

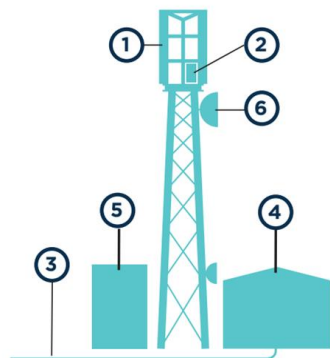


Shared Rural Network Scotland

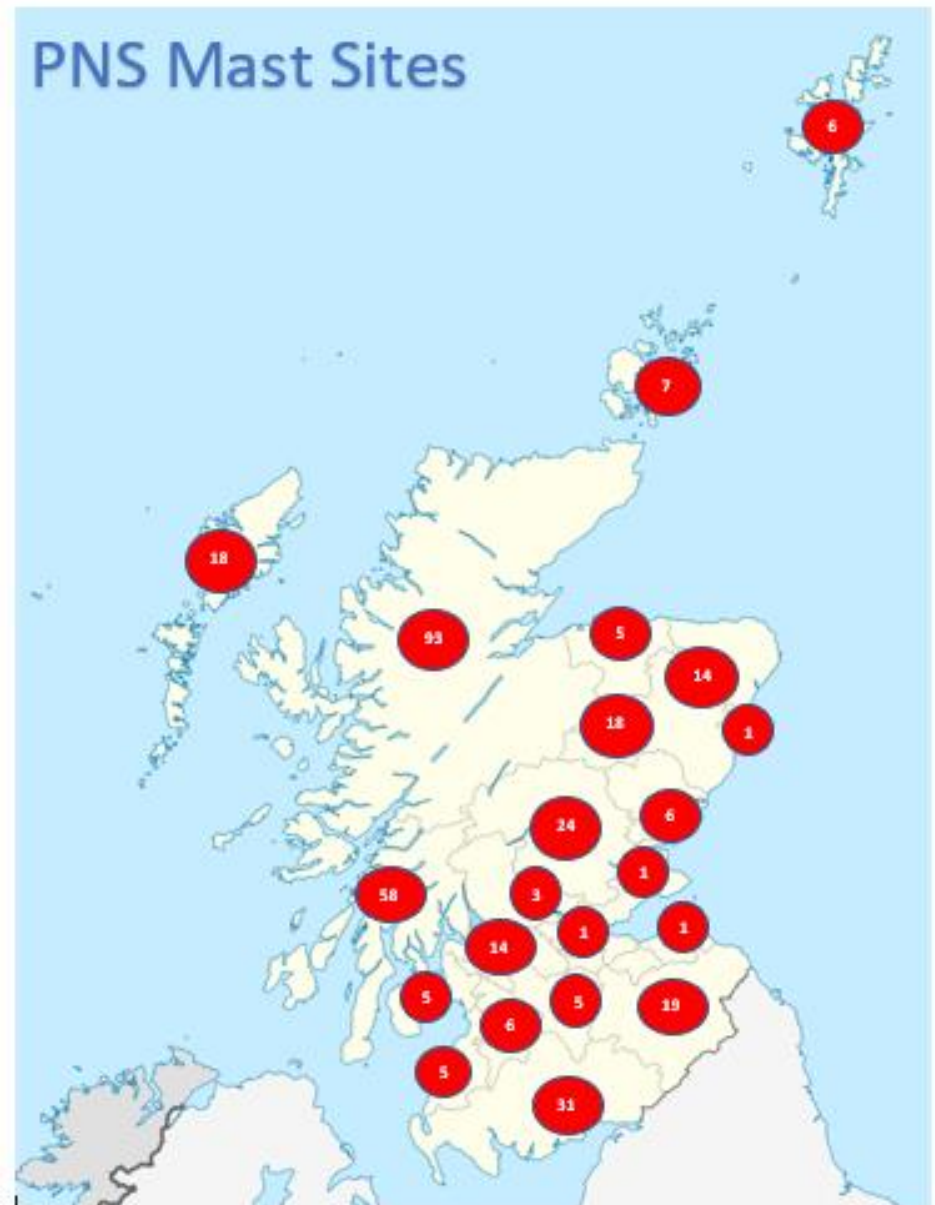
30/10/2023

Scotland

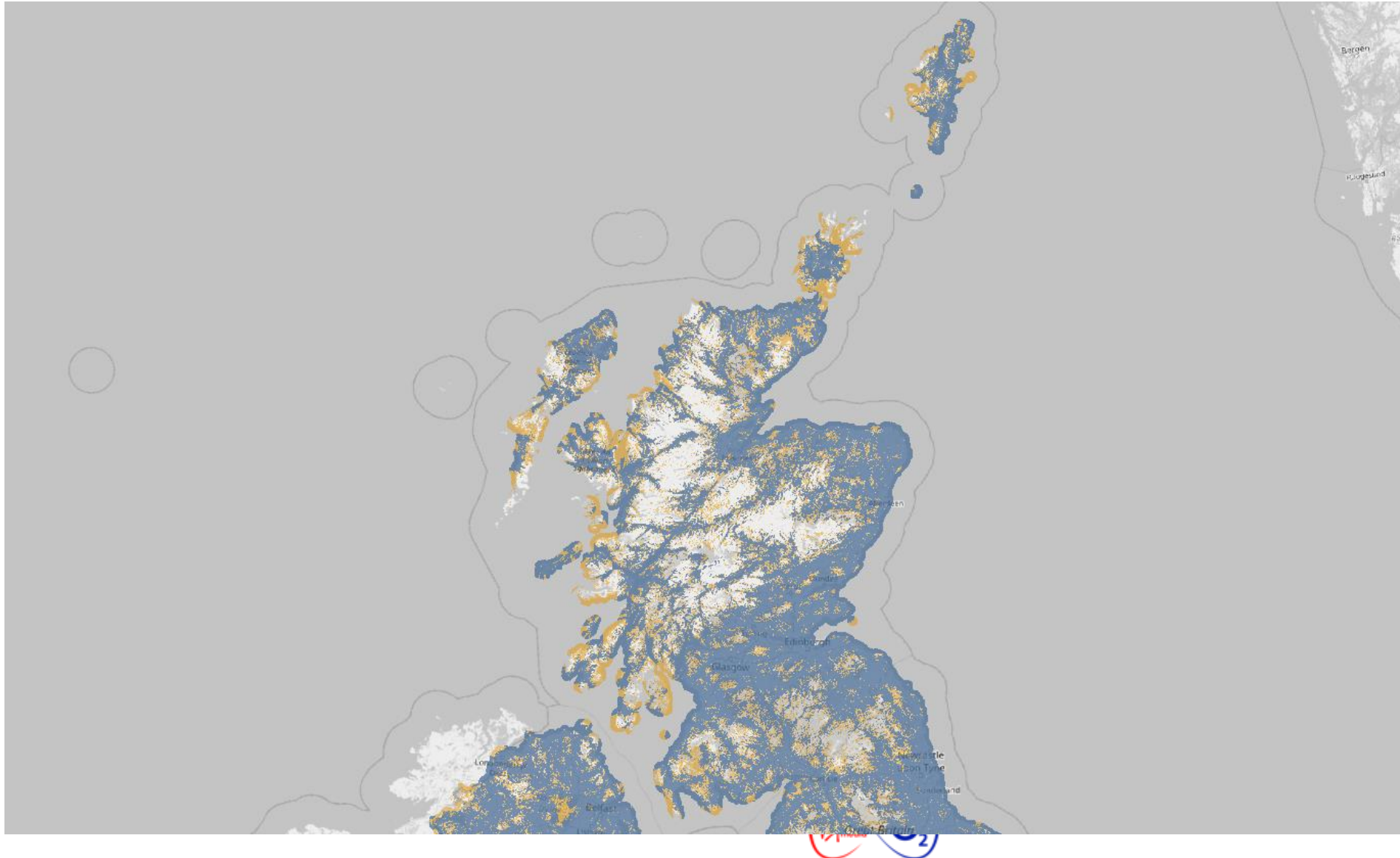
Where are the masts?



- 1 Antennas** - Transmit and receive calls, texts and data to and from your mobile phone via radio waves.
- 2 Radio Unit** - Generates the radio waves transmitted by the antennas.
- 3 Transmission/Backhaul** - Connection back to the mobile operator's network.
- 4 Cabinets** - Contains computers that communicate with other masts. May also contain backup battery power.
- 5 Power** - Provides electrical power to the telecommunications equipment.
- 6 Microwave Dish** - Connection back to the mobile operator's network where no fixed/cable backhaul available.



