

The East Ender

Distributed to residents
of Waihi East

SEPTEMBER 2015

New Zealand
ShakeOut

GET READY
GET THRU

Coming Up

Correnso Community Meeting, Wednesday 9 September 2.00pm & 5.30pm Education Centre Moresby Ave.

The second of this year's two community meetings will be held on 9 September. Please note that these meetings will be held at the Education Centre on the corner of Savage Road and Moresby Avenue. As usual, there will be two sessions, with the same information provided at both 2.00pm and 5.30pm. These meetings are an opportunity to find out what is happening at Correnso. Meetings are independently facilitated. All welcome.



Above: Blast Notification Coasters are currently being distributed in Waihi East as we receive each batch from the supplier.

New Zealand ShakeOut

International ShakeOut Day of Action: Thursday 15 October

Everyone, everywhere, should know the right action to take before, during, and after an earthquake. Thursday 15 October is the *International ShakeOut Day of Action*. New Zealand will be the first country to participate this year at 9.15am.

The organisers hope to sign up 1.5 million New Zealanders, making ours the biggest ShakeOut per capita. Already over 700,000 participants have registered.

You can sign up here. www.shakeout.govt.nz/register/index.php

Find out more about ShakeOut Day and how you can participate here. www.shakeout.govt.nz/howtoparticipate/

Everyone, everywhere, should know the right action to take before, during, and after an earthquake.

How are earthquakes different from blast vibration?

- Earthquake vibration frequency usually much lower than blast vibration (less than 5-10Hz, often perceived as 'sway').
 - Blast vibration greater than 10Hz (often perceived as 'shudder').
 - Blast will have high velocity but displacement is low (the ground only moves about the thickness of a piece of paper during a blast).
 - Earthquakes usually have low velocity, but high displacement (ground may move a lot) causing damage.
 - Earthquakes usually involve sideways movement, blasts are dominated by vertical movement.
- (See more on page two)

CORRENZO COMMUNITY MEETINGS
WEDNESDAY 9 September 2.00pm & 5.30pm
Education Centre Cnr Savage Rd & Moresby Ave

Contact us:

Donna Fisher, Company Liaison Officer
0800 NEWMONT (0800 639 6668)


NEWMONT

Blast vibration or an earthquake?

None of us like the thought of an earthquake happening, so it is important that we all know the difference between the small vibration caused by a mine blast and the much larger vibration caused by an earthquake.

Correnso blasts are scheduled to happen up to three times a day during meal breaks, currently between 7.00am-8.00am, 1.00pm-2.00pm, and 7.00pm-8.00pm. We will use our best endeavours to ensure that they happen between these times. The blast in the middle of the day is the larger production blast, the other two are more likely to be development blasts. Blasts must not be longer than 12 seconds. Most will be shorter.

- If you feel a small vibration during any of the above times, and it lasts no more than 5-10 seconds, then it will most likely be vibration from a blast.
- There is no night time blasting and no blasting on Sundays or public holidays.
- Outside of these times, an event much longer than 10 seconds, or any vibration which is stronger or more intense is not a mine blast.

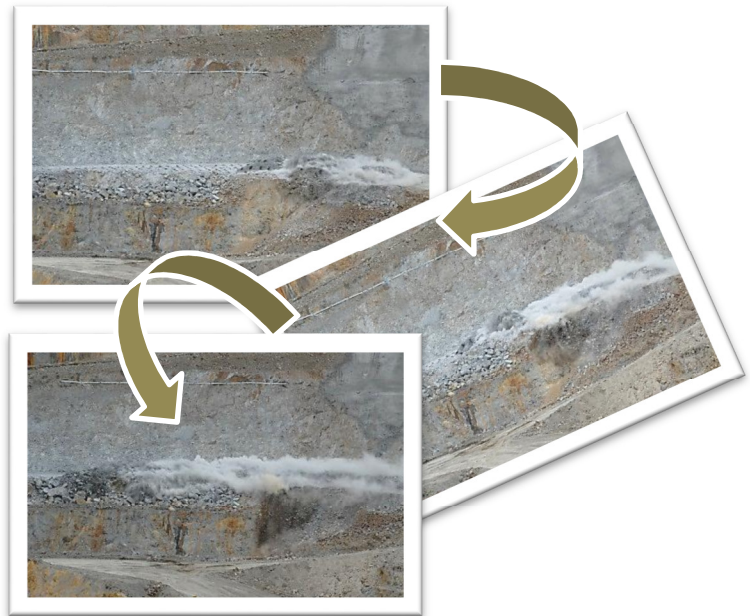
What's the difference?

