





Urban Search and Rescue

RESPONSE TO THE HAITI EARTHQUAKE DISASTER



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Response to the Haiti Earthquake Disaster

Urban Search and Rescue

- Tech Rescue started in mid-1970s
- Two Federal Government agencies sponsor the team
 - USAID/OFDA (2 Teams)
 - DHS/FEMA (28 Teams)
- Specialize in rescue from reinforced concrete structures





Team Expectations

- Report to POD within 6 hrs
- Air / ground mobile
- Self-sufficient for 72 hours
- Up to 10 day deployment
- 24 hour operation at 2 sites





Response to the Haiti Earthquake Disaster

Full Team Deployments

- **Armenia** Earthquake
- **Philippines** Earthquake
- **Oklahoma** Terrorist Attack
- **North Carolina** Hurricane Fran
- **Nairobi, Kenya** Terrorist Attack
- **Izmit, Turkey** Earthquake
- **Touliu, Taiwan** Earthquake
- **Duce, Turkey** Earthquake
- **Virginia (Pentagon)** Terrorist Attack
- **Bam, Iran** Earthquake
- **Mississippi/Louisiana** Hurricane Katrina
- **Virginia** Hurricane Ophelia
- **Texas** Hurricane Rita
- **Florida** Hurricane Ernesto
- **Georgia** Hurricane Gustav
- **Louisiana** Hurricane Ike
- **Pétionville, Haiti** Structure Collapse
- **Port-au-Prince, Haiti** Earthquake



Urban Search and Rescue

Response to the Haiti Earthquake Disaster

Task Force Components:

– Search





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Response to the Haiti Earthquake Disaster

Task Force Components:

- Search
- Rescue





Urban Search and Rescue

Response to the Haiti Earthquake Disaster

Task Force Components:

- Search
- Rescue
- Medical





Urban Search and Rescue

Response to the Haiti Earthquake Disaster

Task Force Components:

- Search
- Rescue
- Medical
- Command and General Staff





Urban Search and Rescue

Response to the Haiti Earthquake Disaster

Task Force Components:

- Search
- Rescue
- Medical
- Command and General Staff
- Logistics





Response to the Haiti Earthquake Disaster

Earthquake Details

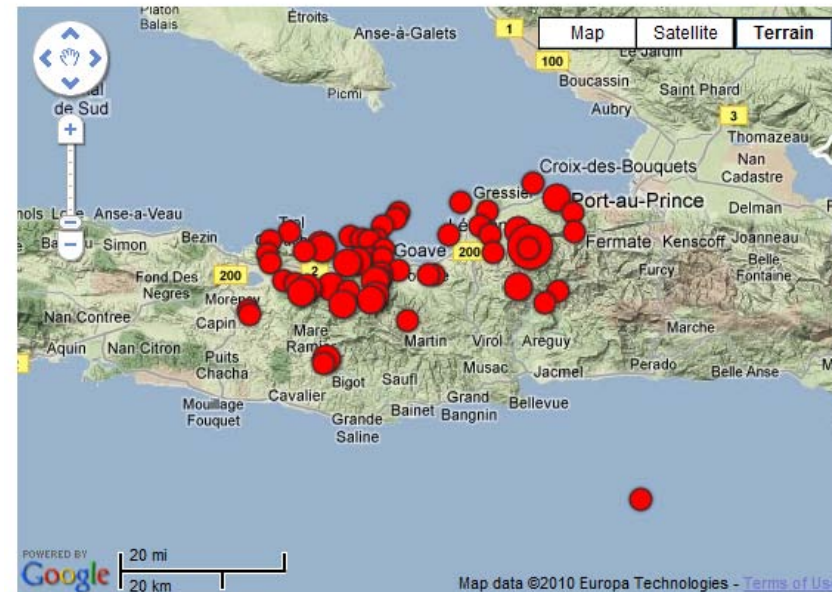
- 7.0 magnitude Earthquake strikes January 12, 2010, at 1653 hours
- Epicenter about 10 miles southwest of Port-au-Prince, Haiti
- Most powerful earthquake to hit Haiti in a century
- Initial media reports suggested:
 - High number of casualties (100K-200K)
 - Widespread damage
 - Urgent need for Search and Rescue





