

Subject: Re: 2024 PC 14 IHP Hearings - #794 Greg Partridge
Sent: 26/04/2024, 11:32:36 am
From: Gregory Partridge<greg_partridge@hotmail.co.nz>
To: IHP Info

Categories: Info post hearing request or otherwise

Good morning Jo,

Could you please forward the attached through to the Commissioners to view?

I feel it's vital that they view the following and for it to be added to their findings if the Council actually are to properly consider the future sustainability of our city, and the financial stability of the Council itself in terms of managing flood mitigation.

[Coastal cities not safe from sea level rise - oceanographer \(cosmosmagazine.com\)](https://cosmosmagazine.com/coastal-cities-not-safe-from-sea-level-rise)

I'm also attaching a lecture delivered by University of Canterbury Earthquake Engineering Professor Brendon Bradley, to provide insight into how significant the ground shaking will be here in Christchurch as a result of an Alpine Fault rupture, and also to illuminate the fact that it is not the only fault line which poses a significant risk to Christchurch.

[youtube af8 - Google Search](#)

Also attached is a similar presentation from Professor Brendon Bradley.

In section 4 of the video, which starts at 19 minutes into the presentation, he speaks to the geology of the Canterbury basin and the strength of ground motion that occurs here during earthquakes caused by internal reflection. In section 5 of the video, which starts at 29 minutes into his presentation, Professor Bradley shows an animation of the Darfield Earthquake and importantly speaks in more detail to the damaging ground shaking and the trapping of seismic waves and peak ground velocity in the sedimentary land on which Christchurch sits.

<https://www.youtube.com/watch?v=WkNXFrTkVNc>

[UC Connect: What will an Alpine Fault earthquake feel like?](#)

University of Canterbury Earthquake Engineering Professor Brendon Bradley talks about how new methods of understanding ground shaking in the Canterbury earthquakes are helping us prepare for the future living in the Shaky Isles. His lecture gives insights into the ground shaking 'beneath your feet' that occurred during the 2010-2011 ...

www.youtube.com

Many thanks.

Kind regards
Greg Partridge
