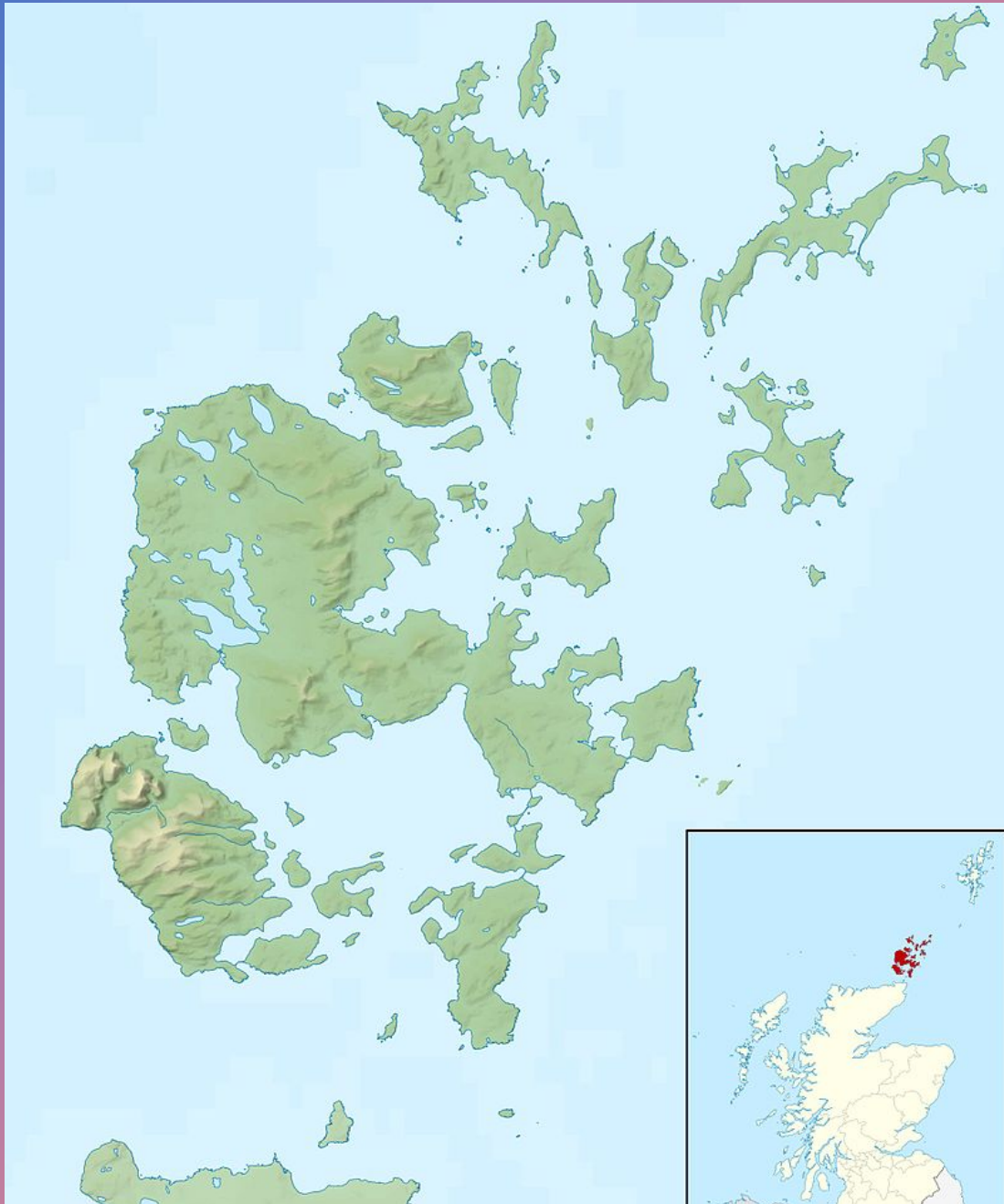


- +
  - • *Connectivity - Future-proofing national digital infrastructure: government and industry working together to build Scotland's fifth public utility.*



