

CARES Monthly Meeting



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Clackamas County

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March-2026

CARES Monthly Meeting

Technology:

- Join the "ClackamasARES" group in groups.io
 - ClackamasARES@groups.io
 - CAREStech@groups.io
- CARES tech zoom call Tuesdays @ 4pm

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January Total hours: 885

- SET's / Exercises hours: 572
- Training hours: 90
- Other hours: 223

Remember: Time reporting supports federal and state grant money to support “community corp” volunteers – ham radio – us

The time reports go to CCDM and ARRL

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CARES website -- ClackamasARES.org

- **Has been moved to another hosting company**
- **This was a huge amount of work**
- **Let us know if there are any problems :-)**

Shawn AE7SI

Mark AD7EF

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Time reporting

Please report your time to your sub-unit AEC every month hours and minutes (sub-unit AEC's report that time to me)

Should you participate in an event such as a “fun run” or the Teddy Bear Parade ---- please report the time you participated

If it is a weather event, please report

If you only checked in once and were on the air for 10 minutes -- please report the 10 minutes

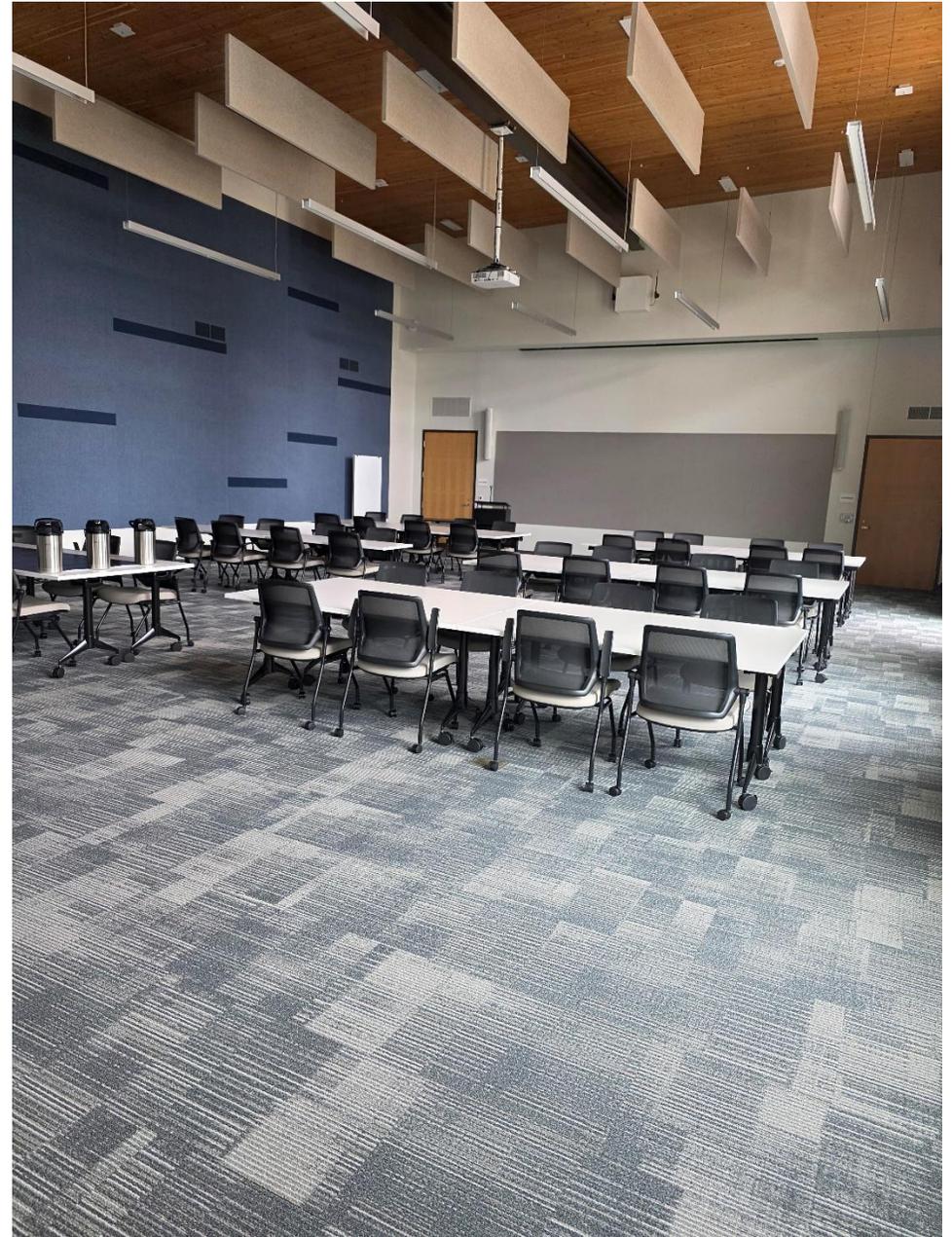
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Please support ARRG arrg.org

