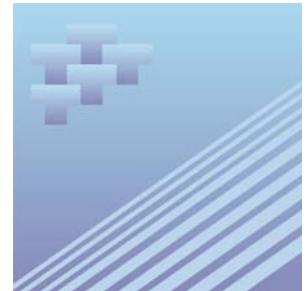# Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations (TP 141)

September 2012

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Statistics Canada
Transportation Division

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

September 2012

Note of appreciation

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

0s   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

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

Table of contents

Table of contents – continued

Data quality, concepts and methodology

Appendix

Highlights

There were 507,660 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in September 2012 compared with 507,364 movements in September 2011.

Itinerant movements (flights from one airport to another) increased (+580 movements) in September 2012 from the same month in 2011. These airports reported 368,806 movements compared with 368,226 movements in September 2011.

There were 138,854 local movements (flights that remain in the vicinity of the airport) in September 2012 compared with 139,138 movements in September 2011.

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

	NAV CANADA towers	Percentage change, September 2011 to September 2012	NAV CANADA Flight Service Stations	Percentage change, September 2011 to September 2012	Total	Percentage change, September 2011 to September 2012
	number	percent	number	percent	number	percent
Grand total	**400,420**	**-0.9**	**107,240**	**3.9**	**507,660**	**0.1**
Itinerant movements						
Air carriers	215,671	-1.9	58,801	-1.1	274,472	-1.7
Other commercial movements	28,713	15.5	4,475	18.0	33,188	15.8
Private movements	33,933	3.7	13,448	2.4	47,381	3.3
Government civil movements	5,369	-6.2	1,911	-3.8	7,280	-5.6
Government military movements	4,206	-14.6	2,279	29.9	6,485	-2.9
Itinerant total	287,892	-0.1	80,914	1.0	368,806	0.2
Local movements						
Civil local movements	112,199	-3.0	26,230	14.7	138,429	-0.1
Military local movements	329	-6.0	96	-48.9	425	-21.0
Local total	112,528	-3.1	26,326	14.2	138,854	-0.2

Analysis

There were 507,660 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in September 2012 compared with 507,364 movements in September 2011. Year-over-year increases were reported by 44 airports. Toronto/Lester B. Pearson International, Ontario (36,706 movements) and Vancouver International, British Columbia (26,666 movements) were the most active sites in September.

Itinerant movements (flights from one airport to another) increased (+580 movements) in September 2012 from the same month in 2011. These airports reported 368,806 movements compared with 368,226 movements in September 2011. Year-over-year variations ranged from an increase of 1,830 movements (+31.8%) at Fort McMurray, Alberta to a drop of 1,388 movements (-32.7%) at Moncton/Greater Moncton International, New Brunswick. Forty-eight airports reported year-over-year increases in the number of itinerant aircraft movements in September 2012.

In September 2012, there were 138,854 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 0.2% (-284 movements) compared with the previous year. Boundary Bay, British Columbia (10,214 movements) and Montréal/St-Hubert, Quebec (7,256 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 314,614 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in September 2012, down 0.1% (-471 movements) from September 2011. Vancouver International, British Columbia (20,257 movements) and Calgary International, Alberta (16,176 movements) reported the greatest number of domestic itinerant movements. Forty-four airports reported year-over-year increases in the number of domestic movements in September 2012.

Eighty-seven airports recorded 43,995 transborder itinerant movements (between Canada and the United States) in September 2012, up 2.7% from the same month in 2011. Toronto/Lester B. Pearson International, Ontario (15,823 movements) reported the greatest number of transborder itinerant movements.

In September 2012, thirty-five airports reported 10,197 other international itinerant movements, down 0.9% from September 2011. Toronto/Lester B. Pearson International, Ontario, recorded 4,827 other international itinerant movements. This represents 47.3% 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	14	10,190	25	3,692	4	6,498
Boundary Bay	5	17,694	12	7,480	1	10,214
Calgary International	3	20,251	3	20,097	38	154
Calgary/Springbank	9	12,459	17	5,793	3	6,666
Chicoutimi/St-Honoré	22	8,200	40	1,860	5	6,340
Edmonton City Centre	30	5,601	20	4,947	31	654
Edmonton International	12	11,465	6	11,159	35	306
Edmonton/Villeneuve	28	6,031	37	2,203	12	3,828
Fort McMurray	21	8,204	11	7,586	32	618
Fredericton International	24	7,014	32	3,036	11	3,978
Gander International	38	3,208	38	2,162	27	1,046
Halifax/Robert L. Stanfield International	25	6,968	13	6,678	36	290
Hamilton	39	3,095	35	2,423	29	672
Kelowna	23	7,291	21	4,589	19	2,702
Kitchener/Waterloo	19	8,455	24	3,975	10	4,480
Langley	26	6,680	27	3,592	16	3,088
London	27	6,632	22	4,076	20	2,556
Moncton/Greater Moncton International	35	3,984	33	2,854	26	1,130
Montréal/Pierre Elliott Trudeau International	4	19,452	4	19,380	40	72
Montréal/St-Hubert	8	13,882	14	6,626	2	7,256
Oshawa	31	5,544	30	3,216	22	2,328
Ottawa/Macdonald-Cartier International	6	14,939	5	11,565	14	3,374
Pitt Meadows	16	9,812	23	3,986	7	5,826
Prince George	40	2,735	36	2,223	33	512
Québec/Jean Lesage International	10	12,299	9	8,665	13	3,634
Regina International	33	4,832	26	3,674	25	1,158
Saskatoon/John G. Diefenbaker International	18	8,673	15	5,925	18	2,748
Sault Ste. Marie	32	5,364	34	2,466	17	2,898
St. John's International	36	3,743	28	3,547	37	196
St-Jean	37	3,305	39	1,865	23	1,440
Thunder Bay	17	8,774	18	5,576	15	3,198
Toronto/Billy Bishop Toronto City	15	10,113	10	7,705	21	2,408
Toronto/Buttonville Municipal	11	11,698	19	5,530	6	6,168
Toronto/Lester B. Pearson International	1	36,706	1	36,620	39	86
Vancouver Harbour	29	5,865	16	5,859	42	6
Vancouver International	2	26,666	2	26,614	41	52
Victoria International	7	14,002	8	8,704	8	5,298
Whitehorse International	42	2,232	41	1,728	34	504
Windsor	41	2,679	42	1,647	28	1,032
Winnipeg/James Armstrong Richardson International	13	11,290	7	9,970	24	1,320
Winnipeg/St. Andrews	20	8,225	31	3,095	9	5,130
Yellowknife	34	4,168	29	3,504	30	664
Total of NAV CANADA towers (42)	.	**400,420**	.	**287,892**	.	**112,528**

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	16	2,514	18	1,753	15	761
Campbell River	10	3,136	15	1,871	7	1,265
Castlegar	23	2,133	35	1,185	10	948
Charlottetown	40	1,081	40	1,005	34	76
Churchill	47	815	48	769	41	46
Cranbrook	43	1,022	41	970	38	52
Deer Lake	33	1,449	26	1,401	40	48
Fort Nelson	15	2,669	7	2,539	28	130
Fort St. John	11	2,882	11	2,396	18	486
Grande Prairie	4	4,092	1	3,210	12	882
High Level	46	964	42	944	44	20
Îles-de-la-Madeleine	50	429	50	429	0	0
Inuvik/Mike Zubko	31	1,507	27	1,387	29	120
Iqaluit	25	1,731	19	1,683	39	48
Kamloops	3	4,169	10	2,407	4	1,762
Kenora	44	996	45	890	31	106
Kingston	18	2,407	23	1,517	11	890
Kuujjuaq	38	1,321	32	1,261	36	60
La Grande Rivière	49	654	49	652	48	2
La Ronge	32	1,504	29	1,329	26	175
Lethbridge	22	2,265	25	1,465	13	800
Lloydminster	39	1,231	43	909	22	322
Medicine Hat	24	1,880	30	1,312	16	568
Mont-Joli	42	1,027	39	1,023	47	4
Montréal/Mirabel International	12	2,830	33	1,222	5	1,608
Nanaimo	7	3,938	9	2,444	6	1,494
Norman Wells	29	1,547	24	1,467	32	80
North Bay	5	4,039	17	1,827	3	2,212
Ottawa/Gatineau	2	4,928	16	1,842	1	3,086
Peace River	48	808	46	800	46	8
Penticton	20	2,304	22	1,534	14	770
Port Hardy	41	1,054	38	1,032	43	22
Prince Albert	27	1,674	20	1,650	42	24
Prince Rupert	51	225	51	223	49	2
Rankin Inlet	36	1,334	28	1,334	0	0
Red Deer Regional	1	5,100	5	2,628	2	2,472
Rouyn-Noranda	30	1,527	34	1,190	20	337
Saint John	34	1,406	36	1,176	25	230
Sept-Îles	13	2,751	8	2,495	23	256
Sioux Lookout	17	2,407	12	2,347	35	60
Smithers	35	1,385	37	1,151	24	234
St. Catharines	8	3,934	4	2,670	8	1,264
Sudbury	6	4,021	3	3,051	9	970
Terrace	28	1,671	21	1,563	30	108
Thompson	14	2,722	6	2,578	27	144
Timmins	21	2,288	13	2,236	37	52
Val-d'Or	26	1,675	31	1,293	19	382
Victoria Harbour	9	3,171	2	3,159	45	12
Wabush	19	2,328	14	2,006	21	322
Whitecourt	37	1,322	47	796	17	526
Williams Lake	45	973	44	893	33	80
Total of all flight service stations (51)	.	**107,240**	.	**80,914**	.	**26,326**

