



Northwest Territories Transportation Report Card

2015

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Overview

In June 2015, the Government of the Northwest Territories Department of Transportation released *Connecting Us: NWT Transportation Strategy 2015-2040*. *Connecting Us* identifies a vision of “Northerners connected to opportunities” supported by three strategic priorities that will guide progress over the next 25 years: Strengthening Connections, Capturing Opportunities and Embracing Innovation. The strategy is the first territory-wide multi-modal transportation strategy since the 1990 *NWT Transportation Strategy* and the 1994 *Transportation Strategy Update*. Considerable effort has been made to track improvements to the transportation system since the release of these first two strategies. The NWT Transportation Report Card 2015 is intended to provide a statistical benchmark of progress achieved and an evaluation framework to measure future progress.

The Department’s intention is to publish an updated Transportation Report Card in the final session of each Legislative Assembly. Challenges and opportunities for improvement identified in the preceding Transportation Report Card, the guiding principles established in *Connecting Us*, and the priorities established by the incoming Legislative Assembly will then inform the development of a 4-year Action Plan early in each Legislative Assembly.

Map of the NWT Transportation System

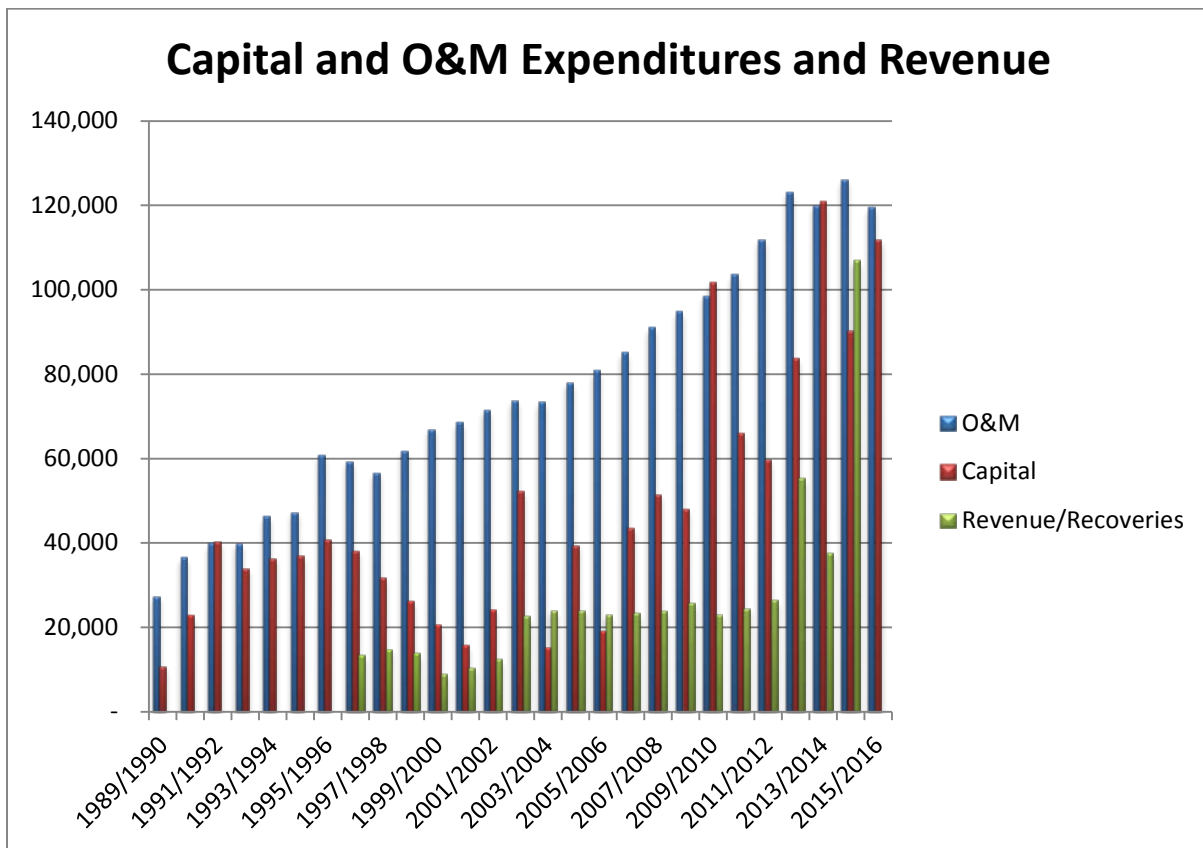


Strengthening Connections

Measure: *Transportation infrastructure and services continue to improve*

Key Achievements

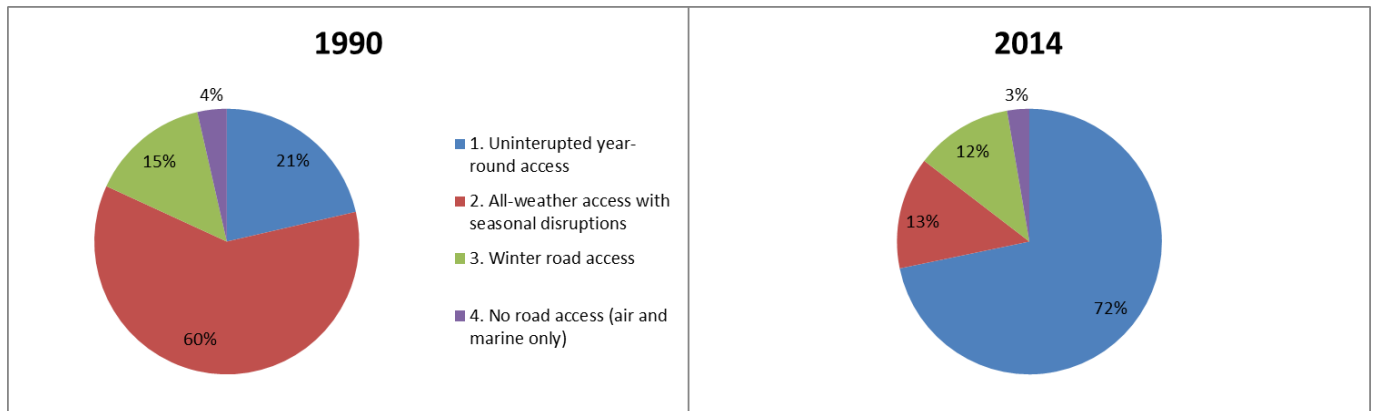
- Investment in capital improvements to the transportation system increased from \$10 million in the 1989-90 fiscal year to **\$112 million in 2015-16**;
- Investment in transportation operations increased from \$27 million in the 1989-90 fiscal year to **\$119 million in 2015-16**;
- Department revenue/recoveries have increased from \$13 million in the 1996-97 fiscal year to **\$107 million in 2015-16**;



* The above graph does not include capital expenditures for the Deh Cho Bridge totaling \$163,000,000 in 2010/11 and \$27,700,000 in 2011/12.

** Data on Department revenue could not be found for fiscal years prior to 1996/97

- 21% of the NWT population experienced uninterrupted year-round access in 1990 compared to **72%** of the population in **2014**;



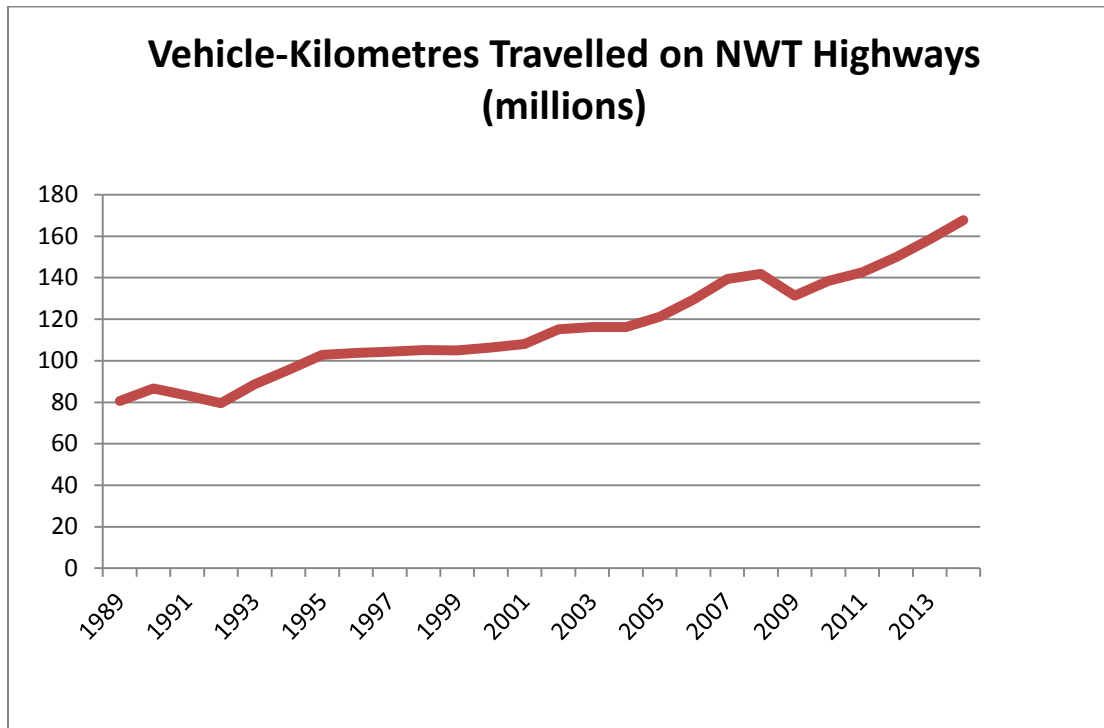
NWT Transportation Access 1990 vs. 2013 (by population)

- 14% of the NWT highway system was paved/chipsealed in 1990 compared to **47%** in **2014**;

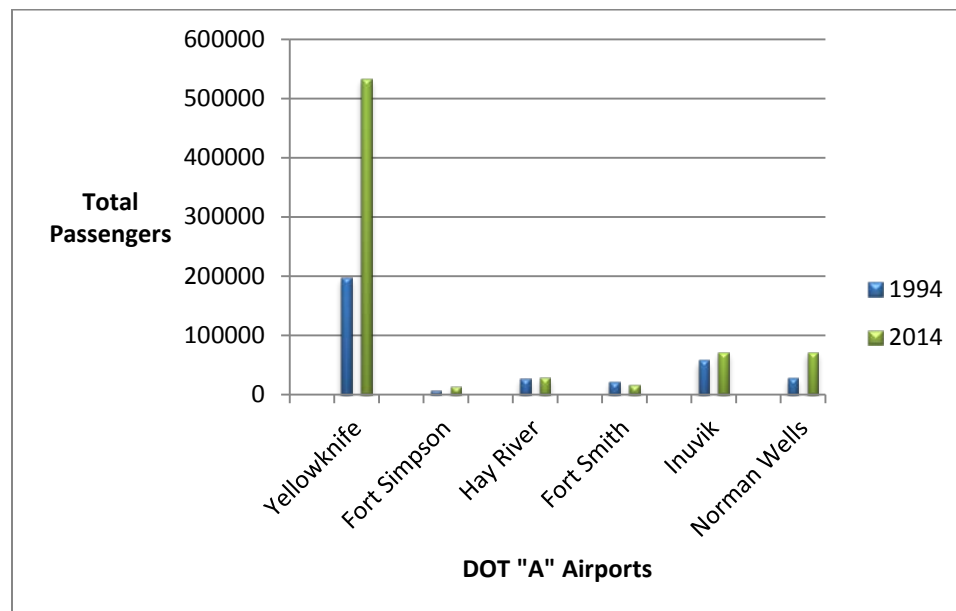


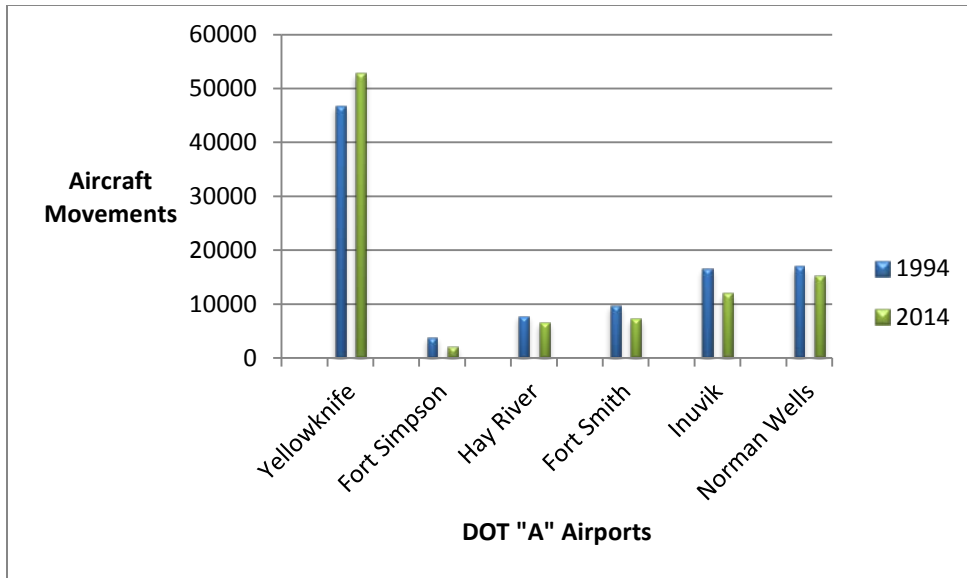
NWT Highway conditions 1990 vs. 2014

- Vehicle traffic on the NWT highway system is steadily **increasing**;

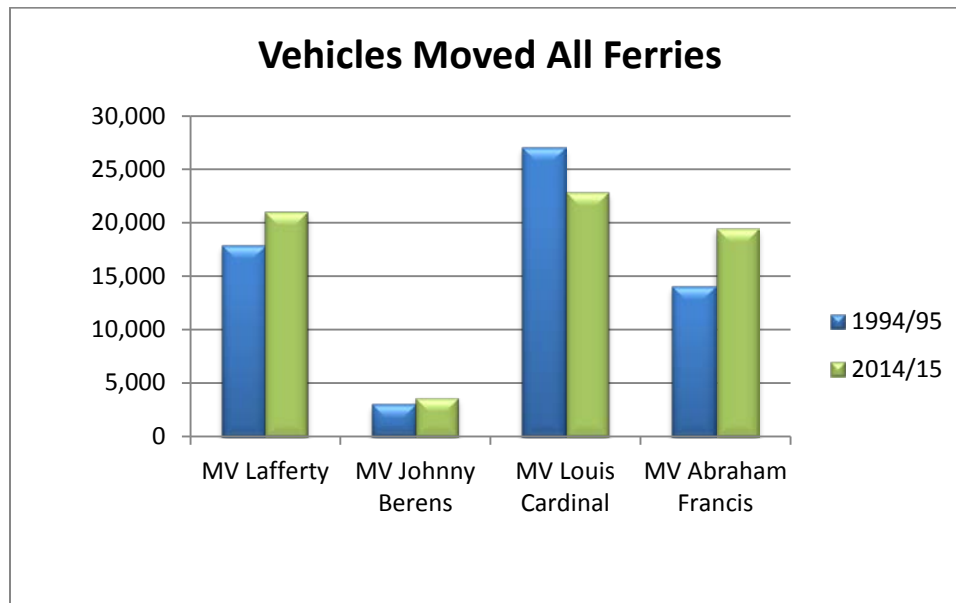


- Traffic at the NWT “A” airports has **increased** since 1994;





- Traffic has generally **increased** at the four ferries currently operated by the Department

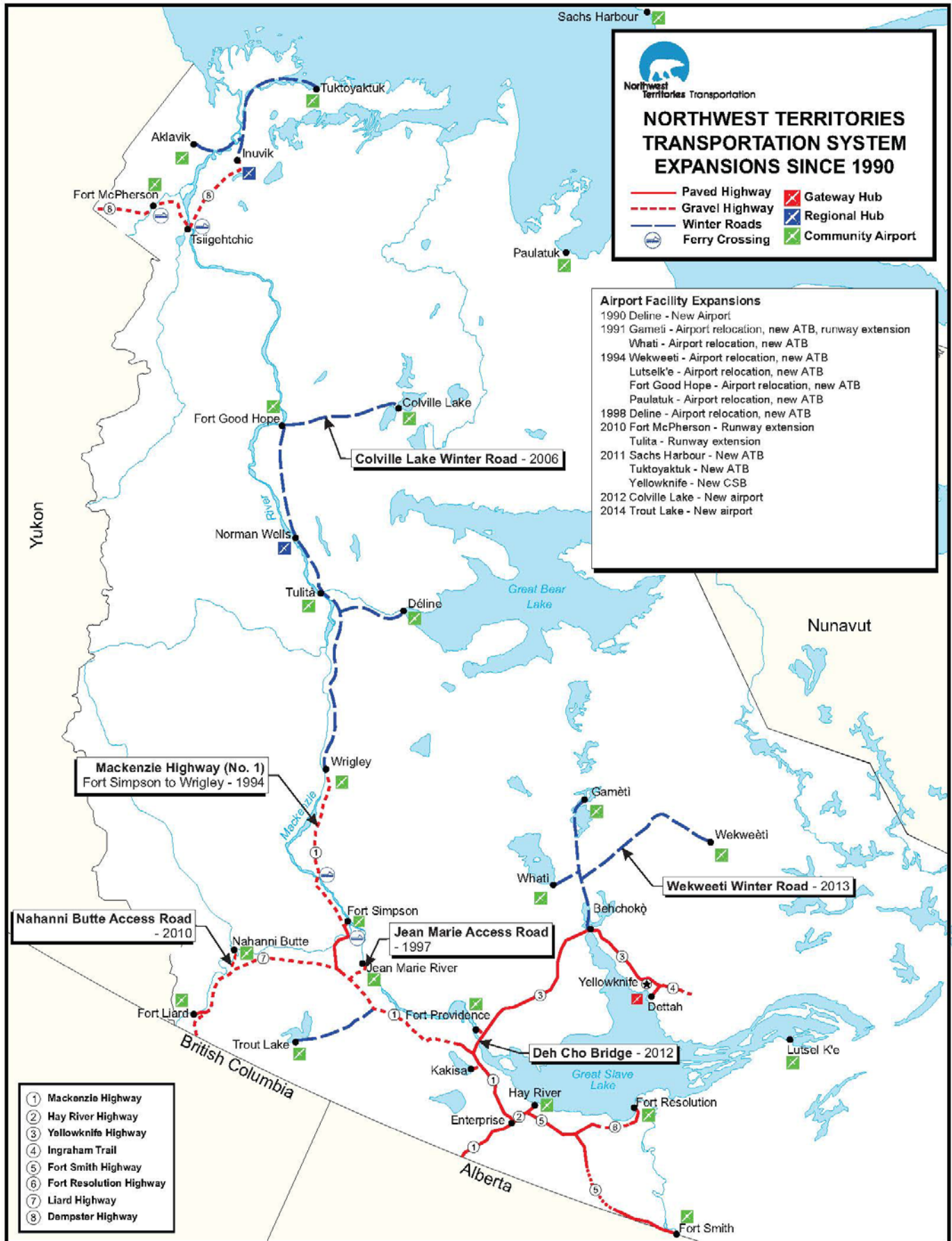


Capturing Opportunities

Measure: *Transportation infrastructure and services continue to expand*

Key Achievements

- Successfully completed two winter seasons of construction on the **Inuvik to Tuktoyaktuk all-weather highway** which is anticipated to be completed in 2017/18 and eventually connect to an envisioned Mackenzie Valley Highway;
- Advanced the planning stages on three new road corridors including: the **Mackenzie Valley all-weather highway from Wrigley to Norman Wells, an all-season road to Whati in the Tłı̄chǫ region and increased access into the Slave Geological Province**;
- **38 permanent bridges** have been constructed along the Mackenzie Valley Winter Road, stabilizing and extending the operating season;
- Constructed the **Deh Cho Bridge** eliminating the need for an ice crossing and ferry service at Fort Providence and providing continuous access into the North Slave;
- New **all-season access roads** constructed for the communities of Jean Marie River and Nahanni Butte;
- New **winter access roads** constructed annually for the communities of Wekweeti and Colville Lake;
- **Extension of Highway 1** from Fort Simpson to Wrigley;
- Expanded local transportation infrastructure for 30 NWT communities through 295 **Community Access Program (CAP)** road and marine projects;
- Airport improvement projects have taken place at all 27 community airports and include new air terminal buildings for 10 communities, runway extensions in 3 communities, airport relocations for 9 communities, 2 new airport constructions, and 1 combined services building constructed since 1990