4G 800MHz live coverage



Shared Rural Network (SRN)

**Delivers
95% 4G
Coverage**

**74%
National
Park
Coverage**

**84% UK
Coverage
From All
Four UK
MNOs**

**280,000
Premises**

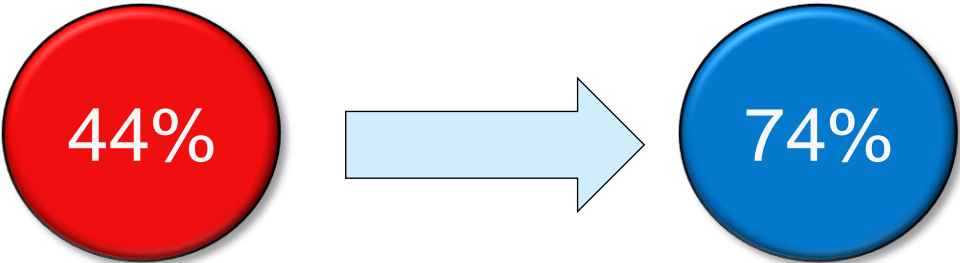
**79%
AONB
Coverage**

**16,000km
More UK
Road
Coverage**

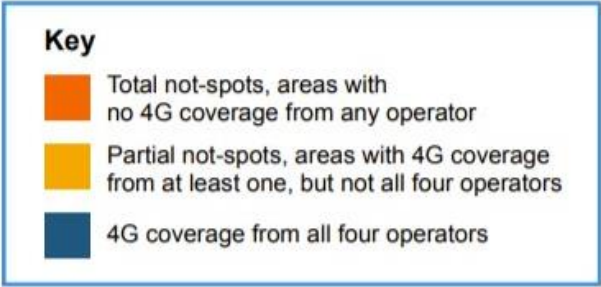
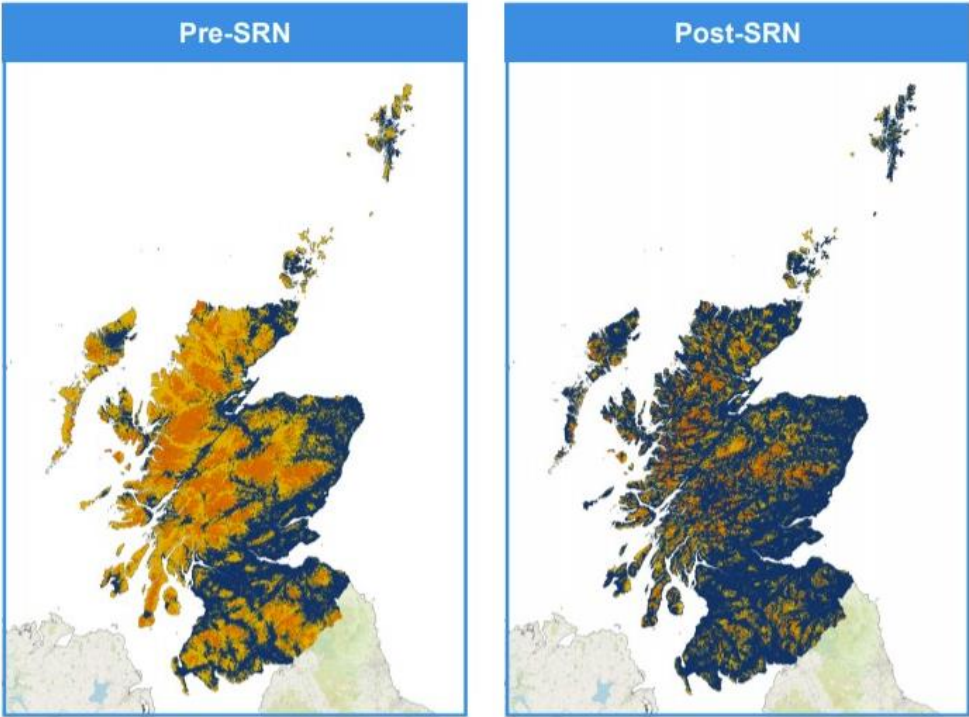
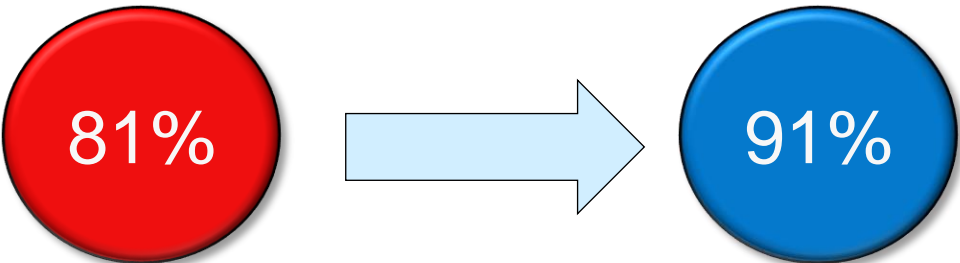


