

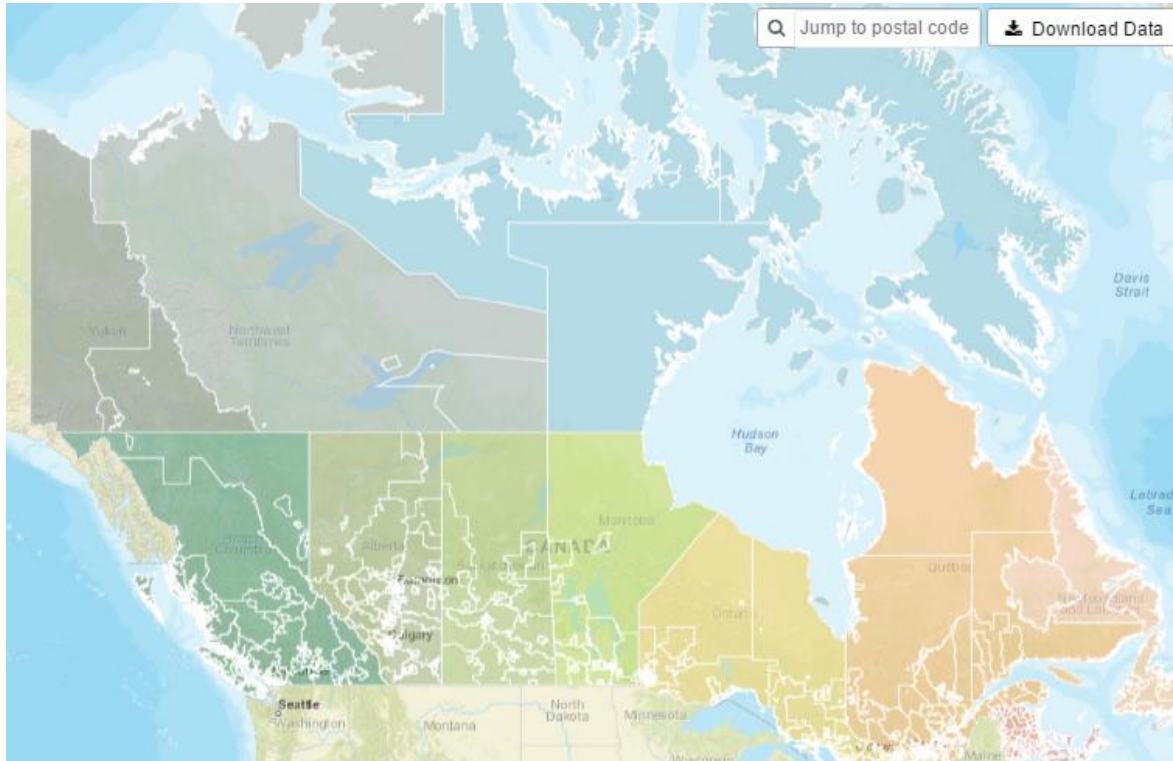


C-NRPP/PNCR-C

Canadian Radon Measurement Database Project



Canadian Radon Measurement Database Project



- Project to pool Canadian Radon Measurement Data
- Contributing members can be part of a committee
- Must be C-NRPP certified device
- We will be requesting the following information:
 - FSA, Forward Service Area (first 3 digits of postal code)
 - Start and End Dates of the radon measurement
 - Pre or Post mitigation data
 - Organization
 - Quality Assurance Measurement
 - Type of Device
- Privacy will be protected, data will not be available publicly

<http://c-nrpp.ca/radon-map/>

Sponsored by a grant from CAREX.





Purpose of Project

The Project would collect information on indoor radon levels across Canada, with enough variables to be able to ensure a level of quality of the data, but protect homeowner/building-owner privacy.

Radon measurement data provided will be combined with other participant data to create a cross-Canada indoor radon measurement database.



Process:

We would like all organizations who are collecting radon measurement data in Canada to be able to share their information with a common database.

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Protecting Privacy:

We will be requesting the following information:

- FSA, Forward Service Area (first 3 Characters of postal code)
- Start and End Dates of the radon measurement
- Pre or Post mitigation data
- Organization
- Quality Assurance Measurement
- Type of Device

C-NRPP will store the information in such a way to protect the data and ensure that the database which is made available to share, will not violate the privacy of an individual homeowner or building owner.