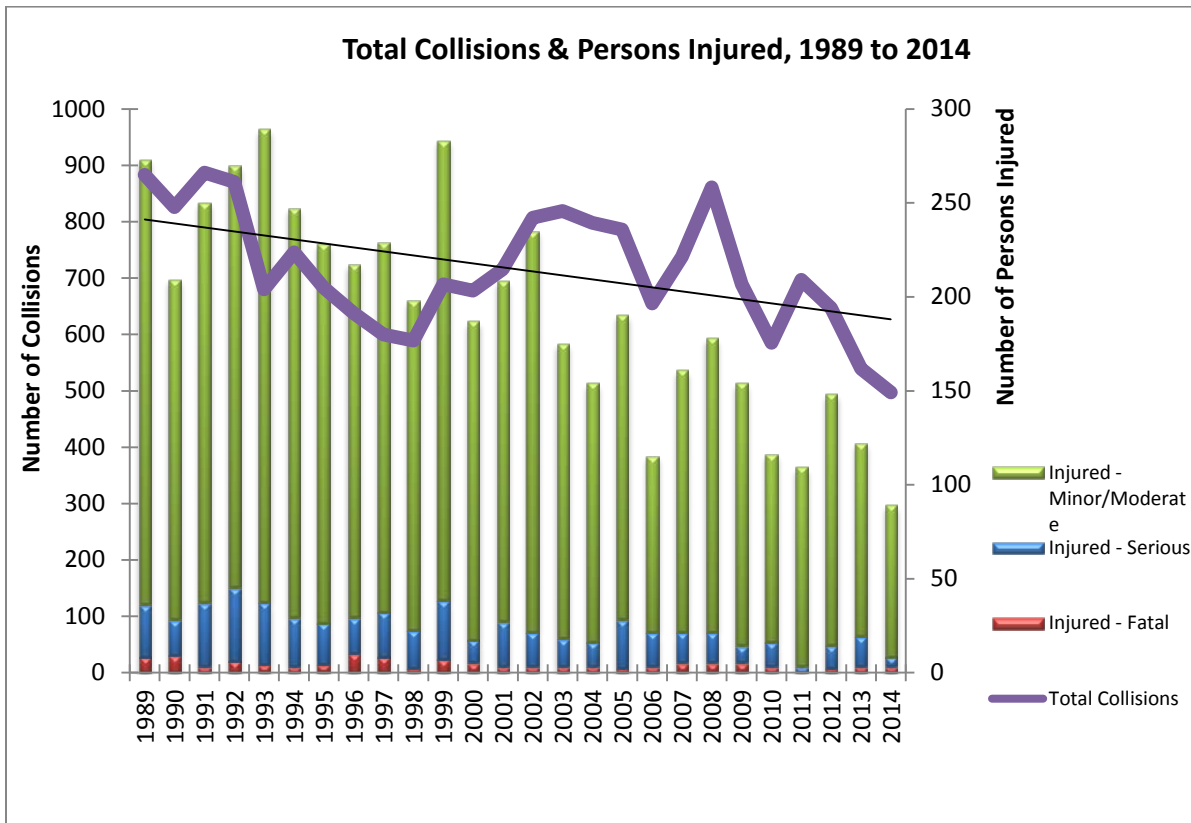
Embracing Innovation

Measure: *Transportation programs, policies and services continue to improve*

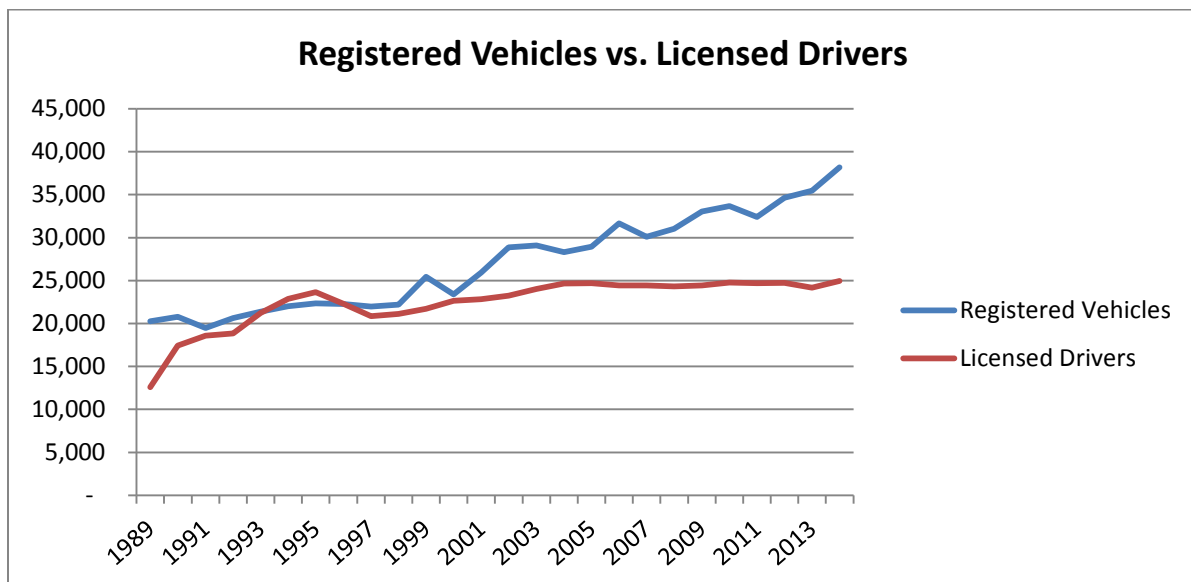
Key Achievements

- **\$1.85 million** invested over 7 years in climate change research and development under the Building Canada Plan;
- Participation in Transport Canada Networks of Expertise on Permafrost and Transportation in Arctic Waters which have directed over **\$4 million** to climate change adaptation research across the north;
- Improved delivery of driver and motor vehicle services by offering **online vehicle registration and driver exam bookings**;
- Improved safety and efficiency of ice road and crossings through use of **ice-spray and ice profiling technologies**;
- Published an environmental strategy entitled **Green Light** which identified a goal of fostering a corporate culture of environmental excellence;
- Established a **Facilities Inspections Program** and **Environmental Liability Inventory** to monitor the condition and compliance status of DOT facilities;
- **Over 3,000 followers** since joining Twitter and **over 3.5 million views** on its website in the last 5 years;
- Constructed one **Road Weather Information System (RWIS)** at Chan Lake on Highway 3 providing important information to highway maintenance personnel;
- Implemented a **Bridge Managements System (BMS)** to assist in asset management and forecast maintenance and replacement schedules for structures along NWT highways;
- Installed an **automated toll gantry** for commercial carriers at the Deh Cho Bridge;
- Established a **24/7 permitting centre** reducing administrative duties for Highway Traffic Officers and allowing commercial carriers to receive services 365 days of the year;
- Implemented a **Safety Management System** and began running **full-scale emergency exercises** in various communities to reduce the number of accidents and incidents in the northern aviation industry;

- Vehicle collisions in the NWT are **trending downwards**;



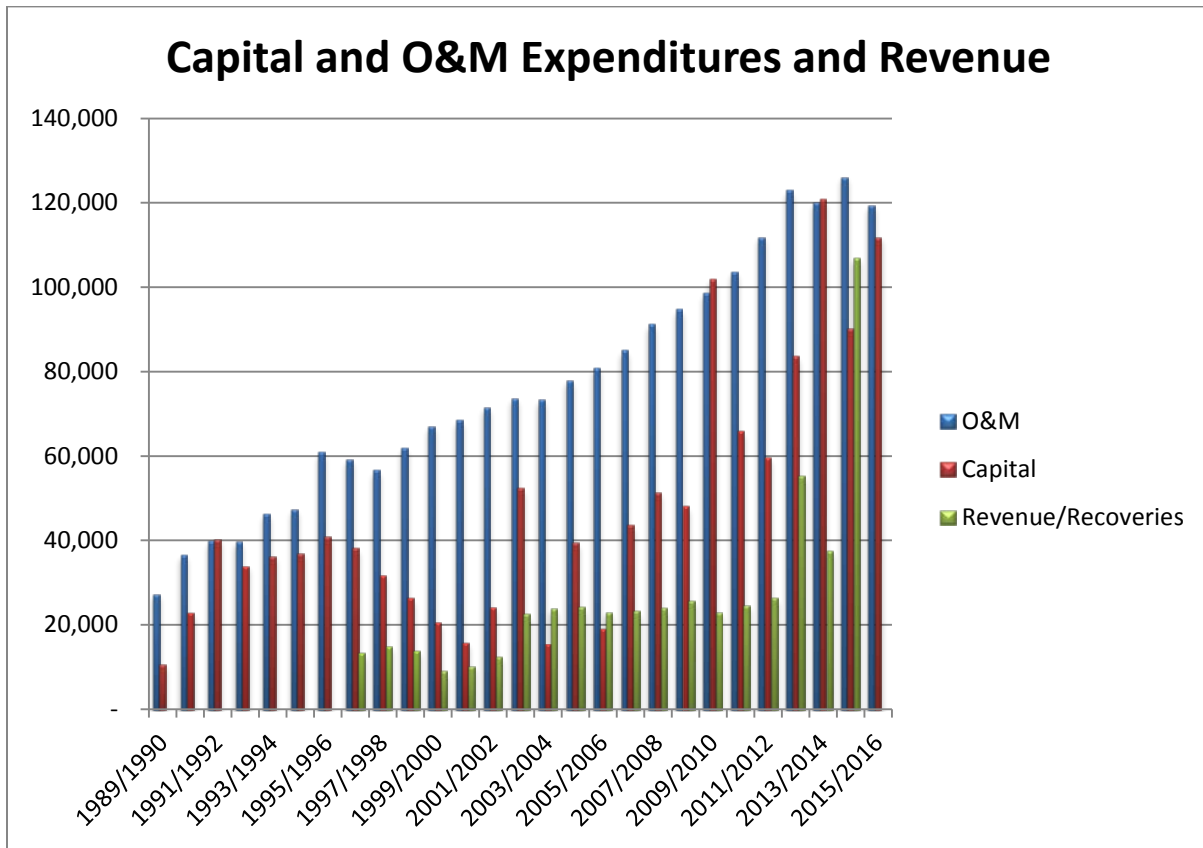
- The number of registered vehicles and licensed driver in the NWT has **increased** since 1990



Metrics and Data

1.0 Finance

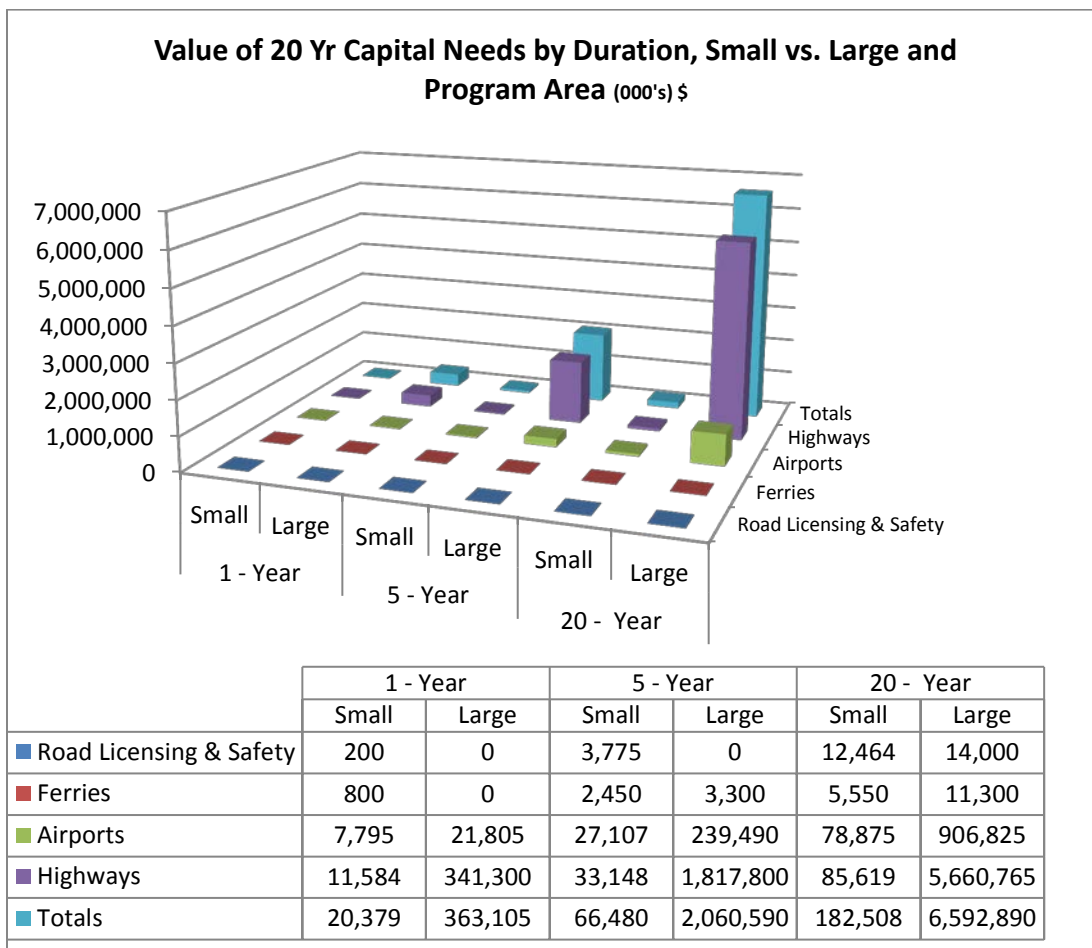
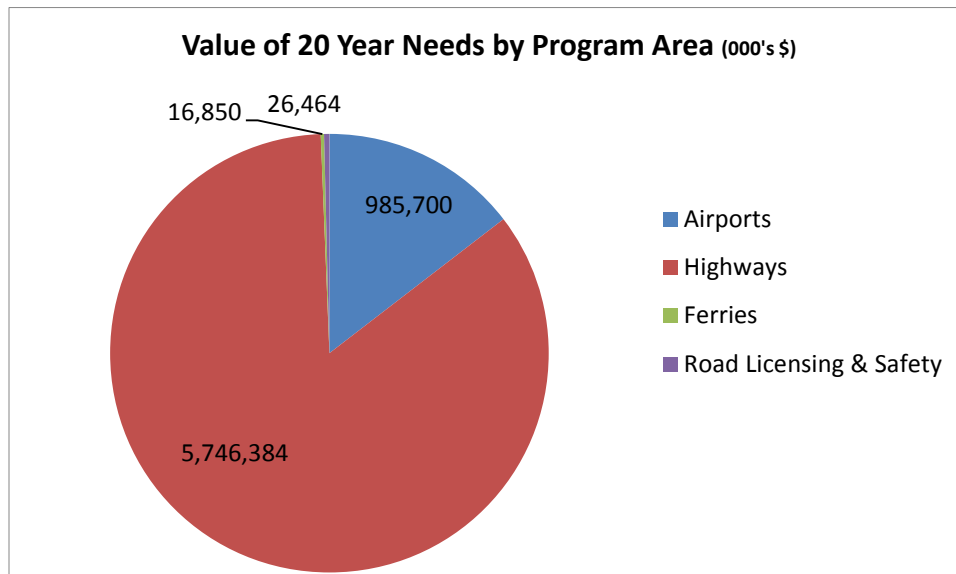
1.1 Capital and Operations Expenditures and Revenues



* The above graph does not include capital expenditures for the Deh Cho Bridge totaling \$163,000,000 in 2010/11 and \$27,700,000 in 2011/12.

** Data on Department revenue could not be found for fiscal years prior to 1996/97

1.2 Analysis of Capital Needs

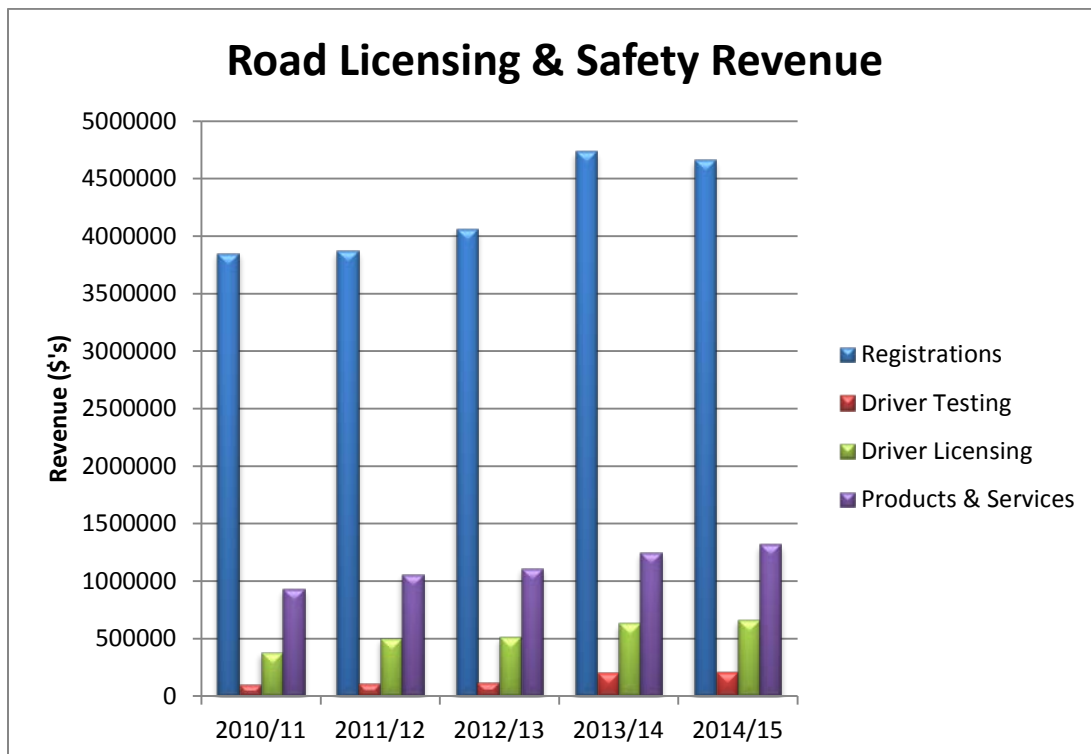
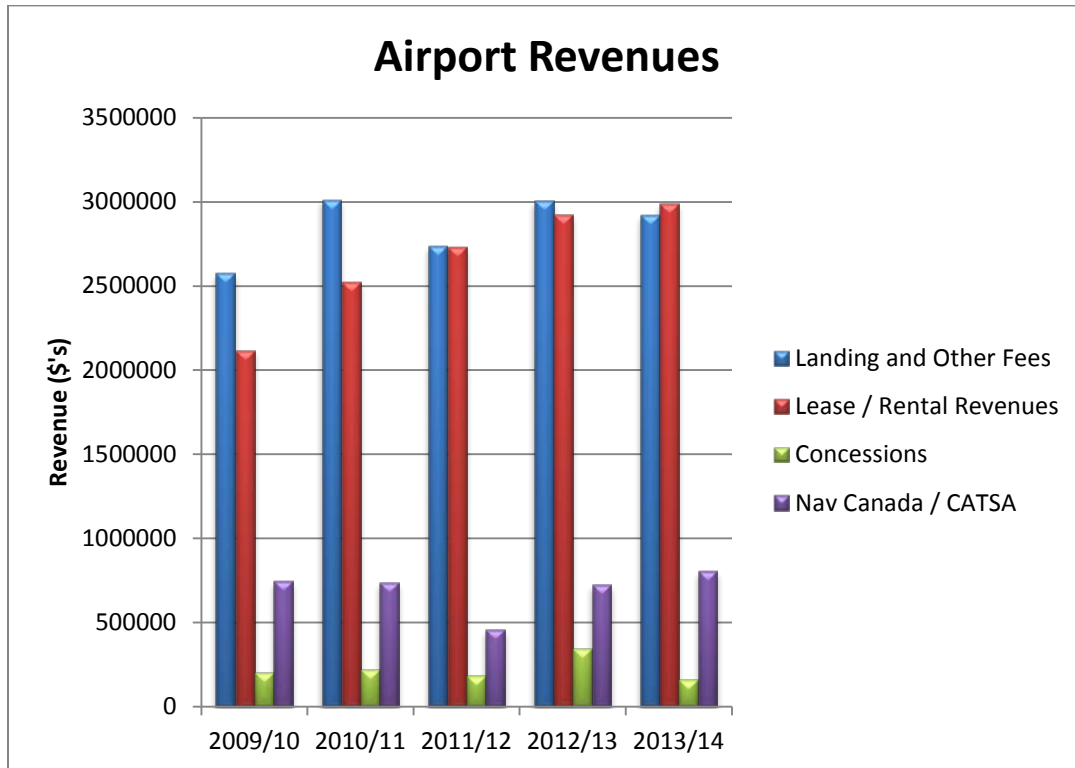


