

Ham Basics Workshop

General Session

12 Sep 2009

- Welcome
- Exits
- Restrooms
- Class rooms

- We claim the privilege of worshiping Almighty God according to the dictates of our own conscience, and allow all men the same privilege, let them worship how, where, or what they may.

– Articles of Faith, #11

- We believe in being subject to kings, presidents, rulers, and magistrates, in obeying, honoring, and sustaining the law.
 - Articles of Faith, #12

Ham radio application of principle

- Stay in bounds of your license except in dire emergencies
- As a technician, checking in to an HF net “just this time” is NOT OK!
- When on the radio (and other times, too), be nice!

Why hold the workshop?

- Learn to operate with new modes
- Learn about equipment
- Improve communication skills
- Learn ways to serve your family and community
- New ways to have fun with the hobby

Class session 1

- Simple VHF/UHF antennas
- Getting the most from your handheld
- Getting started with HF communication
- Communications during an emergency

Class session 2

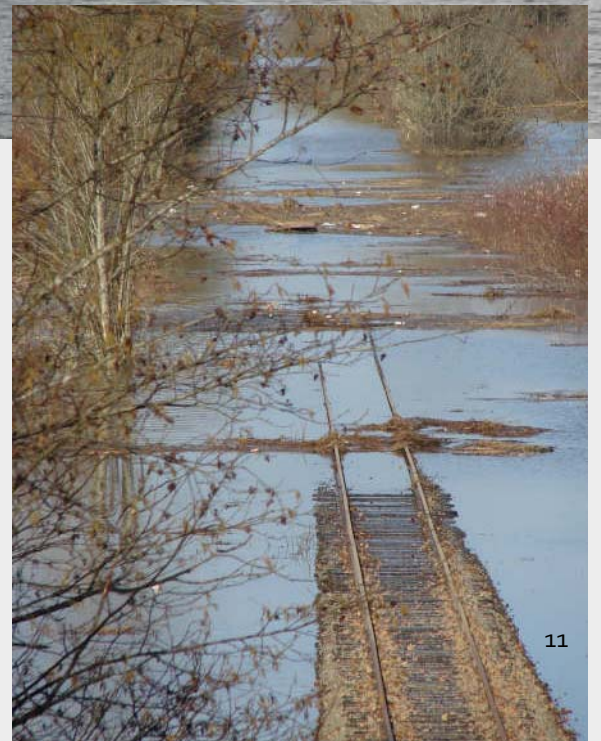
- Connectors and grounding
- Operating mobile and portable
- Digital communications
- Station types from handheld to HF

