



Full NPSTC Meeting

Conference Call

November 10, 2015 | 1:00 pm – 3:00 pm ET

Call In: (510) 227-1018 | Conference ID: 192 7086#

Webinar Access: <https://join.me/npstcsupport1>

Press *6 to mute your phone.

The member organizations of the National Public Safety Telecommunications Council are grateful to the Department of Homeland Security's Science and Technology Directorate, Office for Interoperability and Compatibility (OIC) and the National Protection and Programs Directorate, Office of Emergency Communications (OEC) Points of view or opinions expressed are those of the originators and do not necessarily represent the official position or policies of the U.S. Department of Homeland Security.



Welcome and Opening

Ralph Haller, *Chair*

NPSTC is a federation of organizations whose mission is to improve public safety communications and interoperability through collaborative leadership.

Welcome and Opening

- Call to Order
- Roll Call
 - All Attendees including Governing Board Representatives please send an email to attend@npstc.org with your name and organization in the body of the email, please enter “NPSTC Meeting” in the subject line
 - Please email questions during the meeting to support@npstc.org.
 - Please mute your phone by pressing *6. Do not press your “hold” button. Press *5 to raise your hand to speak.

Welcome and Farewell



- Welcome
 - Michael Britt, Technology and Broadband Committee
2nd Vice Chair
 - Brad Stoddard, NCSWIC Primary
- Farewell
 - Mark Grubb, NCSWIC Primary



FirstNet National Public Safety Broadband Network (PSBN) Development

Public Safety Advisory Committee (PSAC) – Harlin McEwen, Chairman

FirstNet – Kevin McGinnis, FirstNet Public Safety Board Member



Technology and Broadband Discussion

Tom Sorley, Chair | Andy Thiessen, Vice Chair | Michael Britt, 2nd Vice Chair

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Technology and Broadband Discussion



- New Working Group Update
 - LMR to LTE Migration Working Group
 - Chris Kindelspire, Chair
 - Broadband Emerging Technologies Working Group
 - Kim Coleman-Madsen, Chair
 - Unmanned Aircraft Systems (UAS) and Robotics Working Group
 - TBD, Chair



Federal Partners Update

**Department of Homeland Security (DHS), Office for Interoperability
and Compatibility – John Merrill, Director**

**Department of Homeland Security (DHS), Office of Emergency
Communications (OEC) – Chris Essid, Deputy Director**



Spectrum Management Discussion

David Buchanan, Chair | Stu Overby, Vice Chair

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Spectrum Management Discussion



- T-Band Report Update – Stu Overby
 - Presented T-Band Issue to SAFECOM, November 3, 2015
 - The March 2013 T-Band Report is being updated.
 - Analyzing license cancellations/expiration since 2013
 - Assessing benefit from channels added: 700 MHz reserve and 800 MHz expansion band channel
 - Updating information regarding mission critical voice on the National Public Safety Broadband Network.
 - Reviewing cost estimate methodology for any changes
 - Providing more detail on T-Band television broadcast operations
 - Expected completion of the report update is in the first quarter of 2016.

Spectrum Management Discussion

- Railroad Police Interoperability Channel Access Notice of Rulemaking (NPRM) – Stu Overby
 - NPRM released September 1, 2015
 - Deadlines:
 - Comments: November 13, 2015;
 - Replies: November 30, 2015.
 - Federal Communications Commission proposes to permit railroad police officers who are empowered to carry out law enforcement functions to be eligible users of the public safety interoperability and mutual aid channels.
 - NPRM does not address access to NPSBN.

Spectrum Management Discussion



- Summary of draft comments to Railroad Police Notice of Public Rulemaking:
 - Support overall proposal;
 - Support proposal to define eligible Railroad Police Officers based on definition in Federal Railroad Administration rules;
 - Note need for simpler process than currently allowed;
 - Support blanket licensing of mobiles/portables, with condition allowing use of interop and mutual aid channels in any area where the respective railroad operates; and
 - Support coordination with state or regional planning committees that administer interop/mutual aid channels.

