



Paul Stichbury
By Email: fyi-request-29207-25082728@requests.fyi.org.nz

25 November 2024

Dear Paul,

Official Information Request: Availability of Seismic Data to the General Public

I refer to your official information request of 15 November 2024 for the following information:

I am making an OIA request with the purpose of clarifying statements made on the QuakeCore website where they cite the work of GNS regarding the updated National Seismic Hazard Model.
<https://nshm.gns.cri.nz/>

<https://quakecore.nz/research-project-stories-triumph-of-collaboration/>

...

I can not find on either website clarification of which regions have an increased level of risk or a two to three times seismic risk.

1/ Will these regions with increased hazard be identified?

...

The National Seismic Hazard Model has thumbnail summaries for identified fault zones. These are helpful but need further information as to frequency, images from google earth, precise location, their own webpage etc.

2/ Will full details be made available to the public? A disturbing example under Palmerston North with an earthquake range from 7.56 to 9.6

...

3/ Has GNS Science had any involvement with either the Lifelines Project or the Turitea Dams?

4/ Were there any communications on seismic issues with Dora Luo?

5/ Has GNS Science ever been consulted by anyone at PNCC, especially in light of question number 2?

Request granted

We have decided to grant your request. The information you have requested is set out below:

1. *Will these regions with increased hazard be identified?*

This information is available in the text and figures of section 5 of the following GNS Science report (Gerstenberger MC, Bora S, Bradley BA, DiCaprio C, Van Dissen RJ, Atkinson GM, Chamberlain C, Christophersen A, Clark KJ, Coffey GL, et al. 2022. New Zealand National Seismic Hazard Model 2022 revision: model, hazard and process overview. Lower Hutt (NZ):

GNS Science. 106 p. (GNS Science report; 2022/57). Doi:10.21420/TB83-7X19.), which is freely available for download at:

https://nshm-staticreports.gns.cri.nz/NSHM/ScienceReports/SR2022-57%20NSHM%20Summary%20Report_FINAL.pdf

2. *Will full details be made available to the public? A disturbing example under Palmerston North with an earthquake range from 7.56 to 9.6*

All details of the model are available in the GNS Science reports that accompany the model results, available here:

<https://nshm.gns.cri.nz/Resources/ScienceReports>

Data for individual locations and seismic hazard maps of New Zealand can be found at:

<https://nshm.gns.cri.nz/HazardCurves>
<https://nshm.gns.cri.nz/HazardMaps>

3. *Has GNS Science had any involvement with either the Lifelines Project or the Turitea Dams?*

GNS has done work in relation to the Turitea dams.

GNS Science was not involved in the Lifelines Project referred to in your request.

4. *Were there any communications on seismic issues with Dora Luo?*

GNS has communicated with Dora Luo on seismic issues.

5. *Has GNS Science ever been consulted by anyone at PNCC, especially in light of question number 2?*

As mentioned above, GNS Science was consulted by Dora Luo.

If you require further information as a result of our responses to your questions, could you please be specific as to timeframes and subject matter. We note a word search of our email database in respect of questions 3-5 resulted in over 12,000 results. Subject to the breadth of any further request for information, we may have to charge for the supply of that information. The more specific you can be with your request the more efficiently we can respond. Where the labour involved to retrieve, collate and supply the information is reasonable, the relevant information can also be supplied at no cost.

Your rights

You have the right to seek an investigation and review by the Ombudsman. Information about how to make a complaint is available at www.ombudsman.parliament.nz or freephone 0800 802 602.

Yours sincerely

Anna Jellie
General Counsel