



# DANGER: FLYROCK!

**Without a safe Exclusion Zone, flyrock from blasting at quarries can cause property damage, personal injury or worse.**



About one kilometre of Highway 7 lies within 500 metres of the proposed Hidden Quarry.

At **greater distances**, flyrock has killed a passenger in a car travelling on U.S. Interstate 75 and another car passenger on Britain's M1 motorway.

## The Ontario Government Must Regulate Flyrock

Personal injury and property damage from flyrock in Rockwood and other Ontario communities is preventable! But current Ontario regulations do not require 'flyrock exclusion zones' around quarry blasting.

The Concerned Residents Coalition (CRC Rockwood) calls upon John Yakabuski, Minister of Natural Resources and Forestry, **to immediately require 500-metre (minimum) Flyrock Exclusion Zones on all gravel quarries in Ontario.**

It's especially urgent to protect Rockwood residents and people who travel along Highway 7 by the proposed Hidden Quarry site.



**NO QUARRY BLASTING WITHIN 500 METRES OF HUMAN ACTIVITY**



**Please help us by contacting Minister Yakabuski to demand that flyrock be regulated in Ontario.**

**MAIL:**

Hon. John Yakabuski, Minister,  
Ministry of Natural Resources and Forestry  
Whitney Block Suite 6630, 6th Floor  
99 Wellesley St. W, Toronto, ON M7A 1W3

**PHONE:**

416-314-2301

**EMAIL:**

minister.mnrf@ontario.ca

Visit us at [www.hiddenquarry.ca](http://www.hiddenquarry.ca)

See our Flyrock Fact Sheet on reverse side 

# Flyrock Fact Sheet

## Proposed Hidden Quarry, Rockwood ON

### Definition

Flyrock is rock fragments propelled through the air beyond the normal blast zone by explosives detonated to fragment the rock.

### Flyrock Impacts

Flyrock can have devastating consequences including property damage, injuries and even fatalities. (See [www.hiddenquarry.ca](http://www.hiddenquarry.ca) for a list of flyrock incidents in Ontario and other jurisdictions.)

- Typically, rocks the size of baseballs are propelled at up to 600 km/hour.
- Flyrock as large as one cubic foot (like a small microwave oven) has been propelled as far as 1.2 km from a blasting site!

### 'Flyrock Exclusion Zones'

The Ontario government should follow other jurisdictions and require a 500-metre 'flyrock exclusion zone' to prevent injuries and property damage. Some U.S. states (e.g. Texas), Australia and New Zealand are among jurisdictions that require 400- to 500-metre exclusion zones for quarry and mine blasting.\*

\*See [www.hiddenquarry.ca](http://www.hiddenquarry.ca) for more information.

### Frequency of Flyrock

Flyrock is not a common occurrence, but geological factors and human error can produce unpredictable violent ejection of flyrock.

- Dyno Nobel Americas says flyrock occurs, on average, once every 175 blasts.
- We estimate between 25,000 and 75,000 separate explosive charges during Hidden Quarry's proposed 17-year operating life.
- The Hidden Quarry could have 8 to 25 flyrock incidents per year, some of which may exit the site.

### Risk of Property Damage and Personal Injury in Rockwood, Ontario

- 19 homes and businesses are in the Flyrock Danger Zone (within 500 metres of the proposed blast site).
- 9,000 vehicles on average, including school and GO buses, travel daily within the Flyrock Danger Zone.

**To protect Rockwood residents and Highway 7 travellers near the proposed Hidden Quarry site, a 500-metre flyrock exclusion zone is necessary.**

See reverse side for information on how to contact  
John Yakabuski, Minister of Natural Resources and Forestry ▶