SRN Coverage Forecast Improvements

All Four Operators



At Least One Operator



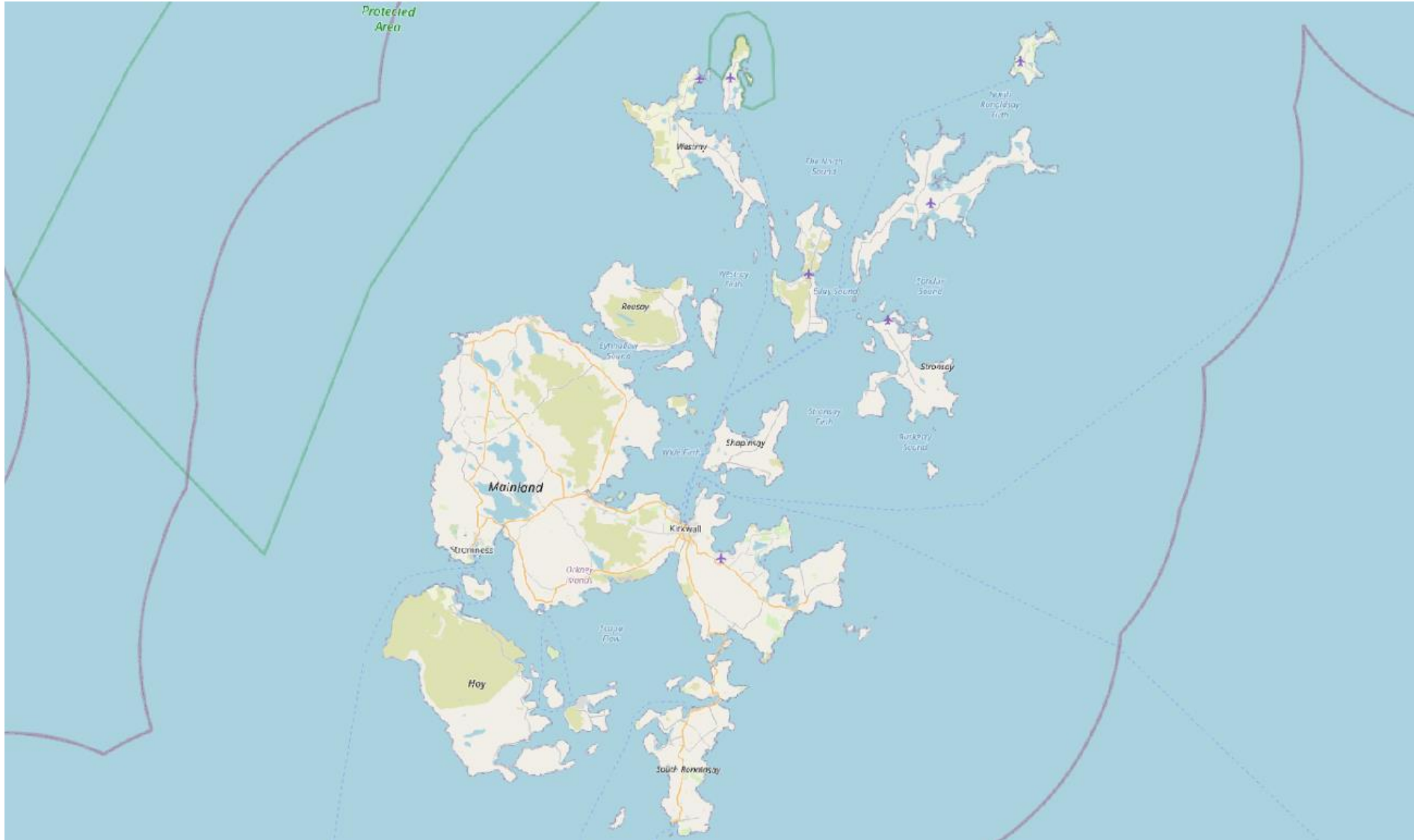
SRN timeline



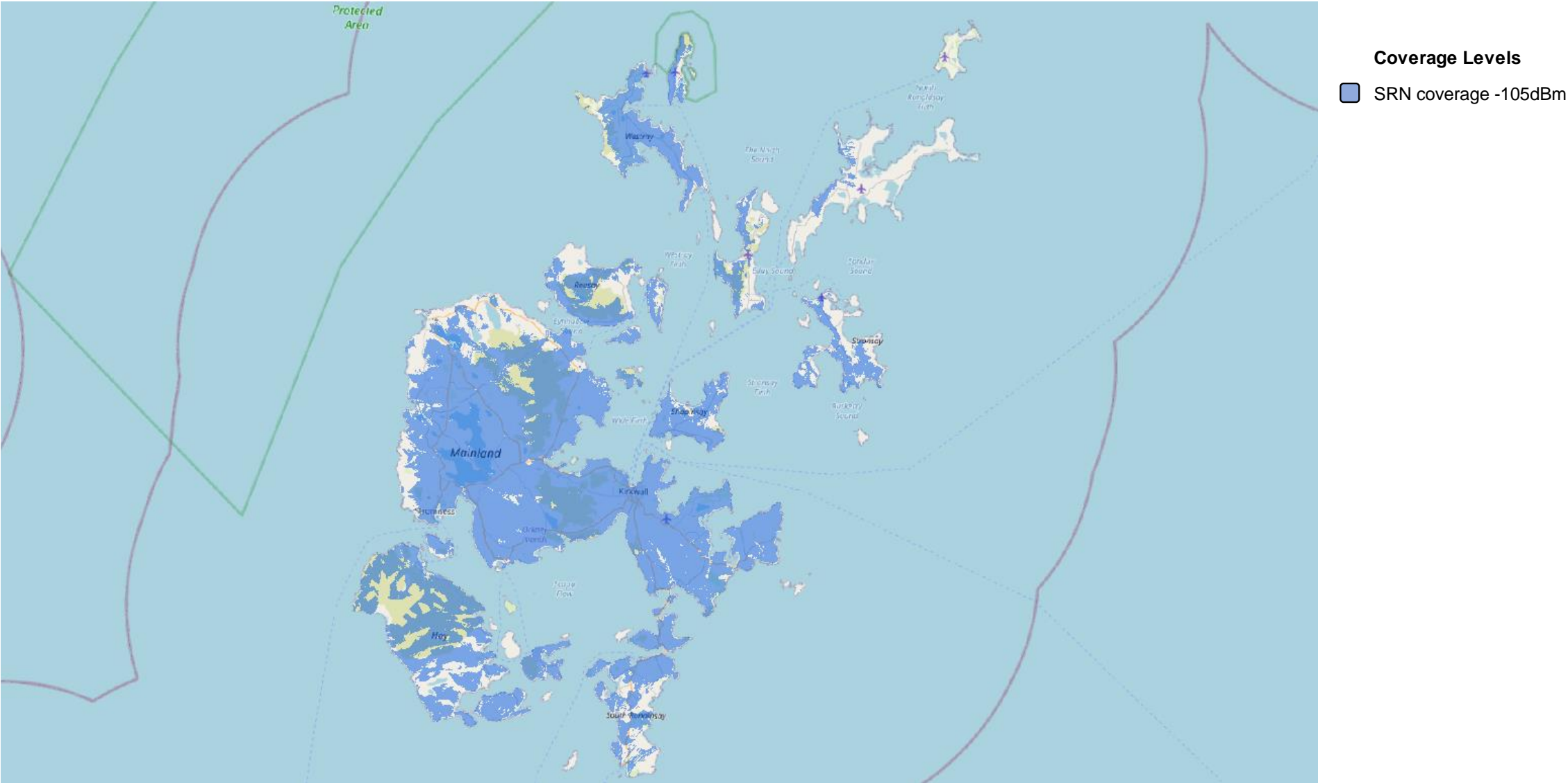
SRN coverage plans in Orkney