Earthquake Details

- Aftershocks from 1/12/2010 – 2/5/2010
 - M6.0 occurred 7 minutes after quake
 - M5.9 occurred 1/20/2010
 - 16 at M5.0 or greater
 - 59 at M4.5 or greater





Response to the Haiti Earthquake Disaster

Port-au-Prince, Haiti Details

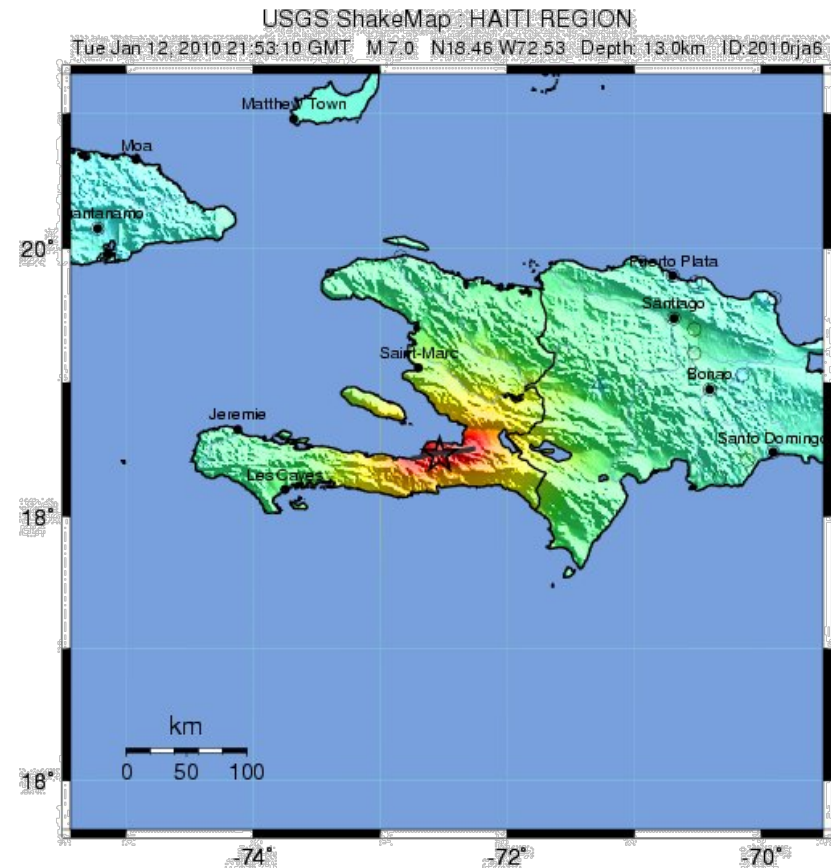
- Area: 14.7 square miles
- Population: 1,000,000+
- Density: 70,000 / square mile
- Experience: 2008 School Collapse





Activation

- 38 minutes later USAID mobilizes:
 - USA1
 - USA2
 - AST
 - UNDAC Member
- Fastest deployment decision to date from USAID
- Mobilization process begins