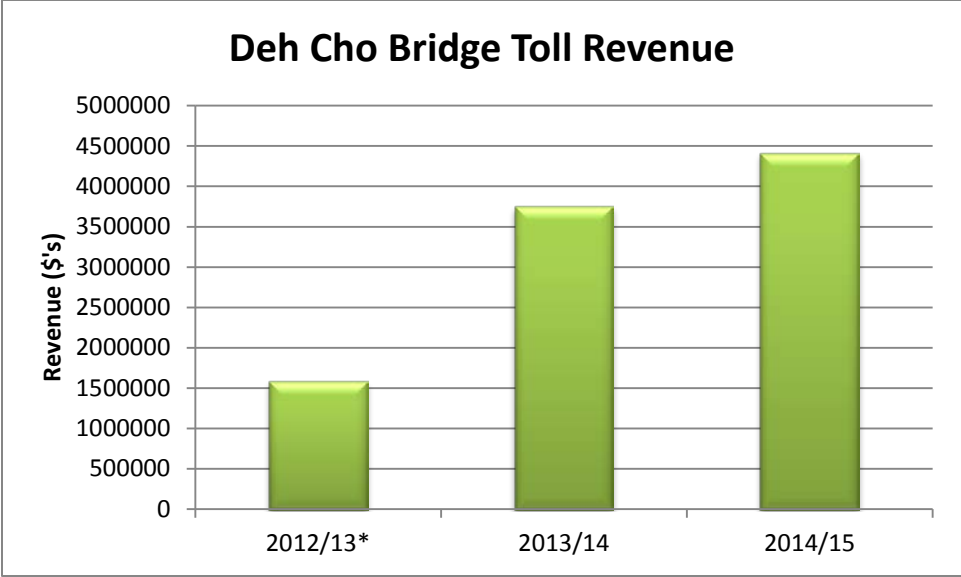
Highways require the majority of the Department's capital investments

1.3 Major Partnership Funding

Funding Partner	Program	Years Active	Partner's Total Contribution to NWT
Government of Canada	Canada Strategic Infrastructure Fund	2003 - 2014	\$65 million
Government of Canada	Building Canada Plan	2007 - 2014	\$185.8 million
Government of Canada	New Building Canada Plan	2014 - Present	\$232.2 million for projects of National and Regional significance. \$188.8 million for communities.
Government of Canada	Airports Capital Assistance Program	1995 - present	\$24.8 million
Government of Canada	Strategic Highway Infrastructure Program	2002 - 2004	\$4.5 million
Government of Canada	Strategic Transportation Improvement Agreement	1993 - 1998	\$10 million

1.4 Airports, Road Licensing, and Deh Cho Bridge Toll Revenues





*Toll was only collected from December 2012 to March 2013.

1.5 Northern, Local, Other contracts and Total Value of Contracts

Contracts April 1, 2000- March 31, 2015				
	Number	Percent	Contract Value	% Value
Southern	720	14.70%	\$214,672,132.69	12.80%
Northern	1807	36.90%	\$402,786,177.65	28.70%
Local	2366	48.40%	\$821,414,329.29	58.50%
Total	4893	100%	\$1,438,872,639.63	100%

Contracts 2014-15 Fiscal Year				
	Number	Percent	Contract Value	% Value
Southern	73	23.2%	\$8,412,809.08	20.7%
Northern	92	29.3%	\$12,791,115.15	31.5%
Local	149	47.5%	\$19,385,595.49	47.8%
Total	314	100%	\$40,589,519.72	100%

Negotiated Contracts		
Year	Number	Value
2010-11	10	\$25,348,831.91
2011-12	7	\$17,448,019.44
2012-13	12	\$60,305,441.87
2013-14	8	\$267,514,939.17
2014-15	1	\$822,335.88

1.6 Community Access Program Expenditures

Fiscal Year	Total CAP Program Expenditure
2010-11	\$993,497.82
2011-12	\$826,175.08
2012-13	\$686,348.86
2013-14	\$862,719.09
2014-15	\$834,566.28

*295 projects in 27 communities since program started in 1990.

2.0 Airports

2.1 Airport Characteristics

NWT AIRPORTS CHARACTERISTICS	Code	Cert/Reg	Population (2013)	Pax (2013)	Aircraft Movements (2013)	Aircraft Movements Increase or Decrease Since 1994	ATB	Critical Aircraft	DOT Airport Classification*	Admin By
Aklavik	YKD	Cert	671	4,342	3,054	11.2% (+)	ATB	B99	B	YEV
Colville Lake	YVL	Reg	156	163	70	125.8% (+)	ATB	DHC6	B	YVQ
Deline	YWJ	Cert	474	17,937	2,782	19.4% (-)	ATB	DHC6	B	YVQ
Fort Good Hope	YGH	Cert	534	10,790	2,636	34.2% (+)	ATB	B99	B	YVQ
Fort Liard	YJF	Reg	569	2,738	2,917	161.2% (+)	ATB	C208	B	YFS
Fort McPherson	ZFM	Cert	782	6,557	1,894	161.6% (+)	ATB	B99	B	YEV
Fort Providence	YJP	Reg	792	292	166	23.0% (+)	No	PA32	C	YZF
Fort Resolution	YFR	Reg	486	2,501	1,190	42.2% (+)	ATB	DHC6	B	YHY
Fort Simpson	YFS	Cert	1,214	20,555	5,228	38.1% (+)	ATB	B737-200	A	YFS
Fort Smith	YSM	Cert	2,529	14,264	6,631	31.6% (-)	ATB	B737-200	A	YSM
Gameti	YRA	Cert	286	3,833	1,702	353.9% (+)	ATB	C208	B	YZF
Hay River	YHY	Cert	3,761	25,294	6,353	18.9% (-)	ATB	B737-200	A	YHY
Inuvik	YEV	Cert	3,361	54,388	12,780	23.0% (-)	ATB	B737-200	A	YEV
Jean Marie River	ET9	Reg	66	330	141	34.3% (+)	No	DHC6	C	YFS
Lutsel K'e	YLK	Cert	299	2,527	2,048	148.2% (+)	ATB	C208	B	YZF
Nahanni Butte	BD6	Reg	99	649	181	16.8% (+)	No	C206	C	YFS
Norman Wells	YVQ	Cert	754	42,201	18,614	9.8% (+)	ATB	B737-200	A	YVQ
Paulatuk	YPC	Cert	313	4,223	1,520	176.4% (+)	ATB	B99	B	YEV
Sachs Harbour	YSY	Cert	120	2,773	997	78.0% (+)	ATB	B99	B	YEV
Trout Lake	EU9	Reg	98	475	156	48.6% (+)	No (Planned)	DHC6	B	YFS
Tuktoyaktuk	YUB	Cert	887	17,694	2,534	70.8% (-)	ATB	B99	B	YEV
Tulita	ZFN	Cert	507	14,297	3,926	53.4% (+)	ATB	C208	B	YZF
Ulukhaktok	YHI	Cert	419	11,583	1,343	93.2% (+)	ATB	HS748	B	YEV
Wekweeti	YWE	Cert	141	1,890	624	11.8% (+)	ATB	C206	B	YZF
Wha Ti	EM3	Cert	501	2,587	1,040	52.9% (+)	ATB	C208	B	YZF
Wrigley	YWY	Reg	152	1,948	2,119	108.0% (+)	ATB	DHC6	B	YFS
Yellowknife	YZF	Cert	20,295	524,916	51,965	11.2% (+)	ATB	B737-200	A	YZF

*Arctic "A" airports are defined as such by having a minimum runway size of 6000 x 150 feet. Arctic "B" airports feature a minimum runway size of 5000 x 150 feet and "C" airports feature a minimum runway size of 2500 by 100 feet.

2.2 Airport Navigation Services

NWT AIRPORTS SERVICES	Code	Air Traffic Service	Total Weekly Hours of Operation	Daily Hours of Operation	Contractor	Contractor Telephone
Aklavik	YKD	CARS	65 hours/week	Mon-Sat: 07:00-17:00 Sun: 08:00-13:00	ATS Services Ltd.	(867) 978-2309
Colville Lake	YVL	AWOS	N/A	N/A	N/A	N/A
Deline	YWJ	CARS	65 hours/week	Mon-Sat: 08:00-18:00 Sun: 11:00-16:00	ATS Services Ltd.	(867) 589-3033
Fort Good Hope	YGH	CARS	65 hours/week	Mon-Sat: 07:00-17:00 Sun: 07:00-12:00	ATS Services Ltd.	(867) 598-2241
Fort Liard	YJF	CARS	40 hours/week	Mon-Fri: 08:00-16:00	ATS Services Ltd.	(867) 770-3171
Fort McPherson	ZFM	CARS	65 hours/week	Mon-Sat: 07:00-17:00 Sun: 08:00-13:00	ATS Services Ltd.	(867) 952-2121
Fort Providence	YJP	N/A	N/A	N/A	N/A	N/A
Fort Resolution	YFR	CARS	40 hours/week	Mon-Fri: 08:00-16:00	ATS Services Ltd.	(867) 394-4131
Fort Simpson	YFS	CARS	168 hours/week	24 hours, 7 days/week	ATS Services Ltd.	(867) 695-2491
Fort Smith	YSM	CARS	168 hours/week	24 hours, 7 days/week	ATS Services Ltd.	(867) 872-2376
Gameti	YRA	CARS	65 hours/week	Sun-Fri: 08:00-18:00 Sat: 09:00-14:00	ATS Services Ltd.	(867) 997-3028
Hay River	YHY	CARS	168 hours/week	24 hours, 7 days/week	ATS Services Ltd.	(867) 874-2441
Inuvik	YEV	FSS	168 hours/week	24 hours, 7 days/week	NAV CANADA	(867) 777-2522
Jean Marie River	ET9	N/A	N/A	N/A	N/A	N/A
Lutsel K'e	YLK	CARS	65 hours/week	Sun-Fri: 08:00-18:00 Sat: 09:00-14:00	ATS Services Ltd.	(867) 370-3826
Nahanni Butte	BD6	N/A	N/A	N/A	N/A	N/A

Norman Wells	YVQ	FSS	168 hours/week	24 hours, 7 days/week	NAV CANADA	(867) 587-2555
Paulatuk	YPC	CARS	65 hours/week	Mon-Sat: 07:00-17:00 Sun: 07:00-12:00	ATS Serves Ltd. /JR's Weather Observation Services	(867) 580-3111
Sachs Harbour	YSY	CARS	65 hours/week	Mon-Sat: 07:00-17:00 Sun: 07:00-12:00	ATS Services Ltd.	(867) 690-4261
Trout Lake	EU9	N/A	N/A	N/A	N/A	N/A
Tuktoyaktuk	YUB	CARS	161 hours/week	Mon-Sun: 07:00-23:00	ATS Services Ltd.	(867) 977-2469
Tulita	ZFN	CARS	40 hours/week	Mon-Fri: 09:00-17:00	ATS Services Ltd.	(867) 588-3191
Ulukhaktok	YHI	CARS	50 hours/week	Mon-Sat: 08:00-18:00 Sun: 08:00-13:00	ATS Services Ltd.	(867) 396-3141
Wekweeti	YWE	AWOS	N/A	N/A	N/A	N/A
Wha Ti	EM3	N/A	N/A	N/A	N/A	N/A
Wrigley	YWY	CARS	50 hours/week	Mon-Fri: 08:00-16:00	ATS Services Ltd.	(867) 581-3501
Yellowknife	YZF	FSS	168 hours/week	24 hours, 7 days/week	NAV CANADA	(867) 873-4049

*HWOS is operational at all DOT's airports where there is located a CARS Station, FSS Station or an ATC Tower.

NWT AIRPORTS VISUAL & NAVAIDS	Airfield Lighting (Low Intensity)	Airfield Lighting (Medium Intensity)	Airfield Lighting (High Intensity)	Airfield Lighting (LED)	APAPI	Approach Lighting (Low Intensity)	ARCAL (Type J)	ARCAL (Type K)	A W O S	D M E	Hazard Beacon	I L S	NDB (Low Power)	NDB (Medium Power)	PAPI P1 (<10 ft)	PAPI P2 (>10 ft & <25 ft)	RILS/ REILS	R V R	S S R	Strobe Beacon	VASIS	VOR/ DME	VOR TAC	Wind Direction Indicator
Aklavik		X			X			X					X				X			X				1
Colville Lake		X			X		X		X								X			X				2
Deline		X			X			X					X				X			X				1
Fort Good Hope		X			X			X					X				X			X		X		2
Fort Liard	X				X		X				X		X				X			X				1
Fort McPherson		X			X			X					X				X			X				1
Fort Providence	X						X													X				1
Fort Resolution		X					X						X	X			X			X				2
Fort Simpson		X						X					X		X					X		X		2
Fort Smith		X				X							X				X			X	X	X		3
Gameti		X			X			X									X			X				1
Hay River		X	X					X				X				X				X		X		3
Inuvik			X			X				X		X		X						X	X	X		2
Jean Marie River		X						X												X				1
Lutsel K'e		X			X			X			X						X			X				1
Nahanni Butte				X				X												X				1
Norman Wells		X				X							X		X	X	X			X		X		2
Paulatuk		X			X			X					X				X			X				1
Sachs Harbour		X						X					X	X			X			X				1
Trout Lake		X			X												X			X				1
Tuktoyaktuk		X						X					X				X			X	X			2
Tulita		X			X			X			X		X				X			X				1
Ulukhaktok		X						X					X	X			X			X				2
Wekweeti	X				X			X	X								X			X				1
Wha Ti		X			X			X									X			X				1
Wrigley		X					X						X				X			X	X	X		1
Yellowknife		X	X									X		X		X	X	X	X	X		X	X	4
TOTAL	3	21	3	1	12	3	4	17	1	1	3	3	3	14	3	4	20	1	1	27	4	6	1	42

Nomenclature:

APAPI:	Abbreviated Precision Approach Path Indicator
ARCAL:	Aircraft Radio Control of Aerodrome Lighting- 122.1 or 123.2 Type J and K
AWOS:	Aviation Weather Observation System
DME:	Distance Measuring Equipment
ILS:	Instrument Landing System
NDB:	Non-Directional Beacon
PAPI:	Precision Approach Path Indicator
REILS:	Runway End Identification Lighting System
RILS:	Runway Identification Lighting System
RVR:	Runway Visual Range
SSR:	Secondary Surveillance Radar
VOR/DME:	VHF Omni-Directional Range/Distance Measuring Equipment
VORTAC:	VHF Omni-Directional Range/Tactical Air Navigation Equipment
VASIS:	Visual Approach Slope Indicator System

2.3 Airport Runway Characteristics

	Identifier	Runway Designation	Reference Code	Runway Type	Runway Size (ft)
Aklavik	YKD	13	2B/NI	Gravel	3002' x 75'
		31	2B/NI	Gravel	3002' x 75'
Colville Lake	YVL	17	2B/NI	Gravel	3935' x 98'
		35	2B/NI	Gravel	3935' x 98'
Deline	YWJ	08	2B/NI	Gravel	3934' x 98'
		26	2B/NI	Gravel	3934' x 98'
Fort Good Hope	YGH	07	3B/NP	Gravel	4434' x 98'
		25	3B/NP	Gravel	4434' x 98'
Fort Liard	YJF	03	2B/NI	Gravel	2946' x 98'
		21	2B/NI	Gravel	2946' x 98'
Fort McPherson	ZFM	12	2C/NI	Gravel	3935' x 100'
		30	2C/NI	Gravel	3935' x 100'
Fort Providence	YJP	13	-	Gravel	2999' x 100'
		31	-	Gravel	2999' x 100'
Fort Resolution	YFR	13	3B/NI	Gravel	4001' x 100'
		31	3B/NP	Gravel	4001' x 100'
Fort Simpson	YFS	14	4C/NP	Asphalt	6000' x 150'
		32	4C/NP	Asphalt	6000' x 150'
Fort Smith	YSM	12	3C/NP	Asphalt	6001' x 200'
		30	3C/NP	Asphalt	6001' x 200'
		03	1B/NI	Asphalt/Gravel	1797' x 100'
		21	1B/NI	Asphalt/Gravel	1797' x 100'
Gameti	YRA	14T	2B/NI	Gravel	3000' x 100'
		32T	2B/NI	Gravel	3000' x 100'
Hay River	YHY	14	4C/NP	Asphalt	6000' x 150'
		32	4C/P	Asphalt	6000' x 150'
		05	3C/NI	Asphalt/Gravel	4001' x 150'
		23	3C/NI	Asphalt/Gravel	4001' x 150'
Inuvik	YEV	06	4C/P	Asphalt	6001' x 150'
		24	4C/NP	Asphalt	6001' x 150'
Jean Marie River	ET9	11	-	Gravel	2512' x 60'
		29	-	Gravel	2512' x 60'
Lutselk'e	YLK	08T	2B/NI	Gravel	3003' x 100'
		26T	2B/NI	Gravel	3003' x 100'
Nahanni Butte	BD6	16	-	Gravel/Earth	2554' x 50'
		34	-	Gravel/Earth	2554' x 50'
Norman Wells	YVQ	09	4C/NP	Asphalt	5997' x 150'
		27	4C/NP	Asphalt	5997' x 150'
Paulatuk	YPC	02T	3B/NP	Gravel	4003' x 100'
		20T	3B/NP	Gravel	4003' x 100'
Sachs Harbour	YSY	08T	3B/NP	Gravel	4003' x 100'
		26T	3B/NP	Gravel	4003' x 100'
Trout Lake	EU9	04	-	Gravel	3501' x 98'
		22	-	Gravel	3501' x 98'
Tuktoyaktuk	YUB	10	3C/NI	Gravel	5000' x 140'
		28	3C/NI	Gravel	5000' x 140'
Tulita	ZFN	06	2B/NI	Gravel	3935' x 100'
		24	2B/NI	Gravel	3935' x 100'
Ulukhaktok	YHI	06T	3C/NI	Gravel	4300' x 100'
		24T	3C/NI	Gravel	4300' x 100'
Wekweeti	YWE	13T	2B/NI	Gravel	2999' x 75'
		31T	2B/NI	Gravel	2999' x 75'
What Ti	EM3	10	2B/NI	Gravel	2991' x 100'
		28	2B/NI	Gravel	2991' x 100'
Wrigley	YWY	11	2B/NI	Gravel	3500' x 100'
		29	2B/NI	Gravel	3500' x 100'
Yellowknife	YZF	16	4C/NP	Asphalt	7503' x 150'
		34	4C/P	Asphalt	7503' x 150'
		10	3C/NP	Asphalt	5001' x 150'
		28	3C/NP	Asphalt	5001' x 150'