Class session 3

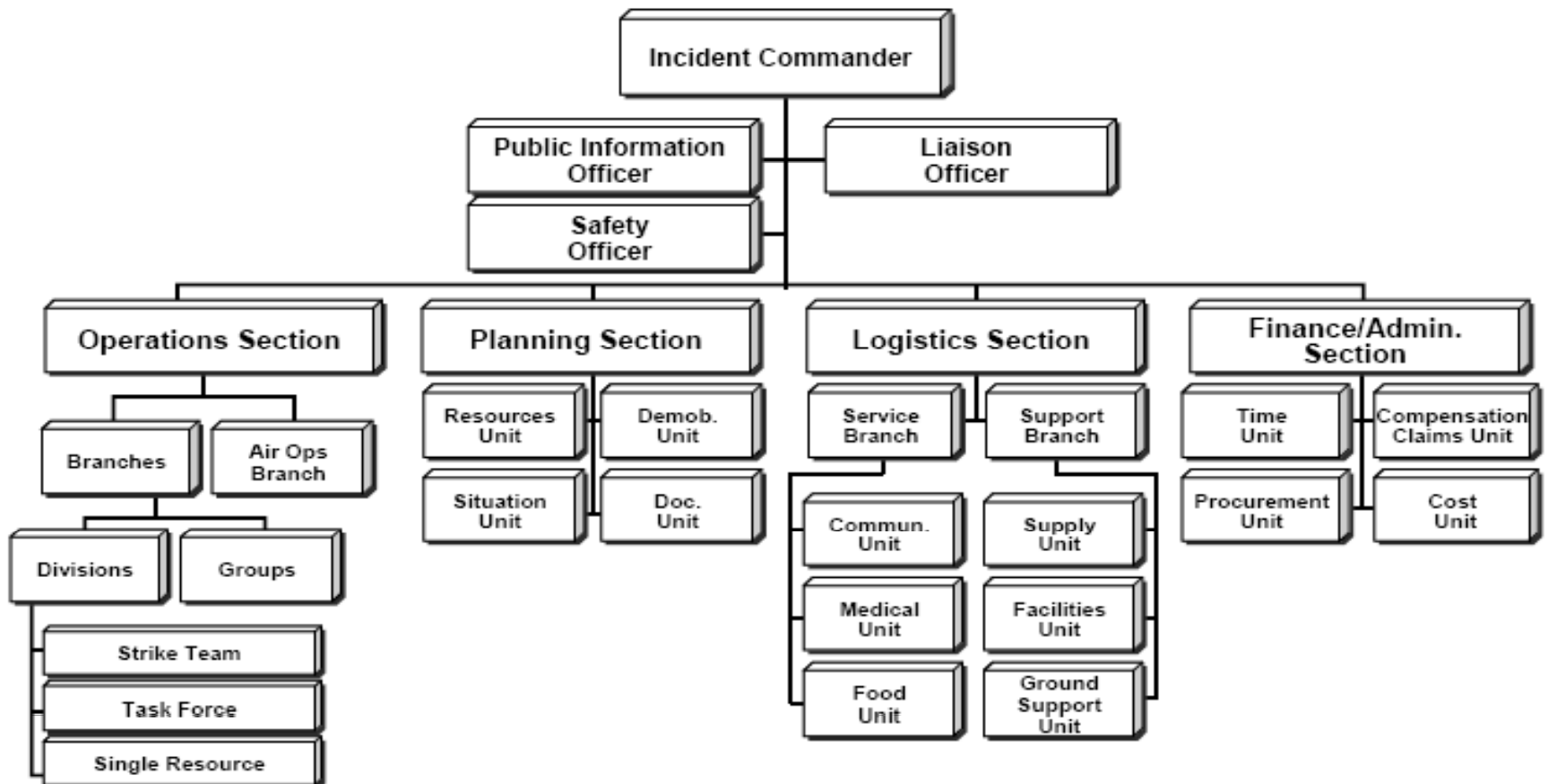
- Care and feeding of batteries
- Operating in a contest
- Using your radio for community service
- Simple HF antennas

Find ways to use your radio

- Commute time
- Contests
- Home station
- Portable operation
- Parades, special events
- Field Day
- Nets



Incident Command System



ICS Challenge

- Learn enough about ICS so you know where you fit during an emergency
- Learn the terminology
- Consider taking ICS-100, IC-700, and ICS-800

Long term

- Decide over time what kind of operations you like
- Acquire equipment over time
- Upgrade your license along the way
- Keep learning
- Help others with your skills
- Encourage others to give ham radio a try

