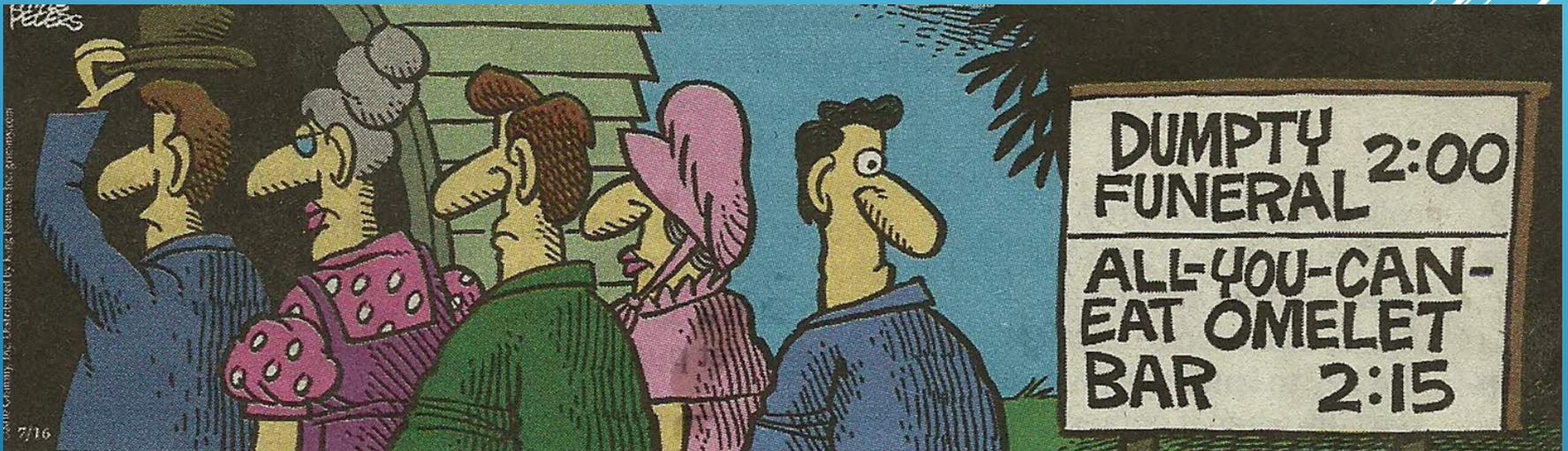


COMMUNITY NATURAL DISASTER RESPONSE



Steven Craig
April 2022
DOH Presentation

E-mail: SCraig7001@gmail.com

DISASTERS/PLANNING – COAST GUARD RELATED

- ▶ Hurricane Katrina – 5 details over 16 months
 - ▶ COOP planner- Rewrote unit COOP plan. CG Sector New Orleans
 - ▶ Senior Officer on scene – relocation site Alexandria, LA
- ▶ Hurricane Ike
- ▶ Deepwater Horizon oil spill
 - ▶ Incident Commander – Mobile – 2 week assignment
- ▶ Haiti earthquake – Port Recovery Planner (Virginia)
- ▶ COOP planner- CG Sector Portland – 2 years
- ▶ Hawaii port continuity/salvage planner (Coast Guard GS12) – 2 years
- ▶ Asia Pacific Economic Conference – maritime planner – 1 year assignment
 - ▶ Conference with the heads of states including the U.S., China, Russia

Over 38 years Coast Guard active and reserve. Retired as Captain (O6)

Steven Craig – Background – Civilian

- Certified Emergency Manager - CEM (Lifetime member)
- Master Exercise Practitioner (FEMA)
- FEMA COOP trainer
- Professor Emergency Management studies (2 weeks) Pavia, Italy
- **Boistfort Valley** – EOC manager/ Planning Section Chief
- Senior Project Manager/ Planner (contract)
 - **2015-17 American Native Disaster Plan – Pacific Northwest/Alaska Senior Planner**
 - **Region X Energy Plan**
 - Alaska Earthquake Plan (FEMA) (Winner FEMA natl Pinnacle planning award)
- **State of Washington** Department of Emergency Management
 - Monitor ICS compliance
- Columbia County (Oregon) Emergency Management
- **TESC Emergency Coordinator and Planner**, Olympia, Washington

CHRONICLES *of* **KATRINA**

Lessons Learned from the
Hurricane Katrina Disaster for
your Home Preparedness Planning

With Foreword written by
former FEMA Director Michael Brown



Steven J. Craig

FORWARD WRITTEN BY FORMER
FEMA DIRECTOR MICHAEL
BROWN

BOISTFORT VALLEY FLOODS 2007



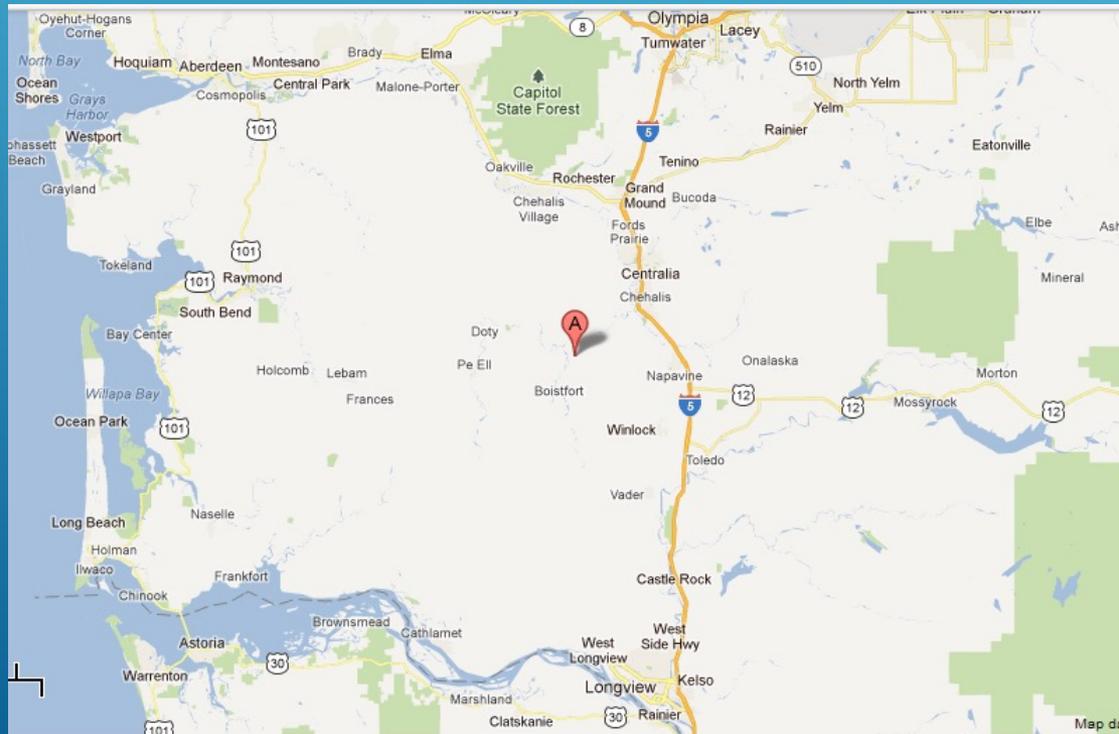
[WA Flooding - 2007 - YouTube](#)

Good things
happen here





BOISTFORT VALLEY, WASHINGTON STATE



Boistfort, Washington 2007 flood disaster

- ▶ Planning Section Chief
- ▶ Emergency Operations Center Manager



BACKGROUND

Record amount of rain fell in West Lewis County on December 1 and 2, by the morning of December 3rd the area was devastated by massive flooding, most notably in the Boistfort Valley.

Thousands of livestock and animals were killed, but no humans

Rescues conducted throughout the day and night – often with the aid of night-vision goggles and GPS coordinates to find houses

Months later, over 2441 damage claims for Lewis County had been filed with FEMA.