Logistics of Uploading the Data

Organizations can upload only, any changes to past uploads or information uploaded by other organizations would not be editable by participant organizations, however could be made, if needed by C-NRPP.



Logistics of Uploading the Data

Online sharing form which allows organizations to upload data securely.



Agreement to share information

By uploading your radon data, you confirm that you have authority as a representative of the organization that have collected data and consent to share data with C-NRPP. In giving my consent, I acknowledge that:

1. I understand that the purpose of this database is to collect information on indoor radon levels. The information I provide will be combined with other participant data in order for CARST/C-NRPP and other participating organizations to analyze trends in the data and to provide information to policy makers and the public to assist in the ability to make appropriate public policy or personal health decisions.
2. When the data is publicized it will be averaged by region which is only identified by the first three digits of the postal code. Individual properties or address are not identified. If fewer than 10 data points are available for a region, the region will be marked with a note stating, not enough data available for analysis.
3. C-NRPP will retain the raw data, however C-NRPP will ensure that the data will be stored in a responsible way.
4. Each participating organization will be provided an opportunity to participate on the committee for the database project by appointing a representative to the committee.
5. We request that you upload the data in an excel spreadsheet format including the following information on each radon test conducted:
 - Province
 - Postal Code
 - Test Start Date/Time
 - Test Stop Date/Time
 - Exposure Time/Days
 - Test Results (in Bq/m3)
 - Location with in home, Eg. Basement/Mainfloor (optional)

Upload your data as an excel spreadsheet. *

Contact Name *

First Name Last Name

Email *

example@example.com
example@example.com

Do you want to include your company's logo?

Click that you agree to the above sharing agreement. *

I agree.



Measurement Duration

For information, if required. The current definition of measurements would apply to the data.

Long Term Radon Test – is a radon test which is of duration of 90 days or longer

- Typical devices for Long Term Radon Test are alpha track and electret ion
- (confirm with the manufacture of each device)

Short Term Radon Test – is a radon test which is of duration of at least 48 hours but less than 3 months

- Typical devices for short term radon tests are continuous radon monitors (CRM), Electret Ion (ES), charcoal canisters, liquid scintillation or alpha track
- (confirm with the manufacture of each device)

C-NRPP Listed devices: <http://c-nrpp.ca/approved-radon-measurement-devices/>



Device Types Included

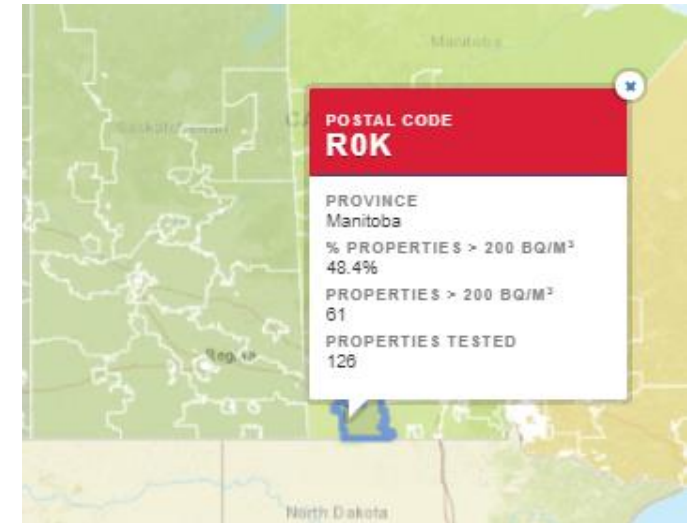
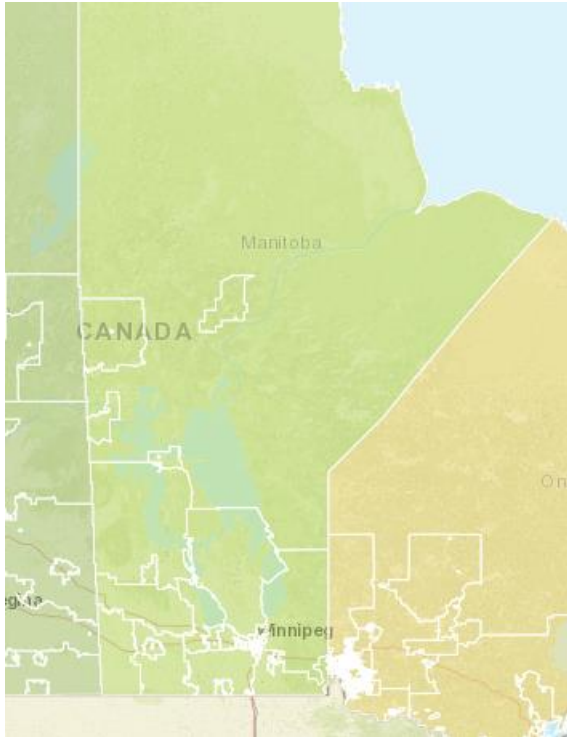
- **AT – Alpha track detectors**
- **EL – Electret Ion Chambers**