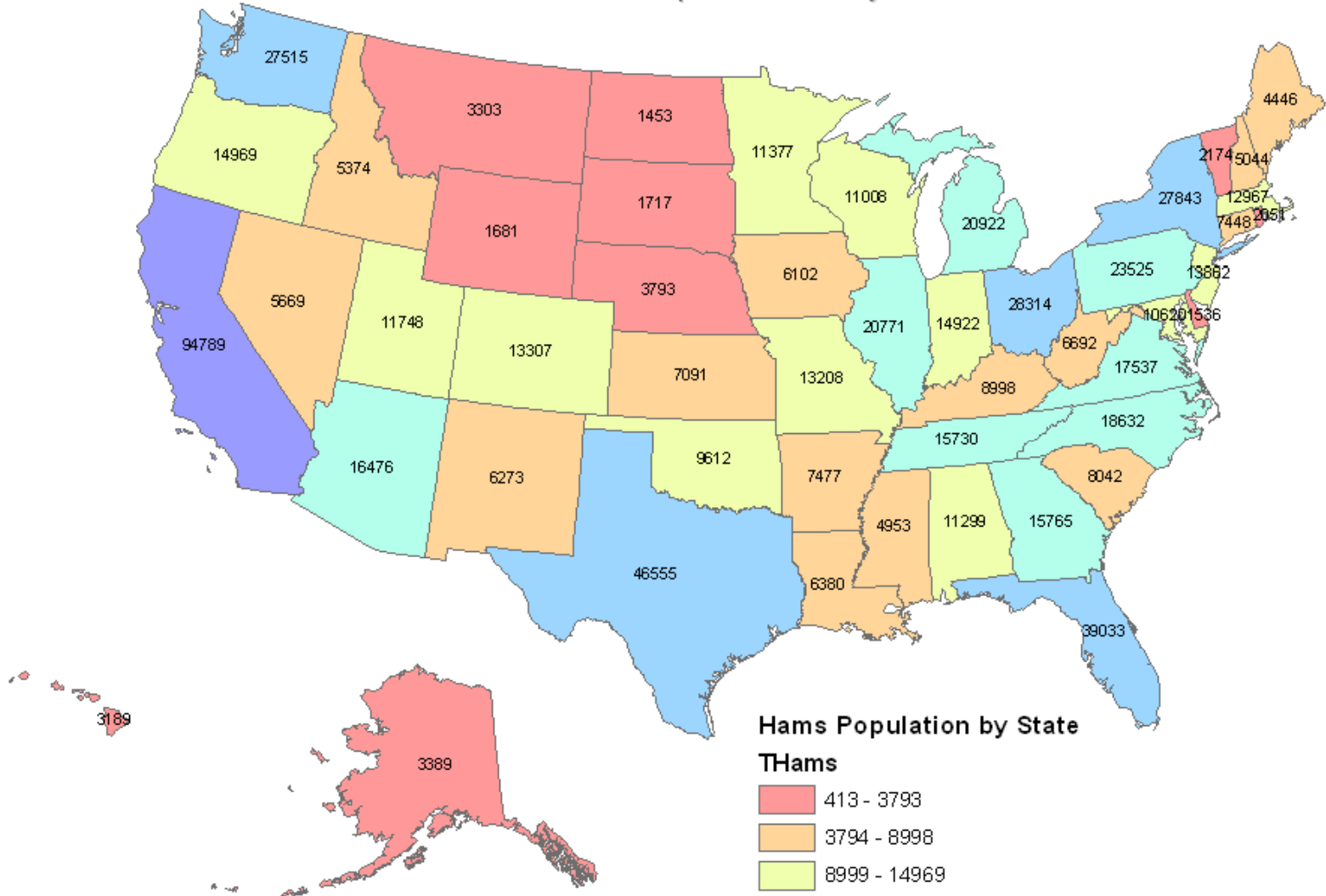
Learning/service activities

- Communications at parades and local events
- Participate in Field Day
- Learn to operate QRP HF if general or above
- Operate portable for 6m/VHF/UHF contests
- Grid hunting to test your equipment capability