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				
	number						
Abbotsford	10,129	2,539	1,094	6,496	61	59	2
Boundary Bay	17,682	5,481	1,987	10,214	12	12	0
Calgary International	20,205	18,375	1,676	154	46	46	0
Calgary/Springbank	12,440	3,848	1,926	6,666	19	19	0
Chicoutimi/St-Honoré	8,196	1,563	297	6,336	4	0	4
Edmonton City Centre	5,585	3,362	1,569	654	16	16	0
Edmonton International	11,435	10,308	827	300	30	24	6
Edmonton/Villeneuve	5,013	662	523	3,828	1,018	1,018	0
Fort McMurray	8,196	6,653	927	616	8	6	2
Fredericton International	6,997	2,800	219	3,978	17	17	0
Gander International	2,999	1,557	402	1,040	209	203	6
Halifax/Robert L. Stanfield International	6,878	6,240	358	280	90	80	10
Hamilton	3,091	1,884	535	672	4	4	0
Kelowna	7,212	3,656	876	2,680	79	57	22
Kitchener/Waterloo	8,448	2,830	1,138	4,480	7	7	0
Langley	6,214	1,774	1,352	3,088	466	466	0
London	6,601	3,238	827	2,536	31	11	20
Moncton/Greater Moncton International	3,970	2,461	387	1,122	14	6	8
Montréal/Pierre Elliott Trudeau International	19,439	17,974	1,393	72	13	13	0
Montréal/St-Hubert	13,779	5,156	1,367	7,256	103	103	0
Oshawa	5,539	2,286	927	2,326	5	3	2
Ottawa/Macdonald-Cartier International	14,778	10,311	1,099	3,368	161	155	6
Pitt Meadows	9,808	2,280	1,702	5,826	4	4	0
Prince George	2,723	1,745	466	512	12	12	0
Québec/Jean Lesage International	12,216	7,126	1,470	3,620	83	69	14
Regina International	4,622	2,872	738	1,012	210	64	146
Saskatoon/John G. Diefenbaker International	8,533	4,841	998	2,694	140	86	54
Sault Ste. Marie	5,335	2,201	236	2,898	29	29	0
St. John's International	3,563	2,919	448	196	180	180	0
St-Jean	2,563	219	904	1,440	742	742	0
Thunder Bay	8,694	5,001	512	3,181	80	63	17
Toronto/Billy Bishop Toronto City	10,097	7,076	613	2,408	16	16	0
Toronto/Buttonville Municipal	11,688	2,854	2,666	6,168	10	10	0
Toronto/Lester B. Pearson International	36,644	35,276	1,282	86	62	62	0
Vancouver Harbour	5,865	5,799	60	6	0	0	0
Vancouver International	26,646	25,292	1,302	52	20	20	0
Victoria International	13,834	6,773	1,769	5,292	168	162	6
Whitehorse International	2,230	1,337	389	504	2	2	0
Windsor	2,660	1,083	545	1,032	19	19	0
Winnipeg/James Armstrong Richardson International	11,016	8,846	854	1,316	274	270	4
Winnipeg/St. Andrews	8,223	2,621	472	5,130	2	2	0
Yellowknife	4,099	3,265	170	664	69	69	0
Total of NAV CANADA towers (42)	**395,885**	**244,384**	**39,302**	**112,199**	**4,535**	**4,206**	**329**

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	1,991	415	817	759	523	521	2
Campbell River	3,134	1,386	485	1,263	2	0	2
Castlegar	2,109	1,086	85	938	24	14	10
Charlottetown	1,063	760	233	70	18	12	6
Churchill	811	699	66	46	4	4	0
Cranbrook	1,008	664	296	48	14	10	4
Deer Lake	1,441	1,292	101	48	8	8	0
Fort Nelson	2,645	2,331	184	130	24	24	0
Fort St. John	2,870	2,008	376	486	12	12	0
Grande Prairie	3,751	2,270	599	882	341	341	0
High Level	964	836	108	20	0	0	0
Îles-de-la-Madeleine	425	360	65	0	4	4	0
Inuvik/Mike Zubko	1,487	1,337	32	118	20	18	2
Iqaluit	1,711	1,494	169	48	20	20	0
Kamloops	4,157	1,819	576	1,762	12	12	0
Kenora	969	697	166	106	27	27	0
Kingston	2,379	1,055	438	886	28	24	4
Kuujjuaq	1,309	1,155	94	60	12	12	0
La Grande Rivière	652	578	72	2	2	2	0
La Ronge	1,502	1,107	220	175	2	2	0
Lethbridge	2,236	921	515	800	29	29	0
Lloydminster	1,225	498	405	322	6	6	0
Medicine Hat	1,820	861	391	568	60	60	0
Mont-Joli	854	677	173	4	173	173	0
Montréal/Mirabel International	2,811	965	246	1,600	19	11	8
Nanaimo	3,756	1,228	1,034	1,494	182	182	0
Norman Wells	1,547	1,412	55	80	0	0	0
North Bay	3,999	1,274	513	2,212	40	40	0
Ottawa/Gatineau	4,849	828	985	3,036	79	29	50
Peace River	808	714	86	8	0	0	0
Penticton	2,231	936	525	770	73	73	0
Port Hardy	1,042	914	108	20	12	10	2
Prince Albert	1,665	1,414	227	24	9	9	0
Prince Rupert	223	185	36	2	2	2	0
Rankin Inlet	1,328	1,318	10	0	6	6	0
Red Deer Regional	5,094	1,744	878	2,472	6	6	0
Rouyn-Noranda	1,525	1,015	173	337	2	2	0
Saint John	1,389	820	345	224	17	11	6
Sept-Îles	2,749	2,186	307	256	2	2	0
Sioux Lookout	2,395	2,258	77	60	12	12	0
Smithers	1,378	974	170	234	7	7	0
St. Catharines	3,574	1,247	1,063	1,264	360	360	0
Sudbury	3,993	2,497	526	970	28	28	0
Terrace	1,641	1,366	167	108	30	30	0
Thompson	2,722	2,368	210	144	0	0	0
Timmins	2,286	1,977	257	52	2	2	0
Val-d'Or	1,576	990	204	382	99	99	0
Victoria Harbour	3,161	3,059	90	12	10	10	0
Wabush	2,323	1,826	175	322	5	5	0
Whitecourt	1,320	761	33	526	2	2	0
Williams Lake	967	694	193	80	6	6	0
Total of all flight service stations (51)	**104,865**	**63,276**	**15,359**	**26,230**	**2,375**	**2,279**	**96**

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	3,692	463	1,899	177	1,038	56	59
Boundary Bay	7,480	4	1,213	4,264	1,963	24	12
Calgary International	20,097	17,288	991	96	1,193	483	46
Calgary/Springbank	5,793	40	771	3,037	1,909	17	19
Chicoutimi/St-Honoré	1,860	397	59	1,107	289	8	0
Edmonton City Centre	4,947	1,103	834	1,425	948	621	16
Edmonton International	11,159	9,968	222	118	815	12	24
Edmonton/Villeneuve	2,203	16	105	541	523	0	1,018
Fort McMurray	7,586	1,842	4,351	460	876	51	6
Fredericton International	3,036	833	1,952	15	172	47	17
Gander International	2,162	1,449	75	33	308	94	203
Halifax/Robert L. Stanfield International	6,678	5,834	390	16	307	51	80
Hamilton	2,423	1,672	100	112	301	234	4
Kelowna	4,589	2,903	268	485	795	81	57
Kitchener/Waterloo	3,975	431	2,362	37	1,137	1	7
Langley	3,592	15	105	1,654	1,352	0	466
London	4,076	1,225	339	1,674	769	58	11
Moncton/Greater Moncton International	2,854	1,582	872	7	222	165	6
Montréal/Pierre Elliott Trudeau International	19,380	17,056	860	58	1,225	168	13
Montréal/St-Hubert	6,626	2,665	715	1,776	1,267	100	103
Oshawa	3,216	32	116	2,138	834	93	3
Ottawa/Macdonald-Cartier International	11,565	7,792	306	2,213	639	460	155
Pitt Meadows	3,986	10	1,543	727	1,660	42	4
Prince George	2,223	1,122	571	52	421	45	12
Québec/Jean Lesage International	8,665	4,413	2,215	498	1,148	322	69
Regina International	3,674	2,032	809	31	577	161	64
Saskatoon/John G. Diefenbaker International	5,925	3,403	1,001	437	706	292	86
Sault Ste. Marie	2,466	962	100	1,139	158	78	29
St. John's International	3,547	2,531	378	10	259	189	180
St-Jean	1,865	5	135	79	904	0	742
Thunder Bay	5,576	3,142	265	1,594	358	154	63
Toronto/Billy Bishop Toronto City	7,705	5,195	762	1,119	593	20	16
Toronto/Buttonville Municipal	5,530	140	2,674	40	2,460	206	10
Toronto/Lester B. Pearson International	36,620	34,643	610	23	1,258	24	62
Vancouver Harbour	5,859	5,317	475	7	49	11	0
Vancouver International	26,614	23,205	1,992	95	928	374	20
Victoria International	8,704	3,268	3,098	407	1,755	14	162
Whitehorse International	1,728	848	477	12	349	40	2
Windsor	1,647	594	472	17	524	21	19
Winnipeg/James Armstrong Richardson International	9,970	8,397	407	42	380	474	270
Winnipeg/St. Andrews	3,095	588	1,317	716	472	0	2
Yellowknife	3,504	2,591	449	225	92	78	69
Total of NAV CANADA towers (42)	**287,892**	**177,016**	**38,655**	**28,713**	**33,933**	**5,369**	**4,206**

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	1,753	96	288	31	801	16	521
Campbell River	1,871	667	418	301	468	17	0
Castlegar	1,185	271	221	594	74	11	14
Charlottetown	1,005	718	42	0	216	17	12
Churchill	769	646	52	1	42	24	4
Cranbrook	970	538	91	35	290	6	10
Deer Lake	1,401	1,195	58	39	33	68	8
Fort Nelson	2,539	448	1,866	17	184	0	24
Fort St. John	2,396	800	1,181	27	372	4	12
Grande Prairie	3,210	1,097	1,070	103	577	22	341
High Level	944	401	412	23	84	24	0
Îles-de-la-Madeleine	429	331	29	0	23	42	4
Inuvik/Mike Zubko	1,387	956	380	1	9	23	18
Iqaluit	1,683	1,287	142	65	72	97	20
Kamloops	2,407	795	721	303	513	63	12
Kenora	890	362	241	94	118	48	27
Kingston	1,517	427	399	229	414	24	24
Kuujjuaq	1,261	932	147	76	62	32	12
La Grande Rivière	652	433	129	16	58	14	2
La Ronge	1,329	1,086	20	1	108	112	2
Lethbridge	1,465	462	55	404	502	13	29
Lloydminster	909	213	254	31	389	16	6
Medicine Hat	1,312	496	261	104	385	6	60
Mont-Joli	1,023	488	185	4	143	30	173
Montréal/Mirabel International	1,222	646	312	7	242	4	11
Nanaimo	2,444	458	694	76	986	48	182
Norman Wells	1,467	651	755	6	32	23	0
North Bay	1,827	640	329	305	448	65	40
Ottawa/Gatineau	1,842	241	405	182	927	58	29
Peace River	800	351	358	5	82	4	0
Penticton	1,534	326	586	24	519	6	73
Port Hardy	1,032	690	222	2	68	40	10
Prince Albert	1,650	1,352	51	11	113	114	9
Prince Rupert	223	177	8	0	24	12	2
Rankin Inlet	1,334	941	377	0	2	8	6
Red Deer Regional	2,628	335	1,257	152	865	13	6
Rouyn-Noranda	1,190	725	187	103	153	20	2
Saint John	1,176	707	59	54	343	2	11
Sept-Îles	2,495	1,255	846	85	221	86	2
Sioux Lookout	2,347	1,911	137	210	44	33	12
Smithers	1,151	507	429	38	150	20	7
St. Catharines	2,670	18	1,198	31	1,044	19	360
Sudbury	3,051	1,563	490	444	363	163	28
Terrace	1,563	688	656	22	125	42	30
Thompson	2,578	2,056	300	12	76	134	0
Timmins	2,236	1,822	145	10	122	135	2
Val-d'Or	1,293	806	126	58	169	35	99
Victoria Harbour	3,159	3,045	14	0	5	85	10
Wabush	2,006	1,484	282	60	162	13	5
Whitecourt	796	8	700	53	33	0	2
Williams Lake	893	424	244	26	193	0	6
Total of all flight service stations (51)	**80,914**	**38,972**	**19,829**	**4,475**	**13,448**	**1,911**	**2,279**

