	18	11	38	18	62
Prince Rupert	42	28	25	19	10	25	14
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	2	2,496	22	16	48	14	198
Rouyn-Noranda	15	556	27	15	20	14	100
Saint John	19	426	14	14	16	14	60
Sept-Îles	27	176	18	16	36	18	58
Sioux Lookout	31	134	24	22	24	24	46
Smithers	34	82	18	16	10	20	28
St. Catharines	6	1,256	27	10	28	25	114
Sudbury	17	510	15	21	26	18	74
Terrace	44	22	25	19	10	25	10
Thompson	39	42	31	10	10	31	16
Timmins	35	80	5	22	20	5	34
Val-d'Or	26	202	16	11	38	16	58
Victoria Harbour	0	0	0	0	0	0	0
Wabush	38	52	12	18	12	12	12
Whitecourt	20	410	16	10	24	24	54
Williams Lake	29	148	23	11	24	23	30

Table 11-1
Local movements - civil, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	9	4,402	3	10	56	3	268
Boundary Bay	1	10,962	1	16	88	5	530
Calgary International	38	162	27	13	18	27	50
Calgary/Springbank	5	6,934	28	10	78	8	364
Chicoutimi/St-Honoré	14	3,366	31	22	88	31	504
Edmonton City Centre	32	536	7	11	24	15	44
Edmonton International	35	378	30	11	18	28	38
Edmonton/Villeneuve	11	4,144	1	11	60	11	204
Fort McMurray	30	594	23	10	22	4	66
Fredericton International	12	3,704	31	14	38	6	292
Gander International	29	710	12	19	26	24	96
Halifax/Robert L. Stanfield International	37	290	28	14	10	13	30
Hamilton	28	856	31	19	18	5	68
Kelowna	21	2,034	9	19	36	3	162
Kitchener/Waterloo	10	4,218	18	10	56	4	316
Langley	13	3,590	23	14	52	4	212
London	8	4,434	18	12	60	5	294
Moncton/Greater Moncton International	18	2,740	13	17	38	13	282
Montréal/Pierre Elliott Trudeau International	39	118	8	9	10	8	12
Montréal/St-Hubert	2	10,464	26	21	122	26	932
Oshawa	20	2,181	8	14	28	30	144
Ottawa/Macdonald-Cartier International	15	3,060	16	21	50	17	220
Pitt Meadows	3	8,570	11	17	96	24	470
Prince George	31	594	7	12	30	7	72
Québec/Jean Lesage International	16	3,040	25	11	60	12	236
Regina International	25	1,262	17	21	28	17	98
Saskatoon/John G. Diefenbaker International	19	2,690	9	16	40	26	174
Sault Ste. Marie	24	1,392	30	19	54	30	148
St. John's International	36	298	22	17	22	22	90
St-Jean	23	1,470	31	14	32	27	94
Thunder Bay	22	1,916	6	9	54	12	204
Toronto/Billy Bishop Toronto City	17	2,896	26	19	44	31	226
Toronto/Buttonville Municipal	4	7,502	1	8	72	4	548
Toronto/Lester B. Pearson International	40	112	4	19	6	3	10
Vancouver Harbour	42	4	9	16	2	9	2
Vancouver International	41	108	6	10	20	6	42
Victoria International	7	4,750	23	11	48	3	294
Whitehorse International	34	460	4	14	22	4	62
Windsor	27	986	3	15	32	4	82
Winnipeg/James Armstrong Richardson International	26	1,156	3	12	28	4	94
Winnipeg/St. Andrews	6	5,404	11	19	66	9	358
Yellowknife	33	508	24	20	32	12	58