Transport Canada Airport Reference Codes

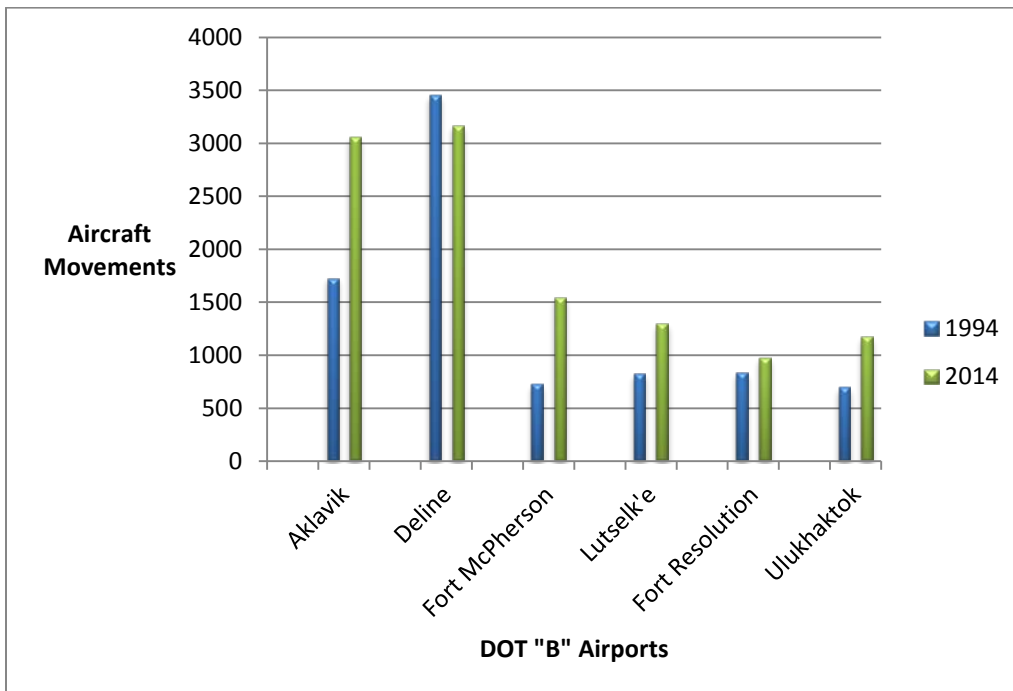
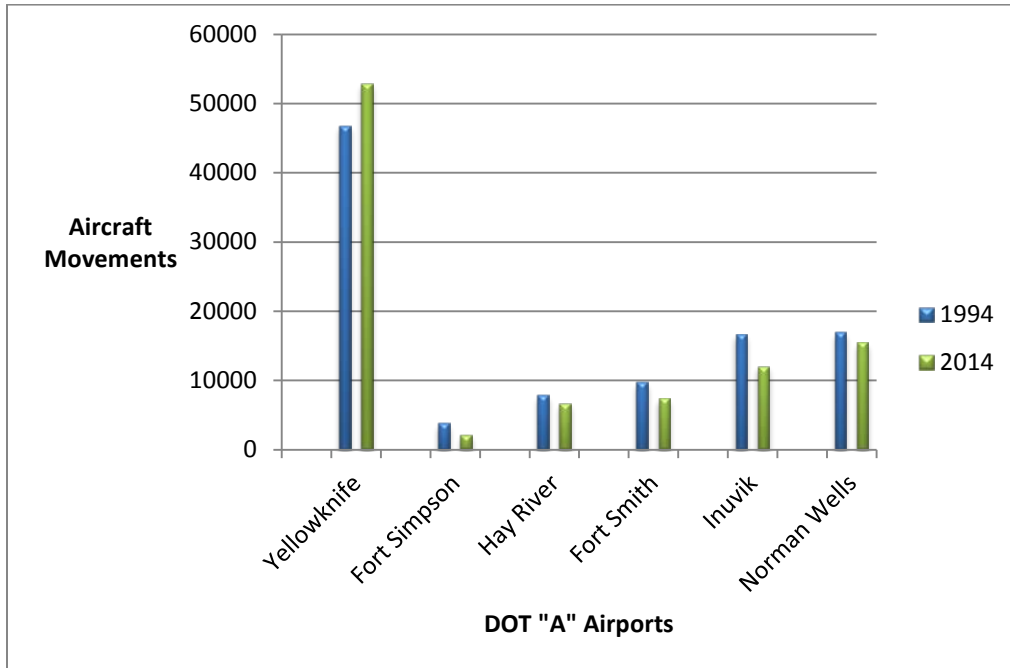
Code 1: < 800 m	P: Precision
Code 2: ≥ 800 m & < 1200 m	NP: Non-Precision
Code 3: ≥ 1200 m & < 1800 m	NI: Non-Instrument
Code 4: ≥ 1800 m	

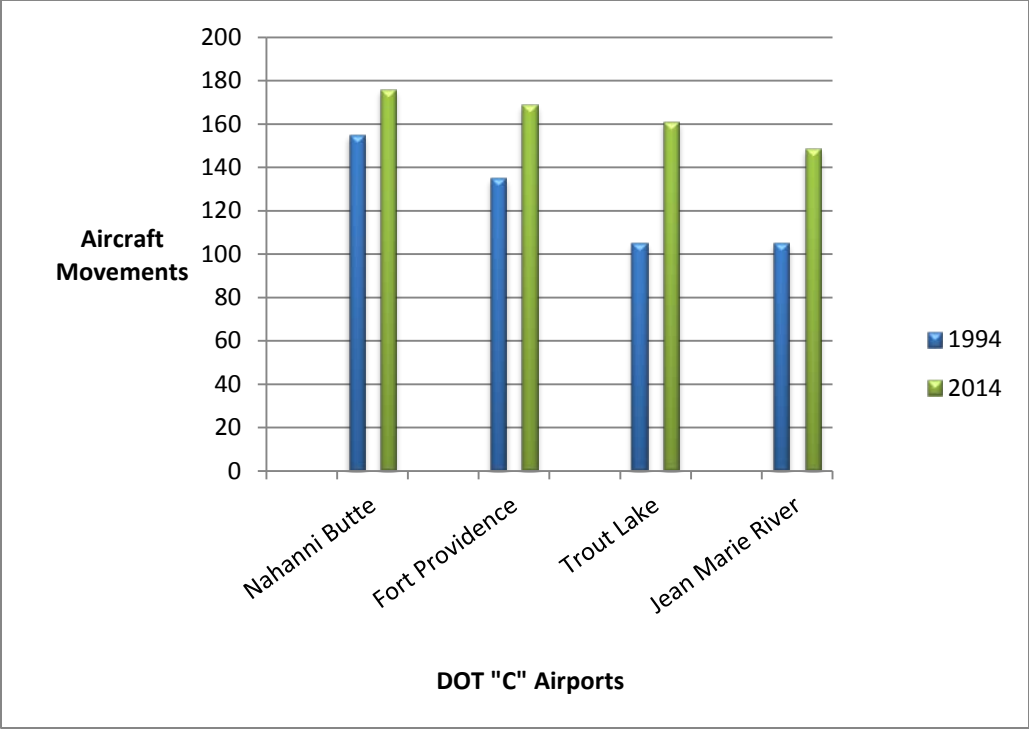
Code A: wingspan < 15 m , outer main gear wheel span < 4.5 m
 Code B: wingspan ≥ 15 m & < 24 m , outer main gear well span ≥ 4.5 m & < 6 m
 Code C: wingspan ≥ 24 m & < 36 m , outer main gear well span ≥ 6 m & < 9 m
 Code D: wingspan ≥ 36 m & < 52 m , outer main gear well span ≥ 9 m & < 14 m
 Code E: wingspan ≥ 52 m & < 65 m , outer main gear well span ≥ 9 m & < 14 m

2.4 Current Critical Aircraft and Future Potential Alternatives

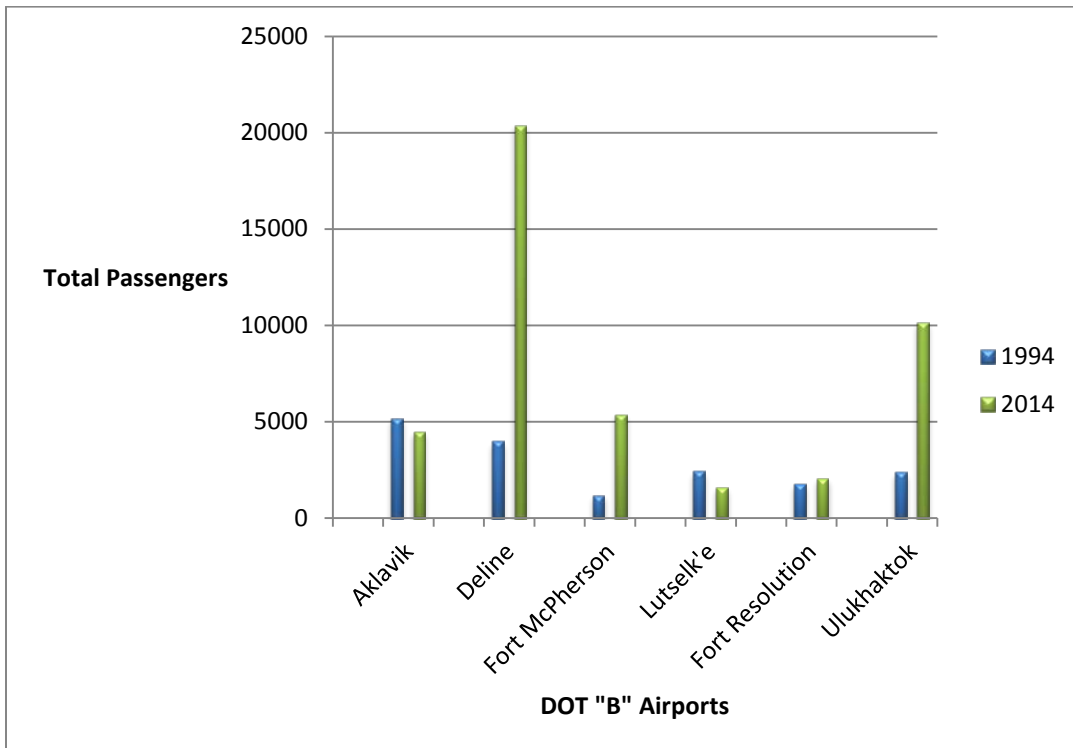
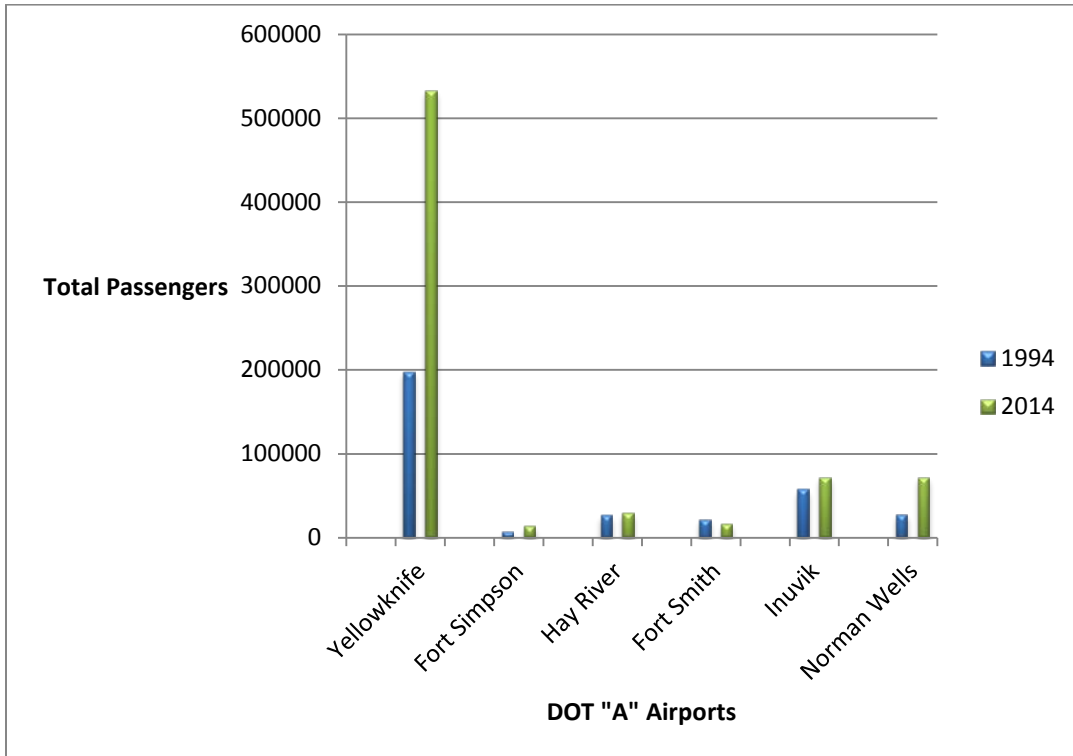
Airline	Largest Aircraft in Operation	Potential Future Alternatives
Air Canada	CRJ200	CRJ705, Q400, B737 MAX
Air North	B737-400/500	B737-600/700/800
Air Tindi	DHC7	DHC-8, Q400
Aklak Air	B1900D	B1900D, D228
Buffalo Airways	L188	L-382G, C-130
Canadian North	B737-300	B737-600/700
First Air	B737-400	B737-600/700
Northwestern Air	JS 31/32	B1900D
North-Wright	B1900D	DHC-8
Summit Air	RJ85	Q400
WestJet	B737-600/700	B737-700/800

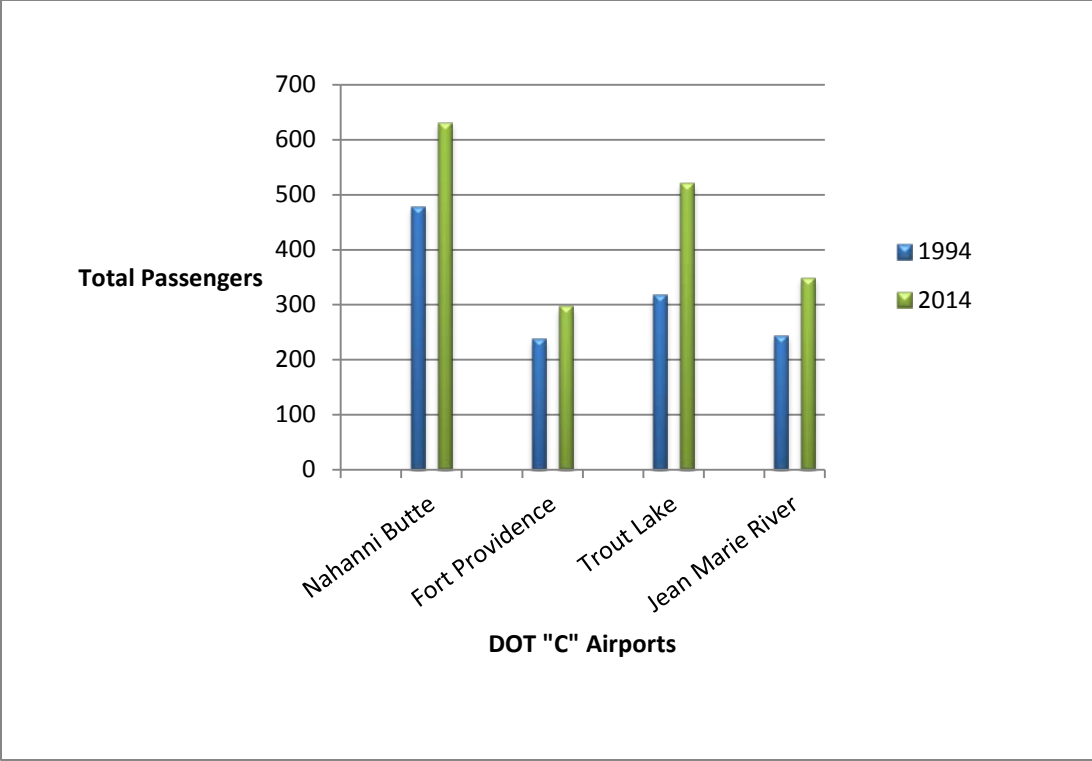
2.5 Aircraft Movements



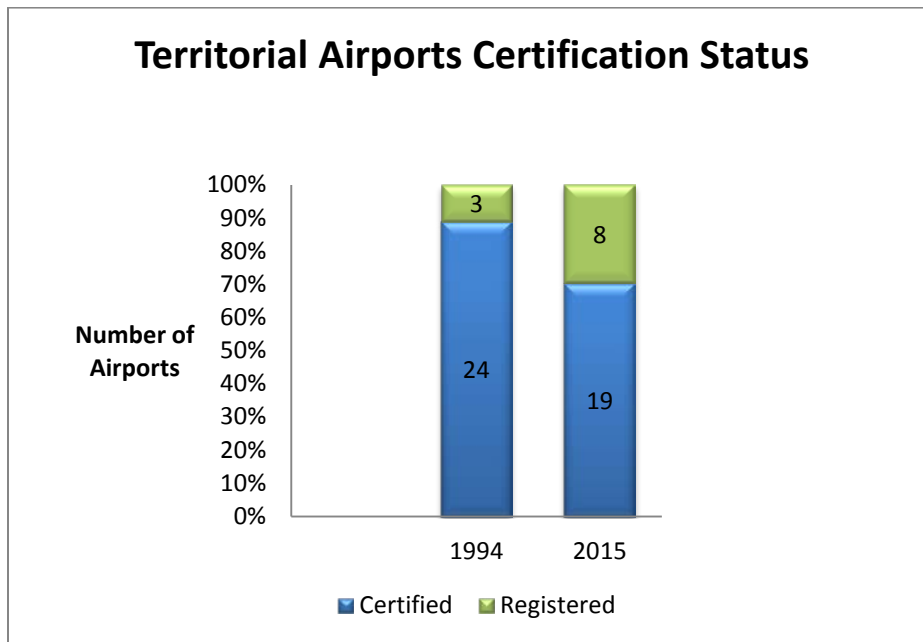


2.6 Airport Passenger Movements





2.7 Airport Certification Status



*2016 forecast estimates there will be 21 certified and 6 registered airports in the NWT

3.0 Highways and Winter Roads

3.1 Numbered Highways

Highway	Highway Name	Length (km)	Year First Opened
Highway 1	Mackenzie Highway	688.0	1948 ^[1] , 1994 ^[2]
Highway 2	Hay River Highway	48.6	1948
Highway 3	Yellowknife Highway	338.8	1960 ^[3]
Highway 4	Ingraham Trail	69.2	1963
Highway 5	Fort Smith Highway	266.0	1966
Highway 6	Fort Resolution Highway	90.0	1964
Highway 7	Liard Highway	254.1	1983
Highway 8	Dempster Highway	272.5	1979

^[1] to Enterprise

^[2] to Wrigley

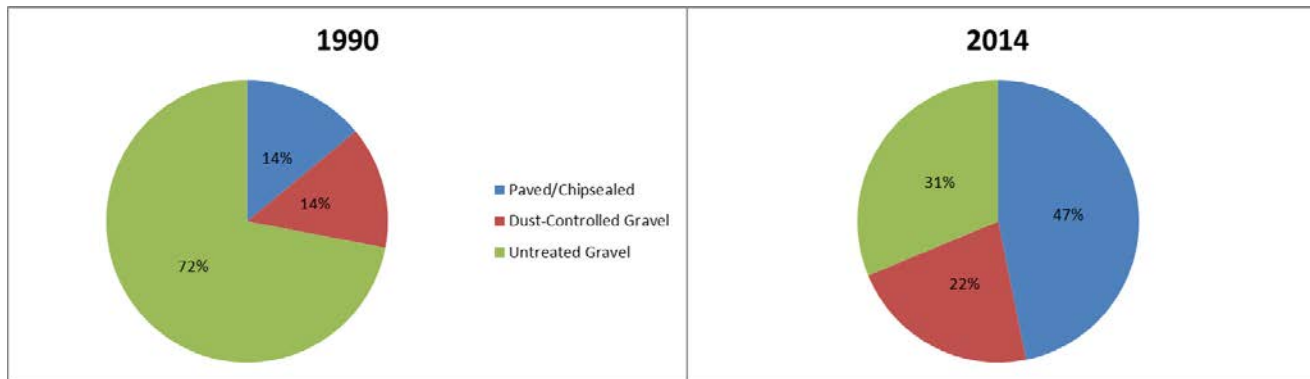
^[3] to Yellowknife

3.2 Access Roads

Access Road	Length (km)
Kakisa Lake Access	12.9
Fort Simpson Access	3.4
Jean Marie River Access	27.4
Fort Providence Access	5.4
Rae Access	10.5
Dettah Access	11.2
Hay River Reserve Access	14.3
Fort Liard Access	5.3
Nahanni Butte Access	22.3
Yellowknife Access	1.7
Fort McPherson Access	1.1
Inuvik Access	0.6
Highway 3 Ice Crossing Access	9.4
Miscellaneous Minor Access	56.9