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	number
Abbotsford	3,692	609	16.4	3,083	83.5	2,225
Boundary Bay	7,480	342	4.5	7,138	95.4	991
Calgary International	20,097	19,079	94.9	1,018	5.0	378
Calgary/Springbank	5,793	449	7.7	5,344	92.2	194
Chicoutimi/St-Honoré	1,860	152	8.1	1,708	91.8	227
Edmonton City Centre	4,947	2,033	41.0	2,914	58.9	1,631
Edmonton International	11,159	10,777	96.5	382	3.4	881
Edmonton/Villeneuve	2,203	78	3.5	2,125	96.4	109
Fort McMurray	7,586	2,411	31.7	5,175	68.2	314
Fredericton International	3,036	992	32.6	2,044	67.3	131
Gander International	2,162	1,186	54.8	976	45.1	240
Halifax/Robert L. Stanfield International	6,678	6,404	95.8	274	4.1	235
Hamilton	2,423	1,897	78.2	526	21.7	1,067
Kelowna	4,589	2,639	57.5	1,950	42.4	891
Kitchener/Waterloo	3,975	692	17.4	3,283	82.5	842
Langley	3,592	20	0.5	3,572	99.4	1,252
London	4,076	1,450	35.5	2,626	64.4	547
Moncton/Greater Moncton International	2,854	1,767	61.9	1,087	38.0	81
Montréal/Pierre Elliott Trudeau International	19,380	18,876	97.3	504	2.6	1,568
Montréal/St-Hubert	6,626	1,797	27.1	4,829	72.8	1,053
Oshawa	3,216	187	5.8	3,029	94.1	659
Ottawa/Macdonald-Cartier International	11,565	8,508	73.5	3,057	26.4	958
Pitt Meadows	3,986	34	0.8	3,952	99.1	2,439
Prince George	2,223	1,248	56.1	975	43.8	619
Québec/Jean Lesage International	8,665	5,531	63.8	3,134	36.1	1,655
Regina International	3,674	2,424	65.9	1,250	34.0	205
Saskatoon/John G. Diefenbaker International	5,925	4,005	67.5	1,920	32.4	464
Sault Ste. Marie	2,466	1,096	44.4	1,370	55.5	122
St. John's International	3,547	3,172	89.4	375	10.5	213
St-Jean	1,865	24	1.2	1,841	98.7	397
Thunder Bay	5,576	3,367	60.3	2,209	39.6	204
Toronto/Billy Bishop Toronto City	7,705	5,461	70.8	2,244	29.1	1,826
Toronto/Buttonville Municipal	5,530	643	11.6	4,887	88.3	1,265
Toronto/Lester B. Pearson International	36,620	36,534	99.7	86	0.2	211
Vancouver Harbour	5,859	56	0.9	5,803	99.0	2,791
Vancouver International	26,614	21,137	79.4	5,477	20.5	4,989
Victoria International	8,704	3,623	41.6	5,081	58.3	4,107
Whitehorse International	1,728	680	39.3	1,048	60.6	666
Windsor	1,647	752	45.6	895	54.3	195
Winnipeg/James Armstrong Richardson International	9,970	8,923	89.4	1,047	10.5	510
Winnipeg/St. Andrews	3,095	107	3.4	2,988	96.5	203
Yellowknife	3,504	2,018	57.5	1,486	42.4	1,110
Total of NAV CANADA towers (42)	**287,892**	**183,180**	**63.6**	**104,712**	**36.4**	**40,665**

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	number
Brandon Municipal	1,753	152	8.6	1,601	91.3	148
Campbell River	1,871	523	27.9	1,348	72.0	961
Castlegar	1,185	262	22.1	923	77.8	118
Charlottetown	1,005	832	82.7	173	17.2	78
Churchill	769	675	87.7	94	12.2	185
Cranbrook	970	614	63.2	356	36.7	280
Deer Lake	1,401	1,235	88.1	166	11.8	73
Fort Nelson	2,539	482	18.9	2,057	81.0	126
Fort St. John	2,396	876	36.5	1,520	63.4	152
Grande Prairie	3,210	1,322	41.1	1,888	58.8	329
High Level	944	239	25.3	705	74.6	269
Îles-de-la-Madeleine	429	416	96.9	13	3.0	6
Inuvik/Mike Zubko	1,387	397	28.6	990	71.3	61
Iqaluit	1,683	1,298	77.1	385	22.8	55
Kamloops	2,407	912	37.8	1,495	62.1	439
Kenora	890	414	46.5	476	53.4	235
Kingston	1,517	585	38.5	932	61.4	194
Kuujjuaq	1,261	506	40.1	755	59.8	268
La Grande Rivière	652	520	79.7	132	20.2	193
La Ronge	1,329	778	58.5	551	41.4	826
Lethbridge	1,465	534	36.4	931	63.5	69
Lloydminster	909	288	31.6	621	68.3	30
Medicine Hat	1,312	439	33.4	873	66.5	180
Mont-Joli	1,023	643	62.8	380	37.1	22
Montréal/Mirabel International	1,222	752	61.5	470	38.4	1,654
Nanaimo	2,444	555	22.7	1,889	77.2	1,328
Norman Wells	1,467	223	15.2	1,244	84.7	822
North Bay	1,827	725	39.6	1,102	60.3	592
Ottawa/Gatineau	1,842	190	10.3	1,652	89.6	554
Peace River	800	357	44.6	443	55.3	20
Penticton	1,534	256	16.6	1,278	83.3	284
Port Hardy	1,032	337	32.6	695	67.3	203
Prince Albert	1,650	1,430	86.6	220	13.3	91
Prince Rupert	223	169	75.7	54	24.2	22
Rankin Inlet	1,334	922	69.1	412	30.8	88
Red Deer Regional	2,628	431	16.4	2,197	83.5	424
Rouyn-Noranda	1,190	985	82.7	205	17.2	121
Saint John	1,176	934	79.4	242	20.5	26
Sept-Îles	2,495	1,726	69.1	769	30.8	591
Sioux Lookout	2,347	1,779	75.7	568	24.2	898
Smithers	1,151	479	41.6	672	58.3	1,065
St. Catharines	2,670	167	6.2	2,503	93.7	485
Sudbury	3,051	1,724	56.5	1,327	43.4	191
Terrace	1,563	681	43.5	882	56.4	254
Thompson	2,578	1,748	67.8	830	32.1	540
Timmins	2,236	1,836	82.1	400	17.8	110
Val-d'Or	1,293	902	69.7	391	30.2	506
Victoria Harbour	3,159	55	1.7	3,104	98.2	1,170
Wabush	2,006	1,637	81.6	369	18.3	354
Whitecourt	796	14	1.7	782	98.2	218
Williams Lake	893	430	48.1	463	51.8	204
Total of all flight service stations (51)	**80,914**	**36,386**	**45.0**	**44,528**	**55.0**	**18,112**

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	3,692	448	195	2,181	852	16
Boundary Bay	7,480	14	66	7,053	347	0
Calgary International	20,097	13,511	5,421	357	808	0
Calgary/Springbank	5,793	81	166	4,733	813	0
Chicoutimi/St-Honoré	1,860	4	91	1,522	243	0
Edmonton City Centre	4,947	344	1,536	2,163	904	0
Edmonton International	11,159	7,038	3,765	323	33	0
Edmonton/Villeneuve	2,203	22	38	1,527	110	506
Fort McMurray	7,586	1,312	1,695	1,237	3,342	0
Fredericton International	3,036	56	915	1,954	111	0
Gander International	2,162	523	652	793	179	15
Halifax/Robert L. Stanfield International	6,678	3,661	2,567	148	302	0
Hamilton	2,423	1,310	578	449	86	0
Kelowna	4,589	1,180	1,546	1,674	186	3
Kitchener/Waterloo	3,975	300	312	3,047	310	6
Langley	3,592	0	9	3,013	309	261
London	4,076	403	1,073	2,402	198	0
Moncton/Greater Moncton International	2,854	671	1,061	1,030	92	0
Montréal/Pierre Elliott Trudeau International	19,380	12,288	6,510	326	256	0
Montréal/St-Hubert	6,626	235	1,113	4,905	363	10
Oshawa	3,216	19	44	3,010	143	0
Ottawa/Macdonald-Cartier International	11,565	5,827	2,668	2,653	417	0
Pitt Meadows	3,986	1	2	3,670	313	0
Prince George	2,223	290	1,066	624	243	0
Québec/Jean Lesage International	8,665	1,351	4,057	2,400	857	0
Regina International	3,674	1,635	671	1,293	74	1
Saskatoon/John G. Diefenbaker International	5,925	1,880	2,048	1,963	34	0
Sault Ste. Marie	2,466	65	1,068	1,264	69	0
St. John's International	3,547	1,501	1,526	140	380	0
St-Jean	1,865	0	0	1,250	35	580
Thunder Bay	5,576	417	3,017	1,856	286	0
Toronto/Billy Bishop Toronto City	7,705	8	5,423	1,703	565	6
Toronto/Buttonville Municipal	5,530	62	358	4,802	307	1
Toronto/Lester B. Pearson International	36,620	30,006	6,568	46	0	0
Vancouver Harbour	5,859	0	3,473	1,544	842	0
Vancouver International	26,614	12,151	10,334	2,938	1,190	1
Victoria International	8,704	1,260	2,338	4,727	378	1
Whitehorse International	1,728	495	392	626	215	0
Windsor	1,647	197	538	886	26	0
Winnipeg/James Armstrong Richardson International	9,970	5,144	3,920	589	317	0
Winnipeg/St. Andrews	3,095	0	701	2,246	141	7
Yellowknife	3,504	689	2,085	274	456	0
Total of NAV CANADA towers (42)	**287,892**	**106,399**	**81,606**	**81,341**	**17,132**	**1,414**

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
			number			
Brandon Municipal	1,753	34	123	1,062	30	504
Campbell River	1,871	43	715	778	335	0
Castlegar	1,185	15	294	701	175	0
Charlottetown	1,005	363	437	178	27	0
Churchill	769	25	662	38	44	0
Cranbrook	970	46	540	313	71	0
Deer Lake	1,401	195	1,061	77	68	0
Fort Nelson	2,539	120	396	314	1,707	2
Fort St. John	2,396	179	763	485	969	0
Grande Prairie	3,210	215	1,204	788	662	341
High Level	944	8	309	238	389	0
Îles-de-la-Madeleine	429	21	381	27	0	0
Inuvik/Mike Zubko	1,387	132	591	285	379	0
Iqaluit	1,683	387	1,123	30	143	0
Kamloops	2,407	107	924	1,094	282	0
Kenora	890	37	423	185	245	0
Kingston	1,517	34	488	864	131	0
Kuujjuaq	1,261	176	810	108	167	0
La Grande Rivière	652	92	496	42	22	0
La Ronge	1,329	4	1,050	212	63	0
Lethbridge	1,465	36	472	905	52	0
Lloydminster	909	28	297	559	24	1
Medicine Hat	1,312	23	517	678	94	0
Mont-Joli	1,023	24	664	234	24	77
Montréal/Mirabel International	1,222	560	184	321	157	0
Nanaimo	2,444	48	473	1,736	100	87
Norman Wells	1,467	192	281	246	748	0
North Bay	1,827	51	726	464	552	34
Ottawa/Gatineau	1,842	43	117	1,471	207	4
Peace River	800	26	317	119	338	0
Penticton	1,534	24	488	542	480	0
Port Hardy	1,032	17	558	262	195	0
Prince Albert	1,650	14	1,441	162	33	0
Prince Rupert	223	23	149	14	37	0
Rankin Inlet	1,334	202	753	2	377	0
Red Deer Regional	2,628	68	444	1,879	233	4
Rouyn-Noranda	1,190	87	908	173	22	0
Saint John	1,176	128	781	213	54	0
Sept-Îles	2,495	60	1,577	429	429	0
Sioux Lookout	2,347	9	1,983	310	45	0
Smithers	1,151	46	582	135	388	0
St. Catharines	2,670	44	24	1,586	656	360
Sudbury	3,051	55	1,728	778	490	0
Terrace	1,563	28	718	159	658	0
Thompson	2,578	89	2,154	172	163	0
Timmins	2,236	12	1,961	128	134	1
Val-d'Or	1,293	124	808	219	142	0
Victoria Harbour	3,159	0	2,425	144	590	0
Wabush	2,006	63	1,570	232	141	0
Whitecourt	796	0	8	23	765	0
Williams Lake	893	14	419	259	201	0
Total of all flight service stations (51)	**80,914**	**4,371**	**38,317**	**22,373**	**14,438**	**1,415**

