

Health Impacts Associated with Billy Bishop Toronto City Airport Expansion



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- Central Waterfront includes a mix of uses
- Official Plan calls for revitalization and improving connection between Waterfront and City
- Local neighbourhoods include vulnerable populations



Photo by [Andrea Zaratini](#) from the [Torontoist Flickr Pool](#).

Factors Considered in the HIA

Environmental

- Air quality
- Noise
- Traffic
- Climate change
- Wildlife
- Odour
- Light pollution
- Fuel transport
- Water quality

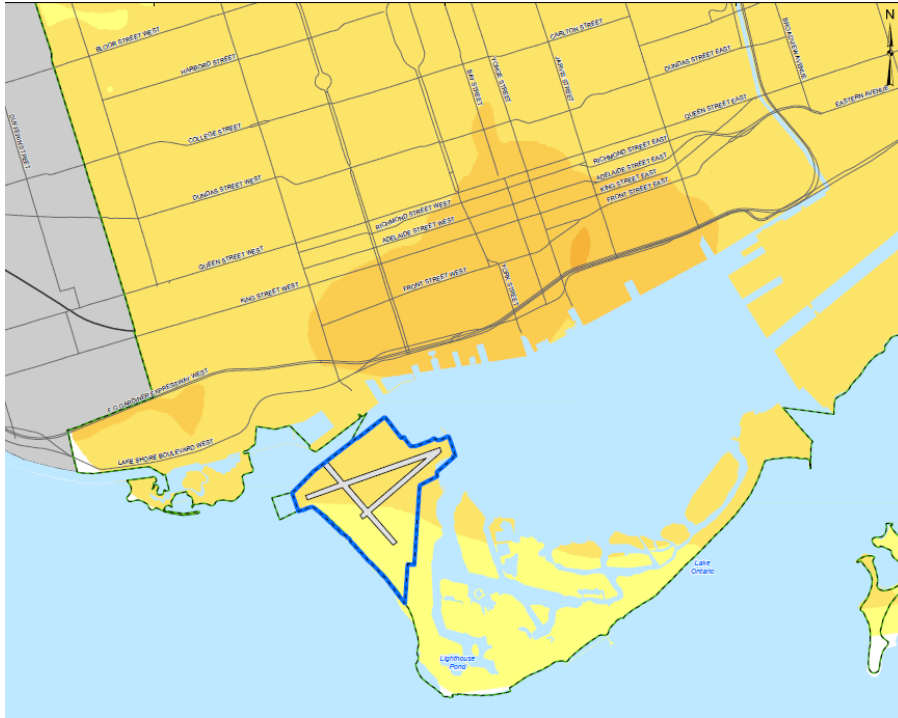
Economic

- Income
- Employment
- Tourism
- Healthcare costs
- Property values
- Transportation Costs