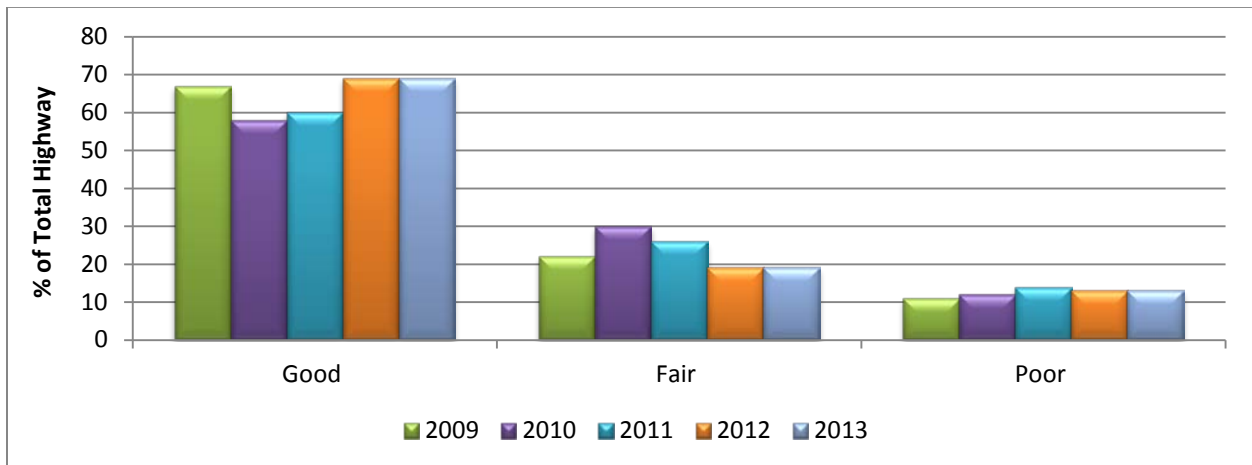
3.3 Highway Surface Types

Highway Surface Type	2010	2011	2012	2013	2014
Paved/Chipsealed	969.1	1038.7	1036.5	1032.4	1032.4
Dust-Controlled Gravel	541.5	480.1	480.3	483.3	483.3
Untreated Gravel	697.3	689.2	689.2	689.2	689.2
Total	2207.9	2208	2206	2204.9	2204.9



The amount of paved highway in the territory has increased significantly since 1990

3.4 Highway Conditions



*TAC – represents standards defined by Transportation Association of Canada

Highway 1

Description	Existing road geometry	TAC*
Highway Classification	RAU100	RAU100
Travelled Lane (m)	3.5 - 3.7	3.5
Shoulder (m)	0 - 2.5	2.5
Rounding (m)	No rounding	0.5
Road width (m)	8.5 - 12.4	12
Side slope	3:1 (avg.)	4:1

Highway 2

Description	Existing road geometry	TAC*
Highways Classification	RAU100	RAU100
Travelled Lane (m)	3.7	3.7
Shoulder (m)	0.7 – 2.1	3.0
Shoulder Rounding (m)	0.5	1.0
Road width (m)	8.8 - 11.6	13.4
Side slope	3:1 (avg.)	6:1

Highway 3

Description	Existing road geometry	TAC*
Highways Classification	RAU100	RAU100
Travelled Lane (m)	3.7	3.7
Shoulder (m)	1.5 – 3.0	3.0
Shoulder Rounding (m)	0.5	1.0
Road width (m)	10.4 – 13.4	13.4
Side slope	3:1 (avg.)	6:1

Highway 4

Description	Existing	TAC*	Comment
Highways Classification	RCU80	RCU80	Km 0.0 to Km 7.0 is a new realignment and follows TAC guidelines and Km 35.0 to Km 69.2 is a gravel road
Travelled Lane (m)	3.5-3.7	3.7	
Shoulder (m)	0.0-2.0	2.5	
Rounding (m)	0.0-0.5	0.5	
Road width (m)	7.0-11.4	12.4	
Side slope	3:1 (avg.)	4:1	

Highway 5

Description	Existing road geometry	TAC*
Highways Classification	RAU100	RAU100
Travelled Lane (m)	3.5 - 3.7	3.5
Shoulder (m)	0 - 1.2	2.5
Rounding (m)	No rounding	0.5
Road width (m)	7.9 - 9.4	12
Side slope	3:1 (avg.)	4:1

Highway 6

Description	Existing	TAC*
Highways Classification	RCU 100	RCU100
Travelled Lane (m)	3.5 - 3.7	3.5
Shoulder	0 – 1.5	2.5
Rounding	No rounding	1.0
Road width (m)	7.6 – 10.0	12
Side slope	3:1 (avg.)	6:1

Highway 7

Description	Existing road geometry	TAC*
Highways Classification	RAU90	RAU90
Travelled Lane (m)	3.25 - 5	3.5
Shoulder (m)	No shoulder	2.5
Rounding (m)	No rounding	0.5
Road width (m)	6.5 - 10	12
Side slope	3:1 (avg.)	4:1

Highway 8

Description	Existing road geometry	TAC*
Highway Classification	RAU 90	RAU 90
Travelled Lane (m)	3.0 – 3.5	3.5
Shoulder (m)	0 – 1.5	2.5
Rounding (m)	0 – 0.5	0.5
Road Width (m)	7 - 10	12.0
Side slope	3:1 (avg.)	4:1

3.5 Bridge Inventory

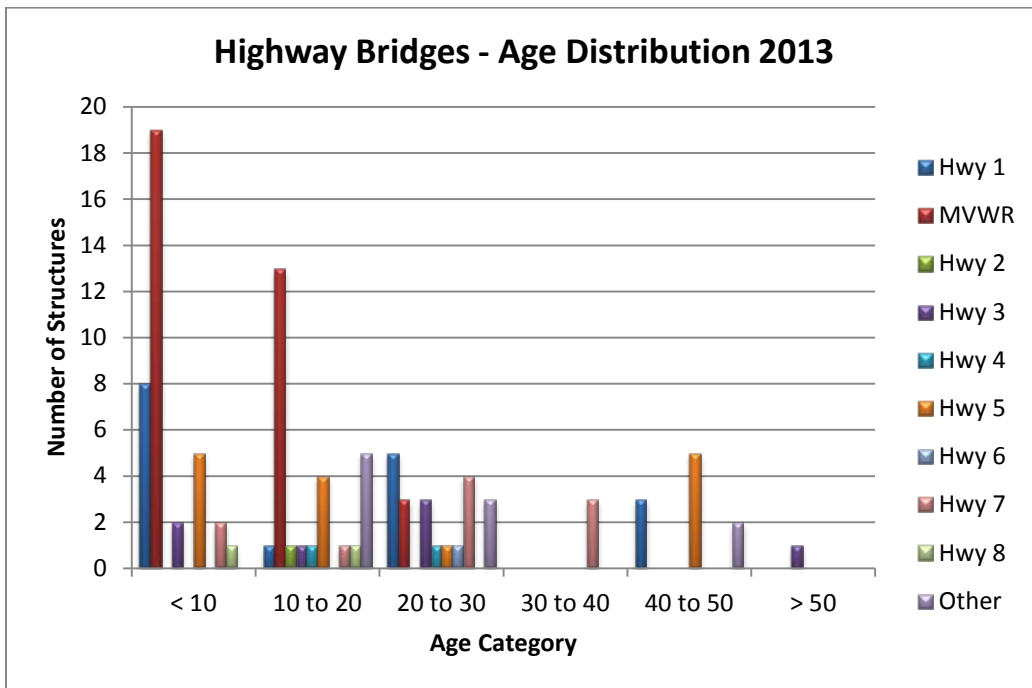
Name	Highway/Winter Road/Access Road	Location (Km)
Reindeer Creek Bridge	Mackenzie Highway (#1)	2.9
Bridge	Mackenzie Highway (#1)	12.7
Swede Creek Bridge	Mackenzie Highway (#1)	41.1
Mink Creek Bridge	Mackenzie Highway (#1)	64.7
Creek Bridge	Mackenzie Highway (#1)	106.6
McNally Creek Bridge	Mackenzie Highway (#1)	120.9
Kakisa River Bridge	Mackenzie Highway (#1)	169.8
Bridge	Mackenzie Highway (#1)	273.8
Wallace Creek Bridge	Mackenzie Highway (#1)	289.4
Portable Bridge (18 m) stored in quarry	Mackenzie Highway (#1)	322
Trout River Bridge	Mackenzie Highway (#1)	324.8
Jean Marie River Bridge	Mackenzie Highway (#1)	411.2
Martin River Bridge	Mackenzie Highway (#1)	488.7
Shale Creek Bridge	Mackenzie Highway (#1)	527.6
Bridge	Mackenzie Highway (#1)	602.8
Willowlake River Bridge	Mackenzie Highway (#1)	625
RBTM River Bridge	Mackenzie Highway (#1)	652.1
Smith Creek Bridge	Mackenzie Highway (#1)	687.2
Portable Bridge (18 m)	Trout Lake Winter Road	
Portable Bridge (18 m)	Trout Lake Winter Road	
Ek' Alia Creek Bridge	Jean Marie Access Road	0.8
Jackfish Creek Bridge	Jean Marie Access Road	21.7
4 Mile Access Bridge	Off of Fort Simpson Access Road	0.8
Hodgson Creek Bridge	Mackenzie Valley Winter Road	691.4
Ochre River Bridge	Mackenzie Valley Winter Road	722.4
Whitesand Creek Bridge	Mackenzie Valley Winter Road	731
Strawberry Creek (new 2 GRS Arch-culverts)	Mackenzie Valley Winter Road	746.5
Vermillion Creek South Bridge	Mackenzie Valley Winter Road	750.1
Bob's Canyon Creek (new GRS Arch-culvert)	Mackenzie Valley Winter Road	753.5
Dam Creek Bridge	Mackenzie Valley Winter Road	764.4
Blackwater River Bridge	Mackenzie Valley Winter Road	784.1
Steep Creek Bridge	Mackenzie Valley Winter Road	815.8
Devils Canyon Bridge	Mackenzie Valley Winter Road	828.4
Saline River Bridge	Mackenzie Valley Winter Road	832.4
Seagrams Creek Bridge	Mackenzie Valley Winter Road	844.9
Little Smith Creek Bridge	Mackenzie Valley Winter Road	853.8
Big Smith Creek Bridge	Mackenzie Valley Winter Road	871.1
Gotcha Creek Bridge	Mackenzie Valley Winter Road	913.7
Four Mile Creek (GRS Arch-culvert)	Mackenzie Valley Winter Road	932.2
Portable Bridge (18 m)	Mackenzie Valley Winter Road	932.2
No Name Creek Bridge	Mackenzie Valley Winter Road	944
Jungle Ridge Creek Bridge	Mackenzie Valley Winter Road	978.5
Notta Creek Bridge	Mackenzie Valley Winter Road	982.3
Vermillion Creek North Bridge	Mackenzie Valley Winter Road	984.4

Prohibition Creek Bridge (bridge replace 2014)	Mackenzie Valley Winter Road	995.3
Christina Creek Bridge	Mackenzie Valley Winter Road	1001.7
Hellava Creek Bridge	Mackenzie Valley Winter Road	1002.7
Francis Creek Bridge	Mackenzie Valley Winter Road	1005
Canyon Creek Bridge	Mackenzie Valley Winter Road	1009.3
Portable Bridge (24 m)	Mackenzie Valley Winter Road	1029
Billy Creek Bridge	Mackenzie Valley Winter Road	1033.4
Oscar Creek Bridge (not in service)	Mackenzie Valley Winter Road	1054.4
Elliott Creek Bridge	Mackenzie Valley Winter Road	1072.4
Hanna Creek Bridge	Mackenzie Valley Winter Road	1084.4
Gibsons Creek South Bridge	Mackenzie Valley Winter Road	1088.1
Gibsons Creek North Bridge	Mackenzie Valley Winter Road	1088.5
Overflow Creek Bridge	Mackenzie Valley Winter Road	1108.4
Donnelly River Bridge	Mackenzie Valley Winter Road	1118.4
Denise Creek Bridge	Mackenzie Valley Winter Road	1124
Rachelle Creek Bridge	Mackenzie Valley Winter Road	1135.4
Tsintu Creek Bridge	Mackenzie Valley Winter Road	1154.4
Lynn Creek Bridge	Mackenzie Valley Winter Road	1158.2
Gotcha Creek Bridge	Deline Access Road	1.5
Rosalie Creek Bridge	Deline Access Road	65
Jackfish Creek Bridge	Fort Good Hope Airport Access Road	1.9
Portable Bridge (18 m)	Colville Lake Winter Road	
Portable Bridge (18 m)	Colville Lake Winter Road	
Belot Creek Bridge	Colville Lake Winter Road	152
West Channel Bridge	Hay River Highway (#2)	39.7
Deh Cho Bridge	Yellowknife Highway (#3)	24.4
Bluefish Creek Bridge	Yellowknife Highway (#3)	44
Mosquito Creek Bridge	Yellowknife Highway (#3)	227.2
West Frank Channel Bridge	Yellowknife Highway (#3)	240
Frank Channel Bridge	Yellowknife Highway (#3)	243.8
Stagg River Bridge	Yellowknife Highway (#3)	255.1
Boundary Creek Bridge	Yellowknife Highway (#3)	303.3
Bay Island Bridge (MACA)	Behchoko	10.6
Snare Narrows Bridge (MACA)	Wekweeti	
Baker Creek Bridge	Ingraham Trail (Highway #4)	5.1
Yellowknife River Bridge	Ingraham Trail (Highway #4)	7.5
Portable Bridge (18 m) stored in quarry	Ingraham Trail (Highway #4)	11.3
Cameron River Bridge	Ingraham Trail (Highway #4)	54.5
Hay River Pine Point Bridge	Fort Smith Highway (#5)	2.2
Sandy Creek Bridge	Fort Smith Highway (#5)	8.5
Bridge	Fort Smith Highway (#5)	10
Bridge	Fort Smith Highway (#5)	25.6
Birch Creek Bridge	Fort Smith Highway (#5)	27.7
Bridge	Fort Smith Highway (#5)	31
Twin Creek Bridge	Fort Smith Highway (#5)	38.7
Bridge	Fort Smith Highway (#5)	52.7
Buffalo River Bridge	Fort Smith Highway (#5)	55.7
Sass River Bridge	Fort Smith Highway (#5)	178.4
Preble Creek Bridge	Fort Smith Highway (#5)	186.9

Little Buffalo River Bridge	Fort Smith Highway (#5)	212.6
Bridge	Fort Smith Highway (#5)	219.9
Salt River Bridge No. 3	Fort Smith Highway (#5)	237.7
Salt River Bridge No. 2 (Parks Canada)	South of Fort Smith (Alberta)	26
Little Buffalo River Bridge	Fort Resolution Highway (#6)	68.2
Sewage Lagoon Road Bridge (MACA)	Lutsel K'e	10.3
Muskeg River Bridge	Liard Highway (#7)	46.1
Big Island Creek Bridge	Liard Highway (#7)	65.3
Netla River Bridge	Liard Highway (#7)	116
Bridge	Liard Highway (#7)	130.9
Upper Blackstone River Bridge	Liard Highway (#7)	145.7
Blackstone River Bridge	Liard Highway (#7)	146.6
Bridge	Liard Highway (#7)	180.1
Birch River Bridge	Liard Highway (#7)	201.8
Bridge	Liard Highway (#7)	211.7
Poplar River Bridge	Liard Highway (#7)	219.7
Bridge	Liard Highway (#7)	227
Portable Bridge (18 m) stored at Rengleng River Quarry	Dempster Highway (#8)	178
Caribou Creek Bridge	Dempster Highway (#8)	220.5
Campbell Creek Bridge	Dempster Highway (#8)	247
Bridge No. 3	Inuvik to Tukuyoyaktuk Highway	2.5
Bridge No. 8	Inuvik to Tukuyoyaktuk Highway	8.4
Bridge No. 35a	Inuvik to Tukuyoyaktuk Highway	92.6
Bridge No. A3	Inuvik to Tukuyoyaktuk Highway	104.1
Airport Road Bridge	Ulukhaktok	2.5

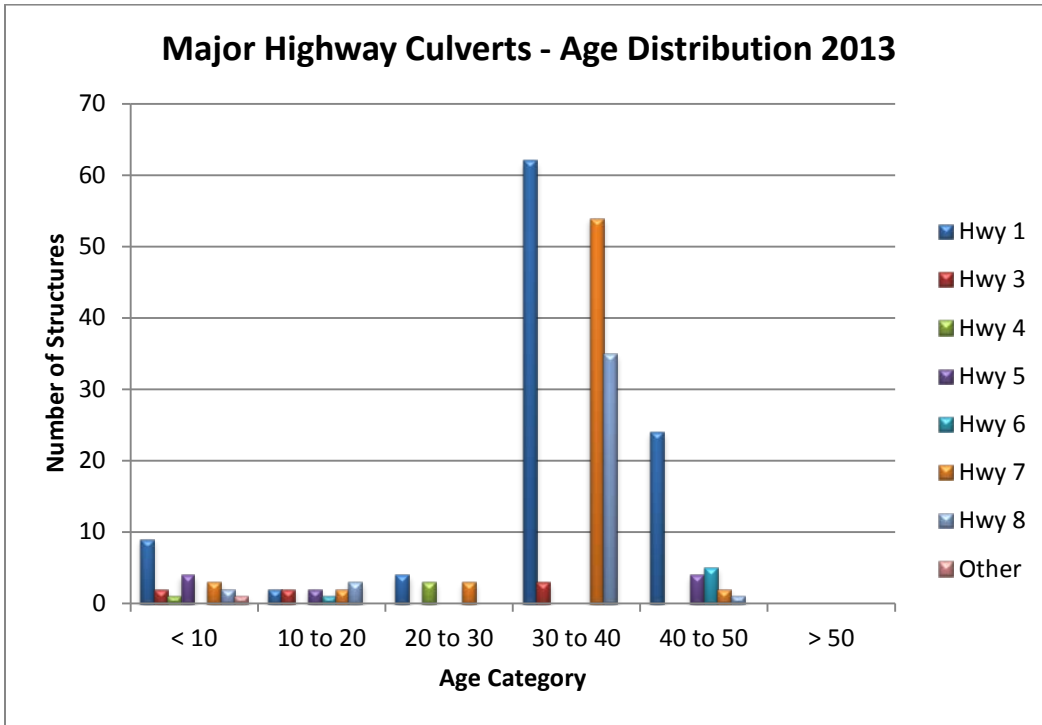
***122 Bridges Total**

3.6 Highway Bridge Age Distribution



	< 10 Years	10 to 20 Years	20 to 30 Years	30 to 40 Years	40 to 50 Years	> 50 Years	Total
Highway 1	8	1	5	0	3	0	17
Mackenzie Valley Winter Road	19	13	3	0	0	0	35
Highway 2	0	1	0	0	0	0	1
Highway 3	2	1	3	0	0	1	7
Highway 4	0	1	1	0	0	0	2
Highway 5	5	4	1	0	5	0	15
Highway 6	0	0	1	0	0	0	1
Highway 7	2	1	4	3	0	0	10
Highway 8	1	1	0	0	0	0	2
Other	0	5	3	0	2	0	10
	37	28	21	3	10	1	100