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	2,664	349	159	34	14	17	451	2	0	2
Boundary Bay	7,080	334	37	27	0	0	2	0	0	0
Calgary International	714	528	1,478	1,938	1,051	4,630	8,199	714	178	667
Calgary/Springbank	5,124	399	169	89	10	2	0	0	0	0
Chicoutimi/St-Honoré	1,494	272	90	4	0	0	0	0	0	0
Edmonton City Centre	2,587	484	1,345	402	112	15	0	2	0	0
Edmonton International	258	143	761	976	624	2,546	5,288	356	140	67
Edmonton/Villeneuve	2,075	75	40	11	2	0	0	0	0	0
Fort McMurray	3,815	1,271	612	394	80	787	554	73	0	0
Fredericton International	2,012	121	161	225	254	251	2	4	2	4
Gander International	807	22	54	498	322	327	32	54	12	34
Halifax/Robert L. Stanfield International	107	210	343	985	956	1,402	1,876	442	192	165
Hamilton	367	295	197	283	197	56	476	2	416	134
Kelowna	1,754	101	357	583	66	883	842	3	0	0
Kitchener/Waterloo	3,256	114	307	66	31	136	61	0	4	0
Langley	3,453	124	10	4	0	1	0	0	0	0
London	2,468	90	259	226	570	274	183	4	2	0
Moncton/Greater Moncton International	1,097	97	154	320	61	684	155	1	283	2
Montréal/Pierre Elliott Trudeau International	394	153	591	701	2,968	6,851	4,684	1,263	0	1,775
Montréal/St-Hubert	4,567	626	768	488	155	16	2	3	1	0
Oshawa	2,940	204	39	25	8	0	0	0	0	0
Ottawa/Macdonald-Cartier International	2,688	217	810	257	740	3,565	2,620	405	38	225
Pitt Meadows	3,678	304	3	1	0	0	0	0	0	0
Prince George	720	166	147	596	15	385	194	0	0	0
Québec/Jean Lesage International	2,722	541	968	553	1,408	2,233	164	4	0	72
Regina International	1,130	233	337	381	42	855	632	4	60	0
Saskatoon/John G. Diefenbaker International	1,736	301	761	866	328	1,059	832	2	40	0
Sault Ste. Marie	1,282	103	532	72	115	356	0	6	0	0
St. John's International	142	12	275	577	713	395	1,059	273	83	18
St-Jean	1,854	11	0	0	0	0	0	0	0	0
Thunder Bay	1,850	266	2,068	191	142	854	201	4	0	0
Toronto/Billy Bishop Toronto City	1,844	268	296	288	4	5,005	0	0	0	0
Toronto/Buttonville Municipal	4,793	398	260	55	19	5	0	0	0	0
Toronto/Lester B. Pearson International	10	178	397	1,927	3,462	8,525	14,133	4,047	192	3,749
Vancouver Harbour	259	4,706	887	7	0	0	0	0	0	0
Vancouver International	1,044	4,250	867	3,020	1,953	5,159	6,481	1,546	252	2,042
Victoria International	4,236	903	210	539	847	1,304	608	27	30	0
Whitehorse International	706	218	136	108	16	262	272	0	0	10
Windsor	817	98	77	123	154	318	60	0	0	0
Winnipeg/James Armstrong Richardson International	511	489	2,733	393	785	1,675	2,526	232	572	54
Winnipeg/St. Andrews	2,276	733	86	0	0	0	0	0	0	0
Yellowknife	495	567	587	332	146	774	476	125	0	2
Total of NAV CANADA towers (42)	**83,826**	**20,974**	**20,368**	**18,565**	**18,370**	**51,607**	**53,065**	**9,598**	**2,497**	**9,022**

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	1,524	70	115	20	16	2	0	6	0	0
Campbell River	994	109	66	558	138	2	4	0	0	0
Castlegar	741	118	32	73	2	214	5	0	0	0
Charlottetown	152	110	57	124	126	271	159	6	0	0
Churchill	66	13	131	32	127	392	4	4	0	0
Cranbrook	295	73	77	290	112	114	9	0	0	0
Deer Lake	106	36	49	426	511	132	141	0	0	0
Fort Nelson	1,283	196	642	155	139	74	50	0	0	0
Fort St. John	1,178	178	291	237	129	301	82	0	0	0
Grande Prairie	1,451	347	461	256	28	529	138	0	0	0
High Level	532	97	185	124	2	0	4	0	0	0
Îles-de-la-Madeleine	19	10	100	119	124	53	4	0	0	0
Inuvik/Mike Zubko	531	57	482	73	58	75	96	15	0	0
Iqaluit	60	67	520	150	238	358	207	16	13	54
Kamloops	1,159	148	166	376	110	368	80	0	0	0
Kenora	191	49	608	6	12	20	0	4	0	0
Kingston	887	65	124	210	217	10	0	4	0	0
Kuujjuaq	226	39	667	4	28	153	123	2	2	17
La Grande Rivière	34	30	204	4	24	274	82	0	0	0
La Ronge	125	129	568	182	235	90	0	0	0	0
Lethbridge	764	188	129	311	15	56	2	0	0	0
Lloydminster	546	62	152	141	7	1	0	0	0	0
Medicine Hat	716	26	237	294	24	11	0	4	0	0
Mont-Joli	294	41	236	178	127	144	3	0	0	0
Montréal/Mirabel International	450	70	16	62	20	94	60	3	268	179
Nanaimo	1,517	397	58	39	50	383	0	0	0	0
Norman Wells	848	194	168	37	6	42	172	0	0	0
North Bay	979	98	453	77	185	27	0	8	0	0
Ottawa/Gatineau	1,349	331	125	6	15	16	0	0	0	0
Peace River	295	81	352	58	12	2	0	0	0	0
Penticton	923	76	100	172	23	160	80	0	0	0
Port Hardy	181	262	272	108	204	5	0	0	0	0
Prince Albert	150	44	252	444	420	333	0	7	0	0
Prince Rupert	20	0	56	26	52	69	0	0	0	0
Rankin Inlet	88	289	130	10	253	408	150	4	0	2
Red Deer Regional	1,960	153	226	101	127	52	9	0	0	0
Rouyn-Noranda	189	2	382	40	348	156	73	0	0	0
Saint John	151	191	127	243	191	271	0	2	0	0
Sept-Îles	595	268	493	222	497	406	14	0	0	0
Sioux Lookout	90	288	1,228	606	132	3	0	0	0	0
Smithers	477	148	75	223	104	118	0	6	0	0
St. Catharines	2,504	84	32	27	8	15	0	0	0	0
Sudbury	745	398	1,028	281	225	367	3	4	0	0
Terrace	608	216	129	184	231	195	0	0	0	0
Thompson	194	220	1,321	14	256	573	0	0	0	0
Timmins	130	215	1,075	88	336	392	0	0	0	0
Val-d'Or	253	49	302	74	338	142	91	30	10	4
Victoria Harbour	26	2,320	800	4	9	0	0	0	0	0
Wabush	254	125	403	487	394	320	23	0	0	0
Whitecourt	756	16	24	0	0	0	0	0	0	0
Williams Lake	413	39	13	418	4	2	4	0	0	0
Total of all flight service stations (51)	**30,019**	**8,832**	**15,939**	**8,394**	**6,989**	**8,195**	**1,872**	**125**	**293**	**256**

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	3,595	450	1,872	176	983	56	58
Transborder	97	13	27	1	55	0	1
Other international	0	0	0	0	0	0	0
Total	**3,692**	**463**	**1,899**	**177**	**1,038**	**56**	**59**
Boundary Bay							
Domestic	7,339	4	1,206	4,235	1,862	24	8
Transborder	141	0	7	29	101	0	4
Other international	0	0	0	0	0	0	0
Total	**7,480**	**4**	**1,213**	**4,264**	**1,963**	**24**	**12**
Calgary International							
Domestic	16,176	13,717	921	90	932	483	33
Transborder	3,367	3,035	68	5	254	0	5
Other international	554	536	2	1	7	0	8
Total	**20,097**	**17,288**	**991**	**96**	**1,193**	**483**	**46**
Calgary/Springbank							
Domestic	5,663	35	765	3,026	1,801	17	19
Transborder	128	5	6	10	107	0	0
Other international	2	0	0	1	1	0	0
Total	**5,793**	**40**	**771**	**3,037**	**1,909**	**17**	**19**
Chicoutimi/St-Honoré							
Domestic	1,860	397	59	1,107	289	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,860**	**397**	**59**	**1,107**	**289**	**8**	**0**
Edmonton City Centre							
Domestic	4,917	1,100	827	1,423	931	620	16
Transborder	30	3	7	2	17	1	0
Other international	0	0	0	0	0	0	0
Total	**4,947**	**1,103**	**834**	**1,425**	**948**	**621**	**16**
Edmonton International							
Domestic	9,840	8,763	219	111	713	12	22
Transborder	1,237	1,123	3	7	102	0	2
Other international	82	82	0	0	0	0	0
Total	**11,159**	**9,968**	**222**	**118**	**815**	**12**	**24**
Edmonton/Villeneuve							
Domestic	2,201	16	105	541	521	0	1,018
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**2,203**	**16**	**105**	**541**	**523**	**0**	**1,018**
Fort McMurray							
Domestic	7,577	1,842	4,351	460	867	51	6
Transborder	9	0	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	**7,586**	**1,842**	**4,351**	**460**	**876**	**51**	**6**
Fredericton International							
Domestic	2,996	826	1,952	15	139	47	17
Transborder	40	7	0	0	33	0	0
Other international	0	0	0	0	0	0	0
Total	**3,036**	**833**	**1,952**	**15**	**172**	**47**	**17**
Gander International							
Domestic	1,745	1,325	70	13	106	90	141
Transborder	187	48	1	7	101	2	28
Other international	230	76	4	13	101	2	34
Total	**2,162**	**1,449**	**75**	**33**	**308**	**94**	**203**

