

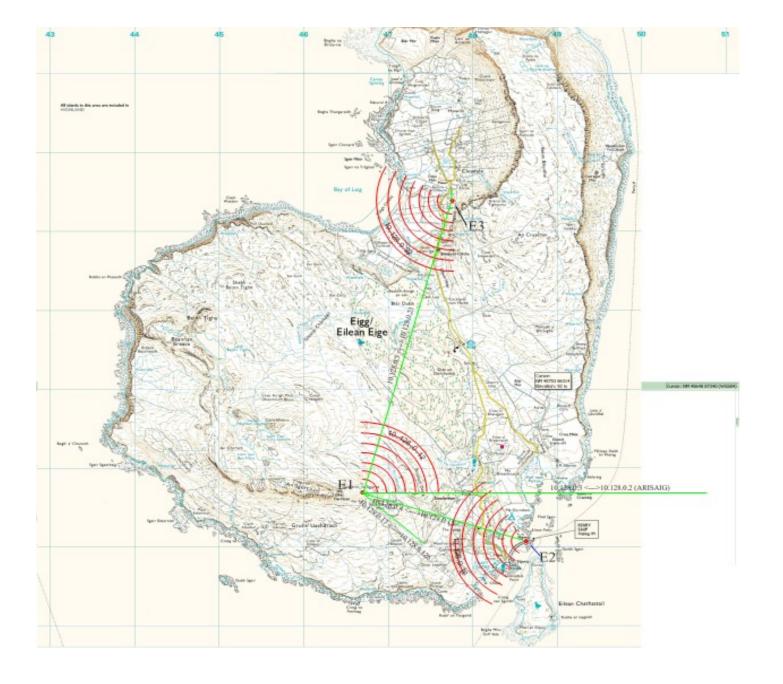
HebNet CIC

Fast, reliable and economic broadband for the Small Isles & Knoydart

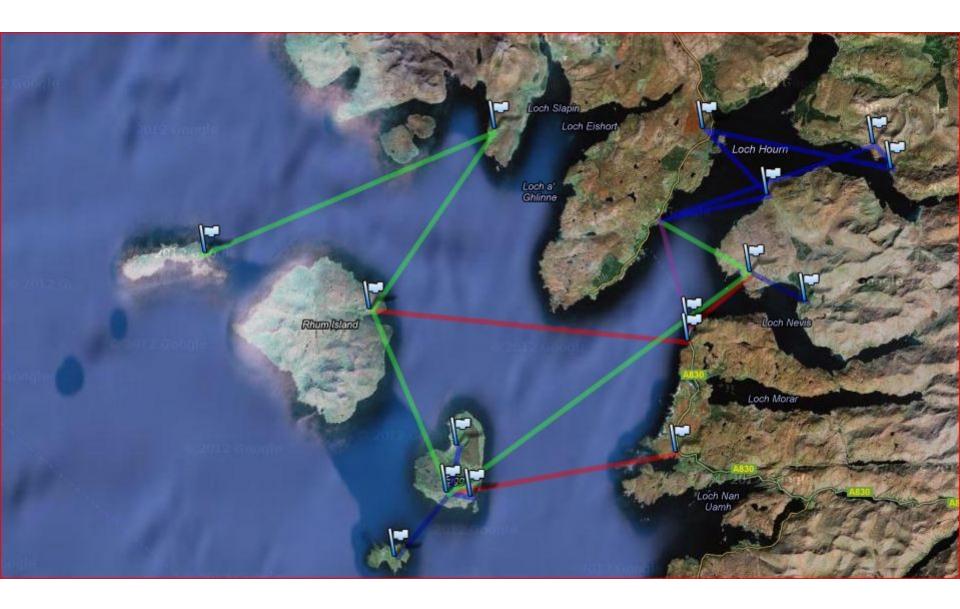














SCHEMATIC LAYOUT OF NETWORK COVERAGE, EIGG AND MUCK MUCK SCHOOL Internet via M104 Ewen & Judy M105 Toby & Mary **ARISAIG** 10.128.0.39 20 dBi 17 dBi Nano M5 Nano M5 Nano M5 **ADSL Lines** Managed Un-managed 30 dBi 25 dBi Church Tower Switch Rocket M5 NanoBridge M5 Sector Sector AP mode Station 10.128.0.2 Switch 10.128.0.40 213.123.199.232 SSID: Tegola-Eigg All relay equipment in Bridge mode, network submask 255.255.0.0 Cisco 2911 81.136.167.146 CPE IP addresses: WLAN: (Eigg) E*** = 10.128.0.***, (Muck) M*** = 10.128.1.*** LAN: 192.168.128.1/24, DHCP range 192.168.128.100 to .254 10.128.0.1 10.128.0.50 MUCK PORT MOR 81.133.1.132 M107 Mark & Molly EIGG SGURR MAST M108 Craftshop M110 Sandra Mathers 10.128.0.6 10.128.0.3 E110.128.0.37 M111 Dave & Libby 10 128 0 36 SSID: Mu1/PortMor M112 Len & Rhoda 10.128.0.38 • Soekris net5501 2 x NetGear GS110TP SSID: Mu1/Godag 10.128.0.51 10.13.130.132/29 10.128.0.13 vr3 10.128.0.9 .130 vr1 M106 Julie McFadzear SSID: E1/Gallanach KNOYDART .57 vr0 Creagan Dearga 10.128.0.52 10.128.0.12 10.11.0.59/29 SSID: E1/Cleadale Internet via SMO 10.13.130.131/29 M101 Colin & Ruth M102 Lawrence & Jenny SSID: Knoydart-Eigg 10.128.0.4 SSID: E1/E2 10.128.0.17 GLEBE BARN M103 Gareth & Zoe SSID: E1/GalmHouse 10.128.0.30 10.128.0.59 10.128.0.31 SSID: Glebe/Exchange E143 Eigg Electric (1) LOCH HOURN Coilie Mhialairigh E126 John & Christine **RUM** 10.128.0.20 Internet via SMO 10.11.0.58/29 Link to network on Rum, **CUAGACH MAST** and Canna via Elgol CHURCH PARK 10.128.0.21 10.128.0.62 SSID: ChurchPk/Church 10.128.0.19 10.128.0.60 E127 John Chester SSID: Eigg-Rum E142 Brian & Shirley 10.128.0.22 SSID: E3/Cuagach 10.128.0.61 SSID: ChurchPk/School 10.128.0.23 **GAMEKEEPERS** 10.128.0.15 SSID: E3/Cleadale 10.128.0.18 10.128.0.28 EIGG PIER MAST. SSID: E2/Mill 10.128.0.29 E145 Hilda Ibrahim SSID: Gamekeep/Lodge E2 HOWLIN 10.128.0.16 SSID: E2/Galmisdale E100 Simon & Karen E122 Bob & Nora E135 Berni McCoy AN LAIMHRIG E102 Scruff & Kathleen E103 Donald & Teresa 10.128.0.25 E109 Alastair & Sue SSID: AnLaim/Craigard