



Marine Transportation Services

Arctic Development Expo

June 2025

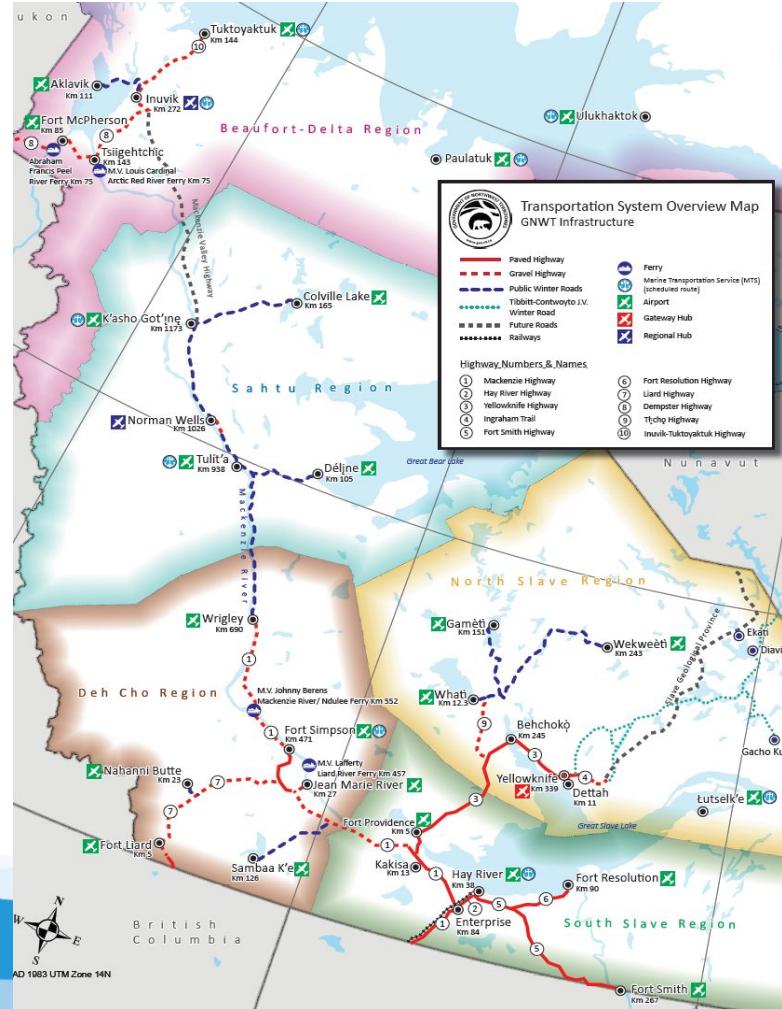


Outline

- The NWT's multimodal transportation ecosystem
- Marine system
- Challenges
- Opportunities



The NWT's multimodal transportation ecosystem



- 1.35 million km²
- 44,970 people
- 33 communities
- Significant challenges with delivery of goods and services
- Limited and aging infrastructure network plays a critical role in re-supplying all NWT communities
- Critical infrastructure has limited redundancies

Government of
Northwest Territories

A Snapshot of the Department of Infrastructure

From roads to runways, buildings to energy systems - we plan, build, maintain, and manage the infrastructure that supports transportation, energy, and essential services across the NWT.

27 AIRPORTS 30 RUNWAYS



Average of
50 Million
litres of fuel
moved to
21 communities
each year

3,873 Km
of roadways including
1,385 Km of winter roads
115 bridges
4 ferry crossings

826

Public Buildings maintained by INF
107 leases of general office space
including: health centres, schools, fire halls, water treatment plants, office spaces, air terminals, correctional facilities, etc.