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	5,642	4,957	381	4	210	51	39
Transborder	850	723	8	3	88	0	28
Other international	186	154	1	9	9	0	13
Total	**6,678**	**5,834**	**390**	**16**	**307**	**51**	**80**
Hamilton							
Domestic	1,698	1,106	76	106	173	233	4
Transborder	686	539	22	6	118	1	0
Other international	39	27	2	0	10	0	0
Total	**2,423**	**1,672**	**100**	**112**	**301**	**234**	**4**
Kelowna							
Domestic	4,361	2,769	253	483	719	81	56
Transborder	228	134	15	2	76	0	1
Other international	0	0	0	0	0	0	0
Total	**4,589**	**2,903**	**268**	**485**	**795**	**81**	**57**
Kitchener/Waterloo							
Domestic	3,707	302	2,325	37	1,037	1	5
Transborder	263	129	37	0	95	0	2
Other international	5	0	0	0	5	0	0
Total	**3,975**	**431**	**2,362**	**37**	**1,137**	**1**	**7**
Langley							
Domestic	3,568	15	105	1,654	1,328	0	466
Transborder	24	0	0	0	24	0	0
Other international	0	0	0	0	0	0	0
Total	**3,592**	**15**	**105**	**1,654**	**1,352**	**0**	**466**
London							
Domestic	3,774	1,014	332	1,673	690	56	9
Transborder	302	211	7	1	79	2	2
Other international	0	0	0	0	0	0	0
Total	**4,076**	**1,225**	**339**	**1,674**	**769**	**58**	**11**
Moncton/Greater Moncton International							
Domestic	2,769	1,512	872	7	207	165	6
Transborder	83	69	0	0	14	0	0
Other international	2	1	0	0	1	0	0
Total	**2,854**	**1,582**	**872**	**7**	**222**	**165**	**6**
Montréal/Pierre Elliott Trudeau International							
Domestic	11,117	9,426	707	44	768	168	4
Transborder	6,204	5,635	131	9	422	0	7
Other international	2,059	1,995	22	5	35	0	2
Total	**19,380**	**17,056**	**860**	**58**	**1,225**	**168**	**13**
Montréal/St-Hubert							
Domestic	6,466	2,652	709	1,772	1,132	99	102
Transborder	156	12	6	3	133	1	1
Other international	4	1	0	1	2	0	0
Total	**6,626**	**2,665**	**715**	**1,776**	**1,267**	**100**	**103**
Oshawa							
Domestic	3,162	22	113	2,134	797	93	3
Transborder	51	10	3	4	34	0	0
Other international	3	0	0	0	3	0	0
Total	**3,216**	**32**	**116**	**2,138**	**834**	**93**	**3**
Ottawa/Macdonald-Cartier International							
Domestic	9,289	5,678	297	2,210	523	445	136
Transborder	2,138	1,984	9	3	113	15	14
Other international	138	130	0	0	3	0	5
Total	**11,565**	**7,792**	**306**	**2,213**	**639**	**460**	**155**

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	3,962	10	1,540	727	1,639	42	4
Transborder	22	0	3	0	19	0	0
Other international	2	0	0	0	2	0	0
Total	**3,986**	**10**	**1,543**	**727**	**1,660**	**42**	**4**
Prince George							
Domestic	2,202	1,118	571	52	406	45	10
Transborder	20	4	0	0	14	0	2
Other international	1	0	0	0	1	0	0
Total	**2,223**	**1,122**	**571**	**52**	**421**	**45**	**12**
Québec/Jean Lesage International							
Domestic	7,732	3,603	2,203	491	1,051	320	64
Transborder	861	747	10	6	95	0	3
Other international	72	63	2	1	2	2	2
Total	**8,665**	**4,413**	**2,215**	**498**	**1,148**	**322**	**69**
Regina International							
Domestic	3,268	1,717	803	31	504	158	55
Transborder	404	315	4	0	73	3	9
Other international	2	0	2	0	0	0	0
Total	**3,674**	**2,032**	**809**	**31**	**577**	**161**	**64**
Saskatoon/John G. Diefenbaker International							
Domestic	5,575	3,138	990	436	640	286	85
Transborder	349	265	10	1	66	6	1
Other international	1	0	1	0	0	0	0
Total	**5,925**	**3,403**	**1,001**	**437**	**706**	**292**	**86**
Sault Ste. Marie							
Domestic	2,438	960	95	1,137	140	78	28
Transborder	28	2	5	2	18	0	1
Other international	0	0	0	0	0	0	0
Total	**2,466**	**962**	**100**	**1,139**	**158**	**78**	**29**
St. John's International							
Domestic	3,099	2,351	363	2	165	187	31
Transborder	196	68	6	3	48	0	71
Other international	252	112	9	5	46	2	78
Total	**3,547**	**2,531**	**378**	**10**	**259**	**189**	**180**
St-Jean							
Domestic	1,865	5	135	79	904	0	742
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,865**	**5**	**135**	**79**	**904**	**0**	**742**
Thunder Bay							
Domestic	5,522	3,135	263	1,594	313	154	63
Transborder	54	7	2	0	45	0	0
Other international	0	0	0	0	0	0	0
Total	**5,576**	**3,142**	**265**	**1,594**	**358**	**154**	**63**
Toronto/Billy Bishop Toronto City							
Domestic	6,050	3,654	757	1,112	491	20	16
Transborder	1,653	1,539	5	7	102	0	0
Other international	2	2	0	0	0	0	0
Total	**7,705**	**5,195**	**762**	**1,119**	**593**	**20**	**16**
Toronto/Buttonville Municipal							
Domestic	5,371	133	2,662	39	2,323	204	10
Transborder	159	7	12	1	137	2	0
Other international	0	0	0	0	0	0	0
Total	**5,530**	**140**	**2,674**	**40**	**2,460**	**206**	**10**

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	15,970	15,122	370	13	389	24	52
Transborder	15,823	14,765	223	6	819	0	10
Other international	4,827	4,756	17	4	50	0	0
Total	**36,620**	**34,643**	**610**	**23**	**1,258**	**24**	**62**
Vancouver Harbour							
Domestic	5,857	5,316	475	7	48	11	0
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**5,859**	**5,317**	**475**	**7**	**49**	**11**	**0**
Vancouver International							
Domestic	20,257	17,252	1,947	76	594	374	14
Transborder	4,754	4,355	43	18	333	0	5
Other international	1,603	1,598	2	1	1	0	1
Total	**26,614**	**23,205**	**1,992**	**95**	**928**	**374**	**20**
Victoria International							
Domestic	7,970	2,792	3,075	403	1,530	14	156
Transborder	734	476	23	4	225	0	6
Other international	0	0	0	0	0	0	0
Total	**8,704**	**3,268**	**3,098**	**407**	**1,755**	**14**	**162**
Whitehorse International							
Domestic	1,619	836	473	12	257	40	1
Transborder	98	1	4	0	92	0	1
Other international	11	11	0	0	0	0	0
Total	**1,728**	**848**	**477**	**12**	**349**	**40**	**2**
Windsor							
Domestic	1,532	572	451	15	464	21	9
Transborder	112	22	18	2	60	0	10
Other international	3	0	3	0	0	0	0
Total	**1,647**	**594**	**472**	**17**	**524**	**21**	**19**
Winnipeg/James Armstrong Richardson International							
Domestic	8,924	7,499	385	34	272	472	262
Transborder	1,037	892	21	8	107	2	7
Other international	9	6	1	0	1	0	1
Total	**9,970**	**8,397**	**407**	**42**	**380**	**474**	**270**
Winnipeg/St. Andrews							
Domestic	3,090	588	1,317	716	467	0	2
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	**3,095**	**588**	**1,317**	**716**	**472**	**0**	**2**
Yellowknife							
Domestic	3,499	2,590	449	225	89	78	68
Transborder	5	1	0	0	3	0	1
Other international	0	0	0	0	0	0	0
Total	**3,504**	**2,591**	**449**	**225**	**92**	**78**	**69**
Total of NAV CANADA towers (42)							
Domestic	235,264	130,319	37,841	28,522	29,414	5,328	3,840
Transborder	42,539	37,147	746	150	4,239	35	222
Other international	10,089	9,550	68	41	280	6	144
Total	**287,892**	**177,016**	**38,655**	**28,713**	**33,933**	**5,369**	**4,206**

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	1,727	96	285	31	778	16	521
Transborder	26	0	3	0	23	0	0
Other international	0	0	0	0	0	0	0
Total	**1,753**	**96**	**288**	**31**	**801**	**16**	**521**
Campbell River							
Domestic	1,788	657	418	301	395	17	0
Transborder	83	10	0	0	73	0	0
Other international	0	0	0	0	0	0	0
Total	**1,871**	**667**	**418**	**301**	**468**	**17**	**0**
Castlegar							
Domestic	1,174	271	221	594	63	11	14
Transborder	11	0	0	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	**1,185**	**271**	**221**	**594**	**74**	**11**	**14**
Charlottetown							
Domestic	960	709	38	0	184	17	12
Transborder	44	8	4	0	32	0	0
Other international	1	1	0	0	0	0	0
Total	**1,005**	**718**	**42**	**0**	**216**	**17**	**12**
Churchill							
Domestic	764	643	51	1	41	24	4
Transborder	4	3	0	0	1	0	0
Other international	1	0	1	0	0	0	0
Total	**769**	**646**	**52**	**1**	**42**	**24**	**4**
Cranbrook							
Domestic	946	537	91	32	271	6	9
Transborder	24	1	0	3	19	0	1
Other international	0	0	0	0	0	0	0
Total	**970**	**538**	**91**	**35**	**290**	**6**	**10**
Deer Lake							
Domestic	1,396	1,190	58	39	33	68	8
Transborder	5	5	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,401**	**1,195**	**58**	**39**	**33**	**68**	**8**
Fort Nelson							
Domestic	2,535	448	1,866	17	181	0	23
Transborder	4	0	0	0	3	0	1
Other international	0	0	0	0	0	0	0
Total	**2,539**	**448**	**1,866**	**17**	**184**	**0**	**24**
Fort St. John							
Domestic	2,389	797	1,181	27	368	4	12
Transborder	7	3	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**2,396**	**800**	**1,181**	**27**	**372**	**4**	**12**
Grande Prairie							
Domestic	3,206	1,097	1,070	103	573	22	341
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**3,210**	**1,097**	**1,070**	**103**	**577**	**22**	**341**
High Level							
Domestic	942	401	412	23	82	24	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**944**	**401**	**412**	**23**	**84**	**24**	**0**