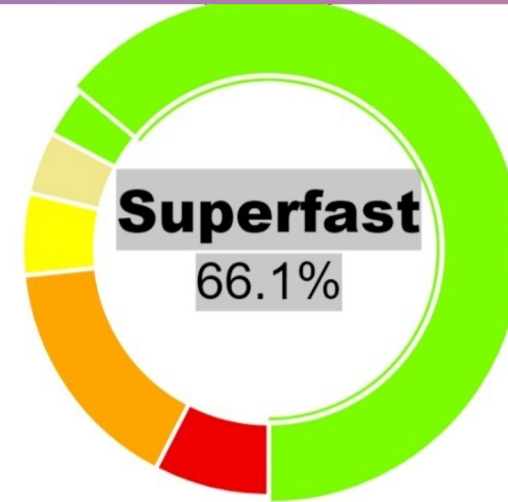


# Key stats

- Population 22,500
- 70 islands, 16 inhabited
- Approx. 11,500 dwellings
- Over 200,000 visitors per year including 200+ cruise liners



# Orkney's broadband coverage and speeds

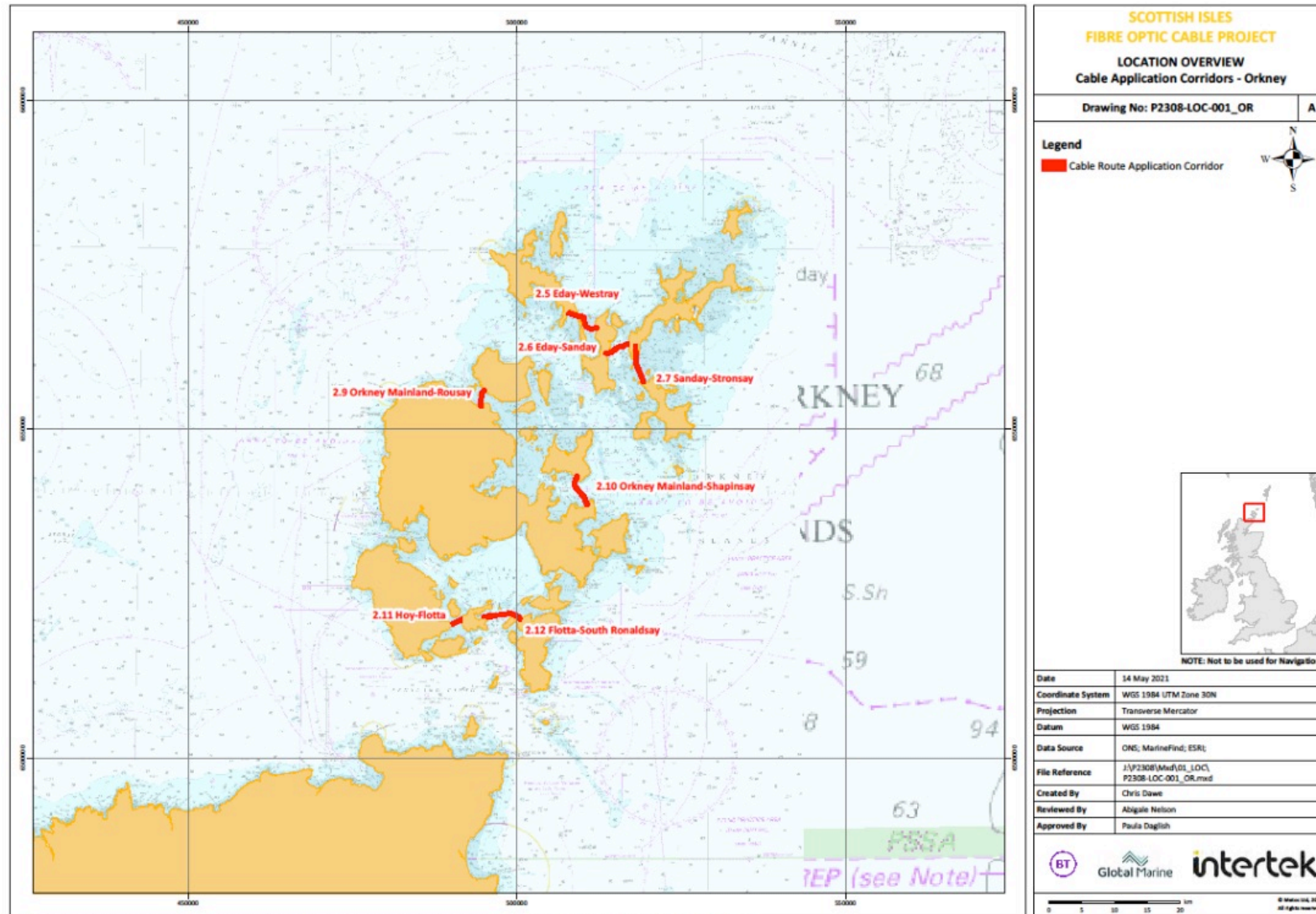


Superfast (>24 Mbps):	68.72%	Below 2 Mbps down:	7.16%
Superfast (>=30 Mbps):	66.07%	Below 10 Mbps down: (Legal USO)	22.81%
Gigabit (DOCSIS 3.1 or FTTP):	2.10%	Below 10 Mbps, 1.2 Mbps up:	25.95%
Full Fibre (FTTP or FTTH):	2.10%	Below 15 Mbps: (High Speed Broadband)	27.72%
Alt Net FTTP: FTTP excluding Openreach, KCOM and Virgin Media RFOG	0.00%	Ultrafast (>100 Mbps):	2.10%
Openreach FTTP:	2.10%	Virgin Media Cable:	0.00%
'Fibre' partial/full at any speed: (FTTC/VDSL/G.fast/Cable/FTTP)	83.67%	Openreach (>30 Mbps):	66.07%
		Openreach G.fast:	0.00%