CHRONICLE NEWSPAPER (CENTRALIA) HEADLINES

- ▶ December 4, 2007: “**Washed Out.** Interstate 5 Shut Down Until Thursday. Helicopters, National Guard Rescuers Respond Through the Night as Flood Waters Wreak Havoc Through Pe Ell, Adna, Twin Cities. Rivers Run Wild. Families Wait on Rooftops for Rescue”
- ▶ December 5, 2007: “It Came so Fast. Record Floods Devastate Lewis County. Interstate 5 Closure Rolls Into Friday”
- ▶ December 6: “Digging Out. **It’s just 40 years of your life floating by**”
- ▶ December 8: “Livestock Loss. Farmers Recovering from Flood Shock”
- ▶ **December 12: “Suicide and Despair. Need of Depressed Flood Victims Larger Than Supply of Help”**
- ▶ December 19: “The Business of Recovery. It’s a Traumatic Situation...The Best Comes Out”

Boistfort Valley resident:

“When the rain came it was a “pineapple express,” a storm which originates in Hawaii; warm air which picks up water as it travels east over the Pacific. When the storm hit there were no less than 24 inches of snow on Boistfort Peak.

The temperature rose about 14 degrees, and an additional 12-15 inches of rain fell in the Willapa Hills. The storm was so wide that it hit both Boistfort Peak and Pluvius, melting the snow in the hills and swelling both rivers. In the Boistfort Valley the water rose 5-10 feet higher than in 1996: The perfect storm.”

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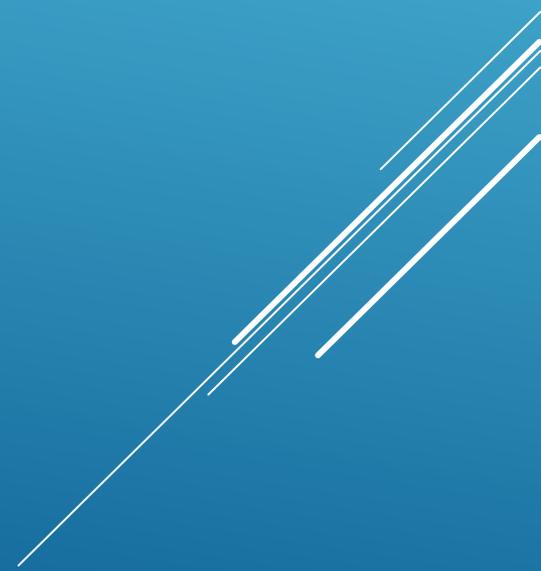
OUR EMERGENCY OPERATIONS CENTER



BRIEF LESSONS LEARNED FROM THE DECEMBER FLOODS – HOME OWNERS

- ▶ Disasters can occur during the night- be prepared
- ▶ Have copies of valuable documents stored elsewhere (passports, pictures, etc)
- ▶ Arrange to meet at certain location in advance
- ▶ Be organized in advance, both individually and as a community – train on ICS.
- ▶ Out-of-Area contact/ ARC ‘Safe and Well’ web site
It allows people to list their own status and allows friends and family to search for messages from their loved ones.
- ▶ Have copies of electronic records stored elsewhere

LOCAL EMERGENCY RESPONSE ACTIONS

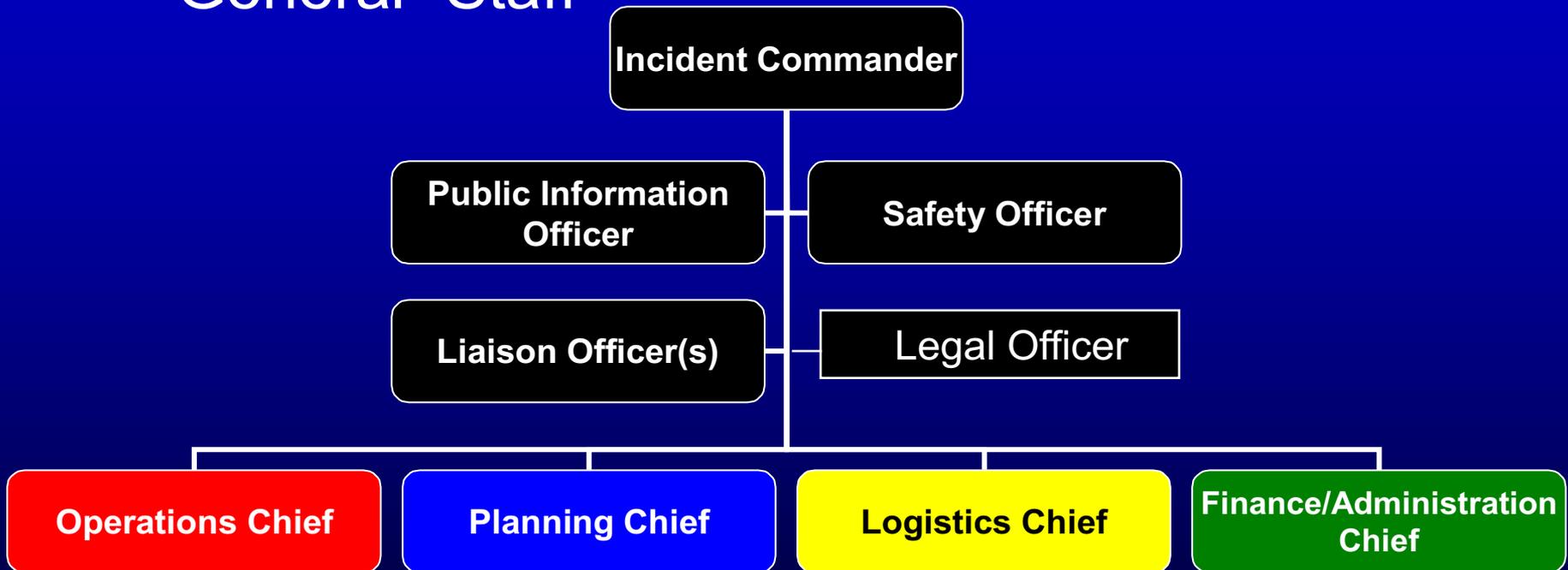


- ▶ Need to have an awareness of the flood issues and what has been damaged
- ▶ Need to have an effective, organized response to the disaster (ICS)
- ▶ Need to have the ability to coordinate the dozens (or more) volunteers that will be showing up within the next few days. If not planned in advance, potential volunteers will leave in frustration and not come back. Need a dedicated volunteer coordinator(s)
- ▶ Food, water, sanitation issues (for the volunteers)
- ▶ Training issues (EOC positions, field positions, reporting procedures)
- ▶ Donation coordination and control
- ▶ Requires 'thinking outside the box' for some solutions