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	418	327	29	0	16	42	4
Transborder	7	0	0	0	7	0	0
Other international	4	4	0	0	0	0	0
Total	**429**	**331**	**29**	**0**	**23**	**42**	**4**
Inuvik/Mike Zubko							
Domestic	1,387	956	380	1	9	23	18
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,387**	**956**	**380**	**1**	**9**	**23**	**18**
Iqaluit							
Domestic	1,575	1,231	137	58	37	96	16
Transborder	21	13	0	0	7	0	1
Other international	87	43	5	7	28	1	3
Total	**1,683**	**1,287**	**142**	**65**	**72**	**97**	**20**
Kamloops							
Domestic	2,400	795	721	303	506	63	12
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	**2,407**	**795**	**721**	**303**	**513**	**63**	**12**
Kenora							
Domestic	837	355	240	94	73	48	27
Transborder	53	7	1	0	45	0	0
Other international	0	0	0	0	0	0	0
Total	**890**	**362**	**241**	**94**	**118**	**48**	**27**
Kingston							
Domestic	1,480	421	393	228	390	24	24
Transborder	37	6	6	1	24	0	0
Other international	0	0	0	0	0	0	0
Total	**1,517**	**427**	**399**	**229**	**414**	**24**	**24**
Kuujjuaq							
Domestic	1,258	932	146	76	60	32	12
Transborder	1	0	0	0	1	0	0
Other international	2	0	1	0	1	0	0
Total	**1,261**	**932**	**147**	**76**	**62**	**32**	**12**
La Grande Rivière							
Domestic	651	433	129	16	57	14	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**652**	**433**	**129**	**16**	**58**	**14**	**2**
La Ronge							
Domestic	1,324	1,086	20	1	107	108	2
Transborder	5	0	0	0	1	4	0
Other international	0	0	0	0	0	0	0
Total	**1,329**	**1,086**	**20**	**1**	**108**	**112**	**2**
Lethbridge							
Domestic	1,374	459	45	402	429	13	26
Transborder	91	3	10	2	73	0	3
Other international	0	0	0	0	0	0	0
Total	**1,465**	**462**	**55**	**404**	**502**	**13**	**29**
Lloydminster							
Domestic	905	212	253	31	387	16	6
Transborder	4	1	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**909**	**213**	**254**	**31**	**389**	**16**	**6**

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	1,303	494	261	104	380	6	58
Transborder	9	2	0	0	5	0	2
Other international	0	0	0	0	0	0	0
Total	**1,312**	**496**	**261**	**104**	**385**	**6**	**60**
Mont-Joli							
Domestic	1,021	487	185	4	142	30	173
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**1,023**	**488**	**185**	**4**	**143**	**30**	**173**
Montréal/Mirabel International							
Domestic	990	450	312	6	209	4	9
Transborder	230	195	0	1	33	0	1
Other international	2	1	0	0	0	0	1
Total	**1,222**	**646**	**312**	**7**	**242**	**4**	**11**
Nanaimo							
Domestic	2,389	451	692	76	940	48	182
Transborder	53	7	2	0	44	0	0
Other international	2	0	0	0	2	0	0
Total	**2,444**	**458**	**694**	**76**	**986**	**48**	**182**
Norman Wells							
Domestic	1,466	650	755	6	32	23	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,467**	**651**	**755**	**6**	**32**	**23**	**0**
North Bay							
Domestic	1,783	630	318	305	427	63	40
Transborder	43	9	11	0	21	2	0
Other international	1	1	0	0	0	0	0
Total	**1,827**	**640**	**329**	**305**	**448**	**65**	**40**
Ottawa/Gatineau							
Domestic	1,828	240	405	182	914	58	29
Transborder	14	1	0	0	13	0	0
Other international	0	0	0	0	0	0	0
Total	**1,842**	**241**	**405**	**182**	**927**	**58**	**29**
Peace River							
Domestic	793	351	357	5	76	4	0
Transborder	7	0	1	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	**800**	**351**	**358**	**5**	**82**	**4**	**0**
Penticton							
Domestic	1,518	326	586	24	503	6	73
Transborder	16	0	0	0	16	0	0
Other international	0	0	0	0	0	0	0
Total	**1,534**	**326**	**586**	**24**	**519**	**6**	**73**
Port Hardy							
Domestic	1,019	690	222	2	56	40	9
Transborder	13	0	0	0	12	0	1
Other international	0	0	0	0	0	0	0
Total	**1,032**	**690**	**222**	**2**	**68**	**40**	**10**
Prince Albert							
Domestic	1,646	1,352	51	11	109	114	9
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	**1,650**	**1,352**	**51**	**11**	**113**	**114**	**9**

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	212	177	8	0	14	12	1
Transborder	11	0	0	0	10	0	1
Other international	0	0	0	0	0	0	0
Total	**223**	**177**	**8**	**0**	**24**	**12**	**2**
Rankin Inlet							
Domestic	1,334	941	377	0	2	8	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,334**	**941**	**377**	**0**	**2**	**8**	**6**
Red Deer Regional							
Domestic	2,614	334	1,257	152	852	13	6
Transborder	14	1	0	0	13	0	0
Other international	0	0	0	0	0	0	0
Total	**2,628**	**335**	**1,257**	**152**	**865**	**13**	**6**
Rouyn-Noranda							
Domestic	1,190	725	187	103	153	20	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,190**	**725**	**187**	**103**	**153**	**20**	**2**
Saint John							
Domestic	1,090	705	59	54	259	2	11
Transborder	81	2	0	0	79	0	0
Other international	5	0	0	0	5	0	0
Total	**1,176**	**707**	**59**	**54**	**343**	**2**	**11**
Sept-Îles							
Domestic	2,489	1,252	846	84	219	86	2
Transborder	4	2	0	1	1	0	0
Other international	2	1	0	0	1	0	0
Total	**2,495**	**1,255**	**846**	**85**	**221**	**86**	**2**
Sioux Lookout							
Domestic	2,335	1,910	137	210	33	33	12
Transborder	12	1	0	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	**2,347**	**1,911**	**137**	**210**	**44**	**33**	**12**
Smithers							
Domestic	1,126	506	429	38	126	20	7
Transborder	25	1	0	0	24	0	0
Other international	0	0	0	0	0	0	0
Total	**1,151**	**507**	**429**	**38**	**150**	**20**	**7**
St. Catharines							
Domestic	2,596	10	1,196	31	980	19	360
Transborder	74	8	2	0	64	0	0
Other international	0	0	0	0	0	0	0
Total	**2,670**	**18**	**1,198**	**31**	**1,044**	**19**	**360**
Sudbury							
Domestic	3,027	1,557	490	444	345	163	28
Transborder	23	6	0	0	17	0	0
Other international	1	0	0	0	1	0	0
Total	**3,051**	**1,563**	**490**	**444**	**363**	**163**	**28**
Terrace							
Domestic	1,556	687	656	22	120	42	29
Transborder	7	1	0	0	5	0	1
Other international	0	0	0	0	0	0	0
Total	**1,563**	**688**	**656**	**22**	**125**	**42**	**30**

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	2,566	2,054	300	12	66	134	0
Transborder	12	2	0	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	**2,578**	**2,056**	**300**	**12**	**76**	**134**	**0**
Timmins							
Domestic	2,235	1,822	145	10	121	135	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	**2,236**	**1,822**	**145**	**10**	**122**	**135**	**2**
Val-d'Or							
Domestic	1,292	805	126	58	169	35	99
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**1,293**	**806**	**126**	**58**	**169**	**35**	**99**
Victoria Harbour							
Domestic	2,816	2,702	14	0	5	85	10
Transborder	343	343	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**3,159**	**3,045**	**14**	**0**	**5**	**85**	**10**
Wabush							
Domestic	2,002	1,482	282	60	160	13	5
Transborder	4	2	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	**2,006**	**1,484**	**282**	**60**	**162**	**13**	**5**
Whitecourt							
Domestic	796	8	700	53	33	0	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	**796**	**8**	**700**	**53**	**33**	**0**	**2**
Williams Lake							
Domestic	882	424	244	26	182	0	6
Transborder	11	0	0	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	**893**	**424**	**244**	**26**	**193**	**0**	**6**
Total of all flight service stations (51)							
Domestic	79,350	38,275	19,781	4,460	12,667	1,904	2,263
Transborder	1,456	646	41	8	743	6	12
Other international	108	51	7	7	38	1	4
Total	**80,914**	**38,972**	**19,829**	**4,475**	**13,448**	**1,911**	**2,279**

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	14	10,190	27	15	96	30	551
Boundary Bay	5	17,694	22	12	132	22	794
Calgary International	3	20,251	20	18	59	20	798
Calgary/Springbank	9	12,459	27	11	89	19	616
Chicoutimi/St-Honoré	22	8,200	5	20	135	24	670
Edmonton City Centre	30	5,601	13	18	38	20	259
Edmonton International	12	11,465	13	18	48	20	514
Edmonton/Villeneuve	28	6,031	23	15	64	22	372
Fort McMurray	21	8,204	20	15	51	12	437
Fredericton International	24	7,014	11	18	57	12	524
Gander International	38	3,208	8	12	39	8	208
Halifax/Robert L. Stanfield International	25	6,968	14	14	28	14	291
Hamilton	39	3,095	29	10	28	21	192
Kelowna	23	7,291	11	21	68	11	384
Kitchener/Waterloo	19	8,455	27	11	84	28	592
Langley	26	6,680	27	11	57	23	339
London	27	6,632	26	17	57	27	382
Moncton/Greater Moncton International	35	3,984	24	11	44	24	252
Montréal/Pierre Elliott Trudeau International	4	19,452	27	18	69	20	743
Montréal/St-Hubert	8	13,882	7	11	117	27	991
Oshawa	31	5,544	7	11	53	19	348
Ottawa/Macdonald-Cartier International	6	14,939	11	11	84	19	686
Pitt Meadows	16	9,812	27	17	98	13	456
Prince George	40	2,735	6	9	36	19	167
Québec/Jean Lesage International	10	12,299	4	9	82	12	560
Regina International	33	4,832	25	16	40	25	262
Saskatoon/John G. Diefenbaker International	18	8,673	27	19	79	6	481
Sault Ste. Marie	32	5,364	25	11	71	25	370
St. John's International	36	3,743	20	13	26	26	184
St-Jean	37	3,305	1	14	45	16	344
Thunder Bay	17	8,774	17	10	72	17	589
Toronto/Billy Bishop Toronto City	15	10,113	26	18	61	27	513
Toronto/Buttonville Municipal	11	11,698	28	21	104	28	793
Toronto/Lester B. Pearson International	1	36,706	21	18	110	6	1,346
Vancouver Harbour	29	5,865	21	16	31	14	261
Vancouver International	2	26,666	14	16	81	6	999
Victoria International	7	14,002	5	15	73	11	644
Whitehorse International	42	2,232	3	10	41	21	138
Windsor	41	2,679	29	13	55	29	215
Winnipeg/James Armstrong Richardson International	13	11,290	26	14	47	26	478
Winnipeg/St. Andrews	20	8,225	18	12	74	26	530
Yellowknife	34	4,168	20	20	46	5	219