3.7 Major Culverts Age Distribution



	< 10 Years	10 to 20 Years	20 to 30 Years	30 to 40 Years	40 to 50 Years	> 50 Years	Total
Highway 1	9	2	4	62	24	0	101
Highway 3	2	2	0	3	0	0	7
Highway 4	1	0	3	0	0	0	4
Highway 5	4	2	0	0	4	0	10
Highway 6	0	1	0	0	5	0	6
Highway 7	3	2	3	54	2	0	64
Highway 8	2	3	0	35	1	0	41
Other	1	0	0	0	0	0	1
	22	12	10	154	36	0	234

3.8 Length of Winter Roads

Winter Road	Length (km)
Highway 1 (Mackenzie Highway, Wrigley to Fort Good Hope)	486.4
Colville Lake Access	165.0
Trout Lake Access	126.0
Déline Access	105.3
Wha'ti Winter Road	103.0
Gamèti Winter Road	128.0
Wekweèti Winter Road	225.0
Tuktoyaktuk Access	190.0
Aklavik Access	85.0
Dettah Access	6.3

3.9 Opening/Closing Dates All Winter Roads

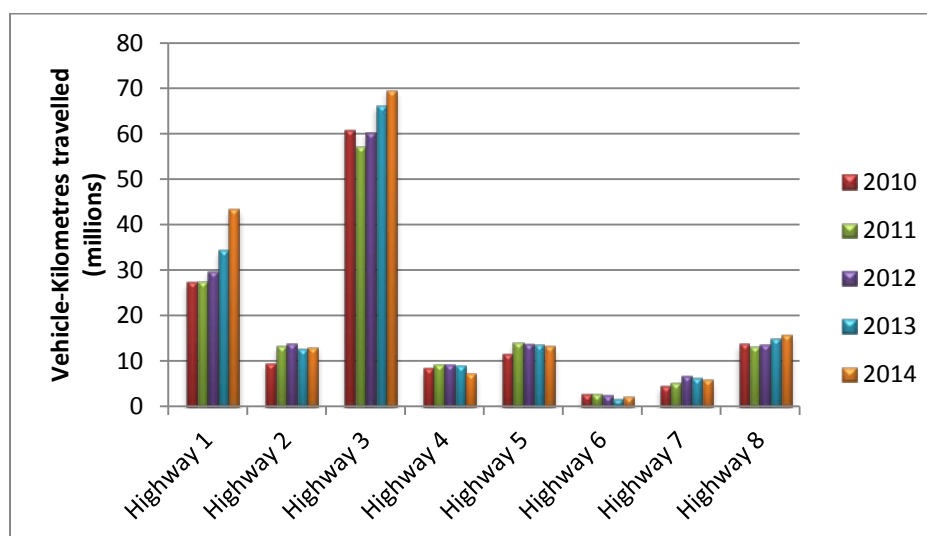
	Status	2010/11	2011/12	2012/13	2013/14	2014/15	20 Year Avg.	5 Year Avg.
Wrigley – Tulita (Highway #1)	Open	23-Dec	20-Dec	20-Dec	19-Dec	12-Dec	4-Jan	18-Dec
	Close	29-Mar	6-Apr	29-Mar	7-Apr	31-Mar	26-Mar	2-Apr
Tulita-Norman Wells (Highway #1)	Open	23-Dec	20-Dec	16-Dec	27-Dec	20-Dec	31-Dec	21-Dec
	Close	29-Mar	2-Apr	2-Apr	14-Apr	31-Mar	29-Mar	3-Apr
Norman Wells – Ft. Good Hope (Highway #1)	Open	14-Dec	20-Dec	19-Dec	28-Dec	17-Dec	27-Dec	19-Dec
	Close	29-Mar	2-Apr	2-Apr	14-Apr	31-Mar	29-Mar	3-Apr
Colville Lake Access	Open	14-Dec	20-Dec	3-Jan	28-Dec	17-Dec	N/A	22-Dec
	Close	29-Mar	2-Apr	2-Apr	16-Apr	31-Mar	N/A	3-Apr
Deline Access	Open	10-Jan	30-Dec	22-Jan	19-Dec	9-Jan	19-Jan	5-Jan
	Close	29-Mar	2-Apr	2-Apr	14-Apr	31-Mar	28-Mar	3-Apr
Trout Lake Access	Open	17-Dec	16-Dec	20-Dec	23-Dec	17-Dec	27-Dec	18-Dec
	Close	1-Apr	2-Apr	2-Apr	9-Apr	31-Mar	24-Mar	3-Apr
Nahanni Butte Access	Open	10-Dec	2-Dec	22-Nov	12-Dec	10-Dec	10-Dec	5-Dec
	Close	15-Apr	2-Apr	19-Apr	16-Apr	31-Mar	28-Mar	10-Apr
Wekweeti Access	Open	14-Feb	6-Mar	7-Mar	7-Mar	7-Mar	N/A	2-Mar
	Close	7-Apr	10-Apr	9-Apr	22-Apr	15-Apr	N/A	12-Apr
What Ti Access	Open	14-Jan	25-Jan	22-Jan	24-Jan	19-Jan	26-Jan	20-Jan
	Close	8-Apr	19-Apr	21-Apr	22-Apr	15-Apr	13-Apr	17-Apr
Gameti Access	Open	5-Feb	17-Feb	13-Feb	18-Feb	16-Feb	17-Feb	13-Feb
	Close	8-Apr	19-Apr	21-Apr	22-Apr	15-Apr	12-Apr	17-Apr
Dettah Access	Open	16-Dec	31-Dec	20-Dec	13-Dec	19-Dec	20-Dec	19-Dec
	Close	27-Apr	20-Apr	17-Apr	21-Apr	12-Apr	16-Apr	19-Apr
Tuktoyaktuk Access	Open	22-Dec	10-Dec	13-Dec	23-Dec	3-Dec	16-Dec	14-Dec
	Close	3-May	25-Apr	7-May	29-Apr	23-Apr	27-Apr	29-Apr
Aklavik Access	Open	22-Dec	7-Dec	11-Dec	11-Dec	3-Dec	25-Dec	10-Dec
	Close	11-May	25-Apr	7-May	29-Apr	23-Apr	28-Apr	1-May

3.10 Opening/Closing Dates All Ice Bridges

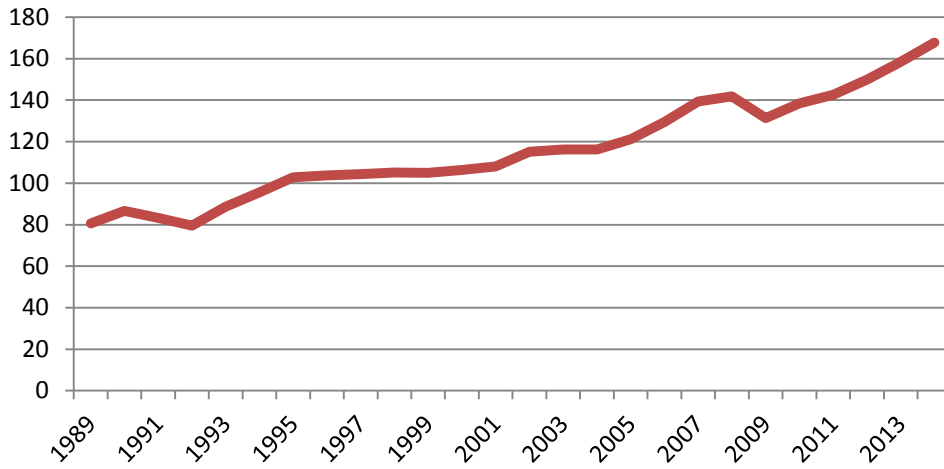
	Status	2010/11	2011/12	2012/13	2013/14	2014/15	20 Year Avg.	5 Year Avg.
Liard River Crossing at Fort Simpson	Open	3-Dec	28-Nov	15-Nov	3-Dec	26-Nov	26-Nov	27-Nov
	Close	29-Apr	25-Apr	26-Apr	23-Apr	17-Apr	22-Apr	24-Apr
Mackenzie River Crossing at Tsiigehtchic	Open	22-Nov	24-Nov	28-Nov	27-Nov	2-Dec	22-Nov	26-Nov
	Close	14-May	11-May	12-May	12-May	3-May	5-May	10-May
Peel River Crossing	Open	8-Nov	8-Nov	8-Nov	11-Dec	1-Dec	2-Dec	19-Nov
	Close	15-May	11-May	16-May	6-May	7-May	5-May	11-May
Mackenzie River Crossing at Camsell Bend	Open	22-Dec	6-Dec	8-Dec	12-Dec	12-Dec	16-Dec	12-Dec
	Close	29-Apr	18-Apr	25-Apr	23-Apr	17-Apr	22-Apr	22-Apr

3.11 Vehicle-Kilometres Travelled (millions) – Public Highways

	2010	2011	2012	2013	2014
Highway 1	27.3	27.6	29.9	34.3	43.3
Highway 2	9.6	13.2	13.8	12.6	13.1
Highway 3	60.8	57.2	60.4	66.3	69.7
Highway 4	8.3	9.3	9.3	9.0	7.4
Highway 5	11.5	14.1	13.7	13.6	13.2
Highway 6	2.7	2.7	2.4	1.6	2.3
Highway 7	4.4	5.2	6.7	6.1	5.9
Highway 8	13.9	13.3	13.6	14.9	15.7
All Highways	138.5	142.6	149.8	158.5	167.7



Vehicle-Kilometres Travelled on NWT Highways (millions)



3.12 Annual Average Daily Traffic on NWT Highways

Access Road	2010	2011	2012	2013	2014
Alberta Border to Enterprise	250	250	260	350	430
Enterprise to Junction with Hwy #3	290	290	300	400	500
Junction with Hwy #3 to Junction with Hwy #7	70	60	80	60	60
Junction with Hwy #7 to Fort Simpson Access	270	260	180	130	130
Fort Simpson Access to Wrigley	20	120	70	80	80
Enterprise to Junction with Hwy #5	430	660	700	640	670
Junction with Hwy #5 to Hay River (West Channel Bridge)	1630	1830	1840	1690	1750
Junction with Hwy #1 to Fort Providence Access	270	270	300	300	370
Fort Providence Access to Edzo Access	240	250	280	280	350
Edzo Access to Rae Access	840	760	820	950	890
Rae Access to Yellowknife Access (Old Airport Road)	750	670	680	790	740
Old Airport Road Junction to Junction with Hwy #4	6730	5980	6050	6990	6600
Junction with Hwy #3 to Vee Lake Access	1270	1200	1390	1360	700
Vee Lake Access to Prelude Lake East Access	820	1000	960	940	670
Prelude Lake East Access to Tibbitt Lake	130	150	130	130	170
Junction with Hwy #2 to Hay River Indian Village Access	620	620	630	640	660
Hay River Reserve Access to Junction with Hwy #6	160	230	230	230	240
Junction with Hwy #6 to Salt River Village Access Road	90	110	100	100	90
Salt River Village Access Road to Trout Street	150	150	160	160	170
Fort Smith Access (Trout St.) to King St. Intersection	500	490	500	500	520
Junction with Hwy #5 to Little Buffalo Village Road	80	80	70	30	60
Little Buffalo Village Road to Fort Resolution	100	100	100	100	100
BC Border to Fort Liard	80	110	110	100	100
Fort Liard to Junction with Hwy #1	40	50	70	60	60
Yukon Border to Fort McPherson Access	70	70	60	70	60
Fort McPherson Access to Mackenzie River Ferry	130	110	120	90	80
Mackenzie River Ferry to Airport Access Road	110	110	110	130	150
Airport Access Road to Tuk Park Access Road	970	960	960	1120	1250
Tuk Park Access Road to Inuvik	1700	1680	1660	1940	2180

3.13 Annual Average Daily Traffic – Winter Roads

Winter Road	2010	2011	2012	2013	2014
Aklavik Access	44	71	97	86	54
Colville Lake Access	N/A	20	24	N/A	14
Deline Access	25	30	25	71	25
Dettah Access (Yellowknife Side)	1134	1080	1539	1232	1315
Dettah Access (Dettah Side)	494	313	438	299	278
Gameti Winter Road	N/A	30	44	53	31
Mackenzie Valley Winter Road (Deline Junction)	20	42	68	137	86
Mackenzie Valley Winter Road (Norman Wells South)	79	N/A	93	164	118
Mackenzie Valley Winter Road (Norman Wells North)	38	43	31	28	33
Trout Lake Access	N/A	N/A	N/A	N/A	6
Tuktoyaktuk Access	182	143	182	168	121
Wekweeti Winter Road	N/A	38	63	82	14
Tlicho Winter Road	106	87	42	182	259

4.0 Ferries

4.1 Carrying Capacity All Ferries

Ferry Name	Location	Km	Service Starts	Service Ends	Crew	Crossing Length	Average Crossing Time	Average Crossings Per Day	Ramp Clearance	Overhead Clearance	Max. Draft	Deck Length	Pax	Max. Vehicle Carried	Gross Tonnage Capacity
MV Lafferty-Liard River Crossing	Highway 1	Km 457	Early to mid May	Late October to Early November	4	0.74 km	10 min.	40	22.10 ft / 6.54 m	N/A	3.12 ft / 0.95 m	127.6 ft / 38.8 m	80	14	79,251 Kg
MV Johnny Berens - Mackenzie River Crossing	Highway 1	Km 548	Mid to late May	Mid to late October	3	1.15 km	12 min.	22	19.4 ft / 5.9 m	N/A	3.76 ft / 1.15 m	78 ft / 23.7 m	40	8	49,278 Kg
MV Louis Cardinal - Mackenzie River Crossing	Highway 8	Km 143	May to early June	Late October to Early November	4	2.17 km	23 min.	74	18.6 ft / 5.67 m	19.35 ft / 5.9 m	4.5 ft / 1.37 m	125 ft / 38.7 m	100	21	116,845 Kg
CF Abraham Francis	Highway 8	Km 74	May to early June	Late October to Early November	2	0.22 km	6 min.	74	19.4 ft / 5.9 m	N/A	5.23 ft / 1.6 m	78 ft / 23.7 m	40	8	49,278 Kg
MV Merv Hardy	Standby near Fort Providence	N/A	Standby	Standby	4	N/A	N/A	N/A	19.7 ft / 6 m	19 ft / 5.8 m	4.46 ft / 1.35 m	140 ft / 42.67 m	80	24	190,000 Kg

4.2 Opening/Closing Dates All Ferries

	Status	2012/13	2013/14	2014/15	10 Year Average	5 Year Average
MV Lafferty	Open	14-May-12	19-May-13	12-May-14	13-May	13-May
	Close	26-Oct-12	8-Nov-13	4-Nov-14	3-Nov	3-Nov
MV Johnny Berens	Open	24-May-12	24-May-13	22-May-14	20-May	25-May
	Close	28-Oct-12	8-Nov-13	5-Nov-14	2-Nov	30-Oct
MV Abraham Francis	Open	3-Jun-12	8-Jun-13	30-May-14	2-Jun	31-May
	Close	31-Oct-12	13-Dec-13	1-Dec-14	16-Nov	5-Nov
MV Louis Cardinal	Open	3-Jun-12	5-Jun-13	1-Jun-14	1-Jun	31-May
	Close	29-Oct-12	7-Dec-13	5-Dec-14	13-Nov	3-Nov
MV Merv Hardy	Open	14-May-12	N/A	N/A	N/A	N/A
	Close	15-Nov-12	N/A	N/A	N/A	N/A

4.3 Vehicles Moved All Ferries

MV Lafferty

	2010/11	2011/12	2012/13	2013/14	2014/15
May	2,231	1,753	4,867	1,452	1,979
June	3,492	3,177	10,983	3,896	4,670
July	4,172	3,638	3,554	4,226	3,543
August	3,945	3,963	4,087	3,881	3,621
September	3,687	5,653	3,640	3,598	3,800
October	3,080	5,319	2,828	3,371	3,055
November	795	435	N/A	592	344
Total	21,402	23,938	29,959	21,016	21,012

MV Johnny Berens

	2010/11	2011/12	2012/13	2013/14	2014/15
May	262	252	127	160	176
June	473	1,255	477	675	711
July	654	1,125	751	715	676
August	750	1,601	641	687	693
September	726	1,999	360	756	753
October	532	2,694	896	662	620
November	N/A	174	N/A	182	75
Total	3,397	9,100	3,252	3,837	3,704

MV Louis Cardinal

	2010/11	2011/12	2012/13	2013/14	2014/15
May	502	N/A	N/A	N/A	N/A
June	4,776	3,790	3,524	4805	3932
July	5,116	4,986	4,599	4336	6645
August	5,342	5,177	6,164	3379	4241
September	5,318	4,033	3,374	4380	3500
October	3,212	3,318	2,999	1373	2548
November	N/A	N/A	N/A	1215	1872
December	N/A	N/A	N/A	710	120
Total	24,266	21,304	20,660	20,198	22,858

MV Abraham Francis

	2010/11	2011/12	2012/13	2013/14	2014/15
May	N/A	N/A	N/A	0	70
June	2,928	5,052	2,633	3893	2740
July	5,219	6,614	4,362	4755	3811
August	6,433	6,433	6,671	7150	4981
September	6,555	5,066	3,197	2847	3737
October	1,777	1,628	1,750	2525	3241
November	N/A	181	N/A	519	927
December	N/A	N/A	N/A	49	N/A
Total	22,912	24,974	18,613	21738	19507

MV Merv Hardy

	2008/09	2009/10	2010/11	2011/12	2012/13
May	5,000	4,186	5,372	3,910	4,867
June	11,332	9,608	9,927	10,063	10,983
July	11,966	12,155	12,775	13,439	12,741
August	12,169	11,607	12,774	12,052	14,141
September	9,606	8,885	11,089	10,015	11,797
October	8,808	7,467	10,120	8,606	8,141
November	6,958	6,128	5,161	5,502	5,426
December	5,656	5,467	4,702	6,282	Out of Service
January	2,747	1,735	1,190	5,133	Out of Service
February				483	Out of Service
Total	74,242	67,238	73,110	75,485	68,096

5.0 Rail

5.1 CN Rail – Meander Subdivision Overview

Meander Subdivision	
Section	Location
Manning	Mile 0
High Level	Mile 182.9
Gateway	Mile 184.5
Hutch Lake	Mile 201.2
Meander River	Mile 223.0
Slavey Creek	Mile 240.8
Lutose	Mile 259.1
Steen River	Mile 271.8
Indian Cabins	Mile 291.3
Boundary	Mile 300.6
Grumbler	Mile 311.1
Alexandra Falls	Mile 331.0
Enterprise	Mile 349.8
Pine Junction	Mile 368.8
Great Slave	Mile 374.5
Hay River	Mile 376.2

5.2 Rail Shipment Volumes in the NWT

Inbound (Carloads)