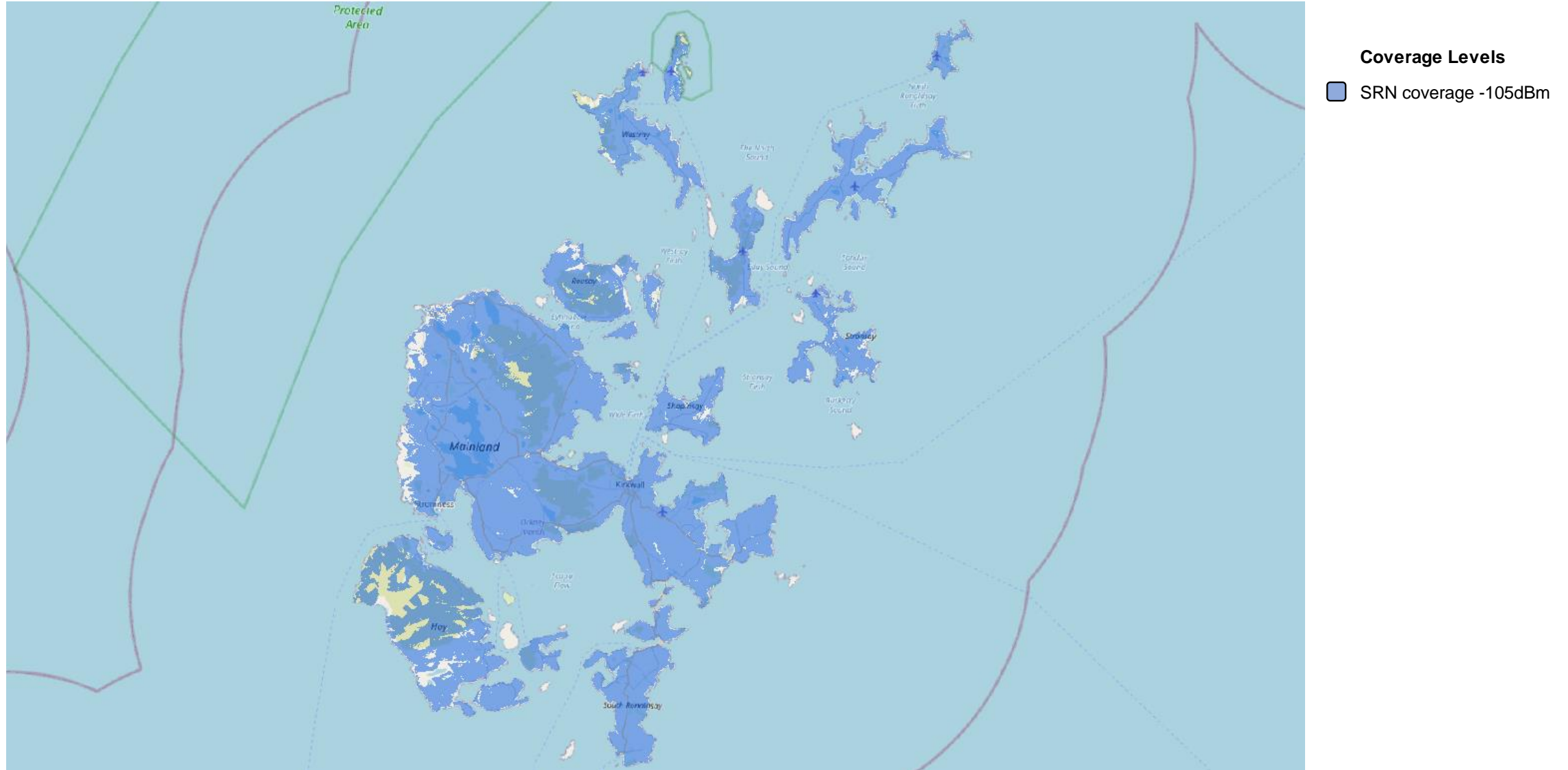
OpenStreetMap



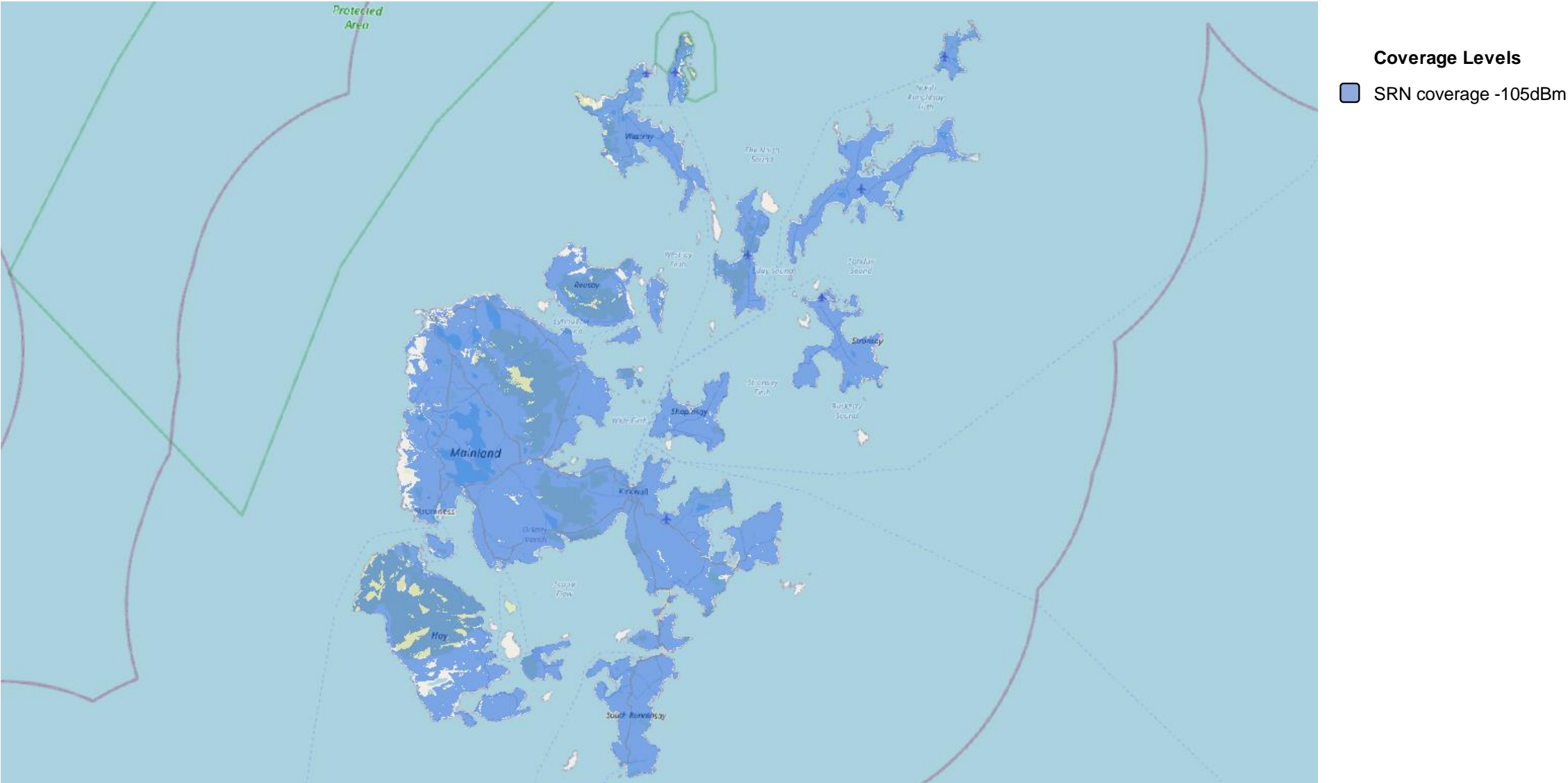
4G live coverage



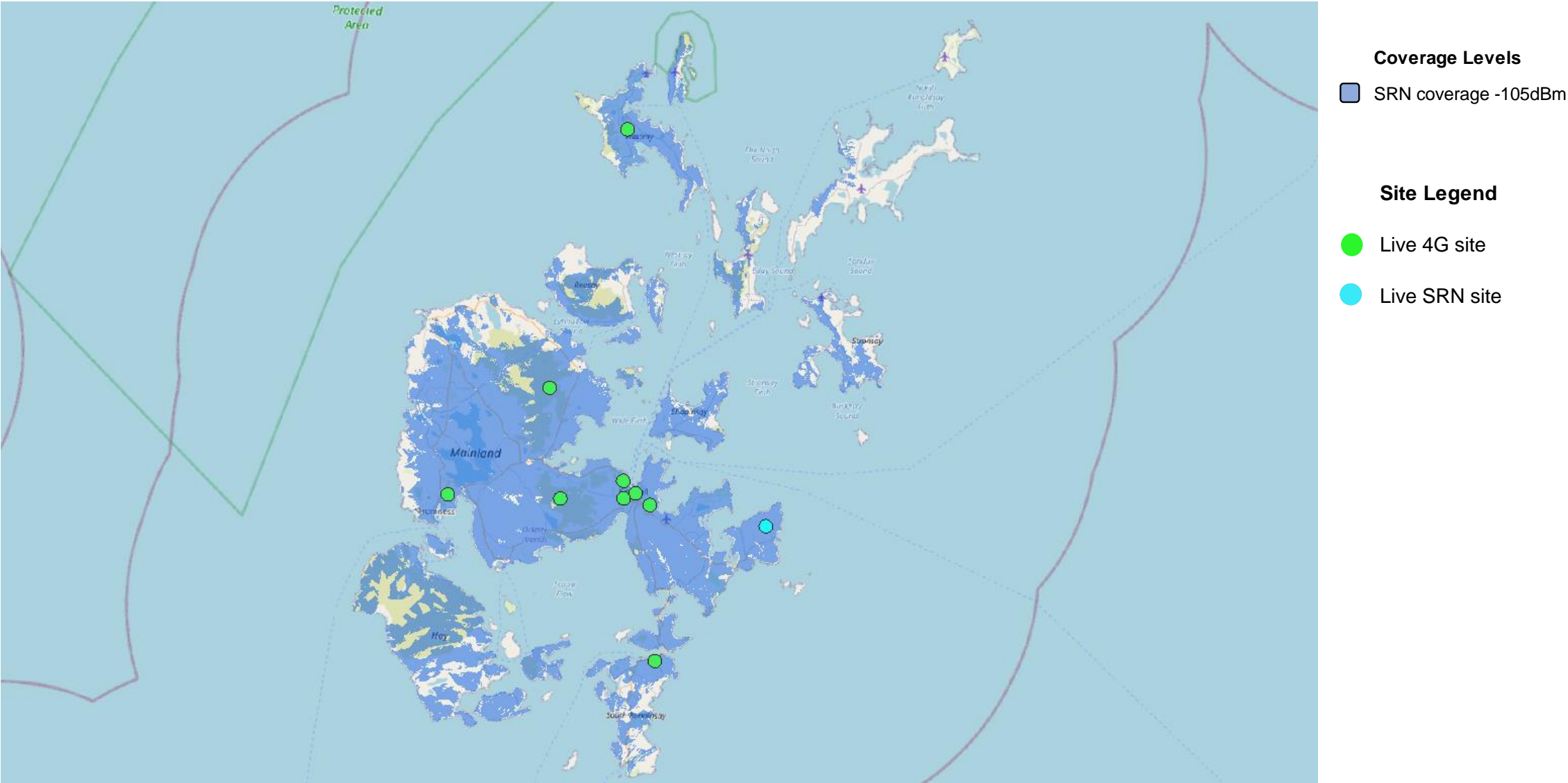
4G coverage forecast June 2024



4G coverage forecast 2027




4G live coverage



The map displays the Shetland Islands with various geographical features labeled, including Mainland, Hoy, and the Shetland Sound. Colored dots represent the distribution of 12 bird species. A legend in the top right corner identifies the species and their corresponding colors:

- Red: Red-throated Loon
- Yellow: Yellow-bellied Sapsucker
- Green: Green-winged Teal
- Blue: Blue-winged Teal
- Orange: Orange-bellied Sapsucker
- Purple: Purple-throated Loon

 SRN coverage -105dBm

- Live 4G site
- Live SRN site
- Planned PNS site

4G coverage forecast 2027

