

Ottawa Repeaters

This is our repeater registry. Feel free to add as much information as you wish for your own builds.

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Aylmer Qc

Repeaters in Aymler, Gatineau (Québec)

Shawn-R1

Shawn's personal Meshcore repeater

Located not far from home...

This repeater is one of Aylmer's first always connected repeater, it is a rooftop repeater near Parc du Renard consisting of a Heltec V4 connected to a Canadian Wireless Supply 5.8 dBi (50cm) fiberglass antenna on a short RG223 cable.

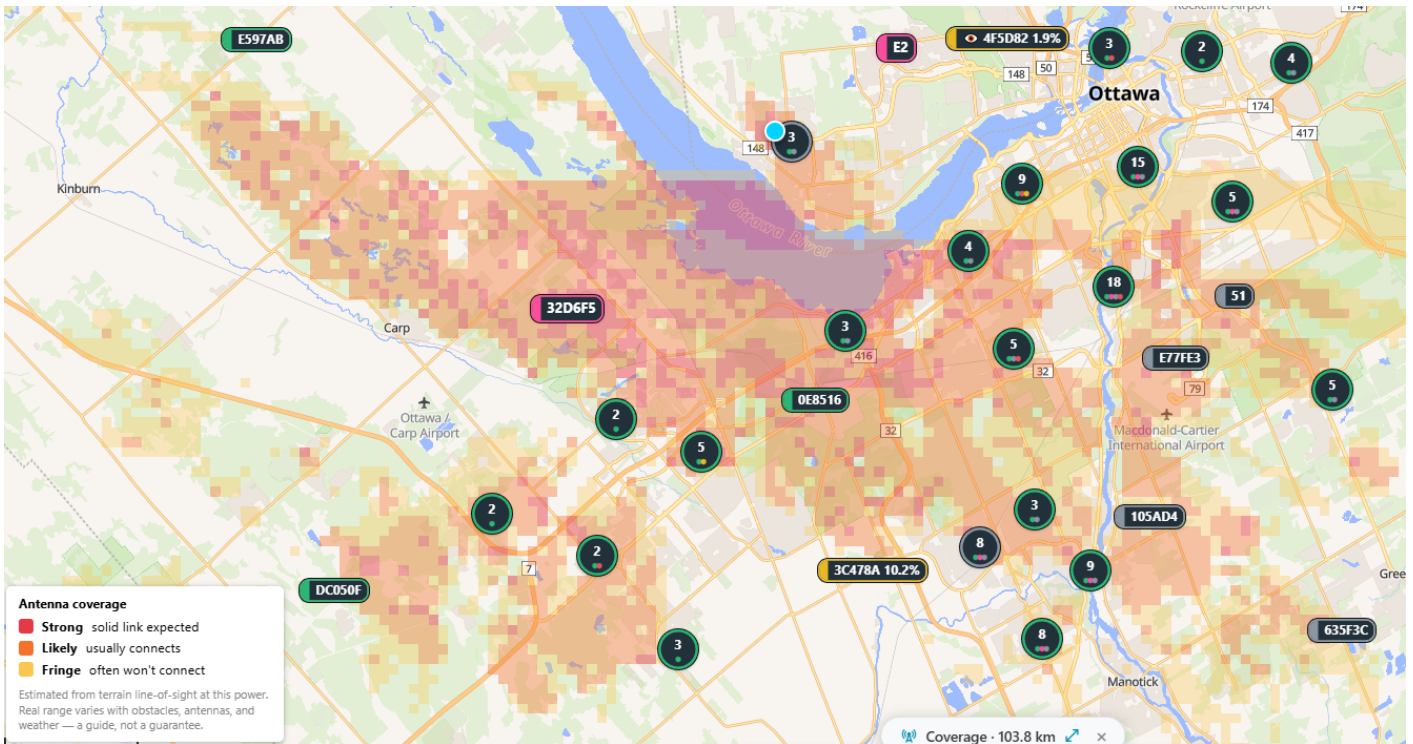
Amazon links:

- <https://www.amazon.ca/dp/B0FY1F9MN7>
 - <https://www.amazon.ca/dp/B0BSYKSS22>
-

Ubiquiti Airmax

This node also contains a Ubiquiti Airmax NanoStation AC (LOCO5AC) 13dBi 5GHz high speed IP link ready to mesh.

See coverage map and contact info below.



Contact: Shawn <https://meshcore.wiki.gd/books/people/page/shawn>

Carp, ON

Repeaters in Carp, Ottawa (Ontario)

Carp, ON

CBC-Archives-R2

At the CBC National Archives building

...And National Warehouse

Location: 2415 Richardson Side Rd, Carp, ON K0A 1L0

Type: Rooftop solar (Shawn's Cheap Xiao solar build V1)

Role: Supporting role for Carp ON, has a very direct line of sight with CBC-FORTUNE-R1

Antenna: DIYmall SMA cheap antenna

Height: Roof on top of the second floor

CBC002





Contact: Shawn <https://meshcore.wiki.gd/books/people/page/shawn>

NEIGHBORHOOD, PROVINCE

Left here as an explicit example of what kind of Chapter you could create to put your repeater page in. I suggest you also add your contact/username in the page as owner info.

West Carleton, ON

Repeaters in West Carleton, Ottawa (Ontario)

West Carleton, ON

Constance Bay NW

Birdhouse repeater in an oak tree.

