

Aviation & Airport Planning

Inukshuk offers research, land use analysis, site planning & public consultation services to the aviation industry.

We work with a range of specialists to resolve land use concerns, prepare airport master plans & conduct special market studies.



Inukshuk Planning & Development LTD.

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Whitehorse International Airport Runway Extension

Inukshuk developed a public consultation program and organized an Open House to explain the expansion plans.

Displays, brochures and comment sheets were prepared and concerns researched to ensure public support.



Client: Government of Yukon



Schwatka Lake Aviation & Land Use Study

Inukshuk examined the compatibility of land and water uses on Schwatka Lake in the heart of Whitehorse. The lake is the source of drinking water and is used for recreation and as a floatplane base. The study resulted in recommendations to manage shoreline land use and surface water activities.

Client: City of Whitehorse



Dawson City Airport Demand Forecast

The study analyzed the current level and type of airport use, determined the source of present demand and forecast future requirements. It also examined whether present operating limitations were constraining market development or restricting airline industry operations.

Client: Government of Yukon

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Needs Assessment – Old Crow Air Terminal Building

The ATB is the 'gateway' to the Yukon's only community without road access. Inukshuk prepared a functional needs assessment focusing on tenant and passenger needs, cargo handling and CARS operation requirements.

Client: Government of Yukon



Global Market Access: Aeronautical Market Study, Whitehorse International Airport

Inukshuk provided research support and local knowledge for this technical study which identified the potential international markets, long haul carriers and aircraft types that can now reach and depart from Whitehorse as a result of the extension of the runway to 2,896 metres.

Client: Government of Yukon



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Vision 2020: Whitehorse International Airport Development Plan

Inukshuk coordinated public consultation, identified land use, community issues and tenant operational concerns. The firm coordinated local research and provided practical insight into resident and visitor market opportunities.

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Yukon Air Cargo Report

This study provided government and industry with a baseline assessment of the current state of the Yukon's air cargo and air courier services. Industry health, current service levels, opportunities and constraints to industry development were examined and benchmarked against airport cargo operations in Alaska, BC and the NWT.

Client: Government of Yukon



Taxiway G: Lot Expansion Site Planning, Whitehorse International Airport

Private hangers and other land uses abut this secondary taxiway. Inukshuk interviewed hanger tenants as well as airport managers in other cities, examined the policies regarding use of these lots and developed 3 site development options for the remaining vacant lands.

Client: Government of Yukon

Whitehorse International Airport Parking & Circulation Study

Inukshuk identified solutions to parking, signage and circulation problems. Airport users were consulted on signage, lot layout, convenience, parking priority and safety issues. This picture illustrates one of our simple sign solutions. The new sign is user-friendly, easier to understand at a distance and has resulted in greater compliance and improved circulation.

Client: Government of Yukon



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Yukon Airport Fees & Charges Study

In 2009, Inukshuk produced a comprehensive review of airport fees and charges for Yukon Aviation Branch. The study looked in detail at airport fees in the Yukon, across Canada and Alaska. It also looked at the policy and administrative framework to identify issues and possible solutions, resulting in a wide-ranging set of recommendations.

Client: Government of Yukon



Airport Winter Runway Maintenance Survey

Inukshuk compared airport winter runway maintenance standards and operations at 18 airports across Canada and Alaska in 2013. Inukshuk interviewed each of the airport operators regarding their operational environment and level of service standards. Key themes were identified, enabling the Aviation Branch to make informed and balanced business case recommendations for winter maintenance standards.

Client: Government of Yukon



Dawson Airport Lot Demand

In 2011, the Aviation Branch contracted Inukshuk to investigate the level of interest in acquiring lease lots on the south side of the runway as part of improvement plans for Dawson City Airport. Inukshuk created and administered an on-line survey to reach as many potential lessees as possible. Much of the current demand appeared related to the seasonal mining exploration boom. Inukshuk provided a plan to maximize opportunities for the airport and minimize existing and potential conflict amongst fixed and rotary wing lessees over the long term.

Client: Government of Yukon