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	16	2,514	16	10	39	22	225
Campbell River	10	3,136	27	15	42	27	200
Castlegar	23	2,133	22	17	49	22	171
Charlottetown	40	1,081	28	16	15	28	80
Churchill	47	815	27	20	13	8	55
Cranbrook	43	1,022	10	9	13	14	67
Deer Lake	33	1,449	3	17	17	17	94
Fort Nelson	15	2,669	4	7	27	4	208
Fort St. John	11	2,882	20	14	42	18	175
Grande Prairie	4	4,092	12	11	45	22	202
High Level	46	964	12	8	21	12	70
Îles-de-la-Madeleine	50	429	1	13	4	25	20
Inuvik/Mike Zubko	31	1,507	11	13	19	14	80
Iqaluit	25	1,731	19	11	19	19	106
Kamloops	3	4,169	30	14	64	23	264
Kenora	44	996	17	14	33	28	77
Kingston	18	2,407	23	14	51	23	230
Kuujjuaq	38	1,321	8	14	17	5	76
La Grande Rivière	49	654	4	11	8	18	36
La Ronge	32	1,504	26	17	20	26	101
Lethbridge	22	2,265	23	13	43	23	160
Lloydminster	39	1,231	15	9	20	26	94
Medicine Hat	24	1,880	29	10	39	27	151
Mont-Joli	42	1,027	3	10	29	2	105
Montréal/Mirabel International	12	2,830	13	14	40	13	174
Nanaimo	7	3,938	15	11	56	15	253
Norman Wells	29	1,547	20	8	20	7	91
North Bay	5	4,039	6	10	69	27	304
Ottawa/Gatineau	2	4,928	1	14	65	27	315
Peace River	48	808	12	6	9	20	42
Penticton	20	2,304	18	16	54	19	237
Port Hardy	41	1,054	17	15	15	13	67
Prince Albert	27	1,674	12	12	17	12	93
Prince Rupert	51	225	17	14	6	2	14
Rankin Inlet	36	1,334	4	12	19	11	81
Red Deer Regional	1	5,100	28	13	77	30	393
Rouyn-Noranda	30	1,527	3	21	34	3	171
Saint John	34	1,406	12	9	17	28	86
Sept-Îles	13	2,751	2	11	29	12	151
Sioux Lookout	17	2,407	20	8	23	10	113
Smithers	35	1,385	25	14	43	25	126
St. Catharines	8	3,934	22	15	55	16	370
Sudbury	6	4,021	12	10	53	10	264
Terrace	28	1,671	8	11	24	21	104
Thompson	14	2,722	17	11	24	20	128
Timmins	21	2,288	19	19	22	19	127
Val-d'Or	26	1,675	12	17	33	19	127
Victoria Harbour	9	3,171	14	9	23	14	155
Wabush	19	2,328	18	8	22	21	137
Whitecourt	37	1,322	4	16	39	14	110
Williams Lake	45	973	13	21	23	13	64

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	25	3,692	28	12	23	14	187
Boundary Bay	12	7,480	22	15	47	7	335
Calgary International	3	20,097	20	18	59	20	796
Calgary/Springbank	17	5,793	8	10	33	23	272
Chicoutimi/St-Honoré	40	1,860	3	11	28	11	136
Edmonton City Centre	20	4,947	27	17	26	6	220
Edmonton International	6	11,159	13	18	42	20	488
Edmonton/Villeneuve	37	2,203	23	14	34	22	234
Fort McMurray	11	7,586	24	18	39	12	365
Fredericton International	32	3,036	10	18	21	12	186
Gander International	38	2,162	8	14	14	18	117
Halifax/Robert L. Stanfield International	13	6,678	19	20	23	14	271
Hamilton	35	2,423	29	11	13	14	118
Kelowna	21	4,589	13	7	20	21	200
Kitchener/Waterloo	24	3,975	28	12	34	28	254
Langley	27	3,592	23	13	41	29	297
London	22	4,076	28	14	24	27	230
Moncton/Greater Moncton International	33	2,854	13	10	19	28	165
Montréal/Pierre Elliott Trudeau International	4	19,380	11	18	67	20	741
Montréal/St-Hubert	14	6,626	27	12	44	27	459
Oshawa	30	3,216	9	14	36	27	208
Ottawa/Macdonald-Cartier International	5	11,565	29	14	59	27	505
Pitt Meadows	23	3,986	30	15	34	30	211
Prince George	36	2,223	5	16	22	20	111
Québec/Jean Lesage International	9	8,665	28	16	36	20	419
Regina International	26	3,674	27	17	18	28	157
Saskatoon/John G. Diefenbaker International	15	5,925	26	14	29	27	287
Sault Ste. Marie	34	2,466	18	10	17	13	123
St. John's International	28	3,547	14	12	16	26	162
St-Jean	39	1,865	9	14	38	16	286
Thunder Bay	18	5,576	13	16	28	21	281
Toronto/Billy Bishop Toronto City	10	7,705	16	13	39	27	345
Toronto/Buttonville Municipal	19	5,530	27	19	39	27	398
Toronto/Lester B. Pearson International	1	36,620	21	18	110	6	1,344
Vancouver Harbour	16	5,859	21	16	31	14	261
Vancouver International	2	26,614	6	17	80	6	997
Victoria International	8	8,704	15	12	36	27	350
Whitehorse International	41	1,728	21	16	13	21	86
Windsor	42	1,647	29	12	31	29	121
Winnipeg/James Armstrong Richardson International	7	9,970	6	15	35	6	416
Winnipeg/St. Andrews	31	3,095	28	13	25	27	169
Yellowknife	29	3,504	7	14	19	5	167

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	18	1,753	22	12	31	22	213
Campbell River	15	1,871	7	13	17	3	86
Castlegar	35	1,185	11	13	11	17	68
Charlottetown	40	1,005	2	11	10	28	60
Churchill	48	769	6	15	8	7	40
Cranbrook	41	970	5	19	8	12	55
Deer Lake	26	1,401	14	8	10	17	64
Fort Nelson	7	2,539	4	7	27	4	206
Fort St. John	11	2,396	6	14	16	18	117
Grande Prairie	1	3,210	22	11	20	23	151
High Level	42	944	4	11	9	20	54
Îles-de-la-Madeleine	50	429	1	13	4	25	20
Inuvik/Mike Zubko	27	1,387	14	13	11	20	80
Iqaluit	19	1,683	19	11	19	19	106
Kamloops	10	2,407	23	11	19	23	122
Kenora	45	890	12	13	9	12	72
Kingston	23	1,517	13	15	14	23	88
Kuujjuaq	32	1,261	17	12	11	5	70
La Grande Rivière	49	652	4	11	8	18	36
La Ronge	29	1,329	26	17	12	20	82
Lethbridge	25	1,465	23	15	14	28	70
Lloydminster	43	909	6	17	10	26	50
Medicine Hat	30	1,312	27	15	11	27	75
Mont-Joli	39	1,023	3	10	29	2	105
Montréal/Mirabel International	33	1,222	26	8	7	28	68
Nanaimo	9	2,444	30	14	26	30	184
Norman Wells	24	1,467	14	9	15	7	81
North Bay	17	1,827	13	19	14	27	112
Ottawa/Gatineau	16	1,842	16	16	25	1	131
Peace River	46	800	24	12	8	20	42
Penticton	22	1,534	9	16	13	22	78
Port Hardy	38	1,032	13	17	14	13	65
Prince Albert	20	1,650	7	8	15	21	87
Prince Rupert	51	223	17	14	6	5	13
Rankin Inlet	28	1,334	4	12	19	11	81
Red Deer Regional	5	2,628	30	16	49	30	307
Rouyn-Noranda	34	1,190	13	17	10	4	63
Saint John	36	1,176	4	19	9	17	74
Sept-Îles	8	2,495	2	11	29	20	121
Sioux Lookout	12	2,347	20	8	19	28	107
Smithers	37	1,151	25	15	12	19	70
St. Catharines	4	2,670	15	10	48	16	338
Sudbury	3	3,051	10	18	16	12	145
Terrace	21	1,563	7	10	13	19	93
Thompson	6	2,578	13	9	16	4	120
Timmins	13	2,236	6	18	15	13	118
Val-d'Or	31	1,293	7	10	12	19	97
Victoria Harbour	2	3,159	14	9	21	14	153
Wabush	14	2,006	4	10	14	21	97
Whitecourt	47	796	14	19	20	14	88
Williams Lake	44	893	14	17	10	16	41

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	4	6,498	27	15	76	30	416
Boundary Bay	1	10,214	21	11	110	25	536
Calgary International	38	154	22	8	22	8	48
Calgary/Springbank	3	6,666	14	13	64	19	384
Chicoutimi/St-Honoré	5	6,340	5	20	132	24	548
Edmonton City Centre	31	654	14	13	18	22	54
Edmonton International	35	306	11	5	14	13	36
Edmonton/Villeneuve	12	3,828	17	11	52	24	272
Fort McMurray	32	618	23	16	28	12	72
Fredericton International	11	3,978	12	10	44	12	338
Gander International	27	1,046	8	12	34	8	116
Halifax/Robert L. Stanfield International	36	290	14	14	12	10	26
Hamilton	29	672	21	14	18	21	86
Kelowna	19	2,702	11	21	62	11	208
Kitchener/Waterloo	10	4,480	25	10	62	19	352
Langley	16	3,088	4	16	42	7	190
London	20	2,556	26	17	44	19	160
Moncton/Greater Moncton International	26	1,130	24	11	30	24	104
Montréal/Pierre Elliott Trudeau International	40	72	28	13	4	28	8
Montréal/St-Hubert	2	7,256	7	11	84	7	562
Oshawa	22	2,328	7	11	36	19	182
Ottawa/Macdonald-Cartier International	14	3,374	25	11	46	24	212
Pitt Meadows	7	5,826	27	17	86	13	318
Prince George	33	512	6	9	24	19	64
Québec/Jean Lesage International	13	3,634	4	9	54	4	230
Regina International	25	1,158	25	16	26	25	116
Saskatoon/John G. Diefenbaker International	18	2,748	27	19	62	6	218
Sault Ste. Marie	17	2,898	25	11	60	25	248
St. John's International	37	196	4	15	18	4	36
St-Jean	23	1,440	21	16	34	12	96
Thunder Bay	15	3,198	17	10	54	17	369
Toronto/Billy Bishop Toronto City	21	2,408	12	18	36	27	168
Toronto/Buttonville Municipal	6	6,168	28	21	96	28	468
Toronto/Lester B. Pearson International	39	86	22	16	14	23	26
Vancouver Harbour	42	6	1	18	2	1	2
Vancouver International	41	52	20	7	8	20	14
Victoria International	8	5,298	5	15	46	11	352
Whitehorse International	34	504	3	10	36	24	54
Windsor	28	1,032	29	13	36	29	94
Winnipeg/James Armstrong Richardson International	24	1,320	13	9	22	26	100
Winnipeg/St. Andrews	9	5,130	26	20	62	26	372
Yellowknife	30	664	20	20	38	6	80