Table 11-2
Local movements - civil, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	14	620	11	10	36	15	76
Campbell River	9	880	30	11	30	1	96
Castlegar	32	120	5	15	20	23	38
Charlottetown	23	224	17	20	14	23	34
Churchill	46	10	2	12	10	2	10
Cranbrook	22	308	1	10	22	5	50
Deer Lake	37	68	3	14	24	3	50
Fort Nelson	33	86	10	10	20	10	46
Fort St. John	21	308	14	13	22	12	44
Grande Prairie	13	694	4	9	22	3	70
High Level	30	140	7	14	36	7	50
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	40	40	4	20	10	4	12
Iqaluit	36	70	30	11	12	30	32
Kamloops	3	1,419	31	12	68	18	106
Kenora	26	176	18	15	28	18	66
Kingston	7	1,168	2	11	32	31	104
Kuujuuaq	16	520	18	9	18	8	66
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	24	218	24	10	12	24	22
Lethbridge	11	766	2	14	28	10	72
Lloydminster	18	482	12	16	20	18	52
Medicine Hat	12	736	19	13	50	18	118
Mont-Joli	47	4	17	16	2	17	2
Montréal/Mirabel International	4	1,342	18	9	40	12	138
Nanaimo	10	835	12	14	26	12	78
Norman Wells	41	30	8	19	8	4	8
North Bay	5	1,266	31	14	54	31	154
Ottawa/Gatineau	1	2,972	19	19	42	31	266
Peace River	45	20	30	13	6	8	6
Penticton	8	967	31	14	50	31	145
Port Hardy	43	22	10	15	12	10	16
Prince Albert	28	152	18	11	38	18	62
Prince Rupert	42	28	25	19	10	25	14
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	2	2,496	22	16	48	14	198
Rouyn-Noranda	15	556	27	15	20	14	100
Saint John	19	418	14	14	16	14	60
Sept-Îles	27	176	18	16	36	18	58
Sioux Lookout	31	134	24	22	24	24	46
Smithers	34	82	18	16	10	20	28
St. Catharines	6	1,256	27	10	28	25	114
Sudbury	17	510	15	21	26	18	74
Terrace	44	22	25	19	10	25	10
Thompson	39	42	31	10	10	31	16
Timmins	35	80	5	22	20	5	34
Val-d'Or	25	202	16	11	38	16	58
Victoria Harbour	0	0	0	0	0	0	0
Wabush	38	52	12	18	12	12	12
Whitecourt	20	410	16	10	24	24	54
Williams Lake	29	148	23	11	24	23	30

Table 12-1
Local movements - military, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	3	62	10	14	16	10	36
Boundary Bay	0	0	0	0	0	0	0
Calgary International	0	0	0	0	0	0	0
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	0	0	0	0	0	0	0
Edmonton City Centre	0	0	0	0	0	0	0
Edmonton International	4	60	11	17	12	11	16
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	12	6	2	11	2	11	4
Fredericton International	9	8	30	9	4	30	4
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	8	8	31	14	4	31	4
Hamilton	15	2	18	16	2	18	2
Kelowna	5	34	10	15	16	10	30
Kitchener/Waterloo	22	2	17	20	2	17	2
Langley	0	0	0	0	0	0	0
London	0	0	0	0	0	0	0
Moncton/Greater Moncton International	13	6	3	9	2	3	2
Montréal/Pierre Elliott Trudeau International	16	2	30	11	2	30	2
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	0	0	0	0	0	0	0
Pitt Meadows	0	0	0	0	0	0	0
Prince George	7	12	4	21	6	4	8
Québec/Jean Lesage International	14	6	5	14	2	5	2
Regina International	1	204	28	13	8	3	14
Saskatoon/John G. Diefenbaker International	2	158	5	14	18	5	32
Sault Ste. Marie	10	8	18	14	6	18	6
St. John's International	17	2	7	18	2	7	2
St-Jean	0	0	0	0	0	0	0
Thunder Bay	6	18	17	15	4	22	8
Toronto/Billy Bishop Toronto City	0	0	0	0	0	0	0
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/Lester B. Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	20	2	6	11	2	6	2
Whitehorse International	18	2	26	14	2	26	2
Windsor	19	2	6	22	2	6	2
Winnipeg/James Armstrong Richardson International	11	8	9	13	4	9	4
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	21	2	11	10	2	11	2

Table 12-2
Local movements - military, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	2	64	8	22	26	8	32
Campbell River	12	2	8	12	2	8	2
Castlegar	0	0	0	0	0	0	0
Charlottetown	6	10	4	15	2	4	2
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St. John	0	0	0	0	0	0	0
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	10	6	17	12	6	17	6
Kamloops	0	0	0	0	0	0	0
Kenora	1	86	3	12	20	3	26
Kingston	5	12	9	10	4	9	4
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	3	34	15	12	24	15	28
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	11	6	23	10	6	23	6
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	8	8	31	21	8	31	8
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	4	12	23	11	12	23	12
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	0	0	0	0	0	0	0
Prince Albert	7	10	2	14	2	2	2
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	9	8	30	10	4	30	4
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St. Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	0	0	0	0	0	0	0
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	0	0	0	0	0	0	0
Williams Lake	0	0	0	0	0	0	0

Methodology

Survey universe

Coverage

The survey covers all aircraft movements at Canadian airports with NAV CANADA air traffic control towers and flight service stations.

Methodology survey

The Itinerant movement record is designed to capture:

- Aircraft identification
- Aircraft type
- The last station before landing at the reporting airport or the next station after take-off
- Arrival or departure
- Time of movement
- Runway used
- Flight rules (Instrument flight rules or Visual flight rules).