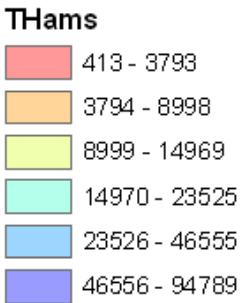
Suggestions

- Join one or more clubs
- Join ARRL
- Get involved and have fun
- Keep learning

Ham Population by State



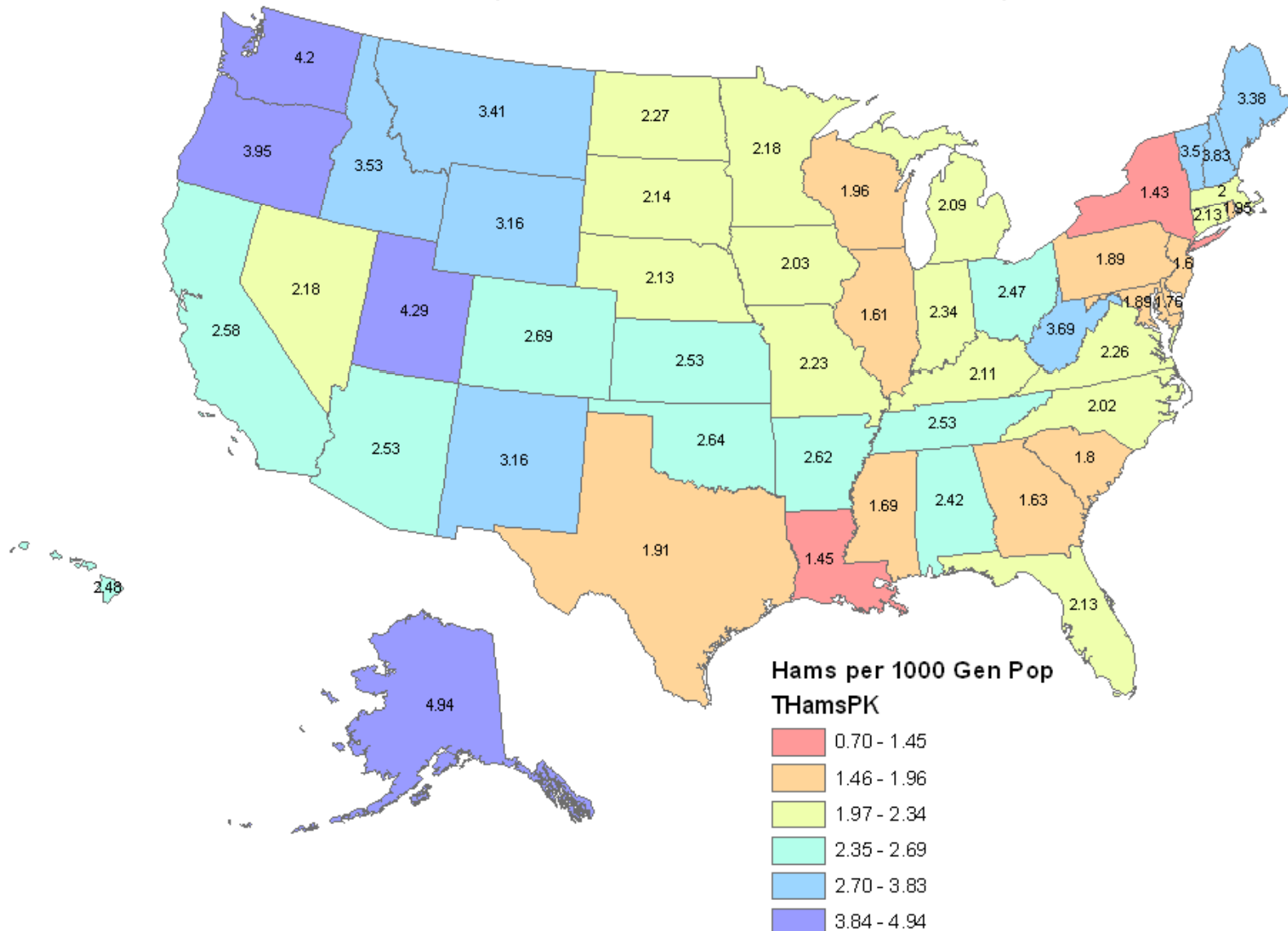
Hams Population by State



General population based on 2008 US Census estimates.
 Ham populations based on FCC data extract of August 30, 2009