Urban Search and Rescue

Response to the Haiti Earthquake Disaster

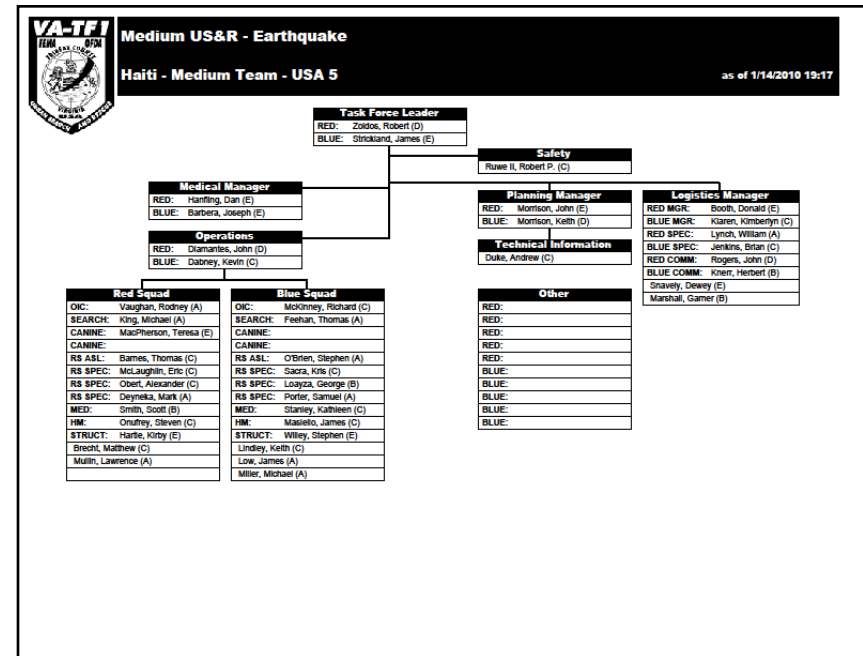
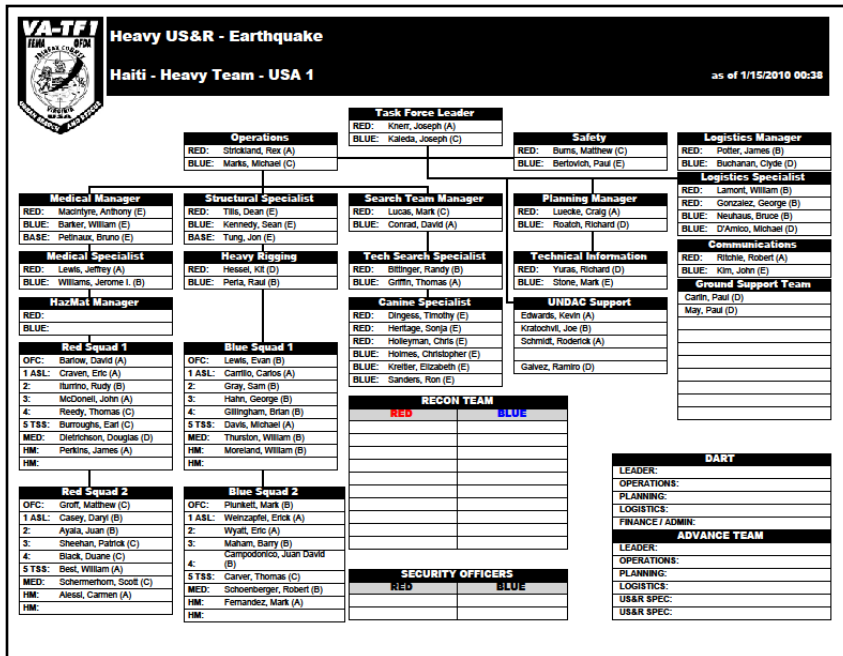
Team Configurations

USA-1 (Heavy)

- 72 members + 6 canines
- Arrived within 24 hours

USA-1 (Medium)