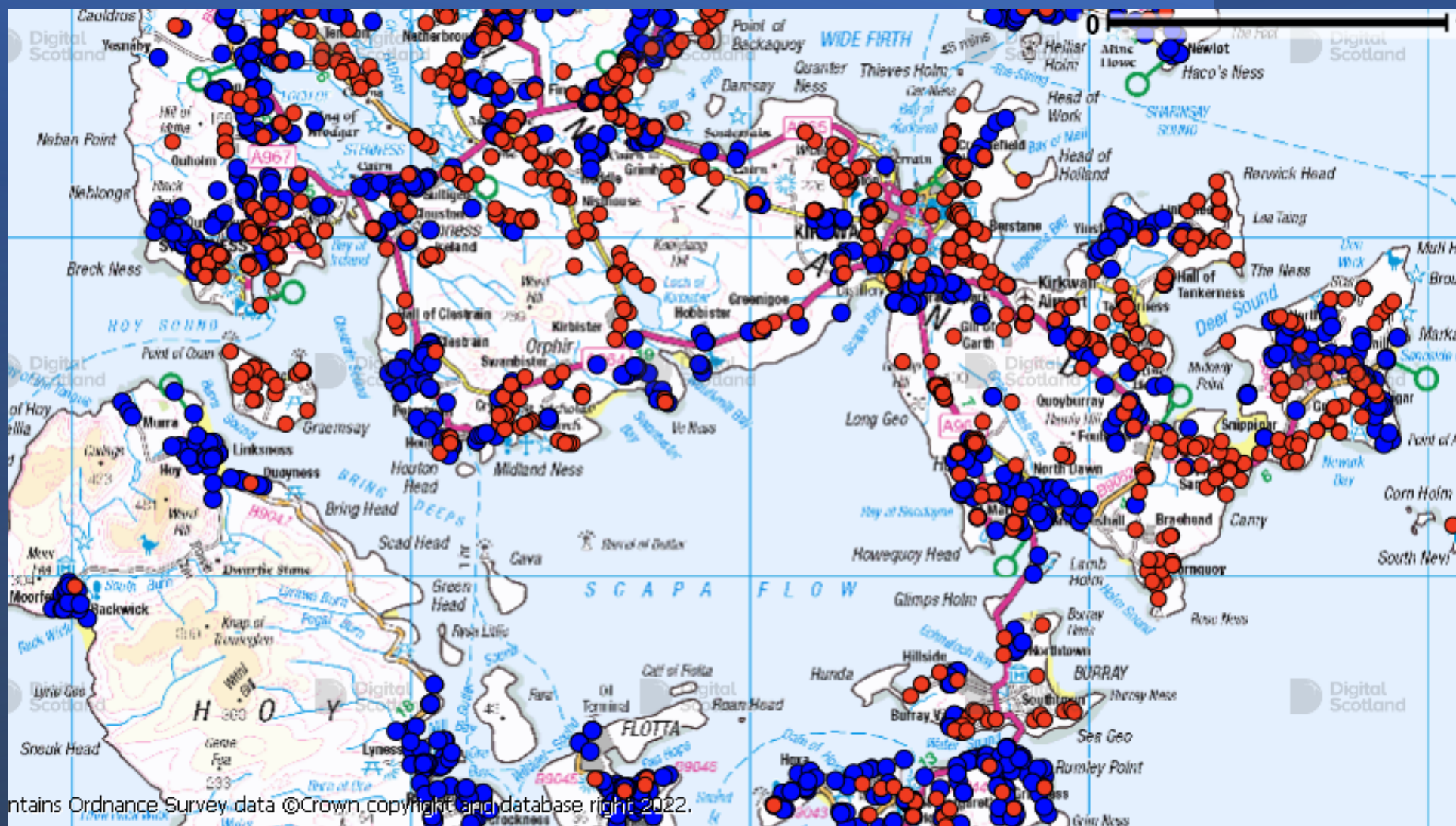
# Digital connectivity

- We have the worst broadband in the UK for speed and coverage
- Poor mobile phone and 4G coverage
- The problem is heightened in our outer islands
- A recent survey showed that only 35% of outer island residents agree that their internet connection at home is reliable and only 27% have a good mobile signal at home.

# Investment in backhaul



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# A digital strategy for Orkney

- R100/Openreach will be delivering superfast and gigabit connectivity however the programme has been extended til 2028 – a 6 year wait for some.
- The Council itself has very limited fibre connecting its own properties – we could act as a catalyst
- There a technical solution that meets the needs of both the public sector and wider community, a hybrid approach to delivering a gigabit capable network using a combination of full fibre to local hubs, and gigabit capable wireless FWA or fibre from local hubs to end user premises.
- Over 1000 properties spread throughout Orkney will be reliant on a voucher to improve broadband services
- This requires an ISP to be willing/confident enough to invest in a solution



# Council's aims and ambitions

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- Our current ambition is to facilitate full coverage of gigabit capable broadband and 4G mobile coverage in Orkney
- Our agreed approach is to facilitate telecoms infrastructure investment and stimulate market demand, rather than taking a role as a telecoms operator
- The Orkney digital strategy and action plan aims to:
  - maximise the impact of the R100 voucher scheme to our residents and businesses through proactive advertising and advice
  - apply for funding to establish fibre connectivity between our most remote public sector buildings
  - make our assets available to support affordable community connectivity
  - continue to lobby to overcome Government(s) policy failures and regulatory hurdles

# Challenges

Voucher values  
and their “user  
friendliness”

Backhaul access  
and charges

Seeking premises  
rather than  
postcode level  
eligibility

Lack of clarity on  
support for very  
hard to reach  
areas.