Spectrum Management Discussion



- 4.9 GHz Further Notice of Proposed Rulemaking (FNPRM) – David Buchanan
 - APCO 4.9 GHz Report filed with FCC September 28, 2015
 - Use cases and licensing statistics
 - Ways to increase public safety usage
 - Ways to reduce barriers to public safety use
 - How to drive investment in band
 - Critical Infrastructure Industries (CII) Potential New Markets
 - FCC FNPRM expected in late 2015/early 2016

Spectrum Management Discussion



- Interference Protection Working Group – Don Root, Chair
 - LightSquared (LS) testing: NPSTC made process recommendations accepted by LS consultant
 - Cellular power levels: Awaiting FCC decision
 - Bi-Directional Amplifier (BDA) Interference: NPSTC issued questionnaire
 - Isolated report from Michigan of radio interference from body-worn camera.

Spectrum Management Discussion



- Federal Communications Commission Public Safety Answering Point Architect Task Force FCC – Bob Brown, NPSTC Representative

Spectrum Management Discussion

- Project Scope
 - Authorized by the FCC on 12/2/2014 for a two year period, ending 12/2/2016
 - NPSTC, APCO and NENA have representatives on the 28 person task force
 - Three Working Groups are evaluating different issues relating to PSAP configuration, funding and cyber security.
 - Working Group #1: Cyber Security
 - Working Group #2: NG911 Architecture Implementation
 - Working Group #3: Resource Allocation

Spectrum Management Discussion



- Current Update
 - Working Group #3 (Resource Allocation) has completed their report on Resource Allocation
 - Working Group #1 (Cyber Security) and Working Group #2 (NG911 Architecture Implementation) are still finalizing their individual reports.
 - A December 10th meeting is scheduled to vote on Working Group #1 and Working Group #2 documents.
 - A public meeting will occur in early January to vote on the final consolidated report.

Spectrum Management Discussion

- The issue of consolidation is very complex and does not lend itself to an easy nationwide recommendation. The approach taken is “one size does not fit all” based on the variables identified and select what is most optimal for your situation.
- A predictable funding source that is technology neutral is needed at the local level for Next Generation (NG) activities. This is a complex issue that varies greatly on a state by state basis.
- With the NG911 technology comes “connectivity”. The legacy mindset of a “closed” and thus protected system is no more. With NG comes the even greater need for cyber security.

Filings Completed YTD in 2015



Date Filed	Topic	Type of Filing
Nov. 13	Railroad Police	Comments
Oct. 16	700 MHz Deployable Trunked Report	Ex parte to FCC
Sept. 9	LightSquared	Ex parte re test plan to FCC
Sept. 9	800 MHz band Interstitials	Comments on LMCC protocol
July 29	LightSquared/GPS	Letter to FCC
July 27	FirstNet Draft RFP	Comments to FirstNet
July 13	Interference Dispute Resolution	Comments to FCC
July 6	Rules on Public Safety Airborne Use	Ex Parte to FCC
July 1	AT&T Waiver Request - Kansas	Comments to FCC
July 1	RF Interference from Lighting	Letter/Report to FCC
June 19	Waiver Request-Ultra Wideband	Comments to FCC
June 8	800 MHz band Interstitials	Ex Parte to FCC

Filings Completed YTD in 2015 (continued)



Date Filed	Topic	Type of Filing
June 4	FirstNet Third Notice re PS Definition	Comments to FirstNet
May 28	TIA Recon re P25 CAP at 700 MHz	Ex Parte to FCC
May 11	800 MHz Interstitials	Comments to FCC
April 30	AT&T Waiver Request - Missouri	Comments to FCC
April 28	FirstNet Second Notice re Opt-Out	Comments to FirstNet
February 17	Public Safety Interoperability	Letter to GAO
February 23	TIA Recon re P25 CAP at 700 MHz	Reply Comments to FCC
February 20	Cellular Service Rules on Power	Reply Comments to FCC
February 13	700 MHz Deployable Channels	Letter w/NRPC to FCC
January 5	Frequency Coordinator Certification	Comments to FCC