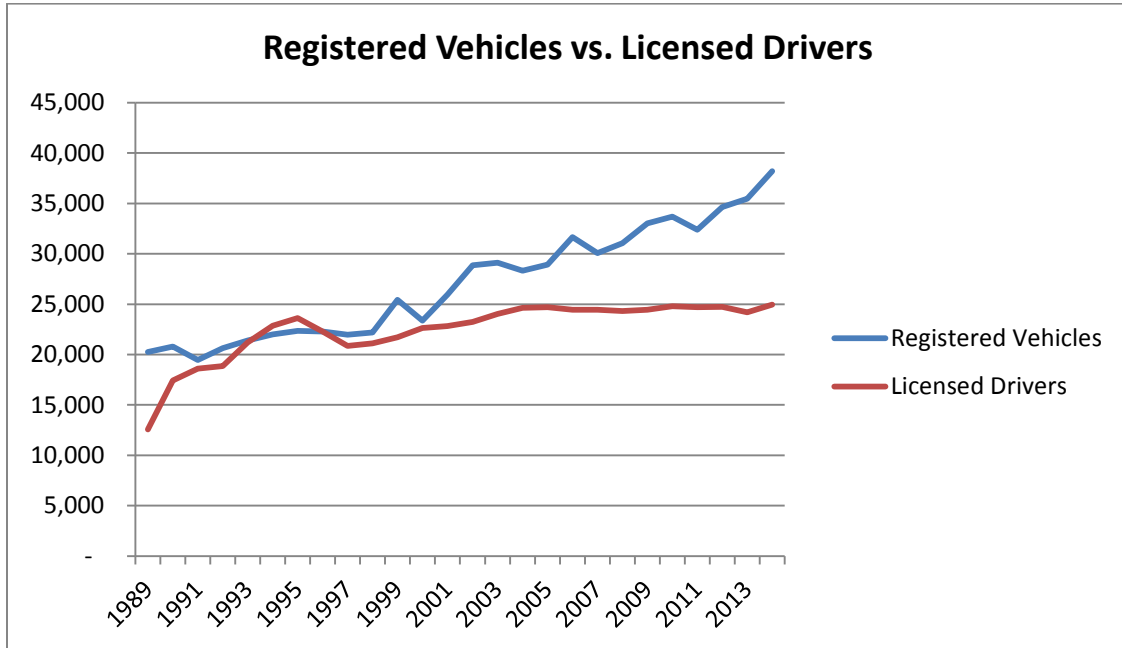
Business Unit Description	Commodity Description	2010	2011	2012	2013	2014
Forest Products	Wood Pellets	0	11	15	14	1
Metals & Minerals	Heavy Vehicles	0	0	0	0	1
Metals & Minerals	Machinery Equipment Parts	26	50	0	0	0
Petro & Chemicals	Calcium Chloride	2	2	2	2	0
Petro & Chemicals	Gas & Diesel	1,846	2,204	2,152	2,406	2,760
Petro & Chemicals	Heavy Fuel Oils	296	275	301	243	223
Petro & Chemicals	Jet Aviation Fuel	392	371	376	438	418
Petro & Chemicals	Pulp Mill Chemicals	0	2	0	0	0
Petro & Chemicals	Salt	54	58	62	13	0

Outbound (Carloads)

Business Unit Description	Commodity Description	2010	2011	2012	2013	2014
Metals & Minerals	Scrap Iron	0	9	0	0	0
Petro & Chemicals	Calcium Chloride	0	0	0	0	2
Petro & Chemicals	Gas & Diesel	0	38	54	5	9
Petro & Chemicals	Pulp Mill Chem	0	1	0	0	0

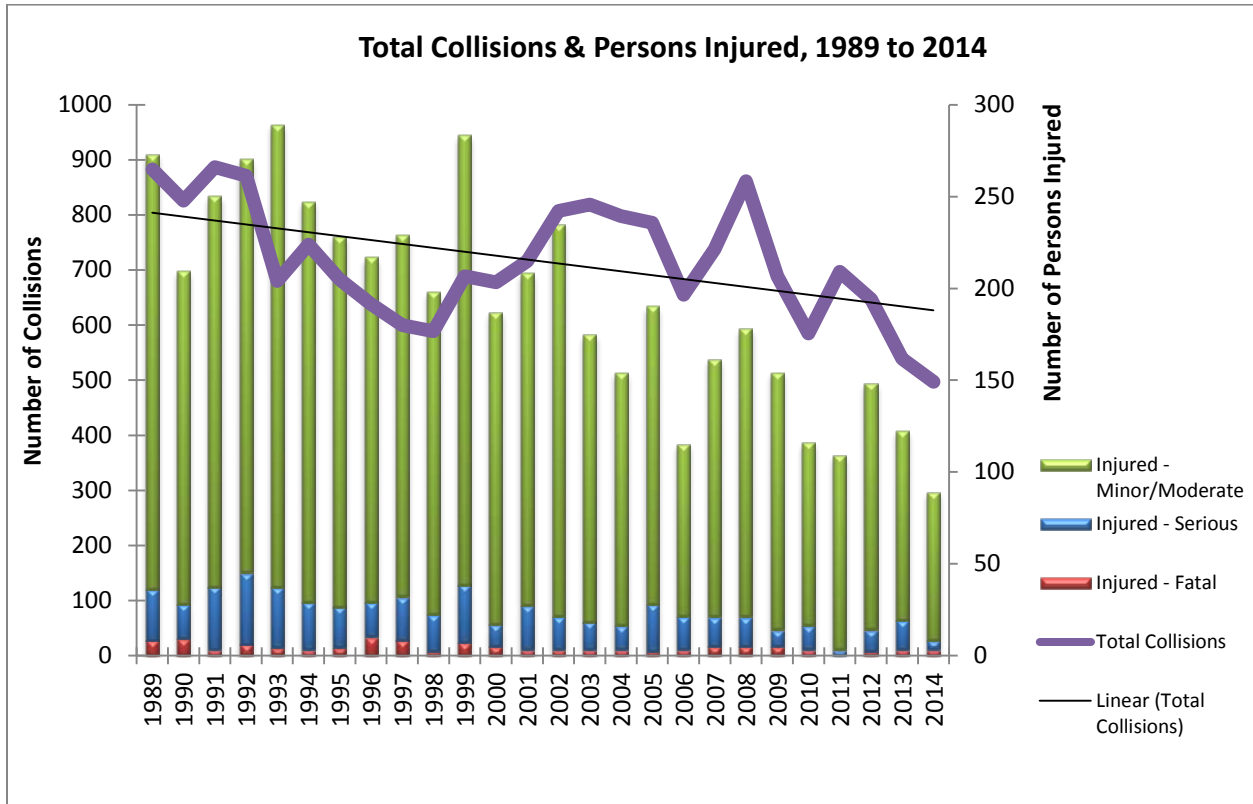
6.0 Road Licensing & Safety

6.1 Registered Vehicles & Licensed Drivers in the NWT



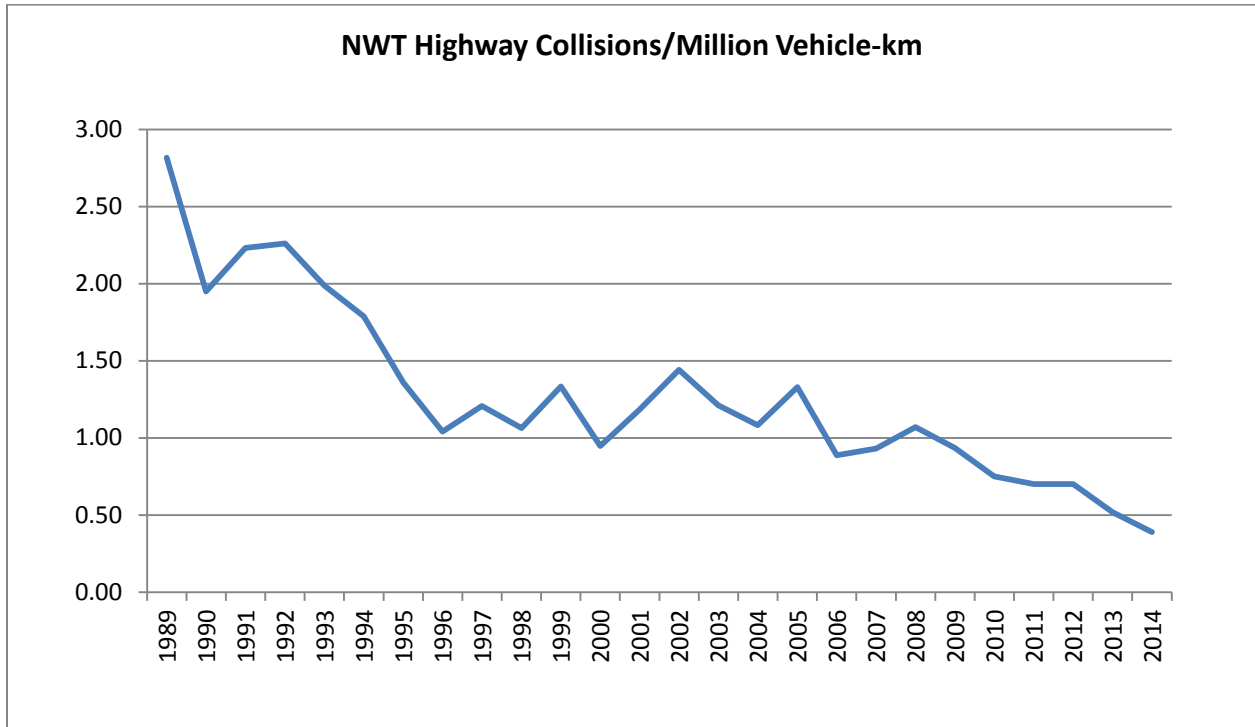
The number of licensed drivers and registered vehicle has both increased since 1989, though the number of licensed drivers has remained fairly static in recent years.

6.2 Traffic Collisions, Injuries & Fatalities

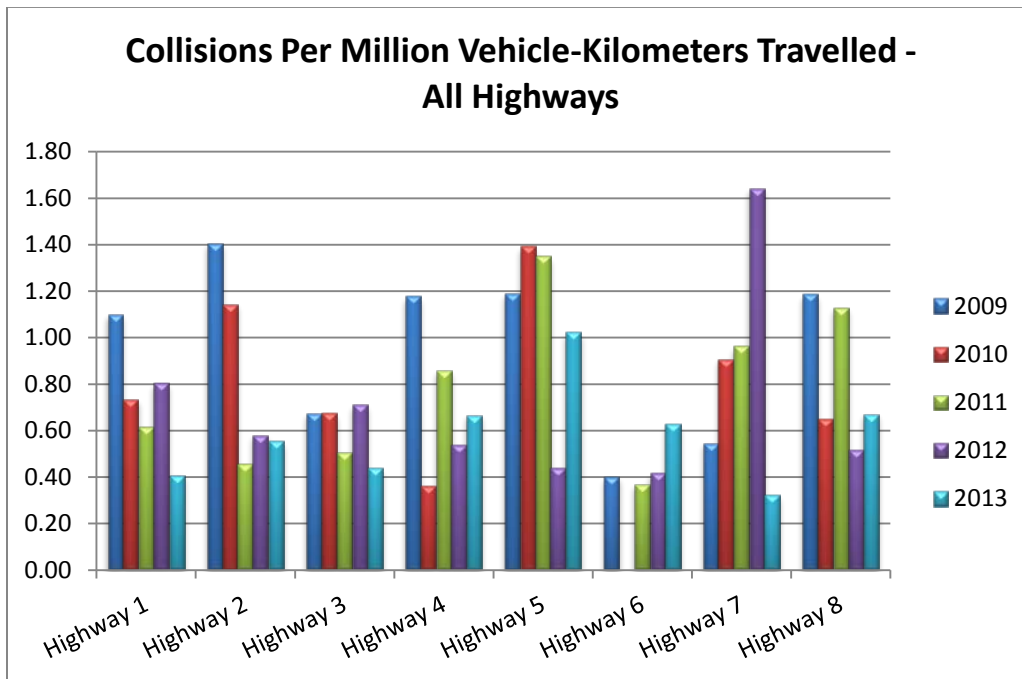


The NWT is experiencing a downward trend in vehicle collisions and injuries since 1989

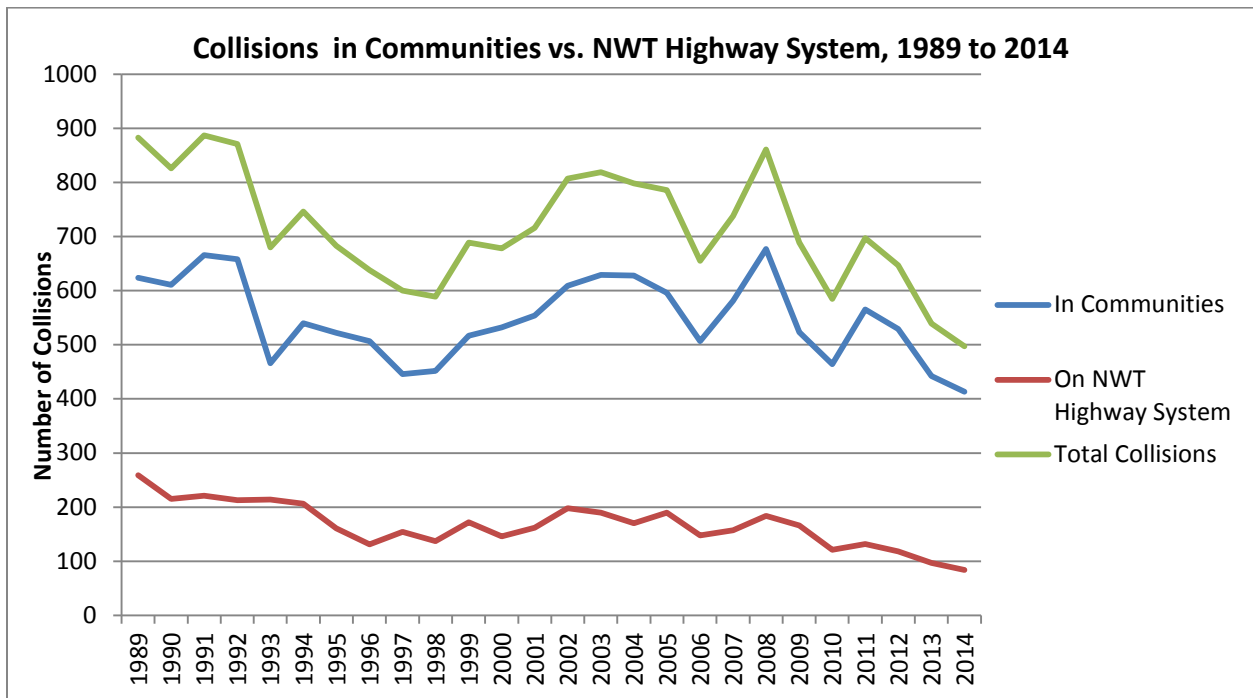
6.3 Collisions Per Million Vehicle-Kilometres Travelled



The NWT is experiencing a downward trend in the rate of collisions per million vehicle-kilometres travelled on NWT highways

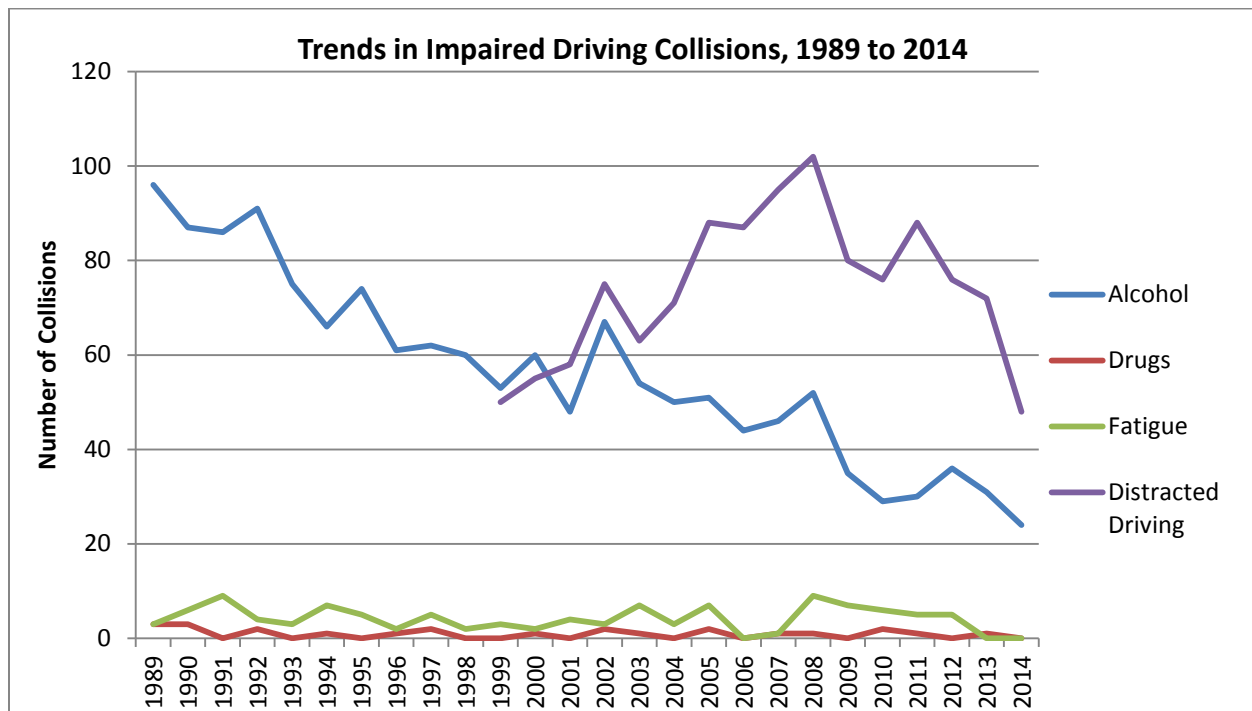


6.4 Highway and Community Collisions



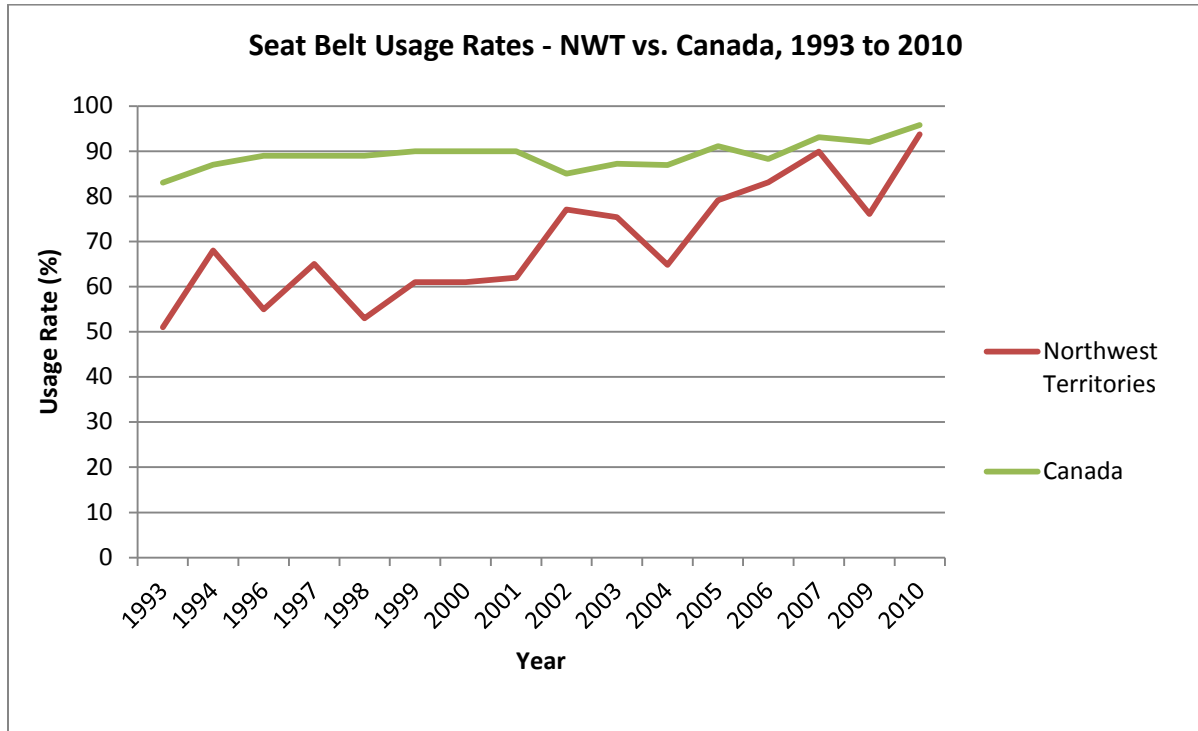
Vehicle collisions remain less common on the NWT highway system than in communities. There have generally been fewer instances of both kinds of collisions in recent years compared to 1989.