Unless the Canadian Radon Measurement Database Project Committee eventually determines something different, the above database would be limited to devices included on the C-NRPP List of Devices and those devices which are analyzed by a C-NRPP Analytical Lab.

<http://c-nrpp.ca/approved-radon-measurement-devices/>



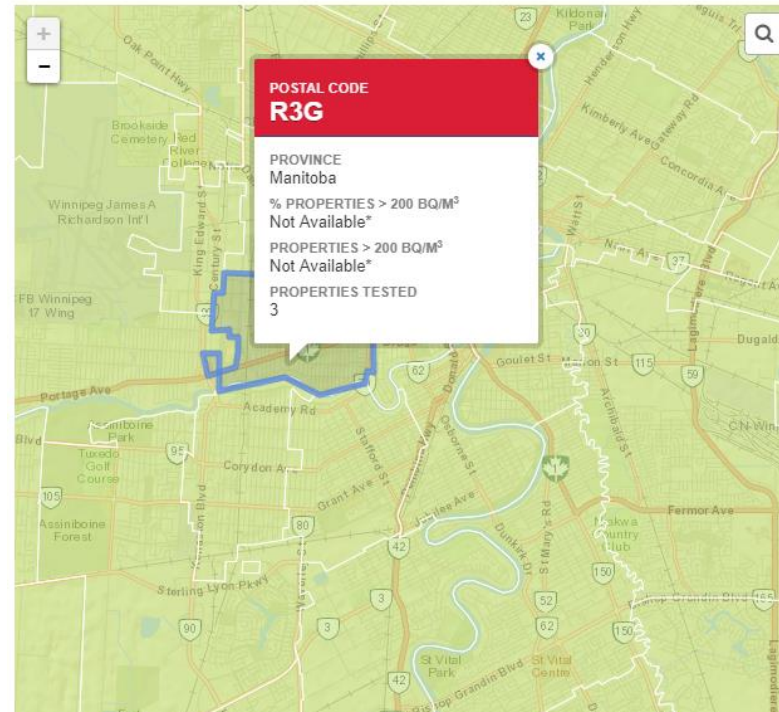
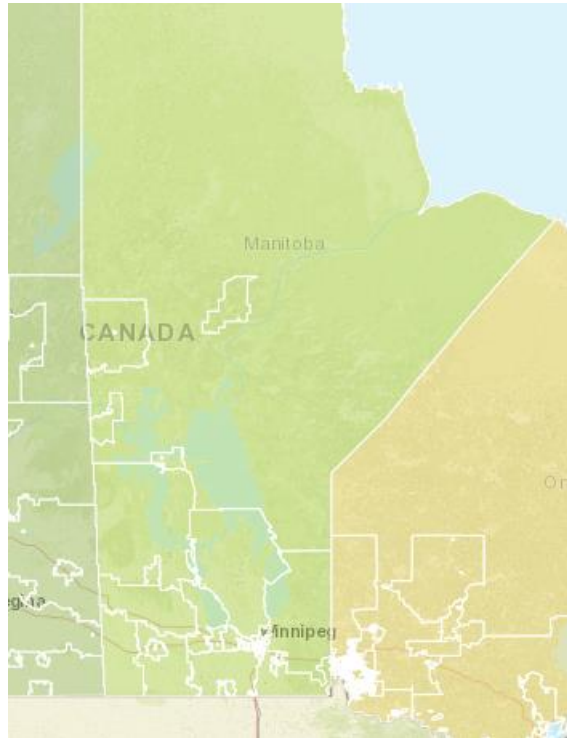
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Currently based on Health Canada's Cross-Country Survey
Example of what the map interface of the database would provide.



Canadian Radon Measurement Database Project



Example of when too few data points are available.



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CHALLENGES:

- Engaging with the data owners
- Ensuring consistent data collection points
- Verifying data integrity



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Thank you.

Pam Warkentin,
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