Federal Partners Update *(continued)*

Federal Communications Commission (FCC) – Charles Cooper, Acting Field Director, FCC Enforcement Bureau

Federal Communications Commission (FCC) – David Furth, Deputy Bureau Chief, Public Safety Homeland Security Bureau (PSHSB)



Interoperability Discussion

John Lenihan, Chair | Don Root, Vice Chair

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Interoperability Discussion

- Emergency Medical Services – Paul Patrick, Work Group Chair

Interoperability Discussion

- Cross Border Outreach Report – John Lenihan
- Appointment Approval Request
 - Steve Mallory, Cross Border Working Group Chair
 - Pascal Rodier, 2nd Vice Chair of Cross Border Working Group | Chris Lombard remains 1st Vice Chair
- Farewell to Terry LaValley, Working Group Chair

New Business and Future Meetings

- New Business
- NPSTC future meetings
 - Teleconference: 1pm – 3 pm, ET, Thursday, January 21, 2016
 - In-Person Meeting, IWCE: 8:30 am – 5:00 pm, PT, Friday, March 25, 2016



Adjourn | Thank you!

Questions?

support@npstc.org | 1.800.807.4755

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Living Incident Management in South Carolina During Hurricane Joaquin (optional attendance)

Lloyd Mitchell, NPSTC Governing Board Representative, Forestry Conservation Communications Association (FCCA)



