

Overview

A traffic study was completed to support the development of Casino's Environment and Socio-economic Effects Statement. This study helped estimate the number and type of vehicles needed to transport people, supplies, and mining materials. Project-related traffic is expected to use the Alaska Highway, Klondike Highway, as well as the Freegold Road and Casino Road.

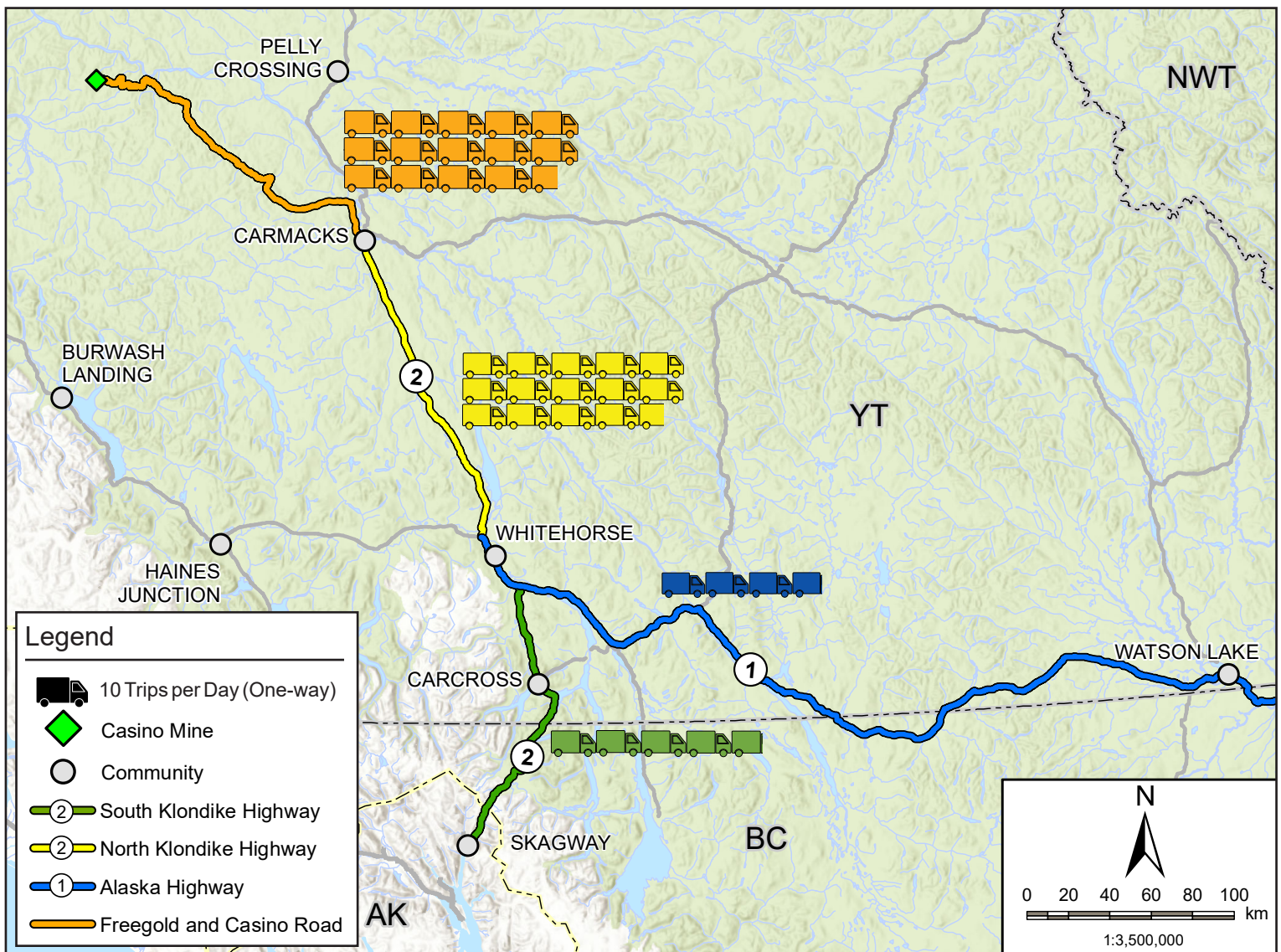
Throughout the life of the mine, the volume and type of Project-related traffic will vary. As a result, Casino developed a range of traffic estimates (low, average, high) for each phase of the project (construction, operation,

and end-life). Traffic estimates provided here are based on activities during operation and represent the average estimates.