- 42 members + 1 canine
- Arrived within 60 hours

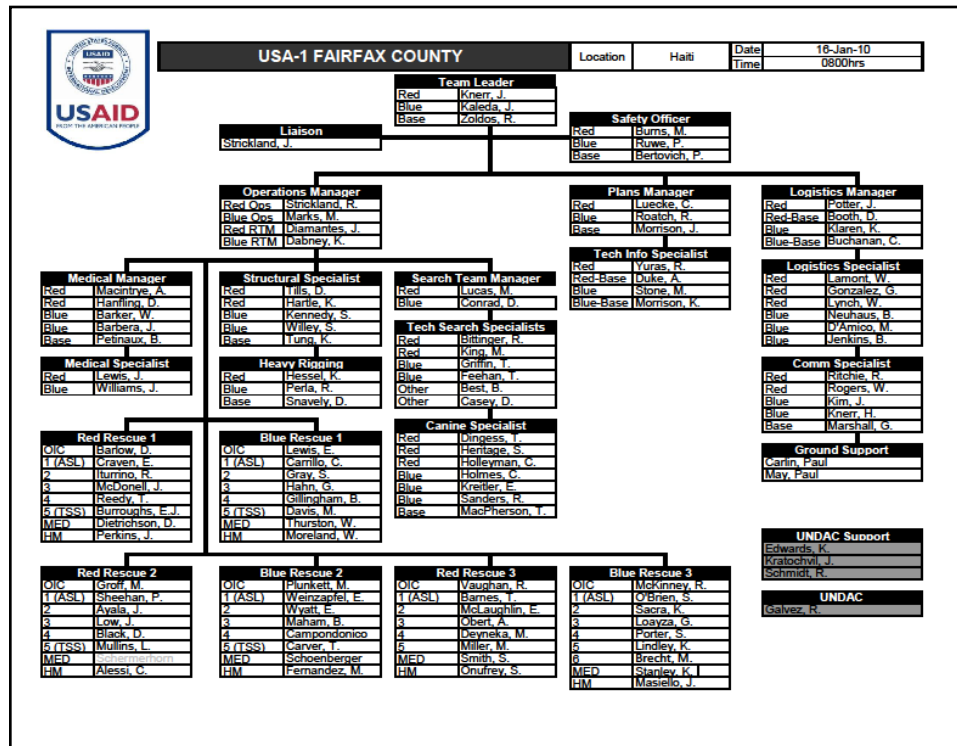




Team Configurations

USA-1 (Super Jumbo)

- Combined upon arrival of Medium Team
- 114 members + 7 canines





Operations

- Arrive at US Embassy around 2000 hrs
- BoO is being set up
 - BoO Site determined by the DART & RSO
 - Still an active embassy – evacuating American citizens
 - Benefit of Embassy vs. OSOCC:
 - Transportation
 - Water
 - Electricity
 - Security

2100 TFL's meeting with DART & ASO

- Priority building being assigned
- Security briefing
- Compound rules





Timeline of Operational Highlights

- 2245 UN Minustah Rescue of 1-37YOM
(Concluded 1-14-10 0742)