Joaquin Flood 2015

LIVING INCIDENT COMMAND OCTOBER 1- 9

LSC2 LLOYD M. MITCHELL

JOAQUIN

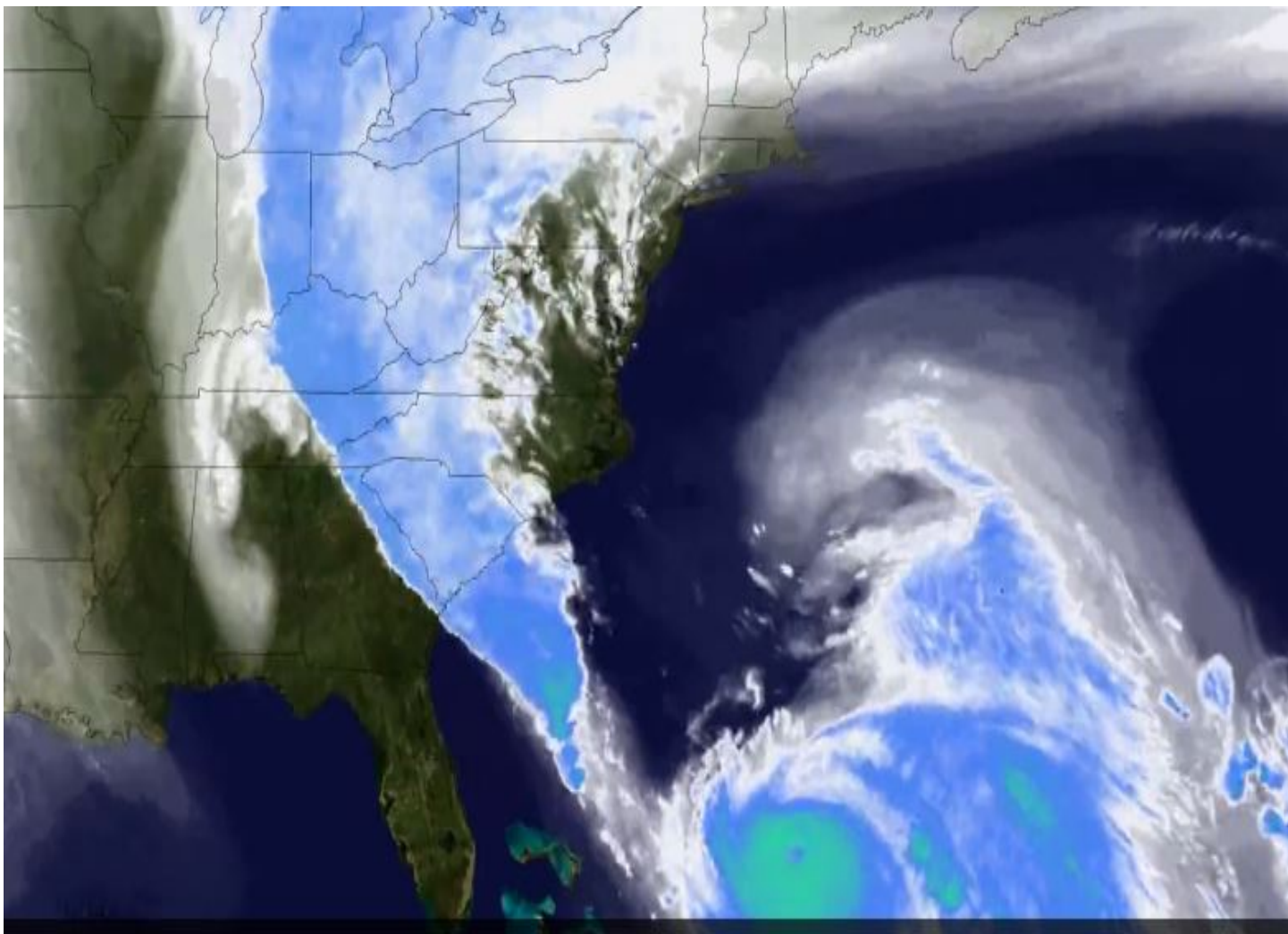
- ▶ South Carolina was hit by a historic flooding event from Oct. 1-5, 2015. Flash flooding led to significant damage to homes and businesses.
- ▶ Many people were rescued by emergency personnel.
- ▶ Flood waters also damaged many of the state's roads and bridges. The damage is so significant that it will likely take weeks to months to repair.





**PUT A RING
AROUND IT !!!**





- ▶ Hurricane Joaquin missed the East Coast, but fueled what experts at the NOAA called a “fire hose” of tropical moisture that aimed directly at the state.