A mine blast produces a comparatively small vibration that travels through the ground and lasts a few seconds. In some instances mine blasts can make crockery rattle or the ground tremble for a short period of time. The vibration gets less as the distance from the blast increases, so different people will feel different effects depending on where they live and in what part of the mine we are working. A distant earthquake can sometimes produce similar kinds of vibration. If it is distant, an earthquake is not going to cause damage and there is no cause for concern.

An earthquake that is closer will be very different. The vibration will be sudden, sharper and stronger. It will probably not happen during the times we usually associate with blasting. It may be longer than 10 seconds. Objects in your house may move. You have no doubt seen these events on television with objects falling off shelves or loose objects moving around.

You can be notified about blast times or log on to our website www.waihigold.co.nz to find out when the next blast is scheduled and where it will occur.

Floor Strip Blasts



Above: A floor strip blast 'ruffles' the floor of the drive in a wave, just like in the open pit.

Recently we have been detonating floor strip blasts at Correnso. Some residents have reported that the vibration from these feels 'different'.

Floor strips are used to recover ore directly below the drive. They are used at the deepest part of the current mining operation just above the level at which the mine is dewatered. The blast loosens a trench of rock five metres deep in the floor of the drive.

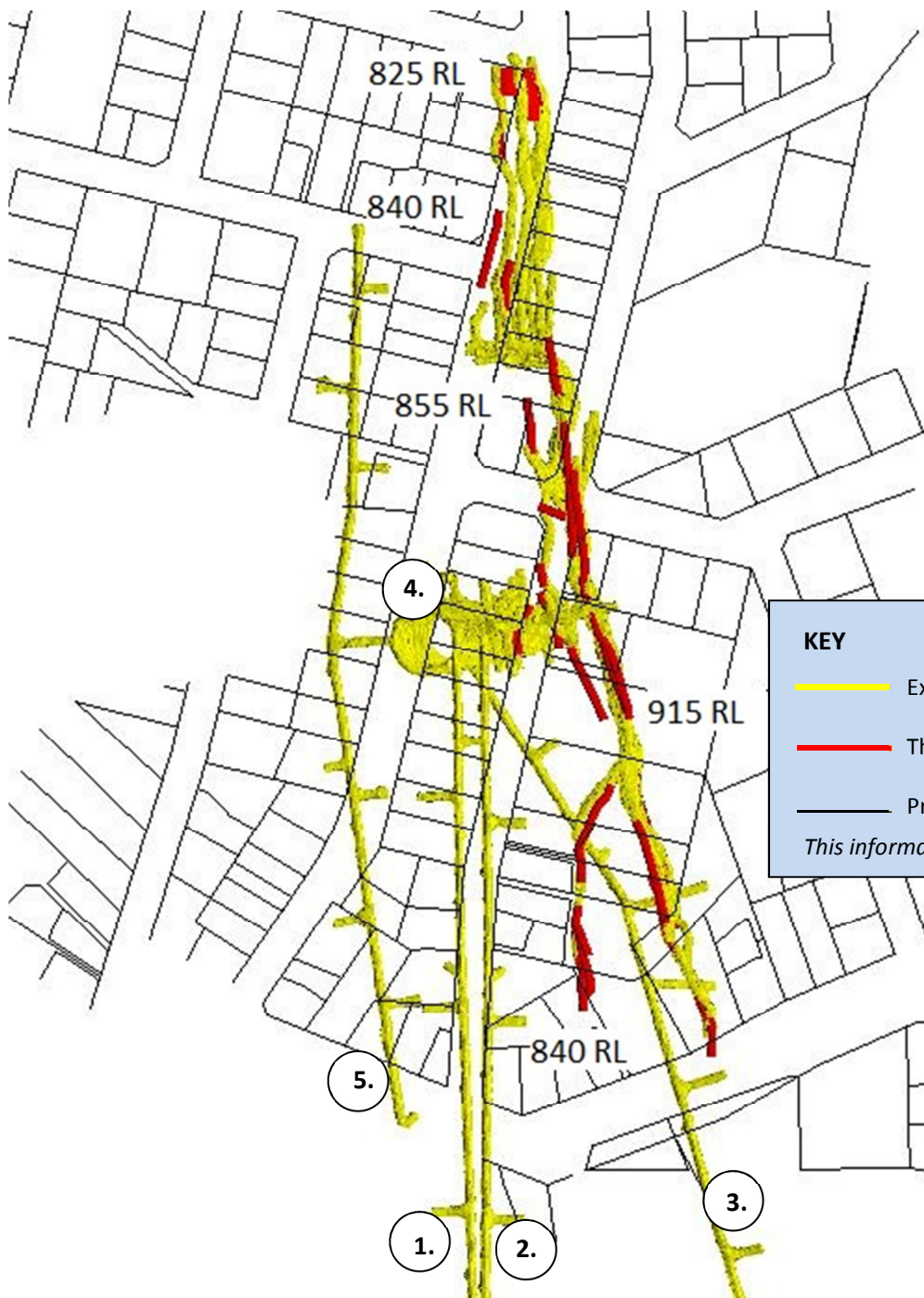
These blasts are very similar to those which take place in the open pit.