ARRG owns and operates the Mt Hood repeater which we use (CLAC 1) and many other repeaters in the area

This is the time of year when they budget for equipment repairs done in the summer months

Molalla PD Community Center – Lonny N7CGI



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- **“Fox hunting”**
- **Radio Direction Finding (DF)**
- **Joe Mohr – KC7ZZX**

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Upcoming exercises:

- **ODART Cascadia Exercise – Sat & Sun 13-14-June**
 - Contact: Arnie – W7CRI AEC West
- **Oregon ARES connectivity exercise – Sat. 16-May**
 - Exercise will focus on VHF to test pathways
 - Participation will include OEM
- **CCDM Full Exercise -- Mount Hood Great Escape**
 - Thursday and Friday, 07-08-May
- **Teddy Bear Parade -- 2026 (please sign up) !**
 - Saturday, 02-May-2025

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Upcoming CARES training:

- **Winlink – Saturday, 14-March-2026**
 - **Clack Fire Station 10 Beaver creek**

- **Next month: DC Power for Hams**
 - **Clack Fire Station 10 Beaver creek**

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Electronic information exchange in an EOC (early info)

The county and cities are very safety conscious and guard their information network structure very well.

If you are called upon to operate in an EOC, electronic information exchange of Winlink messages and document file transfers may take a form like this ---

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Electronic information exchange in an EOC:

Facility:

- **'SFTP' on public Wi-Fi**
- **Google workspace**
- **Box.com**
- **other file-share facility**

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Electronic information exchange in an EOC:

What were building for Clackamas County (not adopted as of today):

CARES <---> CCDM EOC document exchange facility

- **Inbox:** New messages TO the EOC (With message log to acknowledge they have been seen)
- **Outbox:** New messages FROM the EOC to be sent (With message log to show they've been sent)
- **Incident > Files**
 - **Forms**
 - **Pictures**
 - **Maps**

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Questions?

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Recruit Recruit Recruit

We need more CARES members !

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It comes to my attention ----

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Ham radio is a great place to learn:

- **Fundamentals of electronics**
- **Radio communications**
- **And make significant contributions to our communities**