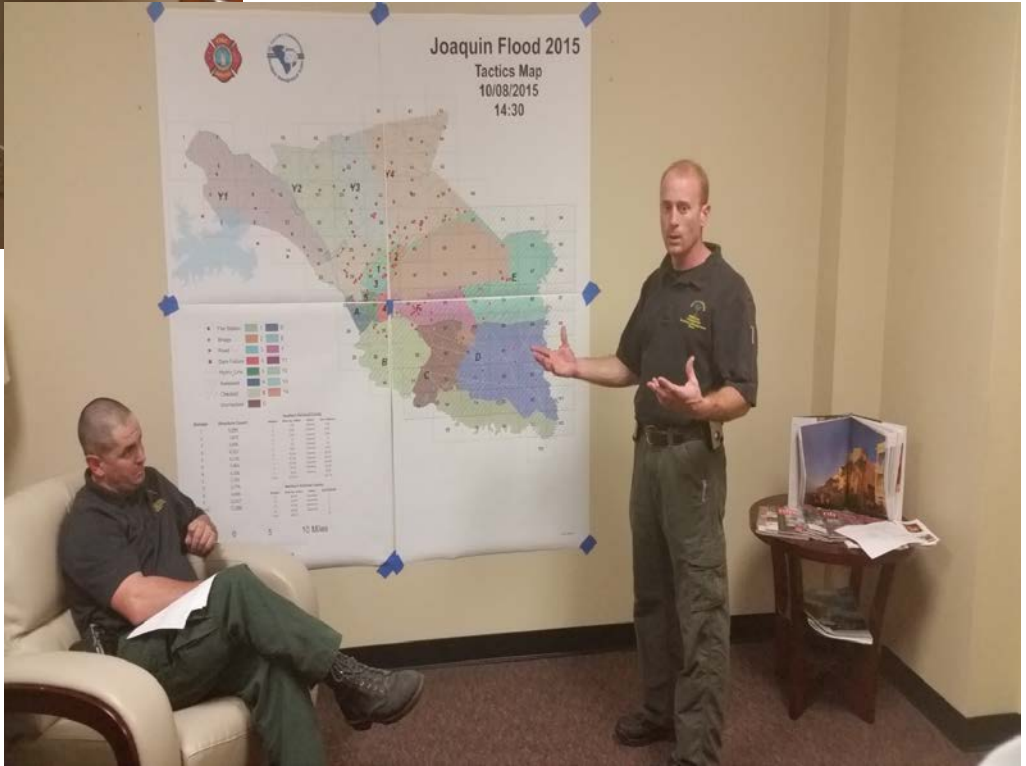
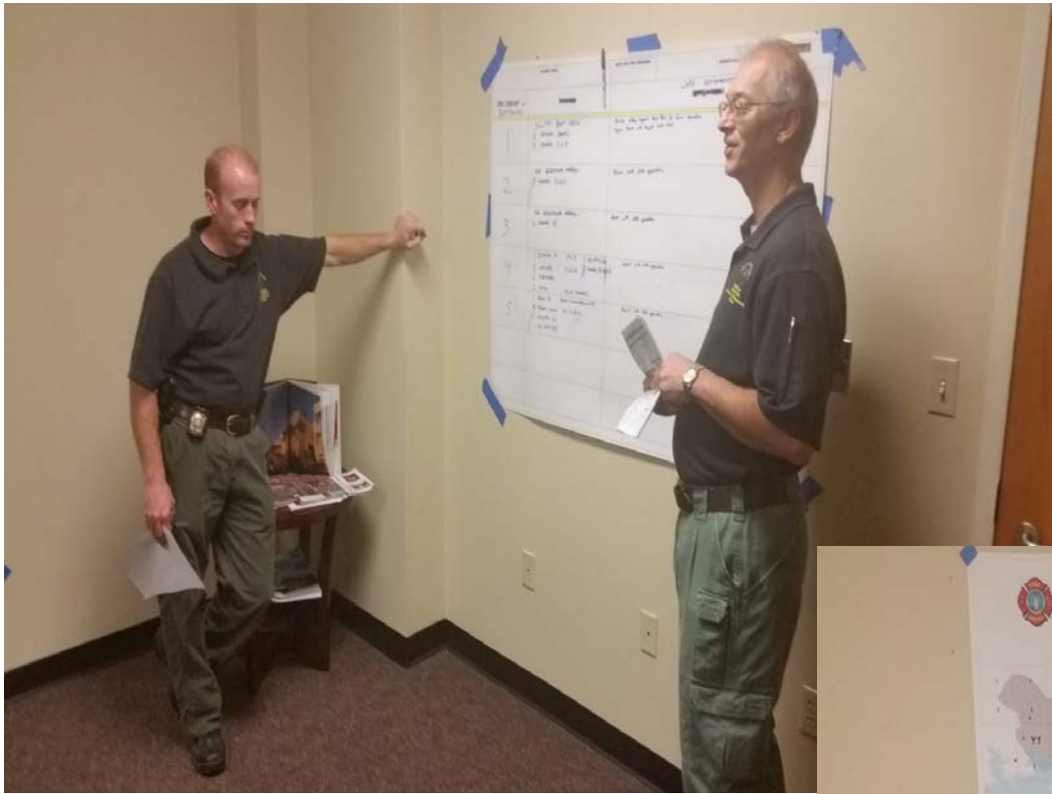