Blast events in the open pit are sequential. The blast is designed to 'ruffle' along the mine floor much like a wave. If you have ever stood at the viewing platform on the pit rim you will have seen the blast travel along a mine bench in this way.

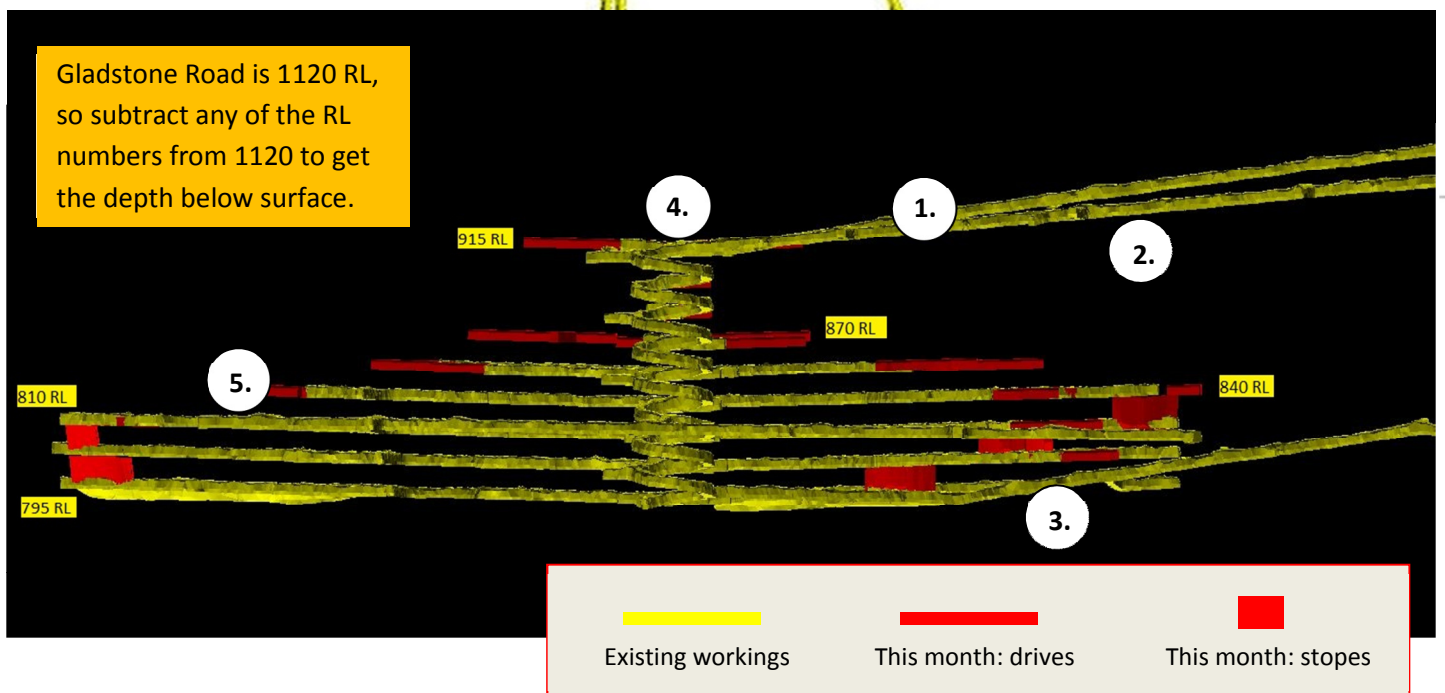
Underground blasts are also sequential but the pattern is different, and in the case of development blasts, they are vertical (on the face of the drive) rather than horizontal (on the floor). A floor strip blast 'ruffles' the floor of the drive in a wave, just like in the open pit.