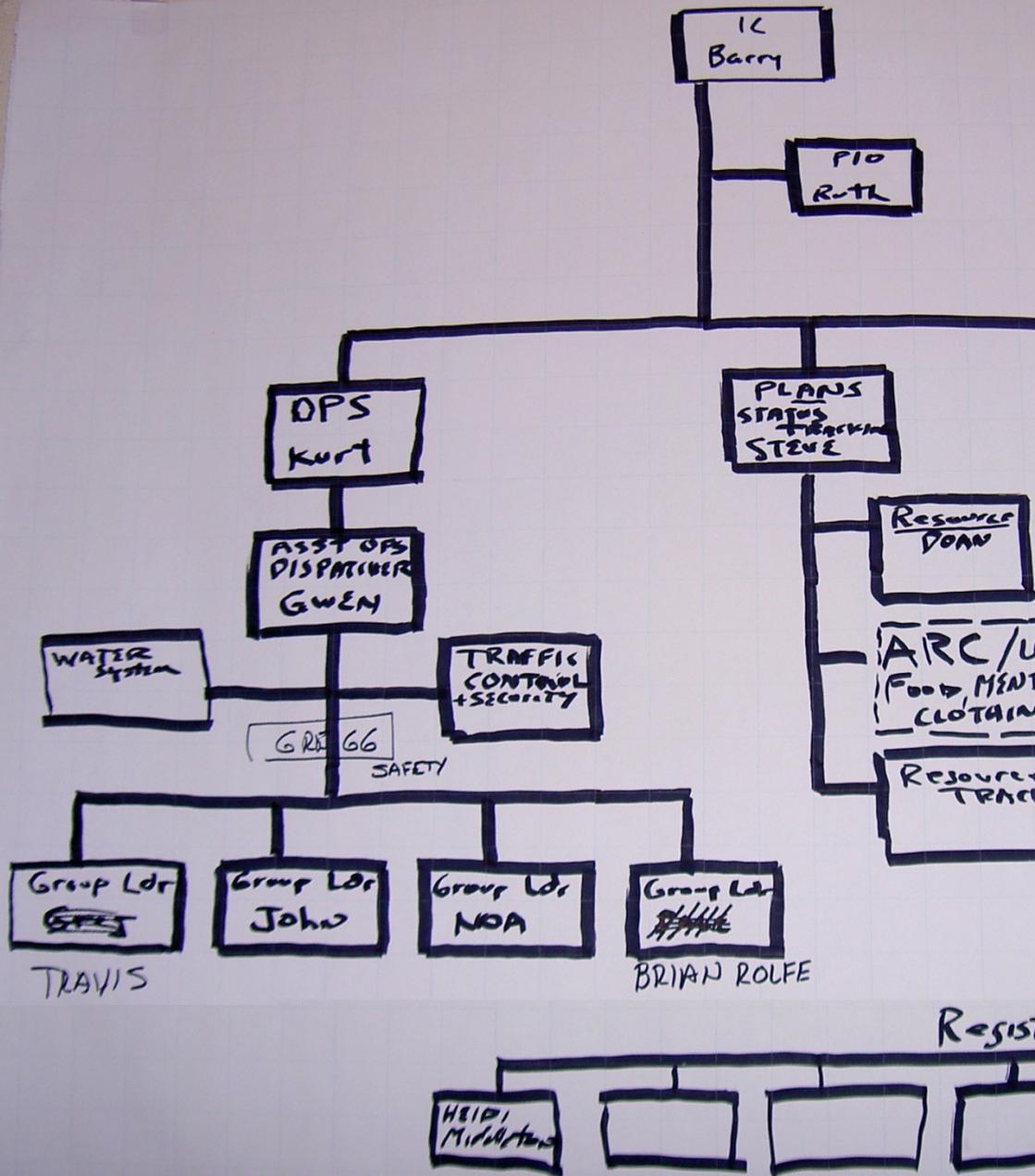
- ▶ Identify backgrounds of all emergency operations center people
 - ▶ Based on the backgrounds, identify positions that can be filled - Develop the Organization Chart
 - ▶ Identify the leader (police, fire background perhaps)
 - ▶ Conduct short training for each position
 - ▶ Develop a volunteer coordination program as soon as possible
 - ▶ Immediately ask for help
 - ▶ Key positions – IC, PAO, OPS, PLANNING
 - ▶ Track hours of volunteer work
 - ▶ Look for depression, stressed, overworked
- 

ICS Organization

- The Incident Commander's "Command" and "General" Staff



Span of control
3-7 personnel



Carrina Stanton / For The Chronicle

Steven Craig looks over an organizational chart he put together for the Boistfort emergency operations center following the recent local flooding. Craig had volunteered to clean out homes but was asked to help out at the EOC because of his background in emergency management and having helped out following Hurricane Katrina.



UNITED STATES POSTAL SERVICE

We Deliver To You

MOBILE
POSTAL RETAIL STORE



UNITED STATES POSTAL SERVICE

U.S. POST OFFICE
ESTABLISHED 1901
CURTIS, WASHINGTON 98538

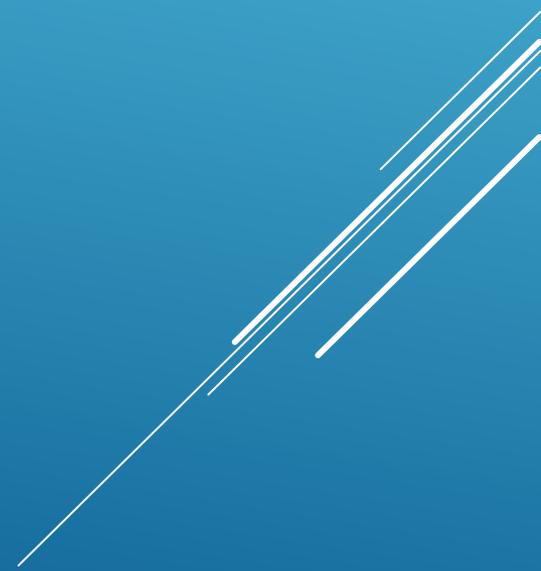


Working in the Emergency Operations Center as a volunteer helping your friends and neighbors in a disaster situation will be the most frustrating, confusing, disorganized, unnerving, aggravating, experience of your life.

It will also be your most rewarding.



HEALTH AND SAFETY ISSUES



'LOOKY LOOS'

Roads throughout Boistfort Valley are two lanes, most with no shoulders

- First weekend, hundreds of 'looky loos' showed up, clogging the roads
- Should an emergency vehicle have needed to enter, such as a fire truck, it would have been impossible.

Issue: What to do for the second weekend?

THE ANSWER

Radio announcements went out asking for non-volunteers not to show up

The operations chief called the county public works road department and asked for permission to restrict entry. Request denied.

After several frustrating attempts to resolve the issue, the operations chief started smiling and asked the crucial question:

“Do you folks work the weekend?”

“No, of course not.”

“Never mind.”

COUNTY ROAD CLOSURE

On Saturday morning, single lane barricades were set up at the entrance to Boistfort Valley with a older teen group of scouts (?) to operate. They were given specific instructions to be friendly and to explain the situation.

If anyone disagreed, they were then to allow the party to transit the roads. They were not to argue.

Of the several hundred who showed up, not one person argued or attempted to enter.

A decorative graphic consisting of several parallel white lines of varying lengths, slanted diagonally from the bottom right towards the top right, located in the lower right quadrant of the slide.

- ▶ Some residents living in area identified as registered sex offenders. Be aware of who you send out to assist and where they are going.
- ▶ Mold issues and education became a priority as weather conditions warmed. Monitor stress of volunteers and victims
- ▶ Stress of homeowners – mental health counselors provided
- ▶ Fraud of volunteer- claimed homeless. Wasn't.
- ▶ Awareness and training of safety and health issues
 - ▶ Household chemicals
 - ▶ Fitness of the volunteers (walking through 1-3 feet of mud)
 - ▶ Road transportation issues (looky-loos)
 - ▶ How to treat mold in homes (the wrong approach may worsen the situation)



Boistfort Valley

BOISTFORT VALLEY

MUD, MUD, MUD...

- ▶ What are the hazards volunteers and staff should be aware of when dealing with mud?
 - ▶ Hazmat from garages
 - ▶ Normal household cleaners
 - ▶ Dead animals (what to do with dead cattle?)
 - ▶ Sharp objects hidden in the mud
 - ▶ Confined spaces under homes (vapors)
 - ▶ Unfit volunteers walking through thick mud
 - ▶ Cold/hot weather conditions
- 
- A decorative graphic consisting of several parallel white lines of varying lengths, slanted diagonally from the bottom right towards the top right, set against the blue background.