Storm Total Rainfall – October 1-5, 2015



	Rainfall		Rainfall		Rainfall		Rainfall
Mount Pleasant SC	26.88"	Wando SC	18.47"	Sandhill SC	14.85"	Sylvania GA	8.76"
Cainhoy SC	25.50"	Kiawah Island SC	18.44"	Crabtree Swamp SC	14.79"	Laurens SC	8.23"
Kingstree SC	24.75"	Eastover SC	18.35"	Longtown SC	13.94"	Beaufort NC	7.53"
Shadowmoss SC	24.10"	Effingham NC	17.95"	Southport NC	13.42"	Greenwood SC	7.12"
Longs SC	23.74"	Spring Valley SC	17.91"	Cedar Creek SC	13.07"	Aiken SC	6.97"
Limerick SC	22.02"	Charleston SC	17.91"	Myrtle Grove NC	12.93"	Greenville-Spartanburg SC	6.30"
Folly Beach SC	21.45"	Longwood NC	17.83"	Wilmington NC	12.54"	Beaufort SC	6.22"
Sumter SC	21.30"	Soccastee SC	17.80"	Cades SC	12.53"	Jacksonville NC	6.19"
Millwood SC	20.75"	Santee SC	17.43"	Columbia SC (CUB)	12.35"	Mullens SC	6.13"
Georgetown SC	20.75"	Hemmingway SC	16.97"	Tabor City NC	12.29"	Duncan SC	5.85"
Moncks Corner SC	20.42"	Pawley's Island SC	16.93"	Bennettsville SC	11.81"	Havelock NC	5.80"
Gills Creek SC	20.28"	Chapin SC	16.92"	Gilbert SC	11.66"	Frisco NC	5.51"
Holly Hill SC	19.83	Murrells Inlet SC	16.74"	Bishopville SC	11.43"	Fayetteville NC	5.15"
Shaw AFB SC	19.79"	Hanahan SC	16.61"	Columbia SC (CAE)	11.40"	New Bern NC	4.50"
McClellanville SC	19.55"	Irmo SC	15.71"	Florence NC	11.05"	Anderson SC	4.49"
Summerville SC	19.47"	North Myrtle Beach SC-Grand Strand Ap	15.48"	Orangeburg SC	10.61"	Clemson SC	4.49"
Summerton SC	19.27"	Camden SC	15.40"	Topsail Beach NC	10.17"	Lumberton NC	4.04"
Manning SC	19.25"	Lexington SC	15.35"	Newberry SC	9.55"	Asheville NC	3.71"
Wateree SC	18.90"	Ridgeville SC	15.22"	Walterboro SC	9.70"	Charlotte NC	3.10"
Johns Island SC	18.79"	Goose Creek SC	15.12"	Whiteville NC	9.02"	Savannah GA	1.38"
Sunset Beach NC	18.79"			Elizabethtown NC	8.79"		