13 Driver & Vehicle Offices
15 0 0 0
Drivers' Licences issued yearly

BARGES deliver **3,400 t**
of essential cargo annually from
Hay River, Inuvik, Tuktoyaktuk


NWT leads
Canada in
SUSTAINABLE
WOOD PELLET
HEATING

Responsible for **12** pieces
of Territorial Legislation

Transportation: *Motor Vehicles Act, All-Terrain Vehicles Act, Public Airports Act, Deh Cho Bridge Act, Public Highways Act, Transportation of Dangerous Goods Act*
Safety: *Gas Protection Act, Electrical Protection Act, Elevators and Lifts Act, Boilers and Pressure Vessels Act*
Profession: *Practice of Engineering, Geoscience and Applied Science Technology Act, Architects Act*



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Marine System

- 10 NWT communities have some form of annual marine resupply
 - deck cargo (e.g., construction materials)
 - petroleum products (e.g., heating fuel, gas)
- Tuktoyaktuk: Arctic marine gateway
- Hay River: Syncrolift and multimodal transportation hub
- Strategically located to handle freight between Arctic coast and Southern Canada
- In recent years, positioning fuel off Arctic coast for delivery along Mackenzie River



Challenges - Environmental

- Record low water levels
- Ice conditions in the Western Arctic
- Service interruptions due to wildfires
- Climate change adaptation

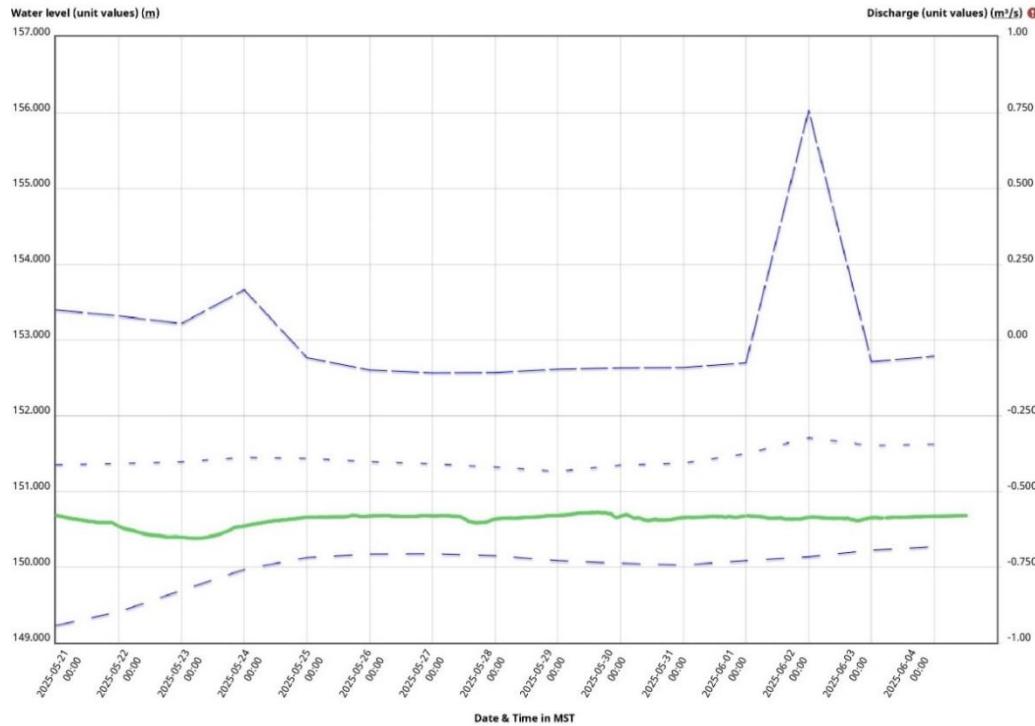


Real-Time Hydrometric Data Graph for MACKENZIE RIVER NEAR FORT PROVIDENCE (10FB001) [NT]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

Legend

Water level (unit values) - Provisional	Water level (unit values) - Maximum	Water level (unit values) - Mean	Water level (unit values) - Minimum
- - -	—	—	—



Challenges - Operational

- Cost of living and doing business in the North
- Backlog of critical maintenance to marine facilities
- Ageing marine assets
- Evolving Transport Canada regulations



Challenges - Rail System

- CN Rail-operated single-track line how extends only to Enterprise, NT
- 2023 wildfire season significantly damaged the CN rail line from Enterprise to Hay River
- ~3,000 railcar loads delivered bulk fuel from southern Canada to Hay River annually prior to 2023 wildfires.



Opportunities

- MTS governance structure
- Staff expertise
- Western Arctic Marine Training Centre
- M-18 project
- Importance of Arctic sovereignty and security



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