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	15	761	14	18	30	14	94
Campbell River	7	1,265	27	15	36	27	126
Castlegar	10	948	22	17	48	22	132
Charlottetown	34	76	28	16	8	28	20
Churchill	41	46	27	20	12	8	22
Cranbrook	38	52	18	20	10	14	14
Deer Lake	40	48	3	17	12	17	30
Fort Nelson	28	130	7	10	20	7	36
Fort St. John	18	486	20	14	34	10	66
Grande Prairie	12	882	12	11	36	4	70
High Level	44	20	12	8	12	12	20
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	29	120	11	13	14	11	28
Iqaluit	39	48	12	21	8	25	14
Kamloops	4	1,762	30	14	52	30	158
Kenora	31	106	17	14	30	17	32
Kingston	11	890	23	14	38	23	142
Kuujjuaq	36	60	8	14	10	8	14
La Grande Rivière	48	2	2	11	2	2	2
La Ronge	26	175	25	10	14	27	28
Lethbridge	13	800	23	13	38	17	98
Lloydminster	22	322	22	16	18	26	44
Medicine Hat	16	568	29	10	36	27	76
Mont-Joli	47	4	28	10	2	28	4
Montréal/Mirabel International	5	1,608	13	14	38	13	118
Nanaimo	6	1,494	15	11	46	15	162
Norman Wells	32	80	20	8	16	20	16
North Bay	3	2,212	6	10	60	28	204
Ottawa/Gatineau	1	3,086	25	12	50	25	226
Peace River	46	8	12	6	6	12	6
Penticton	14	770	19	10	44	19	170
Port Hardy	43	22	17	16	4	17	6
Prince Albert	42	24	15	11	10	15	10
Prince Rupert	49	2	2	16	2	2	2
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	2	2,472	30	21	64	28	212
Rouyn-Noranda	20	337	3	21	34	3	116
Saint John	25	230	7	10	12	28	40
Sept-Îles	23	256	12	11	20	12	50
Sioux Lookout	35	60	3	21	20	3	20
Smithers	24	234	25	14	36	25	68
St. Catharines	8	1,264	21	10	32	21	118
Sudbury	9	970	12	10	40	10	130
Terrace	30	108	8	11	14	21	22
Thompson	27	144	24	20	20	17	24
Timmins	37	52	19	20	14	19	26
Val-d'Or	19	382	12	17	28	26	64
Victoria Harbour	45	12	13	14	4	13	4
Wabush	21	322	1	8	18	3	42
Whitecourt	17	526	4	16	36	11	56
Williams Lake	33	80	13	21	22	13	24

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	4	6,496	27	15	76	30	416
Boundary Bay	1	10,214	21	11	110	25	536
Calgary International	38	154	22	8	22	8	48
Calgary/Springbank	3	6,666	14	13	64	19	384
Chicoutimi/St-Honoré	5	6,336	5	20	132	24	548
Edmonton City Centre	31	654	14	13	18	22	54
Edmonton International	35	300	11	5	14	13	32
Edmonton/Villeneuve	12	3,828	17	11	52	24	272
Fort McMurray	32	616	23	16	28	12	72
Fredericton International	11	3,978	12	10	44	12	338
Gander International	26	1,040	8	12	34	8	116
Halifax/Robert L. Stanfield International	36	280	14	14	12	10	26
Hamilton	29	672	21	14	18	21	86
Kelowna	19	2,680	11	21	62	11	208
Kitchener/Waterloo	10	4,480	25	10	62	19	352
Langley	16	3,088	4	16	42	7	190
London	20	2,536	26	17	44	19	160
Moncton/Greater Moncton International	25	1,122	24	11	30	24	102
Montréal/Pierre Elliott Trudeau International	40	72	28	13	4	28	8
Montréal/St-Hubert	2	7,256	7	11	84	7	562
Oshawa	22	2,326	7	11	36	19	182
Ottawa/Macdonald-Cartier International	14	3,368	25	11	46	24	212
Pitt Meadows	7	5,826	27	17	86	13	318
Prince George	33	512	6	9	24	19	64
Québec/Jean Lesage International	13	3,620	4	9	54	4	230
Regina International	28	1,012	25	16	24	25	104
Saskatoon/John G. Diefenbaker International	18	2,694	27	19	62	6	212
Sault Ste. Marie	17	2,898	25	11	60	25	248
St. John's International	37	196	4	15	18	4	36
St-Jean	23	1,440	21	16	34	12	96
Thunder Bay	15	3,181	17	10	54	17	358
Toronto/Billy Bishop Toronto City	21	2,408	12	18	36	27	168
Toronto/Buttonville Municipal	6	6,168	28	21	96	28	468
Toronto/Lester B. Pearson International	39	86	22	16	14	23	26
Vancouver Harbour	42	6	1	18	2	1	2
Vancouver International	41	52	20	7	8	20	14
Victoria International	8	5,292	5	15	46	11	352
Whitehorse International	34	504	3	10	36	24	54
Windsor	27	1,032	29	13	36	29	94
Winnipeg/James Armstrong Richardson International	24	1,316	13	9	22	26	100
Winnipeg/St. Andrews	9	5,130	26	20	62	26	372
Yellowknife	30	664	20	20	38	6	80

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	15	759	14	18	30	14	94
Campbell River	8	1,263	27	15	36	27	126
Castlegar	10	938	22	17	48	22	132
Charlottetown	34	70	28	16	8	28	20
Churchill	41	46	27	20	12	8	22
Cranbrook	39	48	18	20	10	14	10
Deer Lake	40	48	3	17	12	17	30
Fort Nelson	28	130	7	10	20	7	36
Fort St. John	18	486	20	14	34	10	66
Grande Prairie	12	882	12	11	36	4	70
High Level	43	20	12	8	12	12	20
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	29	118	11	13	14	11	28
Iqaluit	38	48	12	21	8	25	14
Kamloops	4	1,762	30	14	52	30	158
Kenora	31	106	17	14	30	17	32
Kingston	11	886	23	14	38	23	142
Kuujjuaq	35	60	8	14	10	8	14
La Grande Rivière	48	2	2	11	2	2	2
La Ronge	26	175	25	10	14	27	28
Lethbridge	13	800	23	13	38	17	98
Lloydminster	22	322	22	16	18	26	44
Medicine Hat	16	568	29	10	36	27	76
Mont-Joli	47	4	28	10	2	28	4
Montréal/Mirabel International	5	1,600	13	14	38	13	118
Nanaimo	6	1,494	15	11	46	15	162
Norman Wells	32	80	20	8	16	20	16
North Bay	3	2,212	6	10	60	28	204
Ottawa/Gatineau	1	3,036	25	12	50	25	226
Peace River	46	8	12	6	6	12	6
Penticton	14	770	19	10	44	19	170
Port Hardy	44	20	17	16	4	17	6
Prince Albert	42	24	15	11	10	15	10
Prince Rupert	49	2	2	16	2	2	2
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	2	2,472	30	21	64	28	212
Rouyn-Noranda	20	337	3	21	34	3	116
Saint John	25	224	7	10	12	28	40
Sept-Îles	23	256	12	11	20	12	50
Sioux Lookout	36	60	3	21	20	3	20
Smithers	24	234	25	14	36	25	68
St. Catharines	7	1,264	21	10	32	21	118
Sudbury	9	970	12	10	40	10	130
Terrace	30	108	8	11	14	21	22
Thompson	27	144	24	20	20	17	24
Timmins	37	52	19	20	14	19	26
Val-d'Or	19	382	12	17	28	26	64
Victoria Harbour	45	12	13	14	4	13	4
Wabush	21	322	1	8	18	3	42
Whitecourt	17	526	4	16	36	11	56
Williams Lake	33	80	13	21	22	13	24

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	15	2	9	16	2	9	2
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	14	4	10	12	4	10	4
Edmonton City Centre	0	0	0	0	0	0	0
Edmonton International	10	6	13	9	4	13	4
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	16	2	8	16	2	8	2
Fredericton International	0	0	0	0	0	0	0
Gander International	9	6	21	12	4	21	4
Halifax/Robert L. Stanfield International	7	10	6	8	2	28	4
Hamilton	0	0	0	0	0	0	0
Kelowna	3	22	12	16	14	12	14
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	4	20	10	10	6	10	6
Moncton/Greater Moncton International	8	8	6	9	2	6	2
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	17	2	22	15	2	22	2
Ottawa/Macdonald-Cartier International	11	6	19	12	4	19	4
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	6	14	28	16	12	28	12
Regina International	1	146	7	13	8	7	20
Saskatoon/John G. Diefenbaker International	2	54	19	18	8	19	10
Sault Ste. Marie	0	0	0	0	0	0	0
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	5	17	17	19	7	17	11
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	12	6	21	19	6	21	6
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	13	4	6	14	4	6	4
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	0	0	0	0	0	0	0

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	8	2	18	15	2	18	2
Campbell River	10	2	24	12	2	24	2
Castlegar	2	10	28	13	6	28	6
Charlottetown	4	6	4	18	2	4	2
Churchill	0	0	0	0	0	0	0
Cranbrook	6	4	14	21	4	14	4
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	9	2	30	16	2	30	2
Iqaluit	0	0	0	0	0	0	0
Kamloops	0	0	0	0	0	0	0
Kenora	0	0	0	0	0	0	0
Kingston	7	4	29	10	4	29	4
Kuujjuaq	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	0	0	0	0	0	0	0
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	0	0	0	0	0	0	0
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	3	8	26	10	6	26	6
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	0	0	0	0	0	0	0
Ottawa/Gatineau	1	50	13	12	26	13	36
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	11	2	11	10	2	11	2
Prince Albert	0	0	0	0	0	0	0
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	5	6	4	19	2	4	2
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

In June 2012, Porter Airlines commenced summer service to Mont Tremblant, with four weekly flights between Toronto/Billy Bishop Toronto City Airport and Mont Tremblant International Airport.

Starting in May 2012, WestJet launched a new non-stop seasonal service between Toronto/Lester B. Pearson International and Aruba, Netherlands Antilles. The airline also introduced daily non-stop flights to Chicago from both Calgary International and Vancouver International as well as from Vancouver International to Whitehorse International.

Beginning in April 2012, Porter Airlines increased weekday roundtrip flights from six to seven between Toronto/Billy Bishop Toronto City Airport and Boston's Logan International Airport.

In April 2012, Air Canada cancelled approximately 75 flights at Toronto/Lester B. Pearson International Airport due to a one day work action by the airline's pilots.

In March 2012, Air Canada experienced some delays and cancellations of flights departing Toronto/Lester B. Pearson International and Montreal/Pierre Elliot Trudeau International. This was due to a one day work action by Air Canada ground handling employees.

In January 2012, Porter Airlines started service from Toronto/Billy Bishop Toronto City Airport to Timmins, Ontario.

Beginning in December 2011, Porter Airlines added a new seasonal service from Toronto/Billy Bishop Toronto City Airport to Burlington, Vermont.

Starting in November 2011, WestJet launched its new twice-weekly seasonal service from Toronto to San Juan, Puerto Rico, two new flights flying out of London to Las Vegas and Cancun, Mexico. It has also increased service between Edmonton and Calgary from five to seven flights daily, and increased service between Vancouver and Toronto for the winter from five to six flights daily.

Starting in October 2011, Porter Airlines increased weekday roundtrip flights between Toronto/Billy Bishop Toronto City and Boston/Logan International Airport.

Beginning in September 2011, Porter Airlines has added an additional daily roundtrip flight between Toronto/Billy Bishop Toronto City Airport and Sudbury as well as Myrtle Beach, S.C.

WestJet launched twice-weekly service from both Hamilton, Ontario and Prince George, British Columbia to Las Vegas, Nevada

Bearskin Airlines has initiated daily non-stop flights between Kitchener/Waterloo and Montreal/Pierre Elliott Trudeau International Airport in May 2011.

In May 2011 WestJet has begun the reintroduction of flights from Hamilton, 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 Toronto/Billy Bishop Toronto City Airport to Windsor and Sault Ste. Marie.

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

Starting May 1, 2011 Air Canada began daily service between Toronto/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.