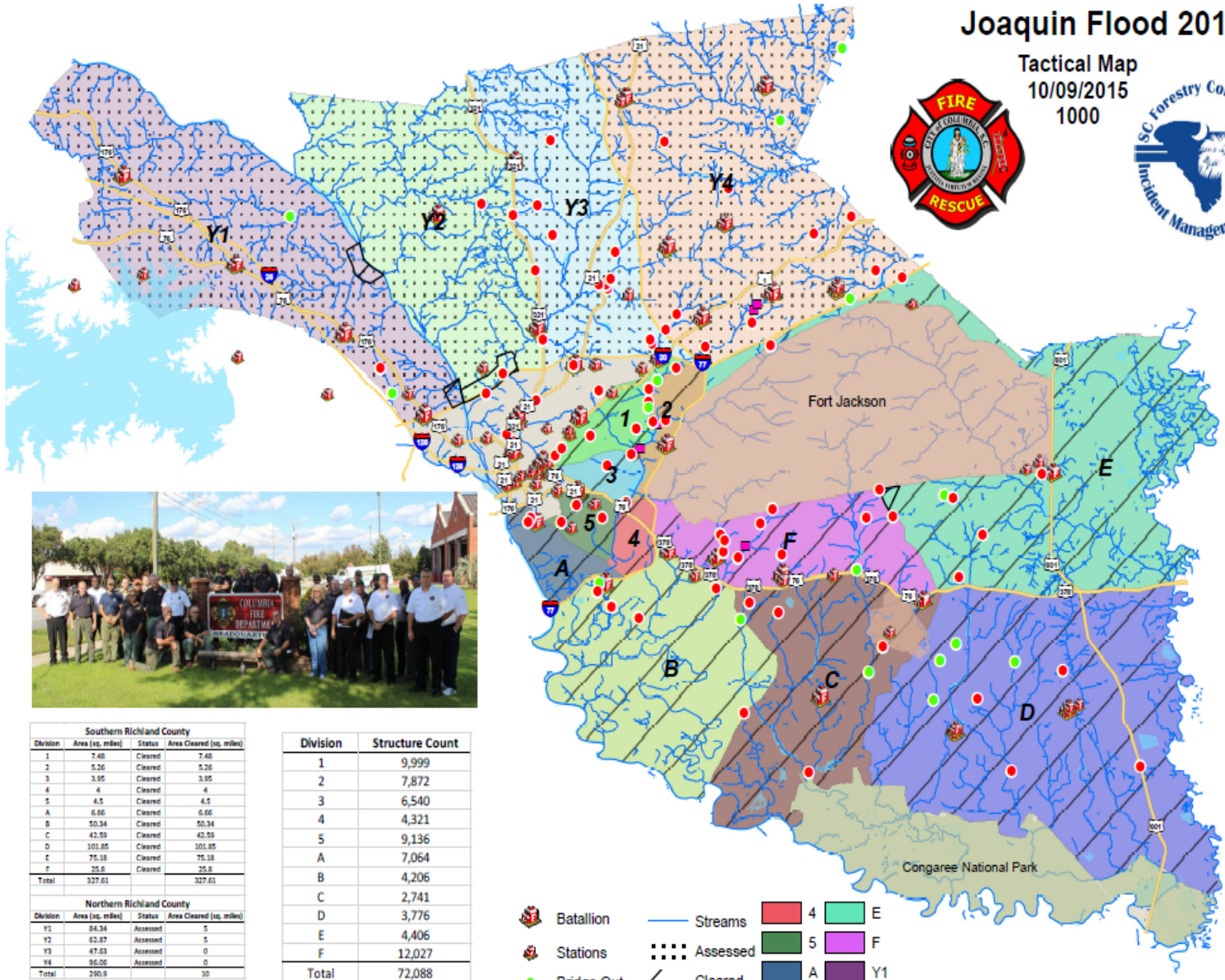






Joaquin Flood 2015

Tactical Map
10/09/2015
1000

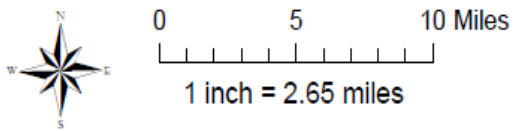


Southern Richland County			
Division	Area (sq. miles)	Status	Area Cleared (sq. miles)
1	7.48	Cleared	7.48
2	5.26	Cleared	5.26
3	3.95	Cleared	3.95
4	4.5	Cleared	4
5	6.66	Cleared	6.66
A	50.34	Cleared	50.34
B	42.59	Cleared	42.59
C	101.85	Cleared	101.85
D	75.18	Cleared	75.18
E	28.1	Cleared	28.1
F	307.61	Cleared	307.61
Total			

Northern Richland County			
Division	Area (sq. miles)	Status	Area Cleared (sq. miles)
Y1	84.34	Assessed	5
Y2	62.87	Assessed	5
Y3	47.83	Assessed	0
Y4	96.06	Assessed	0
Total	291.0		10