Of all the traffic generated by the Casino project, the ultimate destinations are as follows:

- 5% will remain on the Freegold and Casino Roads;
- 43% will end up in Whitehorse;
- 30% will end up in Skagway; and
- 22% will go to BC and beyond via the Alaska Highway.

Road Network



Estimated Traffic Volumes

These graphs show Casino's Project-related traffic compared to everyday traffic over time. The years shown are examples and demonstrate current traffic and estimated traffic during construction, operation, and near the end of the mine's life.

For example, during construction, average Project-related traffic on the North Klondike Highway is estimated at 51 trips per day. This means you would see 51 Project-related vehicles drive by you. During mine operations, average traffic on the North Klondike Highway is estimated at 144 trips per day. That means about one additional vehicle every ten minutes on the North Klondike Highway.

It is important to keep in mind that traffic will vary day to day and that the numbers shown here are average estimates. Yukoners may expect to see more or less depending on Project activity.

What Will the Trucks be Carrying?

A range of supplies and mining materials will be transported to and from the mine site. Most cargo will require large vehicles. Casino expects to see:

- Up to 100 vehicles carrying miscellaneous supplies and materials per day
- Less than 50 vehicles carrying copper and molybdenum concentrate per day
- 35 vehicles carrying fuel per day (liquified natural gas or diesel)
- 5 vehicles carrying explosives or blasting agents per day
- 4-5 vehicles carrying cyanide per week

Miscellaneous traffic includes camp and catering supplies, mining equipment, maintenance supplies, or even the workforce when flights to site are not possible.

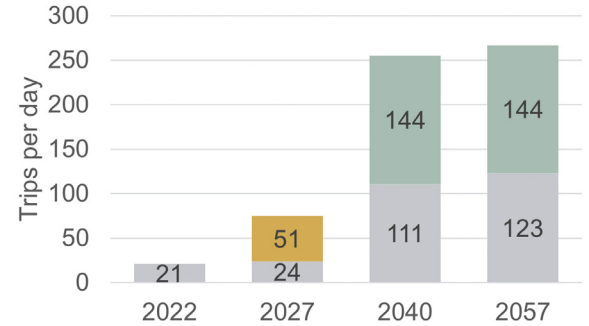
Road Safety

To help keep roads safe for everyone, Casino will implement:

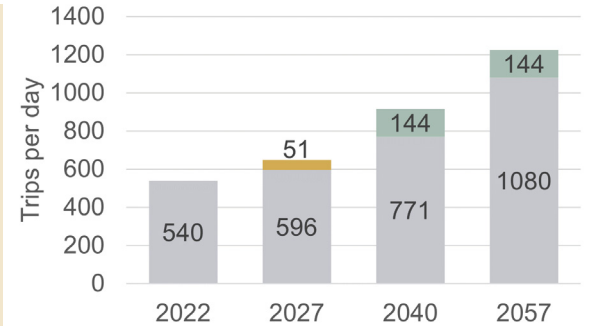
- Special training programs for drivers (e.g., defensive driving, winter driving, hazard awareness, and emergency response)
- Mandatory spill kits for vehicles
- Mandatory rest breaks for drivers
- Radio call procedures
- Fleet monitoring systems for data on vehicle performance and driving behaviours (e.g., speed, acceleration, and braking patterns)
- Collision avoidance systems (e.g., lane departure, blind spot, forward collision warnings, and speed limiting devices)

■ Non-Project Traffic ■ Construction ■ Operation

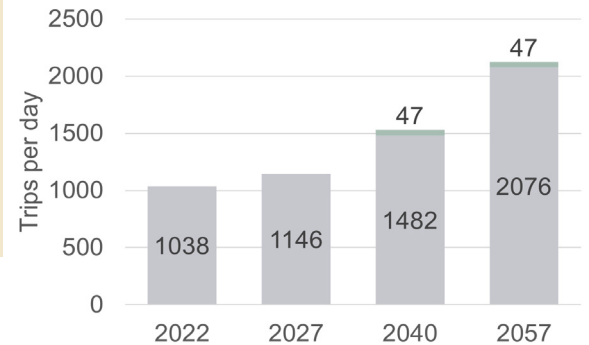
Freegold and Casino Roads



North Klondike Highway



South Klondike Highway



Alaska Highway