Deepwater Horizon oil spill

Considered one of the largest environmental disasters in U.S. history

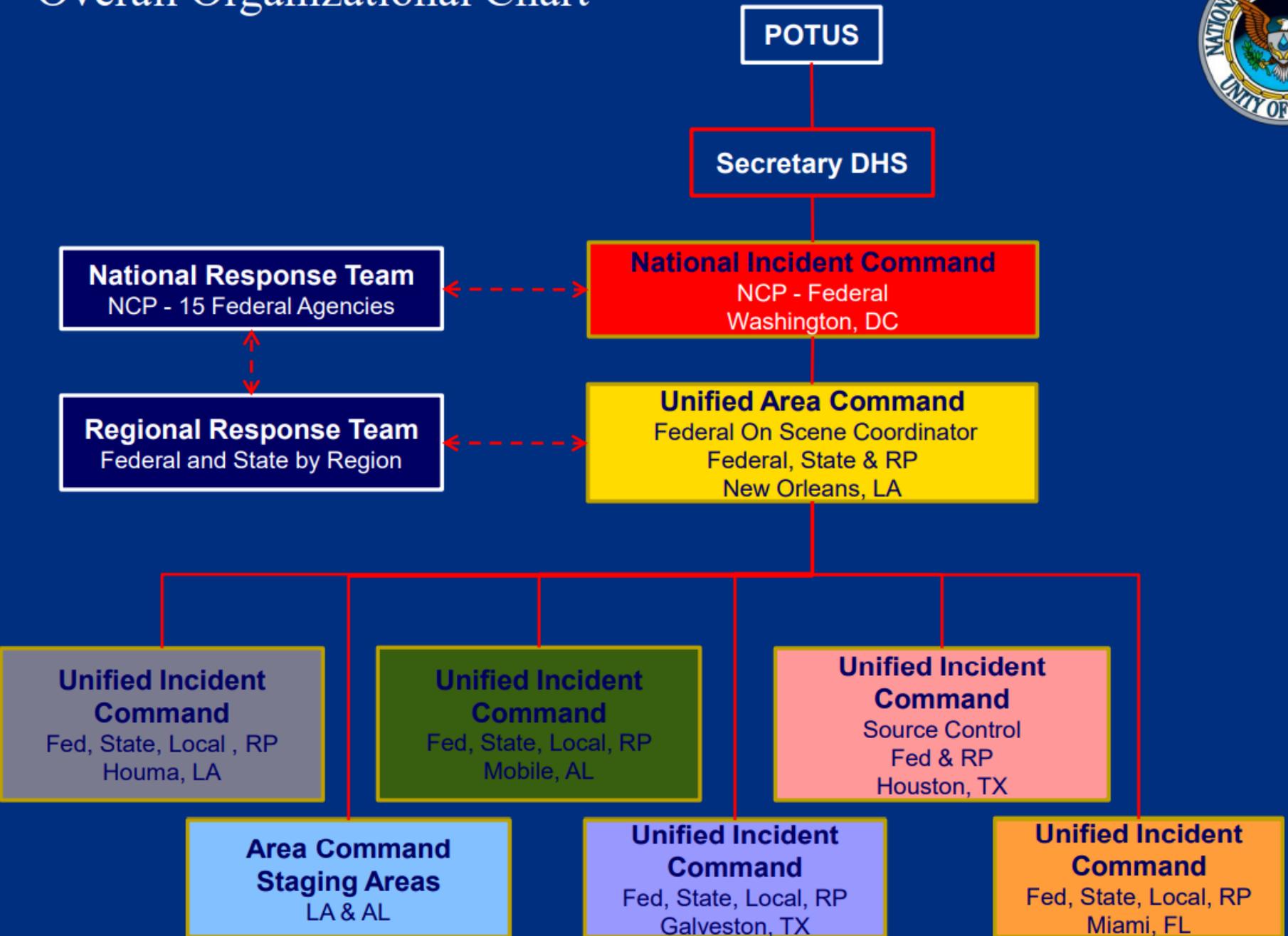
Explosion and subsequent spill occurred April 20, 2010, spilling 4.93 million barrels of oil into the Gulf of Mexico, covering beaches throughout the south east coastal region

11 workers on the oil rig were killed from the explosion and fire

Well was finally capped on September 19, 2010

Over 8500 Coast Guard personnel worked on the spill

Overall Organizational Chart



Health and Safety Issues

Normal issues with an oil spill

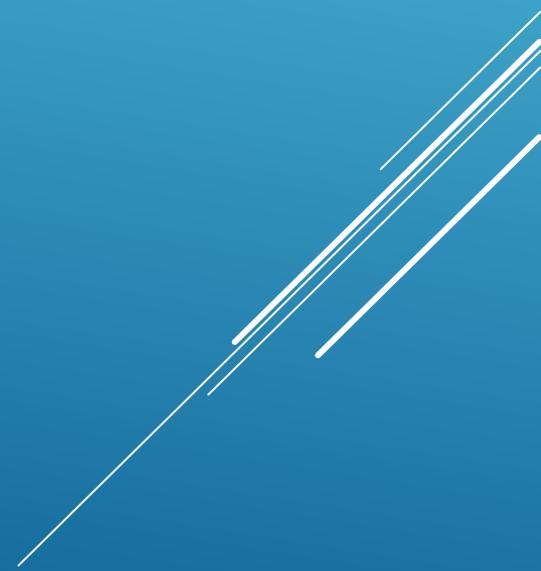
22% of CG personnel who worked on the spill itself have experienced health issues (cough the most prevalent)

Planning needs to conduct analysis of affected areas (beach area noted for turtles laying eggs)

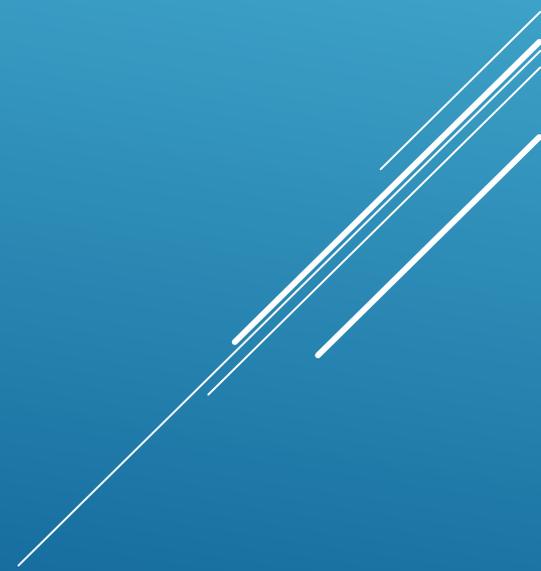
WAC:

- Tar ball battle between cleanup workers and environmental group – Florida beach

HURRICANE KATRINA



[Hurricane Katrina Day by Day | National Geographic - Bing video](#)



KATRINA – LATE AUGUST 2005

- ▶ 80% of New Orleans flooded when levies failed
 - ▶ \$125 billion in damages throughout the region affected
 - ▶ 1800 fatalities
 - ▶ Winds up to 173 mph
 - ▶ Struck land as a Cat 4 hurricane with winds up to 120 mph
 - ▶ 26 foot storm surge struck the coastal cities of Gulfport and Biloxi, Mississippi
 - ▶ 5 million people without power
- 

HURRICANE KATRINA

AUGUST 23-31
2005

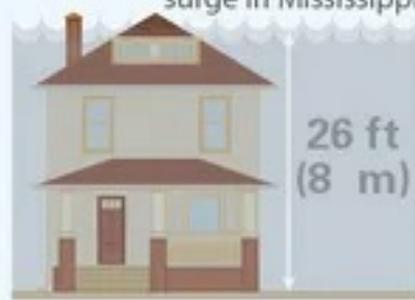


Costliest hurricane in the U.S.
Nearly **106 billion** U.S. dollars.
Damage caused by Superstorm Sandy, which struck in 2012, was approximately 71 billion U.S. dollars

62
tornadoes in 8 states spawned from the storm



lives lost
1,200



Aug. 28, 8:00 PM EDT
category 5, 160-mph winds

Aug. 29, 8:00 AM EDT
category 3, 125-mph winds

Aug. 25, 8:00 PM EDT
category 1, 80-mph winds

Aug. 24, 8:00 PM EDT
tropical storm, 50-mph winds

Aug. 24, 8:00 AM EDT
tropical storm, 40-mph winds

Aug. 23, 2:00 PM EDT
tropical depression forms

Aug. 26, 8:00 PM EDT

Superdome and flooded streets



Superdome

Parking Garage

Highway and streets

09/05/2005



U.S. COAST GUARD

- ▶ Saved 24,135 lives from imminent danger, usually off the roofs of the victims' homes as flood waters lapped at their feet. Coast Guardsmen "evacuated to safety" 9,409 patients from local hospitals. In total, 33,545 were saved.
- ▶ Seventy-six Coast Guard and Coast Guard Auxiliary aircraft took part in the rescues. They flew 1,817 sorties with a total flight time of 4,291.3 hours in the air. The air crews saved 12,535.
 - ▶ **Air rescues began within 7 hours of Katrina striking. Within 12 hours of Katrina landfall, 29 CG helos were over New Orleans conducting rescues.**

- ▶ A total of 42 cutters and 131 small boats also participated, with their crews rescuing 21,200.
 - ▶ Over 5,000 Coast Guards personnel served in Katrina operations.
 - ▶ Additional missions: Pollution – Over 8 million gallons of hazardous chemicals
 - ▶ Boat salvage – over 620 commercial and recreation boats were sunk
 - ▶ 1,800 Aids to navigation to be repaired or replaced

 - ▶ Critical Incident Stress Managers invaluable, notably to first responders.
 - ▶ Over 60% CG personnel had homes either heavily damaged or destroyed.
- 