The timing of a development blast is also different. The delay between each charge in a development blast varies by a few microseconds. In a floor strip blast the delay between each charge is the same.

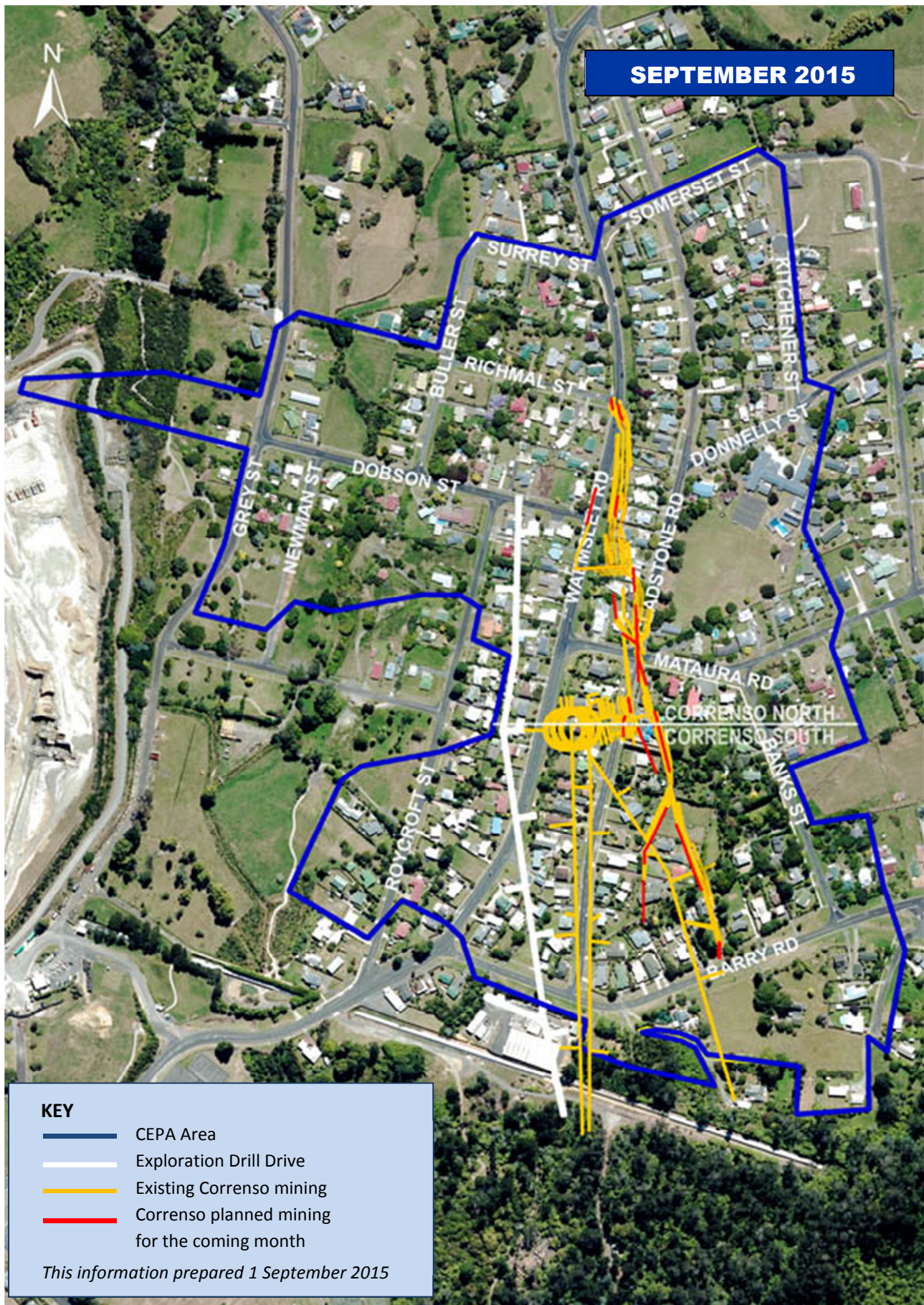
This different blast signature is what is making some underground blast vibrations feel different to those which are usually experienced for a number of people.



Sky Tower on the same scale



SEPTEMBER 2015



Mine Development Plan

Published at the start of each month as required by
Condition 22a of the Correnso Underground
Conditions of Consent

0800 NEWMONT (0800 639 6668)