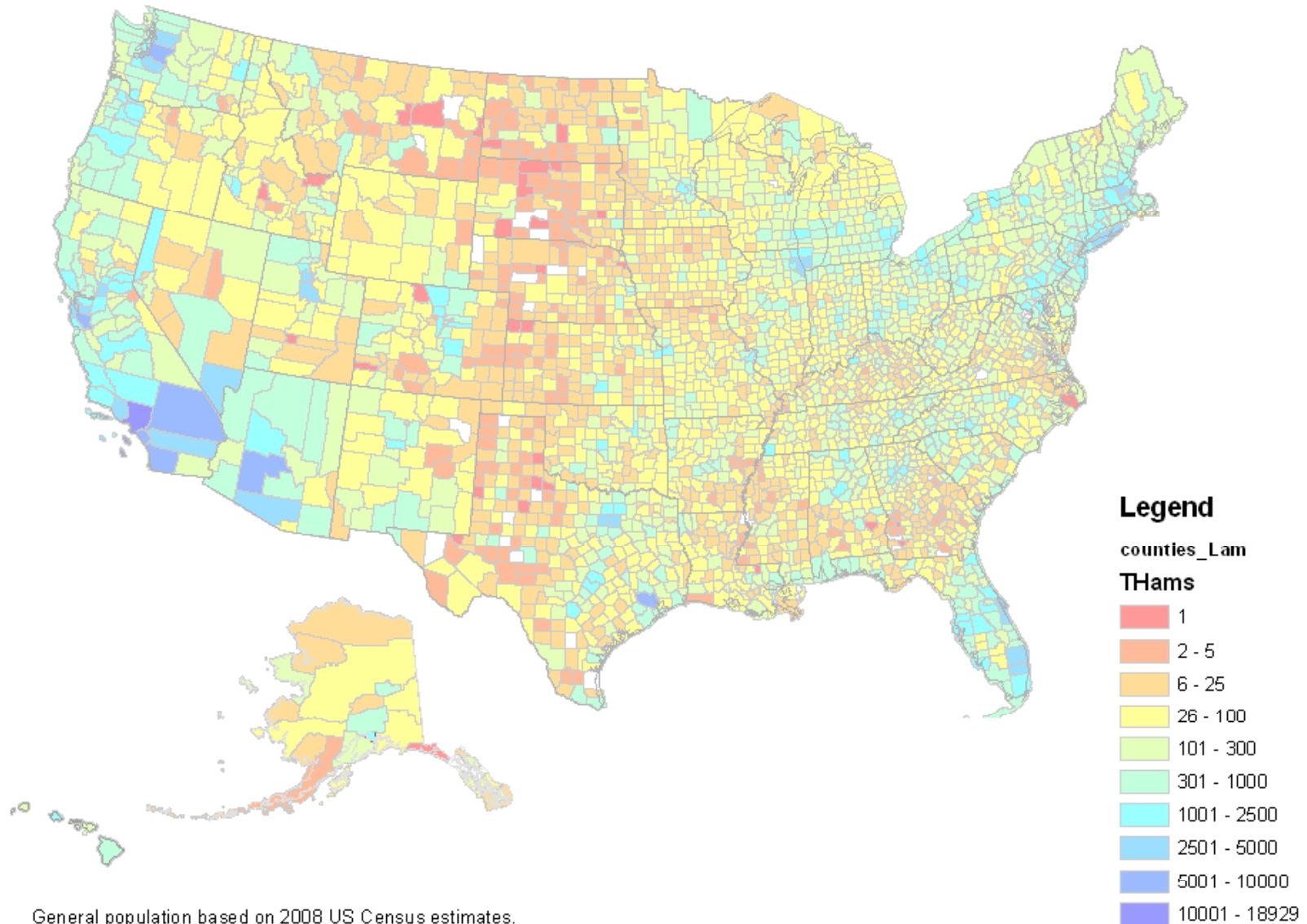
Value in each state shows the ham population.