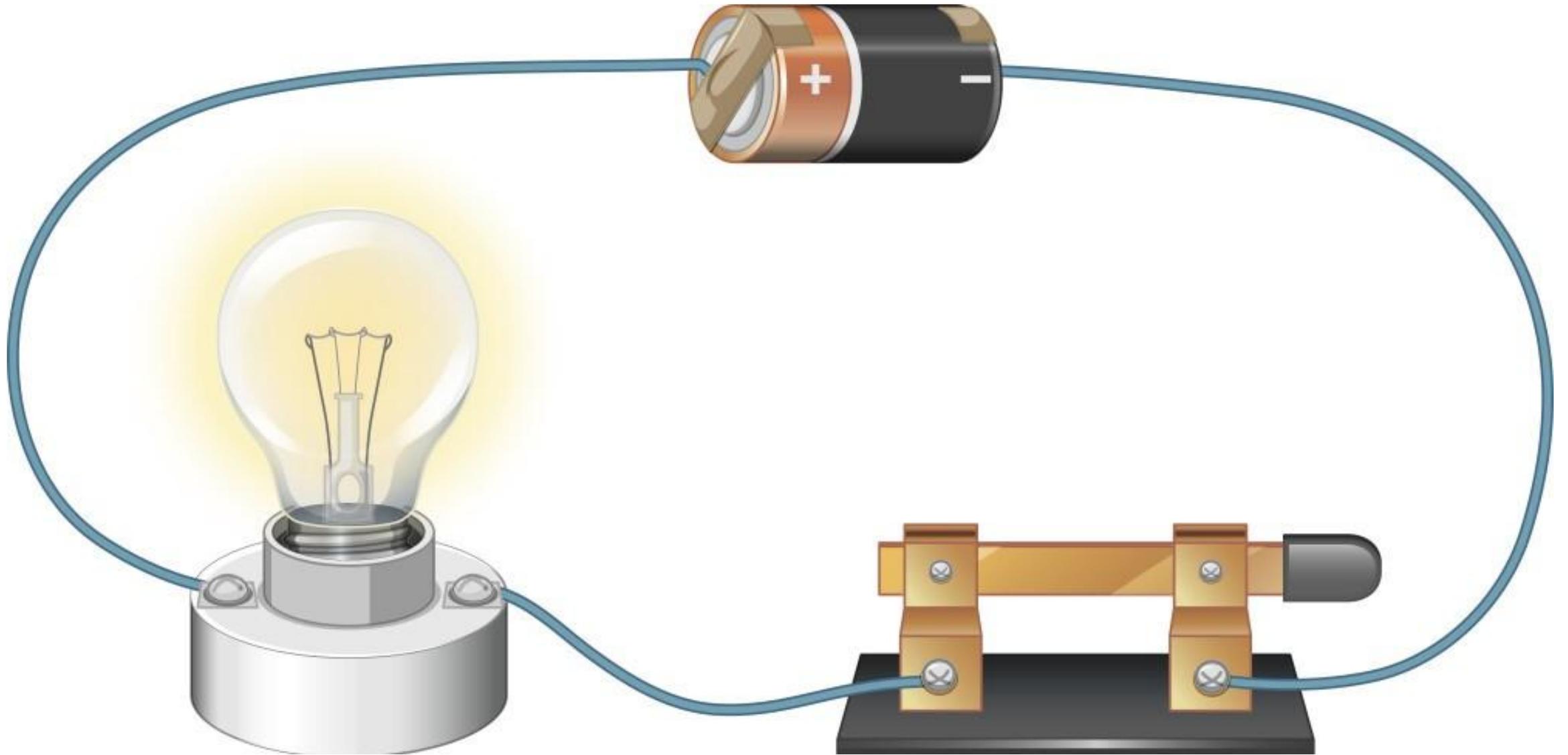
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However ---

The current crop of young people may be lacking in some of the basics which we learned by observation as children

– we need to help them

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People may not be familiar with radio

- **What is / where are radios these days:**

- **Cell phones**
- **Wi-Fi**
- **Home weather stations**
- **Ovens**
- **Refrigerators**
- **Cars**
- **Key fobs for your car**
- **satellite radio in your car**
- **Wi-Fi connected printers & scanners**
- **Bluetooth connected hearing aids**
- **Bluetooth to cell phone in car**

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People may not be familiar with radio

Perhaps don't even recognize these as "radio"

It's all around --- has surrounded us!

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Most of us grew up seeing these images

--- perhaps often

ADAM-12

-SEASON SIX-





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Today ---- we're seeing these images



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- **We have to explain what radio is to the new crop of young people**
- **Many of them are lacking some of the basics which we learned by observation as children**

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- **ARRL offers many educational resources including:**
 - **Dave Casler KE00G**
 - **Dave is an ARRL resource !**
 - **<https://learn.arrl.org/#>**
 - **www.youtube.com/davecasler**

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Questions?