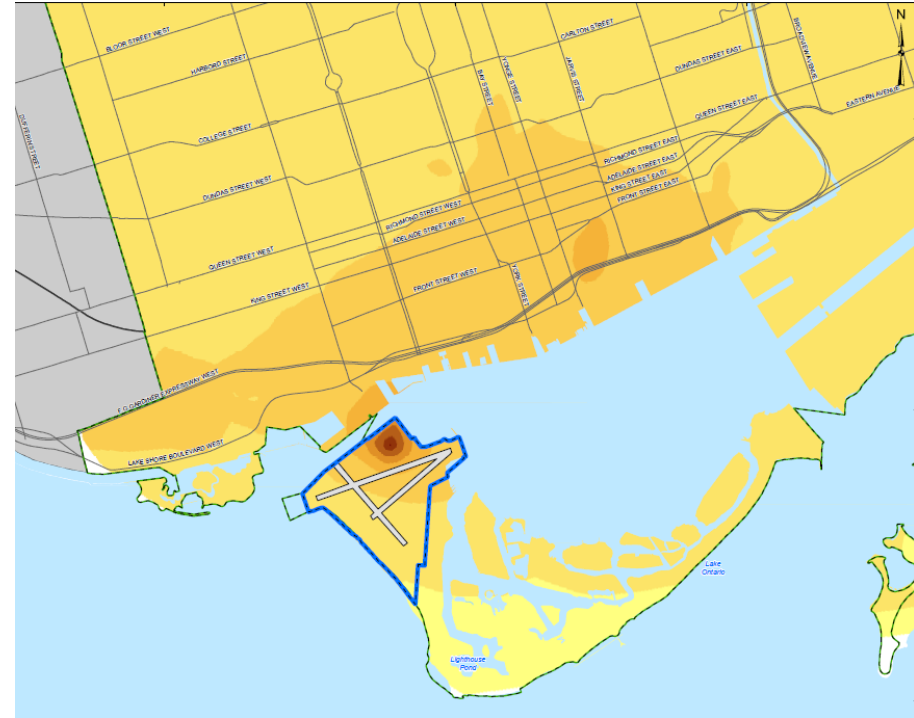
Social and Cultural

- Feeling safe in the community
- Recreation
- Cultural activities
- Community services
- Community character
- Community plan (waterfront revitalization)

Annual Average NO₂ without BBTCA

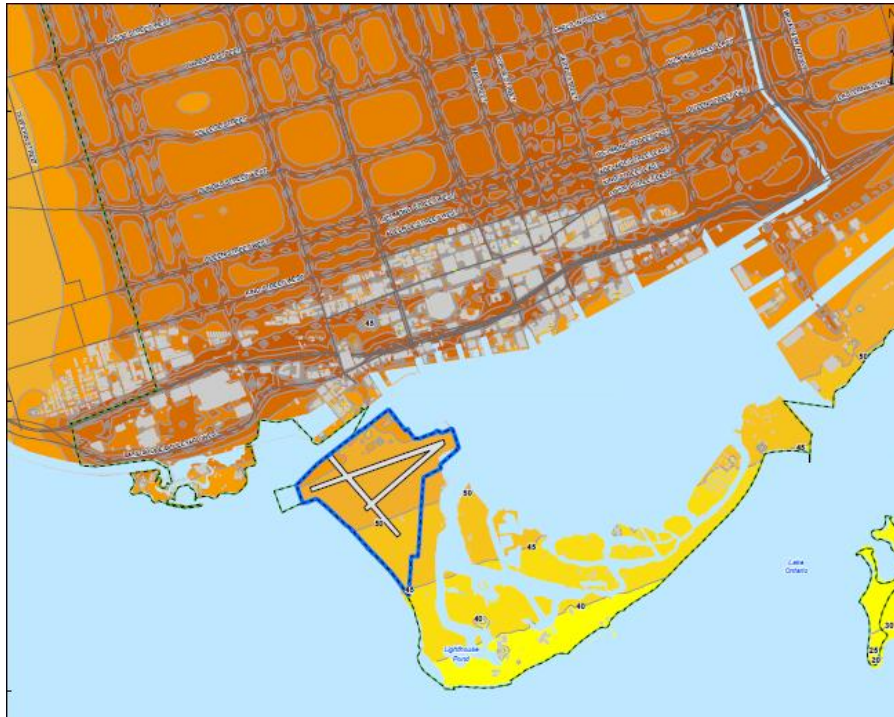


Annual Average NO₂ with BBTCA



Existing airport operations add to background air pollution levels that are already above health benchmarks and contribute to the overall burden of cancer and respiratory and cardiovascular illness.

Daytime noise levels without BBTCA



Daytime noise levels with BBTCA



Existing airport operations add to current noise levels which already exceed health-based guidelines for annoyance, sleep disturbance, and children's impaired learning performance.

- Traffic conditions
 - increase the risk of injuries or fatalities
 - Discourage walking and cycling
 - hamper access to recreational, health, and community services in the area
 - are expected to worsen with expansion



Photo Credit: Citynews.ca

Additional Findings

Potential Health Risk	Health Impact of BBTCA relative to a baseline of "no airport"	Health Impact of permitting Jets, relative to current conditions
<i>Other Environmental</i>		
Climate change	Negative	Negative
Water quality	Negative	Negative
<i>Economic</i>		
Income	Positive	Positive
Employment	Positive	Positive
Tourism	Negative and positive	Negative and positive
Healthcare costs	Negative	Negative and positive
Property values	Uncertain	Uncertain
Infrastructure	Negative	Negative
<i>Social and Cultural</i>		
Feeling safe in the community	Negative	Negative
Recreation	Negative	Negative
Cultural activities	Negative	Negative
Community services	Negative	Negative
Community Character	Not known	Negative

- **Key Recommendations**

- Implement mitigation measures to reduce the current impacts on the local community
- Ensure that any change to operations and associated transportation infrastructure reduces existing health impacts
- Plan for the most health-supporting use of the airport lands over the long-term

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