Hams per Thousand in General Population



General population based on 2008 US Census estimates.
Ham populations based on FCC data extract of August 30, 2009

Number of hams in counties with hams



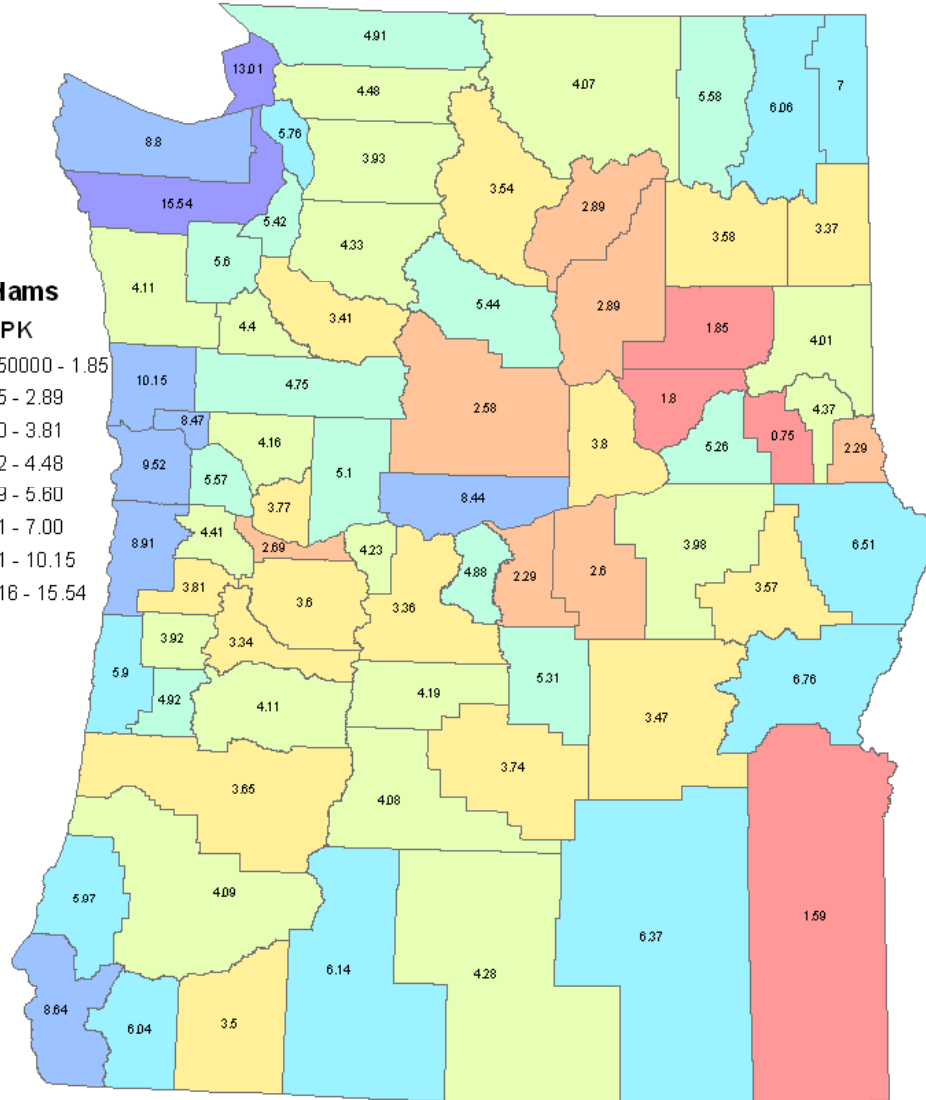
General population based on 2008 US Census estimates.
Ham populations based on FCC data extract of August 30, 2009.

Number of Hams per Thousand in General Population by OR/WA County, August 2009

PNW Hams

THamsPK

- 0.750000 - 1.85
- 1.85 - 2.89
- 2.90 - 3.81
- 3.82 - 4.48
- 4.49 - 5.60
- 5.61 - 7.00
- 7.01 - 10.15
- 10.16 - 15.54



Ham numbers based on FCC extract on August 30, 2009.
Only individual licenses are counted.

DRBurton, N7QMT, 2009

Final

- We hope that when you leave today, you will know more than when you came
- We welcome suggestions for future learning events
- After the last class, please help stack the chairs
- 73, and happy learning