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Review of C800 “ham radio” repeaters

- **Clackamas county 800 MHz public safety radio network -- “C800”**
- **Supports ham radio emergency service**
- **Three repeaters:**
 - **CLAC 7 “Highland Butte”**
 - **CLAC 8 “Crutcher Bench”**
 - **CLAC 11 “Barlow Trail” – repeater system**

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Review of C800 “ham radio” repeaters

- **All three “ham” repeaters are hosted at C800 public safety sites**
- **Support and maintenance by C800**
- **Commercial equipment – Motorola repeaters**
- **Built to withstand “the big one” earthquake**
- **Feature 30 days supply of fuel on-site**

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Review of C800 “ham radio” repeaters

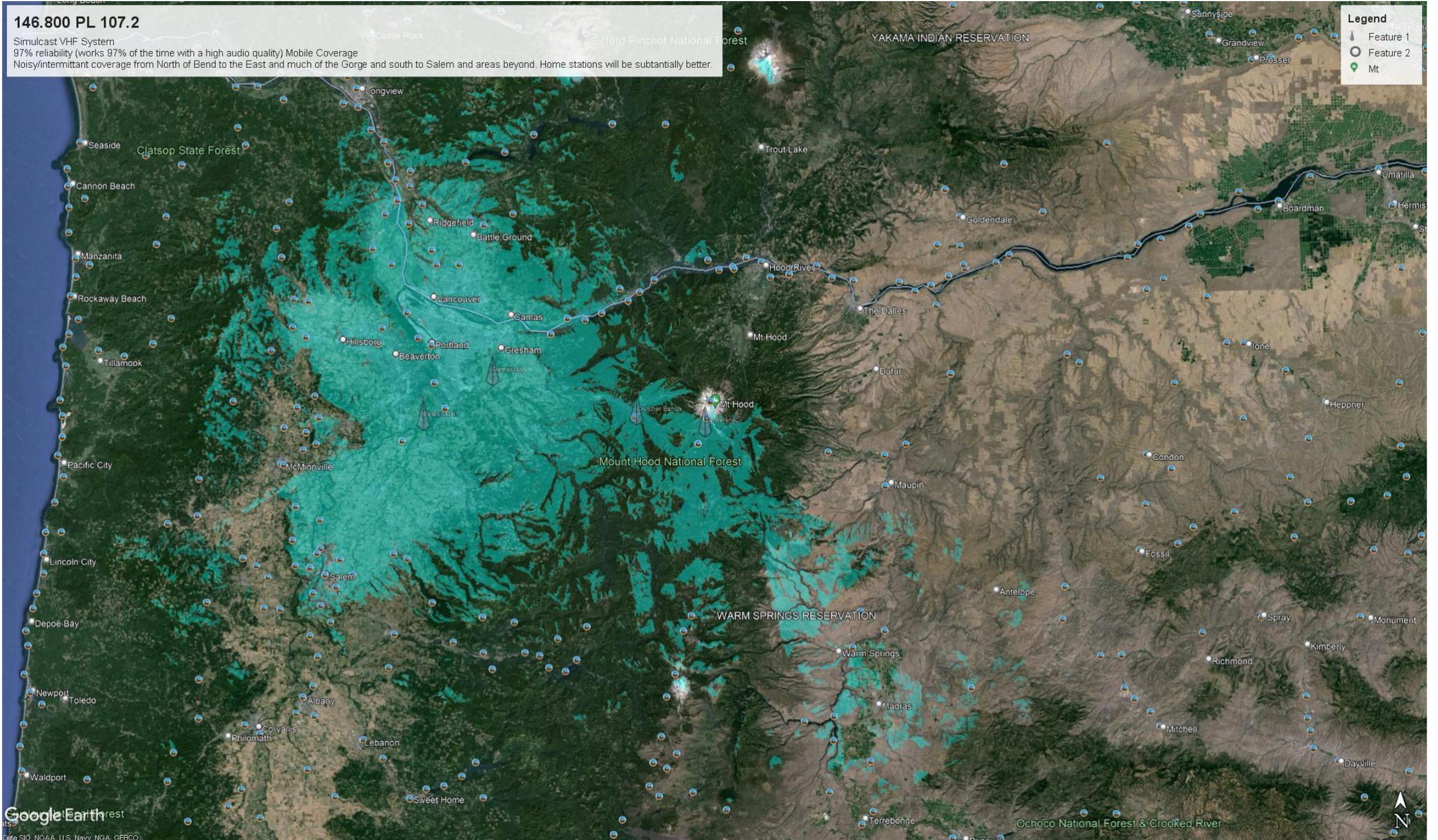
- CLAC 7 (Highland butte) – single repeater
- CLAC 8 (Crutch Bench) – single repeater
- CLAC 11 is a set of linked sites – repeater system
- CLAC 7 & 8 are now linked via C800 microwave network

146.800 PL 107.2

Simulcast VHF System
97% reliability (works 97% of the time with a high audio quality) Mobile Coverage
Noisy/intermittent coverage from North of Bend to the East and much of the Gorge and south to Salem and areas beyond. Home stations will be substantially better.