6.5 Alcohol, Drug, & Fatigue Impaired Collisions and Distracted Driving Collisions



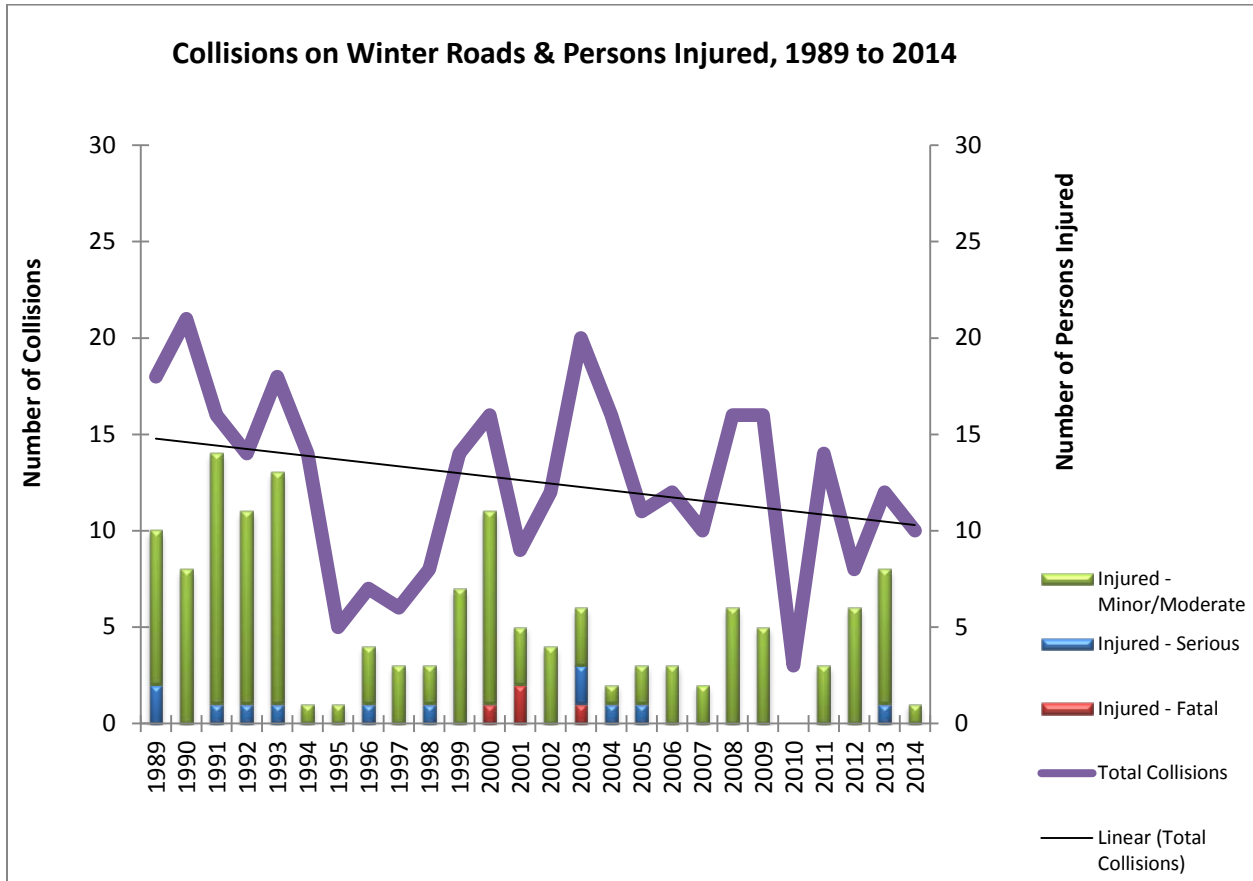
The NWT has experienced a downward trend in alcohol-impaired collisions since 1989. Drugs and fatigue-impaired collisions remain low. Distracted driving collisions were increasing until the introduction of legislation in 2012. Since then, instances of these collisions have been decreasing.

6.6 Seat Belt Usage Rates



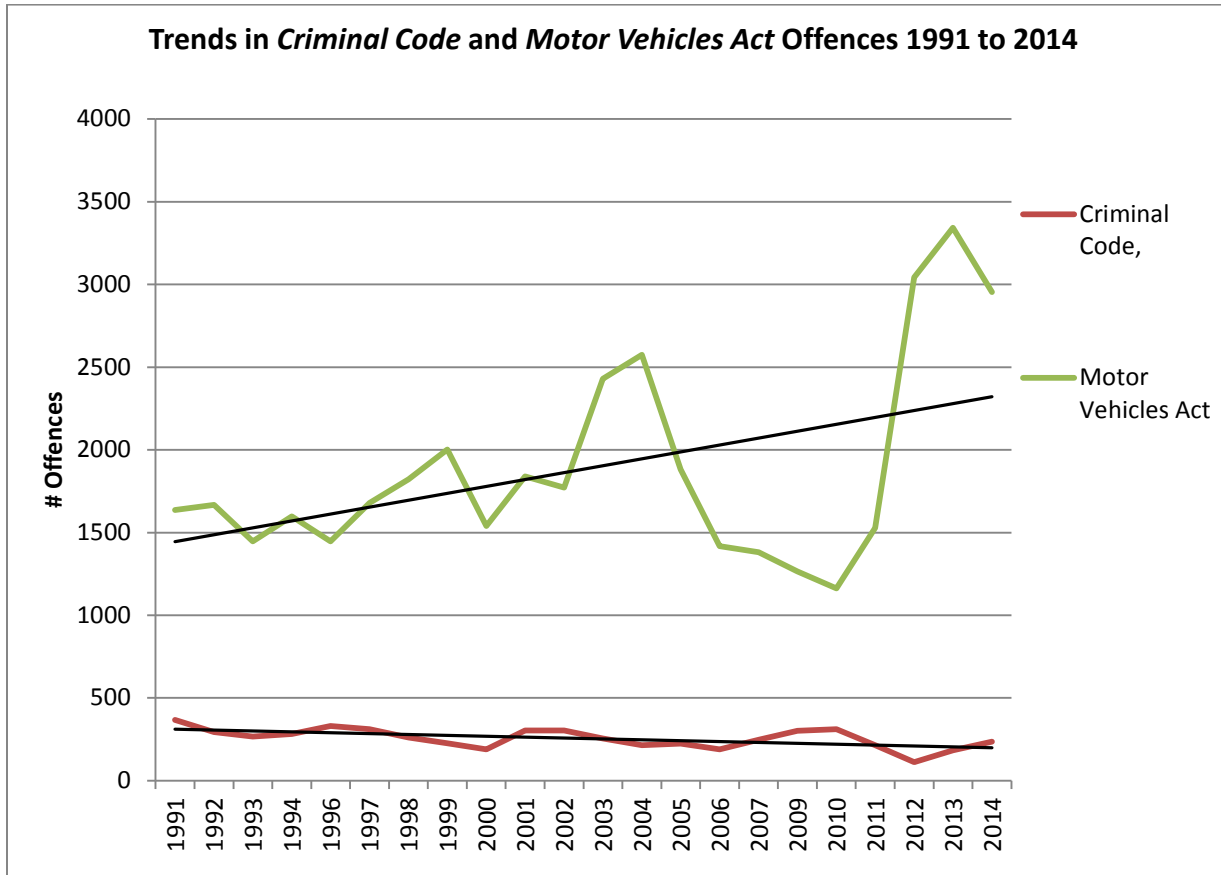
Seat belt usage rates have historically been lower in the NWT compared to the rest of Canada. However, usage has been increasing in the territory to the point where we are now nearly meeting the Canadian average.

6.7 Traffic Collisions, Injuries, & Fatalities on Winter Roads



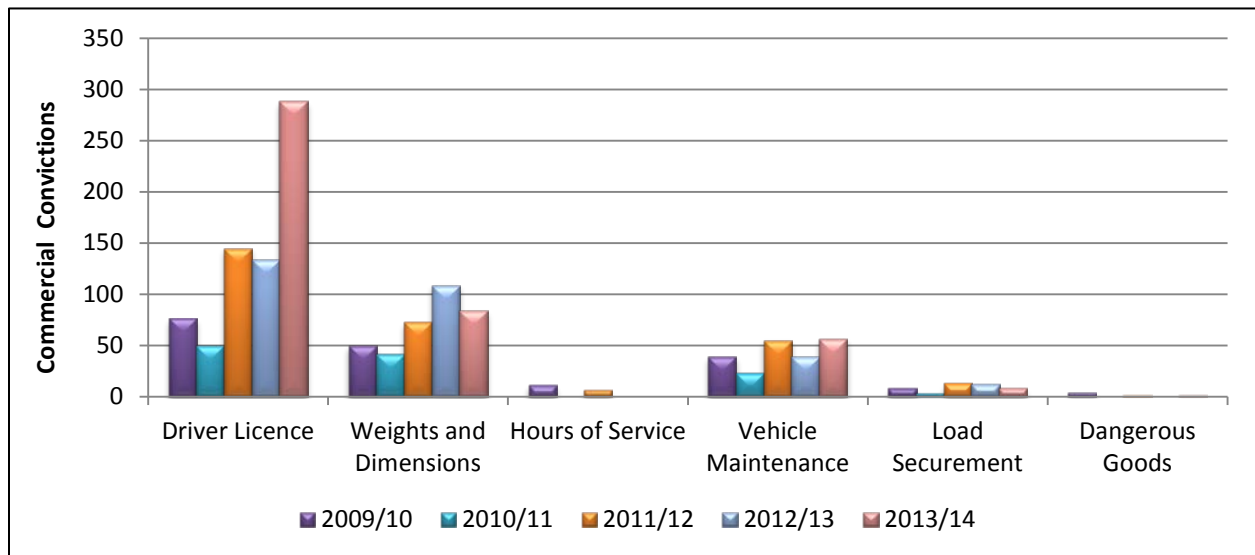
Vehicle collisions on NWT winter roads are declining and fatalities remain rare.

6.8 Traffic Offences



Traffic offences under the NWT Motor Vehicles Act have increased in recent years due to new trends in driver behaviour such as distracted driving. However, traffic offences under the Criminal Code of Canada have generally declined.

6.9 Commercial Transport Convictions



6.10 Driver and Vehicle Licensing Issuing Agents

North Slave Region			
Community	Location	Street Address	Contact
Yellowknife	Yellowknife Issuing Office Laing Building	5003 49 Street	PH: 867-873-7487
Behcho'ko	Nishkhon Centre – 2nd Floor		
South Slave Region			
Community	Location	Street Address	Contact
Hay River	Norland Agencies	105-62 Woodland Drive	PH: 867-874-2101
Fort Smith	Driver and Vehicle Licensing Office	199 McDougal Road	867-872-4132
Fort Providence	Fort Providence Highway Operations		PH: 867-699-3117
Fort Simpson Region			
Community	Location	Street Address	Contact
Fort Simpson	Fort Simpson Regional Office	2nd Floor Nahendeh Building	PH: 867-695-7652
Inuvik Region			
Community	Location	Street Address	Contact
Aklavik	Hamlet of Aklavik	Gardlund Road	PH: 867-978-2351 / 2361
Deline	Charter Community of Deline		PH: 867 589-4800
Ulukhaktok	Hamlet of Ulukhaktok		PH: 867-396-3511
Tulita	Tulita Dene Band		PH: 867-588-3341
Fort Good Hope	K'Ahsho Goeint Charter Community Council		PH: 867-598-2231
Norman Wells	Motor Vehicles	335 Canol Drive	PH. 867-587-2089
Inuvik	Inuvik Regional Office	2nd Floor Mack Travel Bldg 145 Mackenzie Road	PH: 867-777-7343

6.11 Online and In-Person Motor Vehicle Services Provided

From January 2014 to September 10, 2015

Online

Request	Total Services
Abstracts	420
OLS Document Reports	1,702
Tests/Exams	372
Vehicle Registration & License Plates	19,021
TOTAL	21,515

In-Person

Request	Total Services
Driver Licensing	21,913
Finance	690
General Identification Cards	2,414
Manuals/Abstracts/Accident Report	20,902
Misc.	27
Permit	49,629
Personalized Licence Plate	160
Tests/Exams	9,888
Tolling	1,246
Vehicle Registration and Licence Plates	95,433
TOTAL	202,302

6.12 Average Wait Times at Yellowknife Driver and Motor Vehicle Issuing Office

Year	Average Serve Time	Average Wait Time	Tickets Pulled
2010	7:58	19:23	32,248
2011	6:46	17:08	32,466
2012	6:47	18:59	33,421
2013	7:16	20:54	31,529
2014	6:42	11:52	28,421

7.0 Communications

7.1 Social Media and Home Website Usage

Home Website (www.dot.gov.nt.ca)

	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	Total
Sessions	292,441	339,264	363,341	519,460	291,890	1,803,619
Users	140,647	172,708	209,860	252,982	144,839	889,551
Pageviews	635,300	736,706	700,702	929,891	559,207	3,566,155
Pages/Session	2.17	2.17	1.96	1.79	1.92	1.98
Avg. Session Duration	1:57	1:51	1:44	2:01	1:58	1:54

Twitter (https://twitter.com/GNWT_DOT)

Followers	Tweets
3,326	1,741

(as of September 25, 2015)

8.0 Environment

8.1 Environmental Liabilities

Location	Type of Site	Priority	Type of Contamination	Site Stage	Owner/Responsibility	Status/Next Steps	Total Liability at March 31, 2014
Fort Providence	Airport	Low	hydrocarbon - petroleum	Monitor Only	GNWT	Observed conditions will continue to be monitored internally for changes.	150,000
Fort Resolution	Airport	Low	hydrocarbon - petroleum	Monitor Only	GNWT	Condition identified in ESA III has been addressed.	-
Wrigley	Airport	Low	hydrocarbon - petroleum	Monitor Only	GNWT	Communication tower removed for disposal early in FY 08/09. Abandoned above ground fuel tanks dismantled & disposed of at a hazardous materials location out of territory. Contaminants identified in ESA III on the airport proper have been removed. Soil beneath snow blower shed determined to be contaminated, but low risk of mobility. Former landfill site identified but not excavated. Monitoring to be undertaken by way of ground water interceptor wells. Estimate reflects cost of installations.	146,000
Yellowknife	Airport	Low	glycol	Monitor Only	GNWT	There are currently two glycol holding ponds at the airport for the deposition and treatment of glycol-laden snow. Monitoring of the soils and groundwater of the infield indicates that the glycol is no longer being released into this area. Monitoring to continue to ensure no imminent threat exists.	390,000

Ulukhaktok	Airport	Low	hydrocarbon - petroleum	Monitor Only	GNWT	Identification of some contaminated soil near the Fueling Shed area. No action is required at this time as the site is still operating and there is no imminent threat.	60,000
Inuvik	Airport	Low	hydrocarbon - petroleum	Monitor Only	GNWT / Tenants	Observed conditions will continue to be monitored internally for changes. Although areas of contamination exist, the sites are all operating and represent no imminent threat at this time.	340,000
Enterprise	Highway Maintenance Facility	High	Hydrocarbons, vehicle lubricants,	Remediation Planning	GNWT	Efforts are being made to transfer operations at Enterprise HMC to another facility in order that remediation can take place. Onsite contaminants have been identified outside the site's boundaries. The site is close to the Hay River and Great Slave Lake/Mackenzie River. Remediation will be undertaken when site operations have been moved.	144,000
Norman Wells	Airport	Low	Hydrocarbons, vehicle lubricants,	ESA III	GNWT/Transport Canada/Tenants	Phase III ESA confirmed locations of spot contamination, but also indicated that no imminent threat now exists at the site. One site on GNWT occupied portion of the airport was identified with elevated hydrocarbon presence. Further investigation revealed old underground fuel tank, which was removed immediately by ESA consultant's direction of contractor. Subsequent testing confirmed successful cleanup of site. Costs handled through Change Order to current contract	500,000
Buffalo River	Highway Maintenance Facility	High	Hydrocarbons, vehicle lubricants, road salt	Remediation Planning	GNWT	ESA III revealed salt contamination extends beyond the fence line of this operational property into the right-of-way (also DOT property). No imminent threat exists, since salt is not moving toward the river, but since the property boundaries have been exceeded, the site is evaluated as a high priority for cleanup.	42,000

Deline	Airport	Low	Hydrocarbon - petroleum	Monitoring	GNWT	As the regulator, ENR must issue letter of completion before decommissioning of the landfarm can be considered. Follow up required with ENR.	-
Fort Good Hope	Airport	Low	Unknown	Sampling/Investigation	GNWT	Site identified due to "white, crusted substance" on ground; sampling not performed at identification stage. DOT staff will sample as possible.	100,000
Fort Providence	Highway Maintenance Facility	Low	Hydrocarbons, vehicle lubricants, road salt	Monitoring Only	GNWT	Internal monitoring will continue at this site.	150,000
Fort Smith	Airport	Low	Asbestos-EL nil	Monitoring Only	GNWT	Internal monitoring will continue at this site.	-
Ft. Liard	Airport	Low	Hydrocarbon - petroleum	Remediation	Beaver Enterprises	ENR reviewing Environmental Risk Assessment for tenant. DOT awaiting ENR's input. Internal monitoring will continue at this site.	-
Hay River	Airport	Low	Hydrocarbons, vehicle lubricants,	Monitoring Only	GNWT	Phase III ESA undertaken summer 2014. Final reports expected before end of fiscal 2015. No imminent threats identified. Internal monitoring will continue at this site.	346,000
Yellowknife	Highway Maintenance Facility	Low	Hydrocarbons, vehicle lubricants, road salt	Monitoring Only	GNWT	DOT will continue to monitor this site.	-
Yellowknife - Transport Canada Bldgs	Airport	Low	Hydrocarbons, vehicle lubricants,	Monitoring-Remediation	GNWT / Transport Canada has agreed to accept responsibility for certain contamination issues, on a case-by-case basis	The department's position is that the Maintenance Garage must be removed and the site remediated by Transport Canada. That agency has been non-responsive. Latest update is that Transport Canada denies liability for the removal of the asbestos, although our Justice department is of the opinion they are mistaken. A further hazardous materials assessment and other studies would need to be undertaken if the GNWT is forced to accept the full responsibility for remaining remediation activities.	-

Ft Providence (Dory Point)	Marine Compound	Low	hydrocarbon - petroleum	ESA III	GNWT	Industrial use site by department and contractors. A Phase III ESA is required for the site but all work has been delayed until the Deh Cho Bridge Contractor completed construction and warranty work. The contractor has now vacated site. Estimated to be actioned in summer 2015, when the Merv Hardie ferry and all remaining on site materials have been relocated. Cost estimate based on similar work at Checkpoint, adjusted for size/location of the site.	890,000
James Creek Maintenance Facility - Dempster Highway (No. 8 - Km 14)	Highway Maintenance Facility	High	Hydrocarbons, vehicle lubricants	Remediation	GNWT	Spill response report 2009 (Stantec) identified larger contamination plume beneath Maintenance Garage. ESA III completed (Kavik-Axys) 2011. Pre-treatment Study completed in 2011-12, followed by hydrological investigation report in 2013 (Oxytek) to ensure potentially contaminated water was not moving through the substrate rock to into James Creek. No imminent threat identified. Costs based on Remediation Options developed. Remediation Plan produced by DOT consultant in 2014 under regulatory direction and submitted to The Gwich'in Land and Water Board (deadline met). Estimate not provided for public registry document owing for potential to skew procurement during tender events.	1,430,000
Peel River Ferry Crossing	Highway Maintenance Facility	Low	Hydrocarbons, vehicle lubricants, road salt	ESA III	GNWT	ESA III and RAP completed report expected early fiscal 2015-16. Site is currently active and being monitored by department.	128,000

Ft. Simpson	Airport	High (for IOL cleanup) Low (for DOT work)	hydrocarbon - petroleum	Monitoring Only	GNWT (owner)/IOL (responsible party)	Removal of tank discovered completed in 2014 using small contract. Working with ENR to engage with IOL about the underground contamination.	300,000
Deline	Airport Reserve	Medium	hydrocarbon - petroleum	Remediation	GNWT	MACA and PWS must confirm next steps, since the facility on this property was established by those agencies. Cost estimate for decommissioning of landfarm based on experience with similar work.	99,000
Hay River Central Repair Facility	Highway Maintenance Facility	Low	hydrocarbon - petroleum	Monitoring Only	GNWT	Phase II/III ESA completed in 2012. Contaminants onsite appear to be stable. No imminent threats identified.	169,000