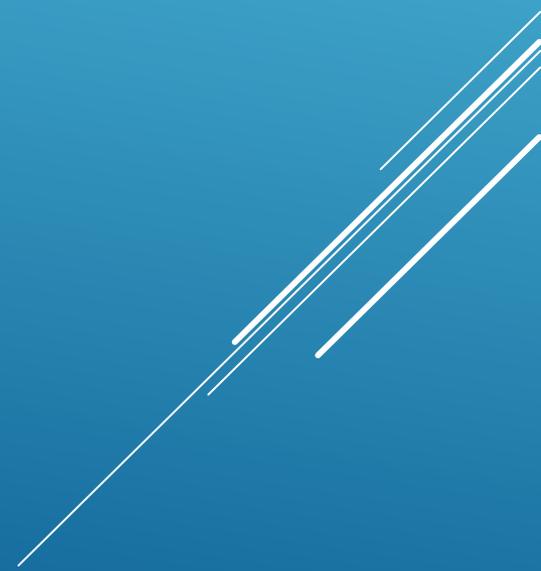
DECONSTRUCTION
Removal of
7,000 sq ft of
structure
QUANTY CASING
BY DATE
2008-10-15



Personal Observations

- Flying into New Orleans – thousands of blue tarps nailed onto rooftops
- Drive for miles inside New Orleans and not see anyone
- Observe numerous American Red Cross vans driving around and passing out food to either residents (few) or first responders
- Mud on everything
- Destroyed refrigerators everywhere, waiting to be picked up
- Wood debris from cleanup on every street
- Many parts of New Orleans like a ghost town; driving around numerous debris piles
- People, both victims and responders, deeply depressed
 - Many of the Coast Guard responders suffered complete loss of homes
- Thousands of FEMA trailers throughout the city
- Initially, no restaurants available – Responder tent cities sprung up
 - Coast Guard brought in a mobile kitchen along with a mobile sanitation
- Restaurants and hotels eventually opened up – finding workers became the primary issue
- Gumbo is good

Community Partner Relationships



Walmart

Walmart, the world's largest retailer, operates 4748 supercenters and 599 Sam's Clubs across the United States.



Dedicated Emergency Operations Center in Bentonville, AR

Walmart website:

Disaster planning and preparedness includes risk assessments, business continuity planning, and training.

Emergency Management, which is staffed by Walmart associates with extensive experience in law enforcement, meteorology and emergency management, develops plans to help mitigate the impact of disasters on our associates, our stores and our communities.

Walmart Emergency Operations Center (EOC)

Bentonville, AR

Walmart website:

The facility operates seven days a week, 24 hours a day. The center employs a staff of 30 associates whose sole purpose is to monitor potential crises and maintain communications with impacted stores.

When emergency situations arise, the size of the center's staff often swells to 80 to 100 workers.



Walmart and Hurricane Katrina response

Walmart's response to Hurricane Katrina has been universally praised as an example of 'what to do'

Walmart's Hurricane Katrina Response: How They Saved the Day. Amanda Penn. December 12, 2019:

The government's command-and-control system became overwhelmed, with too many decisions to make and too little information available. But authorities clung to the traditional model. They argued with state and local government officials over the power to make decisions, resulting in chaos.

Supply trucks were halted and requisitions for buses were held up while local transit buses sat idle.

WalMart executives, however, took the opposite approach from command and control. They realized Walmart's Hurricane Katrina response could make a huge difference. Recognizing the complexity of the circumstances, CEO Lee Scott announced to managers and employees that the company would respond at the level of the disaster. **He empowered local employees to make the best decisions they could.**

Within 48 hours, employees had gotten more than half the 126 damaged stores up and running



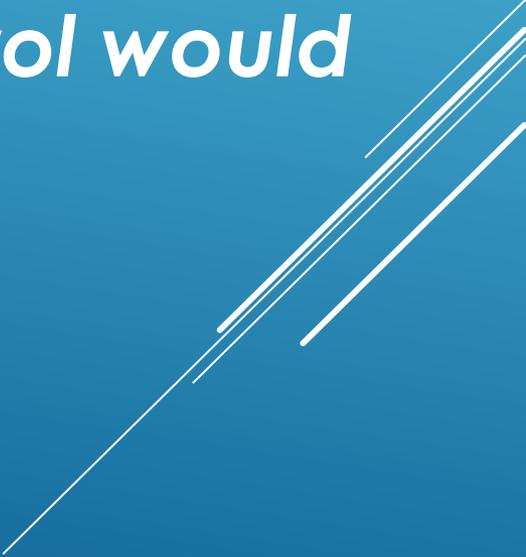
Individuals felt empowered to make their own decisions.

The assistant manager of a severely flooded store drove a bulldozer through it, loaded up everything useable, and gave it away in the parking lot.

When she learned that a local hospital was running out of drugs, she broke into the store's pharmacy to get what the hospital needed.

Within two days, **Walmart provided water and food to refugees a day before the government appeared on the scene.** In total, WalMart sent 2,498 trailer loads of supplies and donated \$3.5 million in goods to shelters and command centers.

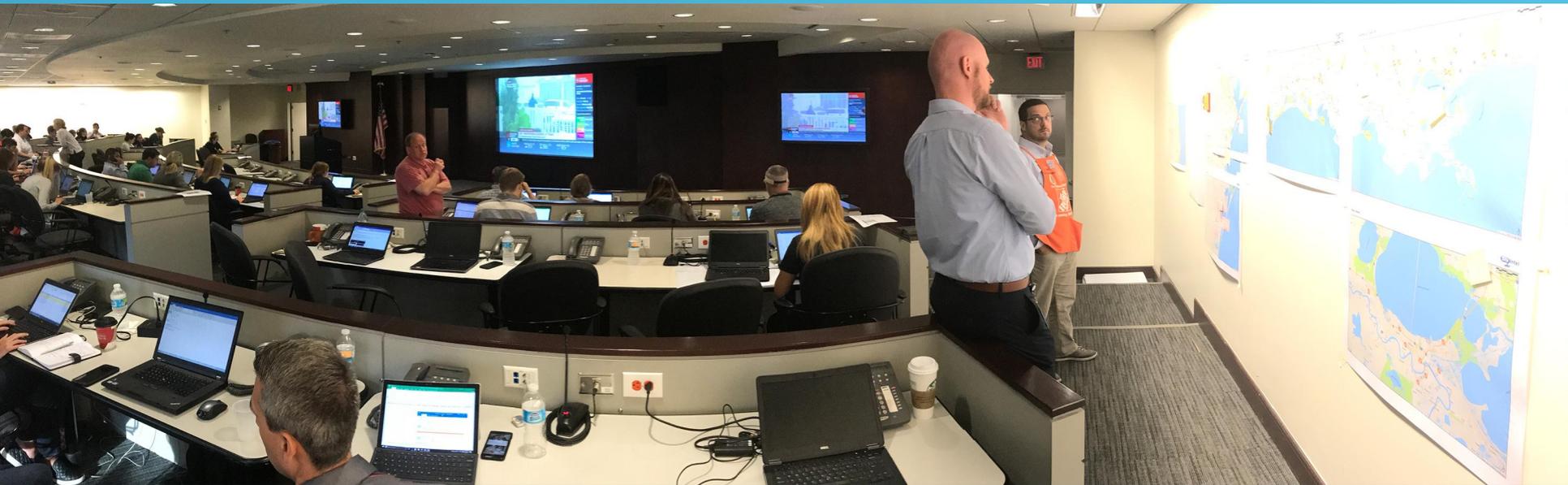
The lesson of Walmart's Hurricane Katrina response is that under extreme and complex conditions, where a single person has insufficient knowledge to make the right calls, ***if people are empowered to act, work together, and adapt, they can achieve extraordinary success where centralized control would fail.***