The Local aircraft movement record provides for reports of local movements by:

- Hour
- Single engine aircraft
- Multi-engine aircraft
- Jet aircraft
- Military aircraft
- Date of movement

Processing of aircraft movement statistics involves several stages. Monthly data by class of operation are released in Aircraft movement statistics - Monthly report, catalogue nos. 51-007-X and 51-008-X (TP-141). Annual tables, which may reflect revisions, are released in the two annual publications, catalogue 51-209-X Aircraft movement statistics – NAV CANADA Towers and Flight Service Stations: Annual report (TP-577) and catalogue 51-210-X Aircraft movement statistics – Airports Without Air Traffic Control Towers: Annual report (TP-577). In particular, data on itinerant movements by type of operation may reflect revisions as various sources of comparative information (data collected from commercial air carriers by the Aviation Statistics Centre, Statistics Canada) become available during the processing cycle. Finally, when revisions are required after the release of 51-209-X and 51-210-X, they are contained in the five year historical summary of subsequent editions of these reports. These revisions are also reflected in the CANSIM tables, both monthly and annual.

The records are completed daily, based on a twenty-four hour clock running from zero hour to 23:59. The times recorded are Coordinated Universal Time (UTC); however, published statistics are shown in local times. The records are transmitted to the Aviation Statistics Centre.

The Aviation Statistics Centre maintains a data base of parameter files of current information on all registered aircraft. The storage of this information reduces the reporting burden of the survey respondents and limits the element of human error associated with the preparation of source documents.

Other parameter files information includes registered aircraft identifications and their corresponding aircraft types, maximum 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 flights (commercial, private and government) and the geographical area in which the flights take place.

The parameter files also include airport environment information against which the airport category is checked; the reported runway is validated and the time difference between UTC and Local is assigned.

Data quality and limitations

Aircraft movement statistics are accumulated from data originating with air traffic control tower units or flight service station personnel. Because staff in these positions are highly trained in factual observation and reporting, the entries in the data bank are of a high quality.

The procedures for reporting aircraft movements on the Daily air traffic records by tower units are described in the NAV CANADA Air traffic control manual of operations (TP 703) Volume 1, Para. 1023 to 1023.5. Definitions for terms used in these paragraphs can be found in the appendix II "Glossary of terms" of this report.

To maintain uniformity in the reporting of source data, ASC issues to air traffic control units an "Air traffic designators" handbook (TP 143) listing 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 references to help ensure the reporting of the proper aircraft identity and the point of origin and destination of flights.

The processing system contains editing procedures designed to identify data errors occurring during transcription or during data capture of forms. Identified errors are manually corrected by Aviation Statistics Centre editing staff.

Errors may occur if an aircraft type code which exists is reported or data captured in error for a flight. For example, the reporting or keying of B727 for a flight actually performed by a B737 may not be detected during the system editing. That the aircraft type information is recorded by highly trained air traffic control tower staff using a common handbook of official aircraft codes will minimize this problem.

Similarly, the breakdown of the data on a geographic basis by use of location codes can be subject to error. For smaller locations, alphanumeric location codes are often used and the sequence of numbers and letters determines the geographic area to which the data are assigned. In some cases, where a sequence error has been introduced into the system either at the reporting unit or at data capture, a domestic movement may be classified as transborder or vice versa. The use of common manuals of location identifiers works to minimize this occurrence.

Appendix I

Factors influencing the data

Hurricane Irene struck the northeastern United States and eastern Canada in August forcing numerous flight delays and cancellations.

The main runway at Greater Moncton International Airport will be closed for a massive reconstruction from May to August 2011.

Bearskin Airlines has initiated daily non-stop flights between the Waterloo Region International Airport and Montreal's Pierre Elliott Trudeau International Airport in May 2011.

In May 2011 WestJet has begun the reintroduction of flights from Munro Hamilton International Airport, the addition of non-stop service from Vancouver and Calgary to Orange County, California and between Toronto and Montreal as well as between Toronto and Ottawa.

Effective in May 2011 Porter Airlines runs daily non-stop round trips from Billy Bishop Toronto City Airport to Windsor Airport and Sault Ste. Marie.

Starting May 1, 2011 Air Canada started cutting the following routes: Ottawa to Thunder Bay; Ottawa to Dulles International in Washington; Montreal to Dulles International in Washington; Calgary to London, Ontario; and Calgary to San Francisco.

Starting May 1, 2011 Air Canada began daily service between Billy Bishop Toronto City Airport and Montreal/Pierre Elliott Trudeau International.

Appendix II

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.