Division	Structure Count
1	9,999
2	7,872
3	6,540
4	4,321
5	9,136
A	7,064
B	4,206
C	2,741
D	3,776
E	4,406
F	12,027
Total	72,088

- Battalion
- Stations
- Bridge Out
- Road Closure
- Dam Failure
- Streams
- Assessed
- Cleared
- 1
- 2
- 3
- 4
- 5
- A
- B
- C
- D
- E
- F
- Y1
- Y2
- Y3
- Y4

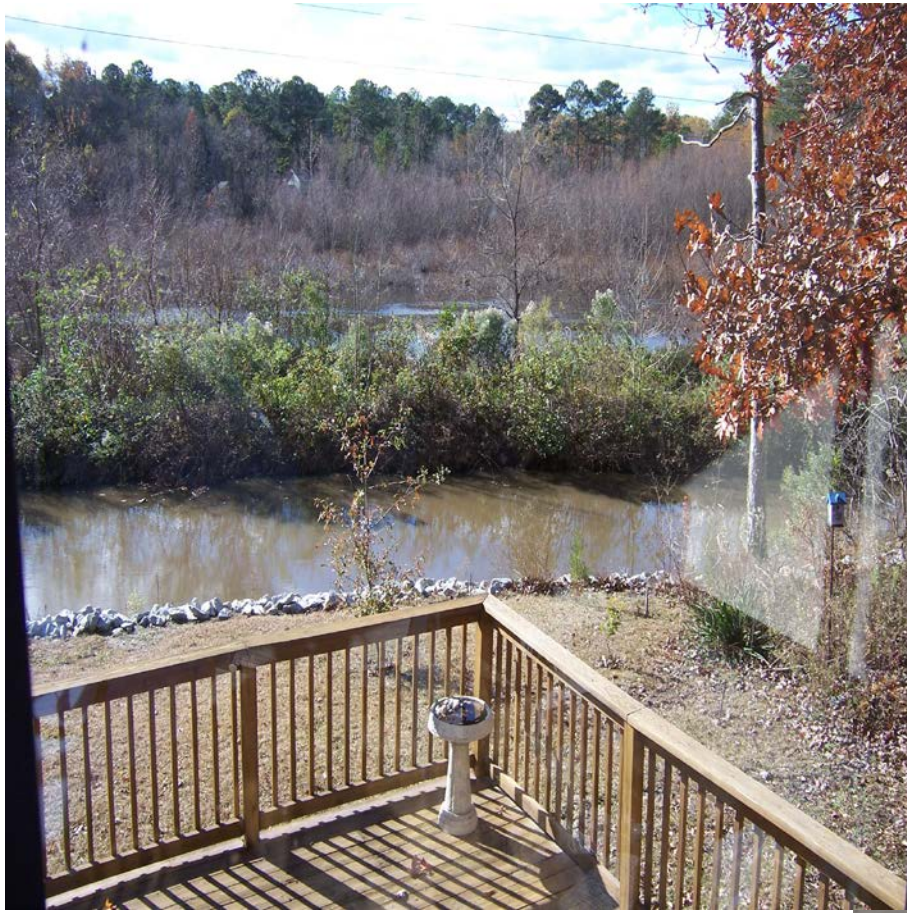




POMARIA, SC



POMARIA, SC







LAKE KATHERINE
AREA

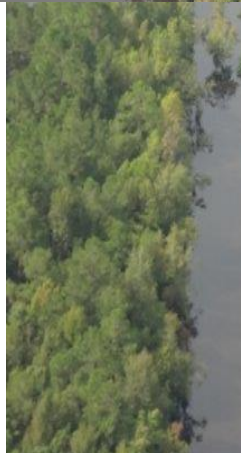


I-20 AT BROAD RIVER



US HWY 301
MANNING SC







SCFC Andrews
Repeater
Building