Home Depot

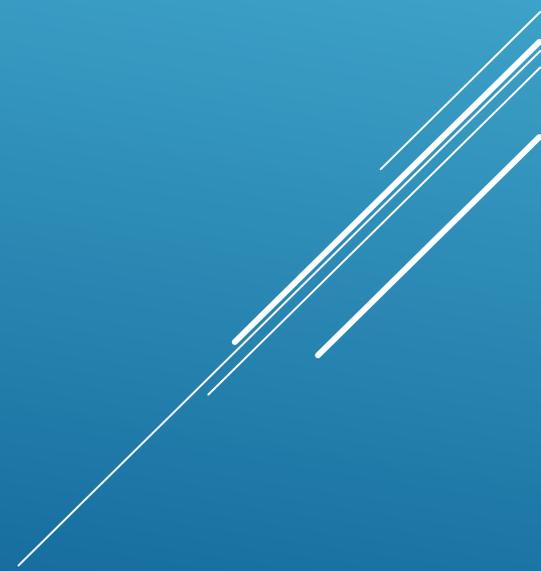
- Outstanding retail response – Opened within days of the disaster.
- **Hurricane Command Center or Disaster Response Center in Atlanta, GA**
 - HD website 2020: *More than 250 associates from the company's merchandising, operations and supply chain teams are working around the clock to move truckloads of products to stores in Hurricane Delta's path. Teams are prioritizing products like generators, flashlights, plywood and batteries.*
- Hired 4 security guards and reduced building retail space
“wood as good as gold” replied one guard
- Thefts down 80%

Home Depot Hurricane Command Center





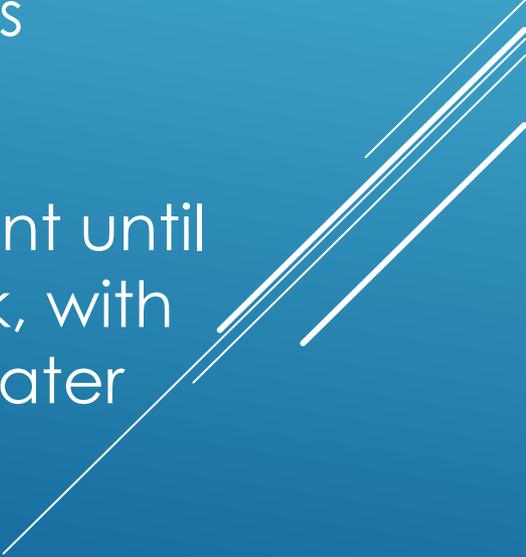
Safety and Health Issues



PUBLIC HEALTH EMERGENCY

- ▶ Over 55,000 people sought shelter following the damages caused by the hurricane
 - ▶ Lack of food, water, sanitation
 - ▶ Lack of adequate security; numerous assaults and thefts
 - ▶ Flood waters potential health problems (bacteria, chemicals)
 - ▶ High temperatures around 90 degrees

An effective military response not present until September 2, 5 days after Katrina struck, with National Guard distributing food and water



REFRIGERATORS

- ▶ 350,000 refrigerators destroyed – either by water or lack of electricity. The destroyed refrigerators took months to be collected from curbsides

“The food was so toxic that it melted plastic, corroded metal, and dissolved rubber refrigerator lines. Even residents who received no flood damage lost their refrigerators in this way.”

Neighborhood ‘wars’

“...He relayed how his neighborhood had finally gotten rid of the eyesores only to have some show up the next morning, dropped off by other neighborhoods.”
Chronicles of Katrina



Transportation

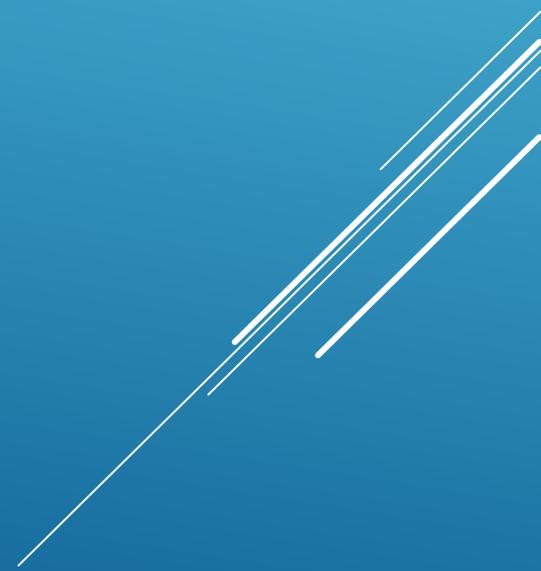
People wait until the last day to evacuate

Problems:

- Roads jammed- 2 hour trip to Baton Rouge now 6-8 hours
- Gas stations running out of fuel or out of power. Cars running out of gas.
- On ramps going into city not blocked
- **Temperatures near 100 degrees.**
- People ignoring evacuation orders



What first responders from out of the area would not normally deal with at a disaster....





Side note: Katrina did destroy one alligator farm. 6000 escaped

Coast Guard Station New Orleans



Sand bags at CG Sector New Orleans

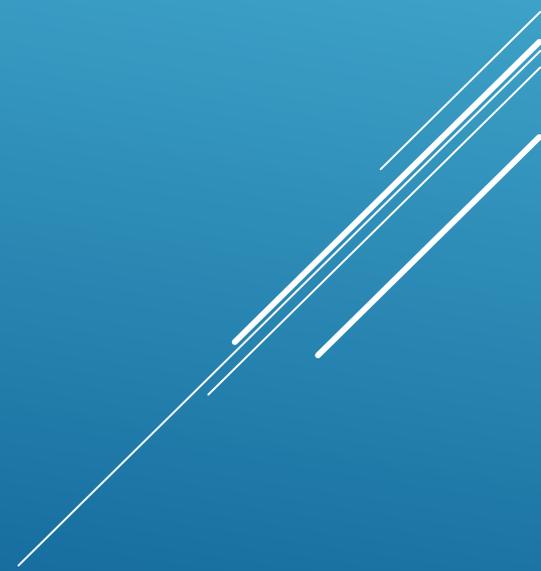


YOU BUY A NEW GENERATOR. IT'S GUARANTEED TO RUN FOR THREE DAYS. ARE YOU PREPARED?

- ▶ Aquarium of the Americas: Failed after a few hours despite the 'guarantee'.
- ▶ Test on a regular basis and run for more than 20 minutes.
- ▶ Note that many generators failed as they were either located in basements or the fuel tanks were located below ground and flooded.



Supply Chain Issues



The Port of South Louisiana is the fifth largest in the world and a key part of America's supply chain.

Many crops were to be exported from New Orleans, but had to be sent elsewhere or stored

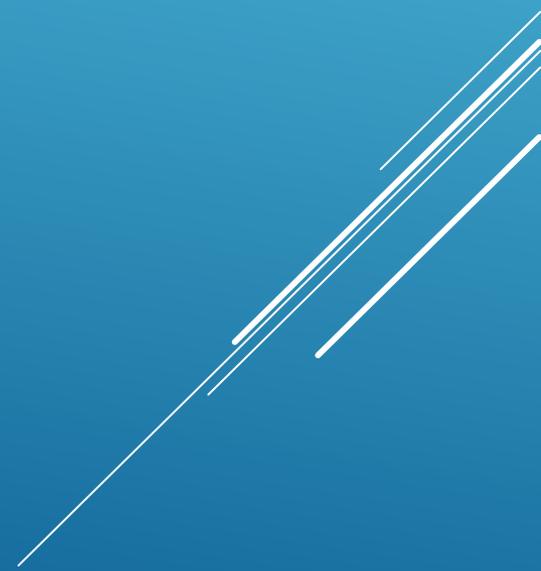
Forced the shutdown of the production of oil and gas, the source for 25% of U.S. crude oil production and 20% of natural gas output

Cell towers destroyed, electricity knocked out for weeks

Debris, boats, ships, and pollution in the Mississippi River, forcing the temporary closure of the river to maritime commerce

Murphy Oil storage tank spilled over 1 million gallons of oil that spread throughout the parish

River buoys displaced

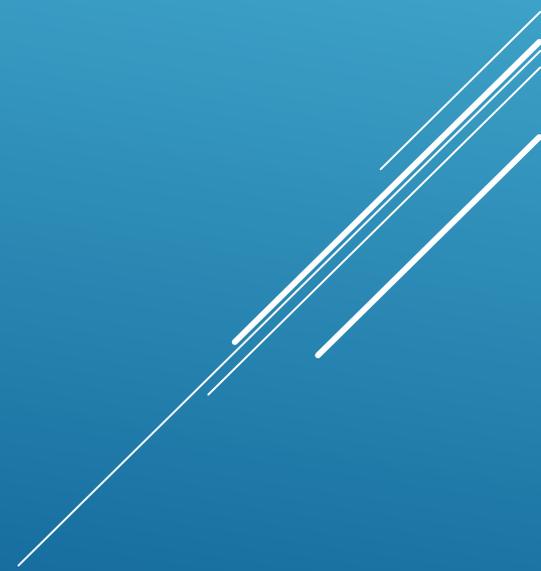
A decorative graphic consisting of several parallel white lines of varying lengths, slanted diagonally from the bottom right towards the top right, set against a blue gradient background.