Legend

- Feature 1
- Feature 2
- Mt



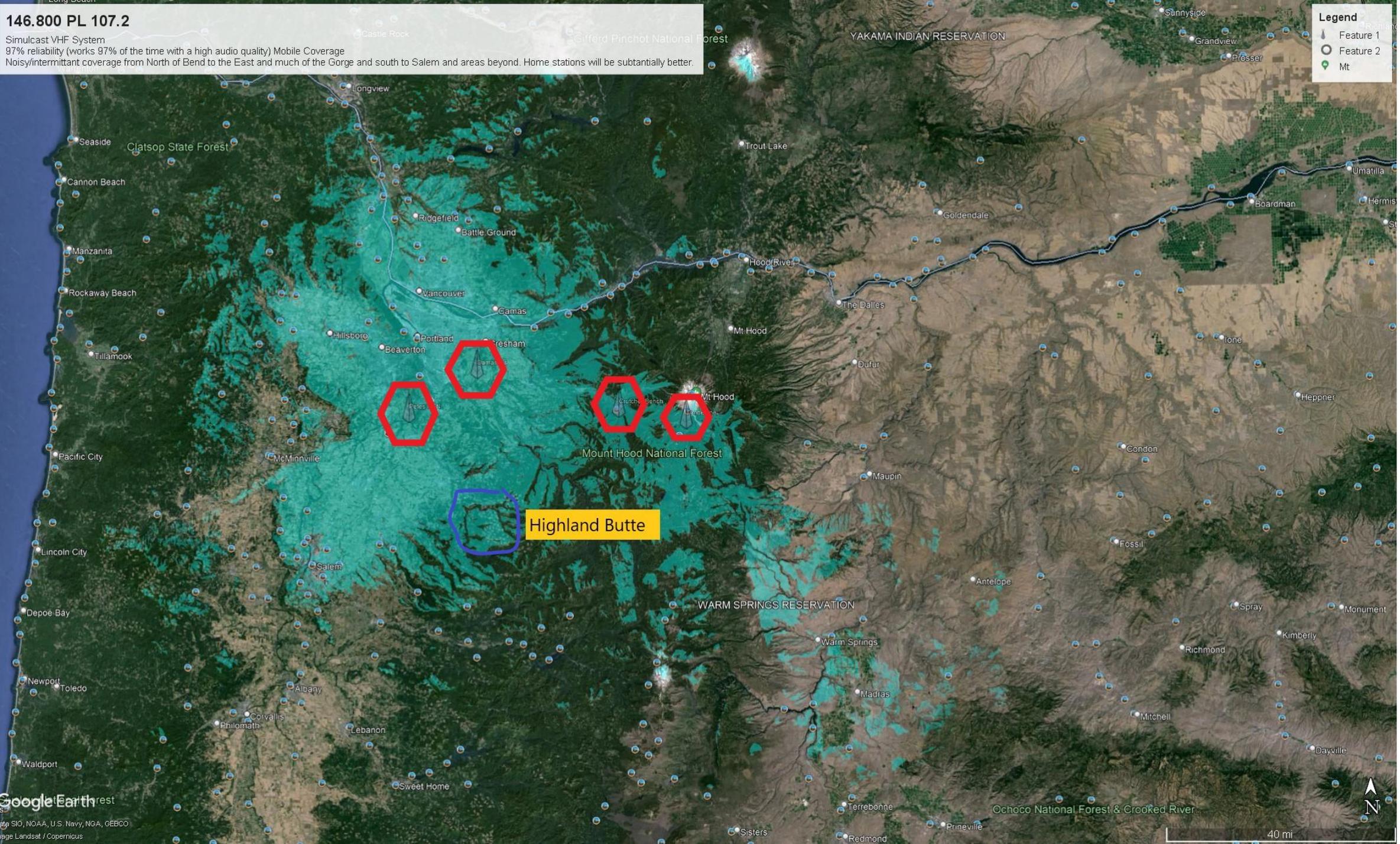
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146.800 PL 107.2