E132 Jamie & Ailidh 10.128.0.24 E129 Grace Fergusson E141 Johnny & Sarah CLEADALE GALMISDALE E104 Eddie & Lucy E114 Ian Leaver E124 Jenny Robertson CUAGACH & LAIG E105 Ailidh Morrison E115 Alex & Liz E125 Tasha Lancaster E106 Donald & Mairi E116 Colin & Marie E111 Ben & Joe E128 Stuart Fergusson E117 Dean Wiggin E107 Mick & Jackie E130 Steven & Francis E133 Glebe Barn E108 Neil & Sue E118 Brian & Camille E131 Ruaridh & Yasmin E136 Trust Office CRAIGARD E121 Bean & Sheena E110 Iain Mathie E139 Peter & Susanna E137 Eigg Shop E119 George & Saira E123 Damian & Jen E120 Wes & Maggie E112 Gavin & Annabel E140 Richard & Nicky E138 Galmisdale Bay Rest't 10.128.0.33 E113 Eric Weldon E146 John & Sheila E134 John Cormack E149 Justin & Eva 10.128.0.32 E147 Donna McCullough SSID: Craigard/Crows E150 Sandavore Farmhouse E144 Eigg Electric (2)

What impact has HebNet had?

- Given all households decent broadband access (fast, economic & reliable)
- Opened up possibilities for distance learning for adults (e.g. access to UHI!)
- School pupils can log in from home the GLOW project (Scottish schools national intranet) can be accessed
- Local businesses are no longer disadvantaged
- Social networking has become possible
- Local government online services are now available
- Potential for medical care has improved enormously
- A simple model for rural community broadband has been developed that is replicable almost anywhere

What are the benefits of a community network?

- •Ability to set your own pricing connection fee and monthly subscription
- Ability to decide how much bandwidth you receive
- •For support you call a local resident, not a call centre
- More money stays in the local economy
- Opens up job opportunities and home based employment
- •New revenue streams can be generated from local wi-fi 'hot-spots' that visitors can access, after making a small payment to log into the network
- •Backhaul can be purchased on a commercial scale not possible for individuals

How could Scottish Government help in establishing more community networks?

- Set up a dedicated fund.
- Require the operators of communication masts (BT etc) to allow affordable access by local communities for their own small antennae.