How to advertise your business or service?

How do you call for help?

How do you find out what's happening?

- No TV
- No computer
- No Radio
- No newspaper
- No electricity



Restaurant Issues

- Lack of workers
 - No housing for workers
- No electricity
- Food supply issues
- Preparation of food

Burger King offered \$5,000 bonuses as did other businesses.



Which restaurants opened first...

Only one restaurant open downtown- first responders crowded the place

- Handwritten menu with 8 items and propane cook stove
 - Concrete floor for easy cleaning.
- 

Mother's Restaurant – NOLA

Mother's Restaurant opened its doors in 1938 on Poydras Street's "Restaurant Row", situated between a thriving waterfront and the courthouse. Owners Simon and Mary (Mother) Landry and his large family cooked up po' boys for lines of longshoremen and laborers, newspapermen and attorneys.

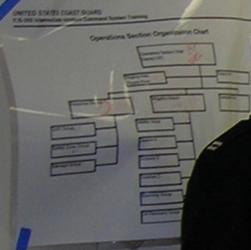


Issue – No housing nearby for workers – Unable to open



This marking means the car has been checked for people who may have been in the car. They also marked the houses like this once they were checked for survivors.





GROUND RULES

CELL PHONES OFF

NO VIBRATION

AGENDA

TACTICS MEETING AGENDA

- PSC brings meeting to order, conducts role call, covers ground rules and reviews agenda.
- SITL reviews the current and projected incident situation.
- PSC reviews incident operational objectives, and ensures accountability for each.
- PSC reviews the Operations Work Analysis (strategy and tactics).
- and/or completes a draft ICS-215 work assignments, resource contingencies, and needed staging areas (i.e., Staging Areas).
- completes Operations Section report.
- resolves any critical safety issues.
- resolves any logistics issues.
- connectivity of tactics and strategy.

OPERATIONAL PLANNING WORKSHEET

Task	Priority	Start	End	Assignee	Status
1. Review Incident Situation	High	0600	0630	ICP	Complete
2. Review Incident Objectives	High	0630	0700	ICP	Complete
3. Review Incident Situation	High	0700	0730	ICP	Complete
4. Review Incident Objectives	High	0730	0800	ICP	Complete
5. Review Incident Situation	High	0800	0830	ICP	Complete
6. Review Incident Objectives	High	0830	0900	ICP	Complete
7. Review Incident Situation	High	0900	0930	ICP	Complete
8. Review Incident Objectives	High	0930	1000	ICP	Complete
9. Review Incident Situation	High	1000	1030	ICP	Complete
10. Review Incident Objectives	High	1030	1100	ICP	Complete
11. Review Incident Situation	High	1100	1130	ICP	Complete
12. Review Incident Objectives	High	1130	1200	ICP	Complete
13. Review Incident Situation	High	1200	1230	ICP	Complete
14. Review Incident Objectives	High	1230	1300	ICP	Complete
15. Review Incident Situation	High	1300	1330	ICP	Complete
16. Review Incident Objectives	High	1330	1400	ICP	Complete
17. Review Incident Situation	High	1400	1430	ICP	Complete
18. Review Incident Objectives	High	1430	1500	ICP	Complete
19. Review Incident Situation	High	1500	1530	ICP	Complete
20. Review Incident Objectives	High	1530	1600	ICP	Complete
21. Review Incident Situation	High	1600	1630	ICP	Complete
22. Review Incident Objectives	High	1630	1700	ICP	Complete
23. Review Incident Situation	High	1700	1730	ICP	Complete
24. Review Incident Objectives	High	1730	1800	ICP	Complete
25. Review Incident Situation	High	1800	1830	ICP	Complete
26. Review Incident Objectives	High	1830	1900	ICP	Complete
27. Review Incident Situation	High	1900	1930	ICP	Complete
28. Review Incident Objectives	High	1930	2000	ICP	Complete
29. Review Incident Situation	High	2000	2030	ICP	Complete
30. Review Incident Objectives	High	2030	2100	ICP	Complete
31. Review Incident Situation	High	2100	2130	ICP	Complete
32. Review Incident Objectives	High	2130	2200	ICP	Complete
33. Review Incident Situation	High	2200	2230	ICP	Complete
34. Review Incident Objectives	High	2230	2300	ICP	Complete
35. Review Incident Situation	High	2300	2330	ICP	Complete
36. Review Incident Objectives	High	2330	2400	ICP	Complete
37. Review Incident Situation	High	2400	2430	ICP	Complete
38. Review Incident Objectives	High	2430	2500	ICP	Complete
39. Review Incident Situation	High	2500	2530	ICP	Complete
40. Review Incident Objectives	High	2530	2600	ICP	Complete
41. Review Incident Situation	High	2600	2630	ICP	Complete
42. Review Incident Objectives	High	2630	2700	ICP	Complete
43. Review Incident Situation	High	2700	2730	ICP	Complete
44. Review Incident Objectives	High	2730	2800	ICP	Complete
45. Review Incident Situation	High	2800	2830	ICP	Complete
46. Review Incident Objectives	High	2830	2900	ICP	Complete
47. Review Incident Situation	High	2900	2930	ICP	Complete
48. Review Incident Objectives	High	2930	3000	ICP	Complete
49. Review Incident Situation	High	3000	3030	ICP	Complete
50. Review Incident Objectives	High	3030	3100	ICP	Complete
51. Review Incident Situation	High	3100	3130	ICP	Complete
52. Review Incident Objectives	High	3130	3200	ICP	Complete
53. Review Incident Situation	High	3200	3230	ICP	Complete
54. Review Incident Objectives	High	3230	3300	ICP	Complete
55. Review Incident Situation	High	3300	3330	ICP	Complete
56. Review Incident Objectives	High	3330	3400	ICP	Complete
57. Review Incident Situation	High	3400	3430	ICP	Complete
58. Review Incident Objectives	High	3430	3500	ICP	Complete
59. Review Incident Situation	High	3500	3530	ICP	Complete
60. Review Incident Objectives	High	3530	3600	ICP	Complete

UNITED STATES COAST GUARD
Operations Section

Operations Section Work Analysis Matrix

Operational Objectives	Optional Strategies	Tactics/Work Assignments
Continue to enforce on-water safety zone within one quarter mile of the straits, on a 24/7 basis.	HOW Use escort patrols to keep transiting vessels from stopping in the area of the safety zone.	WHEN, WHAT, WHERE, WHEN Assign Coast Guard 41443 from Station Thumb Point to coordinate with, and escort vessels through the area of the safety zone. Assign Coast Guard 22313 from Station Thumb Point to serve as backup, and relief vessel for the 41443.
Place law enforcement vessels at strategic locations within the area to keep vessels out of the area.	HOW Assign ICSUC Patrol #12 to the area immediately east of the Yacht Bridge to keep vessels transiting out of the Sangre River from approaching too close to the safety zone.	WHEN, WHAT, WHERE, WHEN Assign ICSUC Patrol #12 to the area immediately east of the Yacht Bridge to keep vessels transiting out of the Sangre River from approaching too close to the safety zone.

UNITED STATES COAST GUARD
ICS-300 Intermediate Incident Command System Training

Unified Command Decisions, Direction, Priorities, Procedures and Task Assignments

- There will be a one stop ordering process with the RP having the right of first refusal on providing needed resources, with exception to Coast Guard assets needed to support traditional Coast Guard Missions.
- UC will review any approve all media releases.
- Command and General Staff need to develop appropriate functional staff to support Command's directions and the size and complexity of the incident.
- UC will sign off on all external requests for incident response information.
- UC wants immediate access to secure communications at the ICP.
- UC wants to establish a cost sharing agreement with all responsible parties.
- The Coast Guard will fill the primary Operations Section Chief position and the state will provide the Deputy position.
- The Operations Period will be for 12 hours and commence at 0600 tomorrow morning.
- The initial ICP will be at Thumb Point for the near future.
- A JIC will be established and have it operational by 0600 tomorrow.