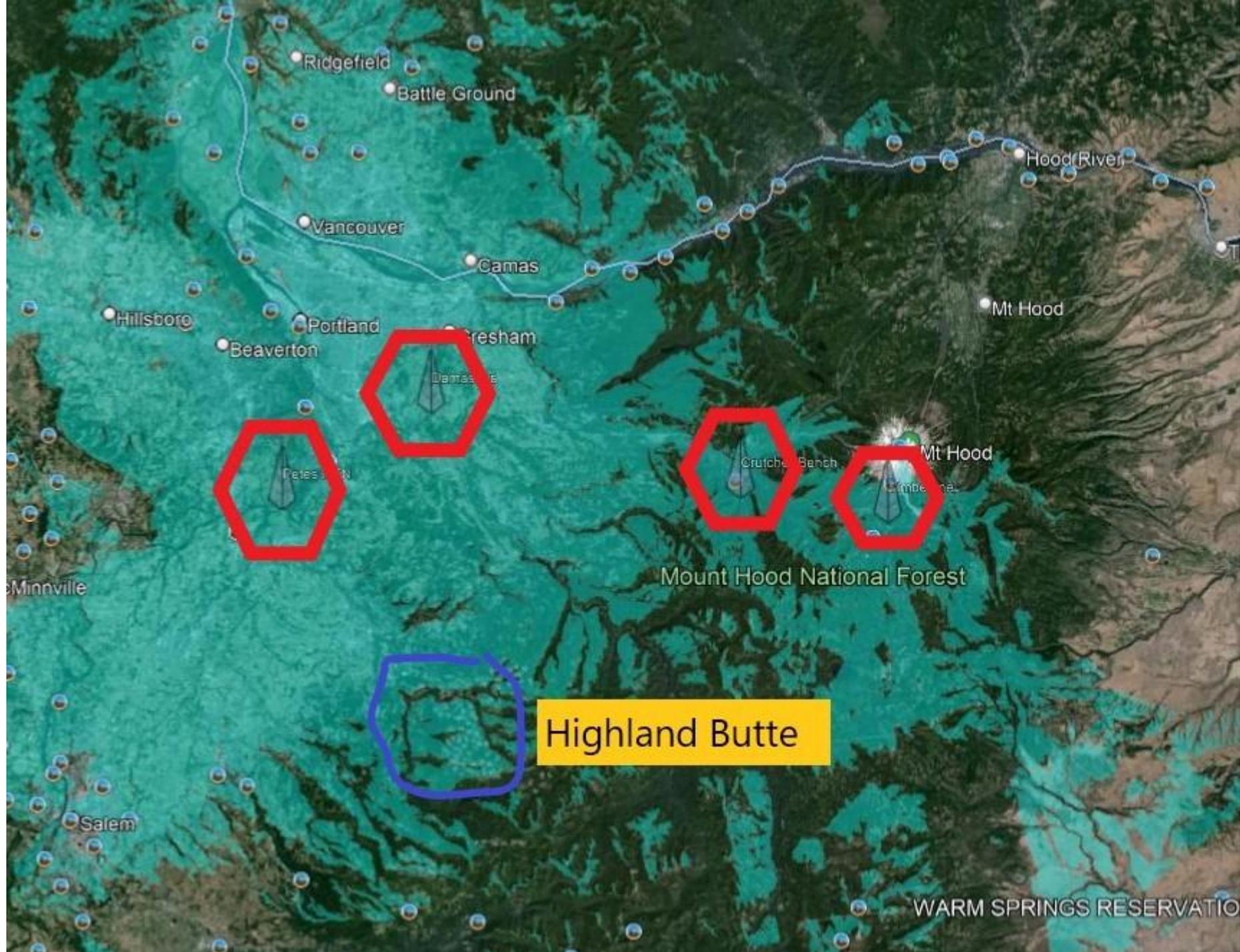
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Legend