Located in the northwestern corner of the community of Constance bay, near the mouth of Buckham's Bay. <https://yow.meshmapper.net/?repeater=08D3C7%2C45.50505%2C-76.11158&preset=all>

Originally this thing was roof mounted, but it was not high enough, so I used a drone to get a string right up to the top of the tree on my front lawn. It hangs from a paracord, about 75' above ground level.

Designed to look similar to a birdhouse, it is constructed using cedar shingles for the main body, with two opposing solar panels (6 watts each) which make the roof. Inside, all of the electronics are housed in an old screw jar, which is secured using zip ties through holes in the cedar shingles. The solar panels feed a constant current charge board which charges a 3.6v 21.6Wh NiCd sub-c battery pack, which powers a 5v power supply feeding the RAK 1W radio (WisBlock RAK3401 + RAK13302 1W LoRa transceiver module). Coming out of the bottom is a DIYMall 19.5cm 5dBi omni-directional antenna.

Operated by Mike Tunstall, username "rustinmyeye" on the Greater Ottawa Mesh Radio Enthusiasts Matrix/Discord bridge. Meshcore contact:

meshcore://1100bfa75fe6550929ab20675d2a0d5a0657dd176d18d48b4c367de9731dab96a2afd069c06a89d46e1efbd5dfb5267c08ced890470d1a0d71bdaf72a0754fd98e9bdc511cfeb00350872c07c3031c0d5cb5344a94280d58ce7d9129f52e5ad520ca3838b0f91535bb6023fa276fb72757374696e6d79657965

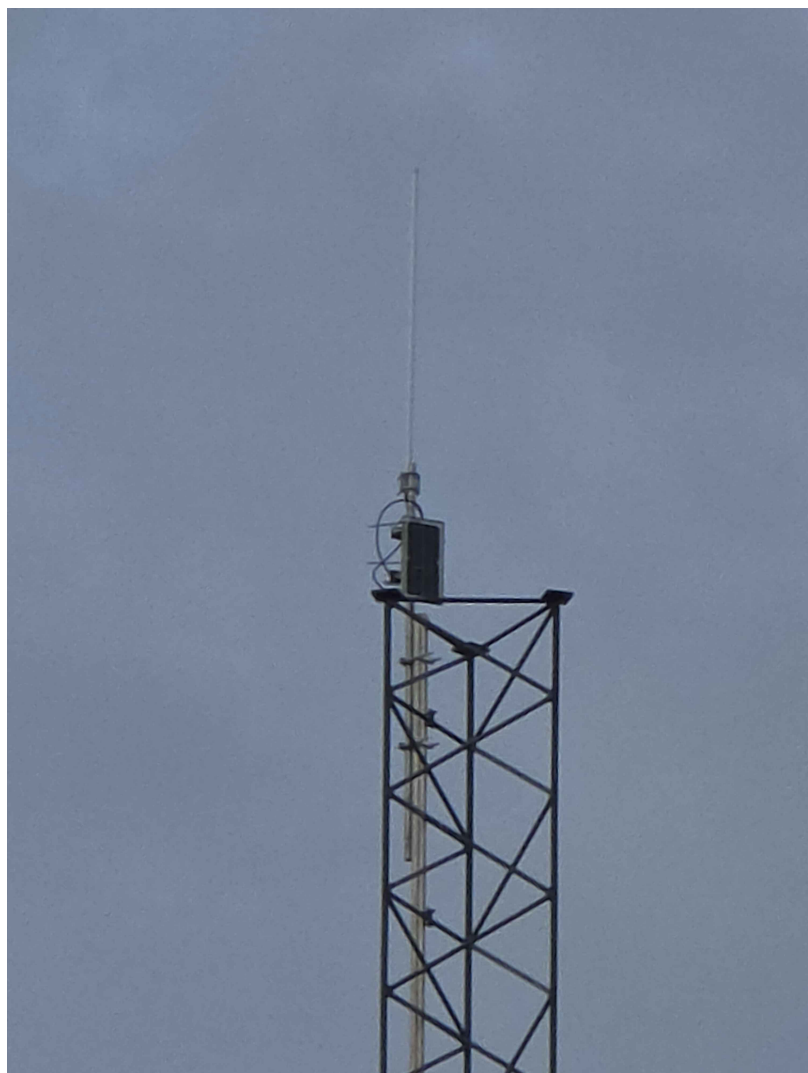




West Carleton, ON

8120 Fallowfield Rd (Jockbrae)





West Carleton, ON

CBCC

CBCC is a solar repeater hanging in a tree beside the Constance Bay community center.

<https://yow.meshmapper.net/?repeater=09C520%2C45.49902%2C-76.09077&preset=all>

The goal of this repeater was to bring reliable MeshCore communication to the community center and surrounding trails in the Torbolton forest. Although it does work, it remains quite unreliable, and will need to be relocated again (its been moved around a fair bit).

This repeater is built using an off the shelf solar panel/battery pack combo designed for trail cams. Inside, there is enough room for the RAK 4631 radio, and an N-type connector for a Slinkdsco "alfa clone" dipole antenna. It hangs from a tree using some paracord and a repurposed hook as the hanging eye.

Operated by Mike Tunstall, username "rustinmyeye" on the Greater Ottawa Mesh Radio Enthusiasts Matrix/Discord bridge. Meshcore contact:

<meshcore://1100bfa75fe6550929ab20675d2a0d5a0657dd176d18d48b4c367de9731dab96a2afd069c06a89d46e1efbd5dfb5267c08ced890470d1a0d71bdaf72a0754fd98e9bdc511cfef00350872c07c3031c0d5cb5344a94280d58ce7d9129f52e5ad520ca3838b0f91535bb6023fa276fb72757374696e6d79657965>