Functional Task

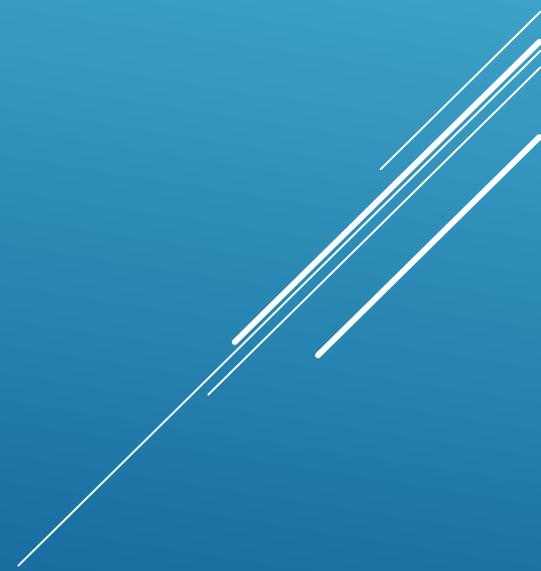
- Develop a media strategy and have signed off by UC. Ensure the JIC operating procedures are covered in the Media Plan *120 1200 1300*
- Conduct a survey of possible long term ICP locations. *LONG 1300*
- Develop a site safety plan for both ongoing operations and future operations. *FC*
- Ensure security is provided at all facilities. Consider establishing Incident ID cards for all responders.
- Provide command a list of all possible funding opportunities.
- Track expenditures and provide burn rates to command every morning before 0600.
- Develop a Plan for keeping stakeholder involved and informed.
- Provide Command with a long term projection on mitigation efforts.

Response Priorities:

- Life Safety for both responders and the public
- National Security
- Protection of the Environment
- Protection of Property
- Restoration of Transportation Infrastructure



6 MONTHS LATER













NEW ORLEANS 2015

- ▶ 1.1 million volunteers have come to work in New Orleans during the past two years, donating nearly \$263 million in free labor
 - ▶ Sales tax receipts near normal
 - ▶ Basic services like schools, libraries, public transportation and childcare are at half original levels
 - ▶ Two-thirds of the region's licensed hospitals are open
 - ▶ Crime is rampant; Police operating out of trailers.
 - ▶ Work on levees not to be fully completed until 2015
 - ▶ 2 dozen deceased still not identified.
- 

NEW ORLEANS 2015

- ▶ Tourism is up to almost pre-Katrina levels along with airport traffic
 - ▶ Increased investments in arts and culture and schools
 - ▶ French Quarter has not changed
 - ▶ Poverty level the same as 2005 at 27%
 - ▶ Violent crime is down from 2005 level, but still twice the national average
 - ▶ Repair of damaged homes on-going
 - ▶ Today's population at 78% of 2005
- 

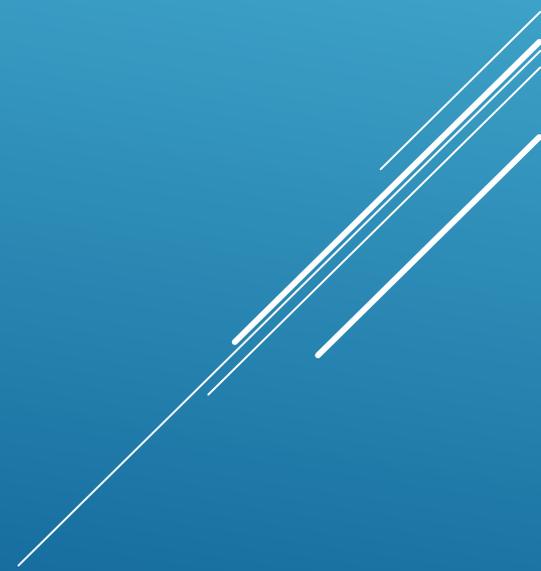
GUTTING HOMES

- ▶ Need to wear adequate clothing (shoes, gloves, masks)

Issues: mud, chemicals in the mud, 'animals', sharp hidden objects

- ▶ Old furniture turned into sawdust
 - ▶ No need to unscrew hinges off of doors
- ▶ Looting / Despicable contractors
- ▶ Try to save mementos – clean and pass to owner
- ▶ Tour busses

SUMMARY HEALTH AND SAFETY ISSUES



Natural Disasters

Katrina

- 'Creatures' in destroyed homes (alligators, snakes)
 - Some homeowners went in with rifles or shotguns (Bobcats)
- Chemicals in the mud
- Thousands of destroyed refrigerators with spoiled contents
- Looters
- Mold issues (Katrina cough)

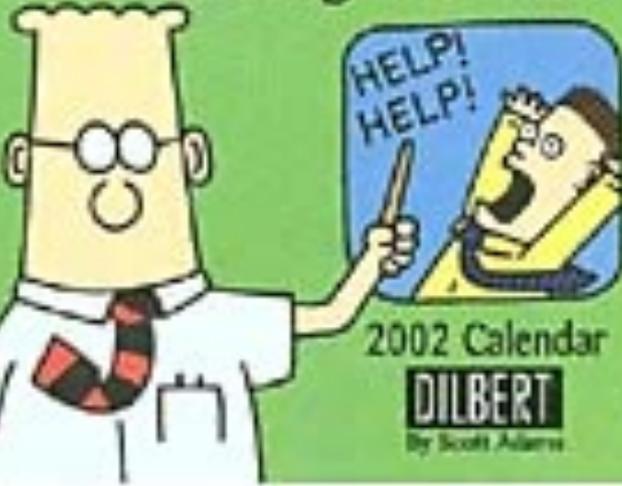
Boistfort Flood

- Chemicals in the mud
- Mold issues

Mold



Our Disaster Recovery Plan
Goes Something Like This...



2002 Calendar
DILBERT
by Scott Adams

Questions?

Anyone seen my
truck?



CONTACT INFO

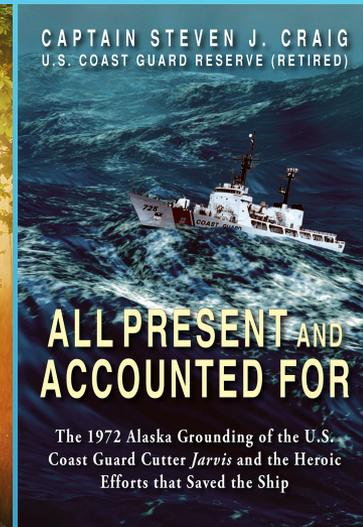
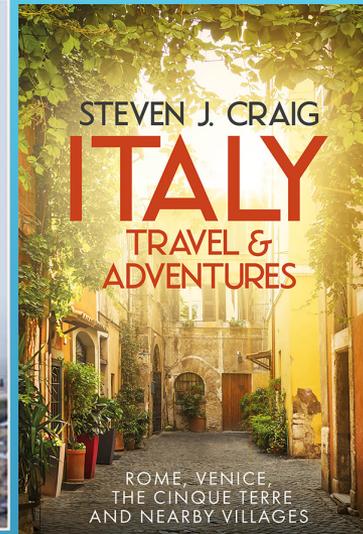
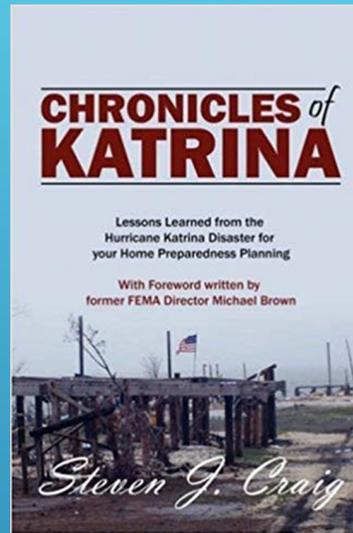
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ADDITIONAL PROGRAMS

- Pearl Harbor – Maritime Supply issues
 - Nisqually Earthquake
 - Introduction ICS 100
 - Katrina picture show
 - Tabletop Exercise Hawaii 2012 Makani Pahili – Port issues
 - Maui Sun exercise and Lesson Learn Haiti earthquake
 - U.S. Coast Guard – Why they excelled in Katrina
 - Haiti Earthquake Port Recovery
- 