- Feature 1
- Feature 2
- Mt



Highland Butte



Ridgefield
Battle Ground

Hood River

Vancouver

Camas

Mt Hood

Hillsboro

Portland

Fresham

Beaverton

Mount Hood National Forest

Highland Butte

Minnville

Salem

WARM SPRINGS RESERVATIO

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Review of C800 “ham radio” repeaters

- **These C800 sites feature:**
 - **Support and maintenance by C800**
 - **Commercial equipment**
 - **Built to withstand “the big one” earthquake**
 - **Feature 30 days supply of fuel on-site**
 - **Top of tower receive dipole antenna**

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Review of C800 “ham radio” repeaters

- **Top of tower receive dipole antenna**
- **This means that the repeater:**
 - **Receives / “hears” better than it transmits**
 - **Most likely will “hear” your signal fine though you may hear the repeater poorly**
 - **Others listening to the repeater may hear you fine**

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Questions?

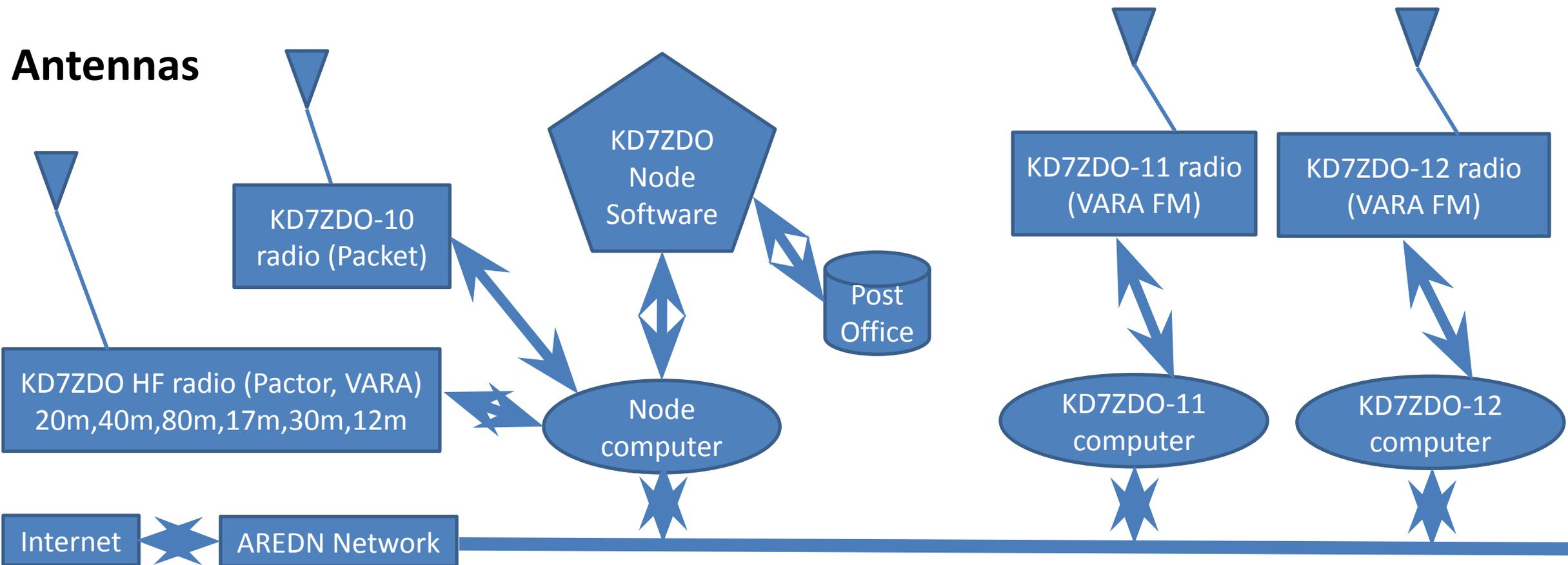
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CCDM CUP EOC Winlink system – simplified !

- **KD7ZDO HF Pactor, VARA HF**
- **KD7ZDO-10 Packet**
- **KD7ZDO-11 VARA FM**
- **KD7ZDO-12 VARA FM**

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CUP EOC Winlink SYSTEM – SIMPLIFIED !



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Questions?

Other announcements?

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