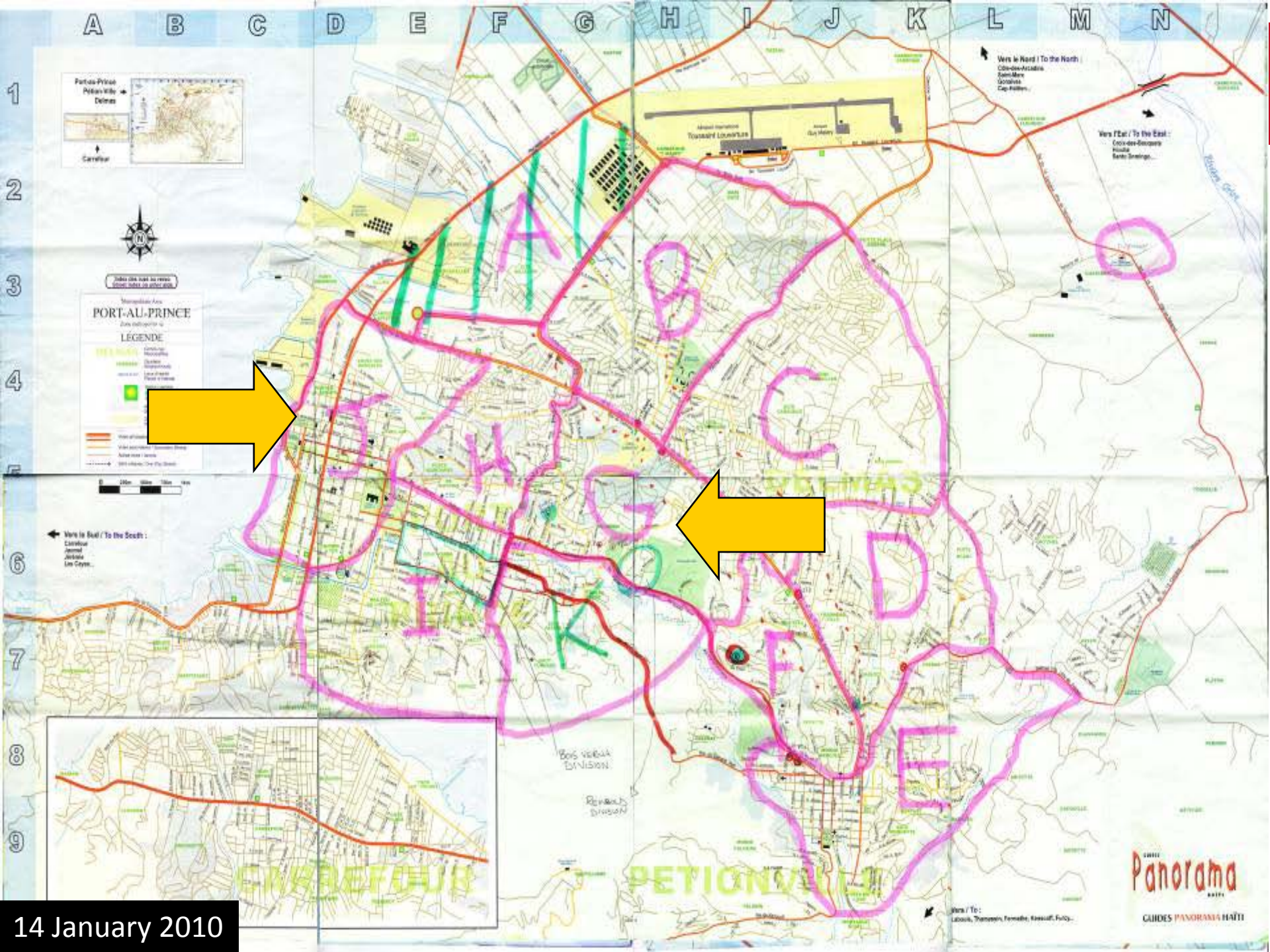


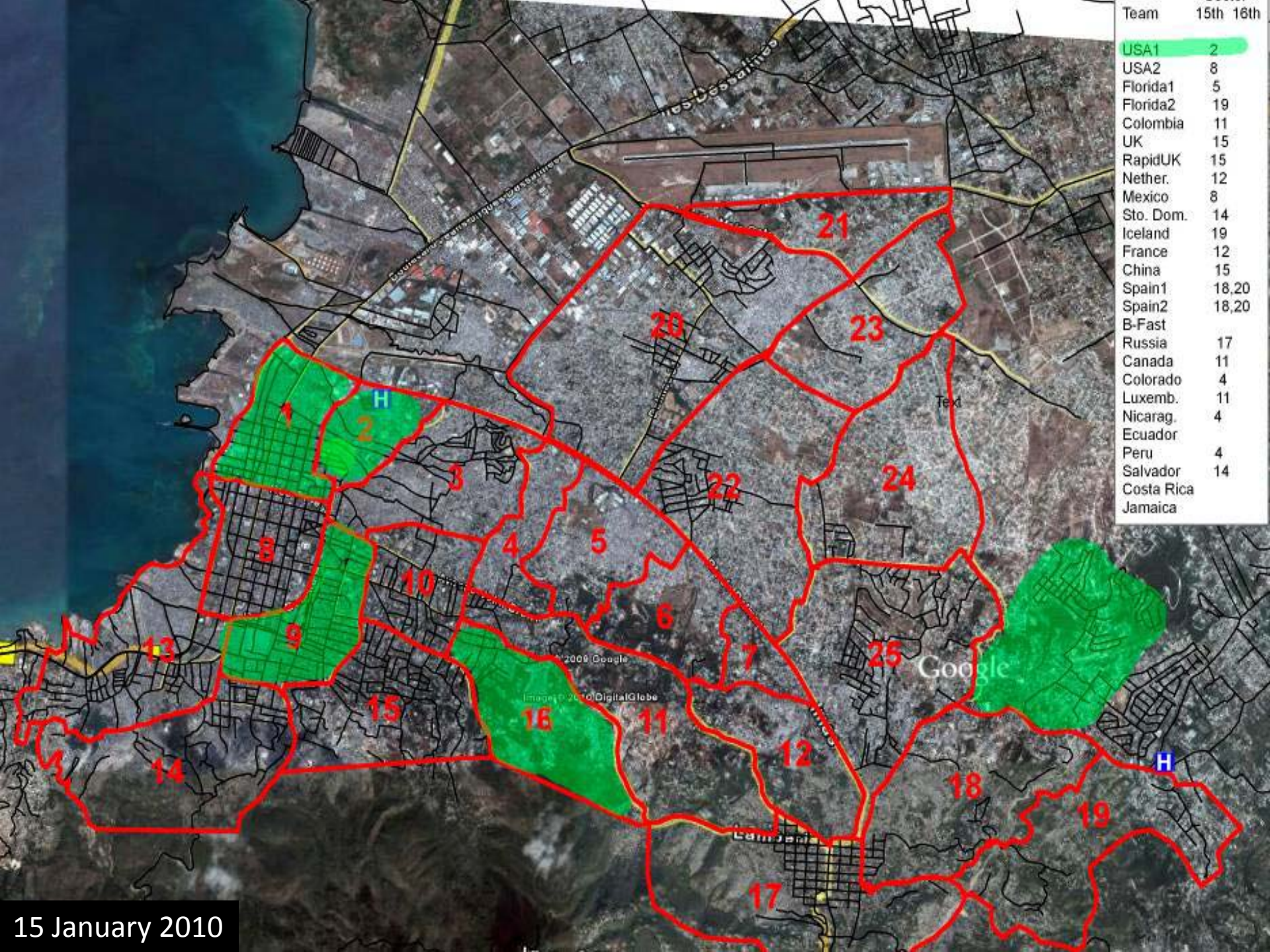


Timeline of Operational Highlights

- 0645 Hotel Montana Operations begin
- Numerous assignments from USAID-field assessments
- Rescue Squads and RECON squads in full "Blitz Mode"
- Coordinating operations with LAFD (USA2)
 - Develop and assign Divisions for PAP
- 1640 Recon assigned JULIET Division
 - 1830 diverted to assist Iceland at Caribbean Market
- 1705 Recon assigned GOLF Division
- Midnight - Units completed operations other than Hotel Montana
 - **16-Sites were searched**
 - **2-Divisions were searched**
 - **9-rescues were initiated**







Team	15th	16th
USA1	2	
USA2	8	
Florida1	5	
Florida2	19	
Colombia	11	
UK	15	
RapidUK	15	
Nether.	12	
Mexico	8	
Sto. Dom.	14	
Iceland	19	
France	12	
China	15	
Spain1	18,20	
Spain2	18,20	
B-Fast		
Russia	17	
Canada	11	
Colorado	4	
Luxemb.	11	
Nicarag.	4	
Ecuador		
Peru	4	
Salvador	14	
Costa Rica		
Jamaica		

15 January 2010



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Response to the Haiti Earthquake Disaster

Timeline of Operational Highlights

- GRID Search Sector-1 & 9
- 0915 Secondary Search of Hotel Christopher
- **1625 Olympic Market Rescue Assist (DAY 7)**
- 911's





Timeline of Operational Highlights

- 6.1 Magnitude Earthquake
- GRID Search EQ Epicenter
- Carrefour Search Investigations
- 911's
- Begin Humanitarian Aid
 - St François Pediatric Hospital Tent Project
 - De L' Ofatma Hospital Shoring Project
 - Hotel Napoli Investigation
 - Equipment Donations





Response to the Haiti Earthquake Disaster

Operations-The Hotel Montana

- Extremely large resort style hotel.
- Five stories tall in most places.
- Team members made multiple rescues from site during the first few days.
- USA-1 established a continuous presence at the site on January 19 that would continue until relieved by the US Army Corps of Engineers on the January 25.
- Team started the systematic delayering of the structure and established command of the area to include body identification and forensic efforts.





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Response to the Haiti Earthquake Disaster

The Hotel Monana [Structural Stability]

- Multiple Stories in pancake and other style collapses
- Simultaneous multi-team operations





The Hotel Montana [Multiple Worksites]

- Command and control difficult at such a large site.
- Up to eight different teams working simultaneously speaking several languages.





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The Hotel Montana [Political Concerns]

- Multi-government interest in the site.
- Press onsite at all times.
- Several congressional “tours”





Accountability and Documentation

- All Rescue Teams
 - 67 teams
 - 1,918 staff and 160 dogs
 - 130+ rescues
- VA-TF1
 - 114 staff and 7 dogs
 - 16 rescues
 - 9 unassisted
 - 7 assisted



