



# Deepwater Horizon Oil Spill Response

Scott Lundgren, USCG

September 2010

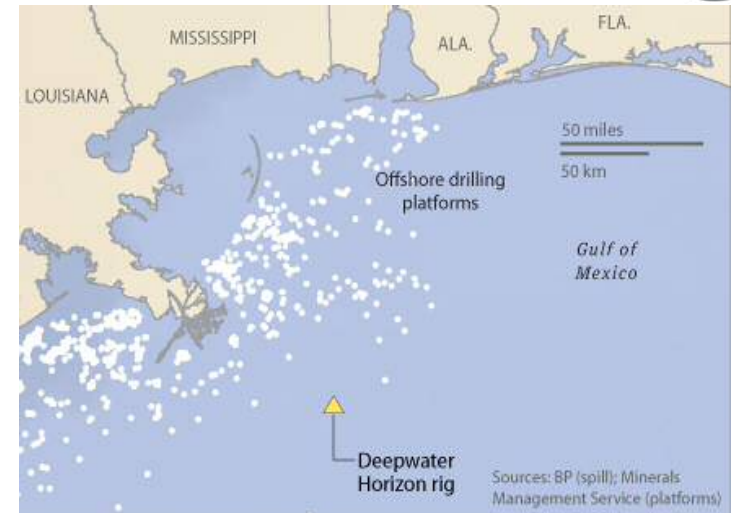
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# Timeline *(and RRT 1 events)*

- *Mar 24-25<sup>th</sup> – SONS 2010 Exercise (ME, NH, MA)*
- **Apr 20-22<sup>nd</sup> – Explosion & Sinking of Mobile Offshore Drilling Unit – DEEPWATER HORIZON**
- **Apr 23<sup>rd</sup> - Unified Area Command established**
- *Apr 28-29<sup>th</sup> – RRT 1 meeting with early DWHZ presentation*
- **Apr 29<sup>th</sup> – Declared a Spill of National Significance (SONS)**
- **May 1<sup>st</sup> – Admiral Thad Allen designated National Incident Commander**
- **May 1<sup>st</sup> – 8<sup>th</sup> – Preliminary Attempts to Secure Source**
- **May 2<sup>nd</sup> – Commenced Relief Well Drilling**
- **May 29<sup>th</sup> – Top Kill Unsuccessful**
- **Jul 15<sup>th</sup> - Well secured**
- **Aug 3<sup>rd</sup> -5<sup>th</sup> – Static Kill**
- **Sep 4 – BOP and LMRP removed from seafloor**



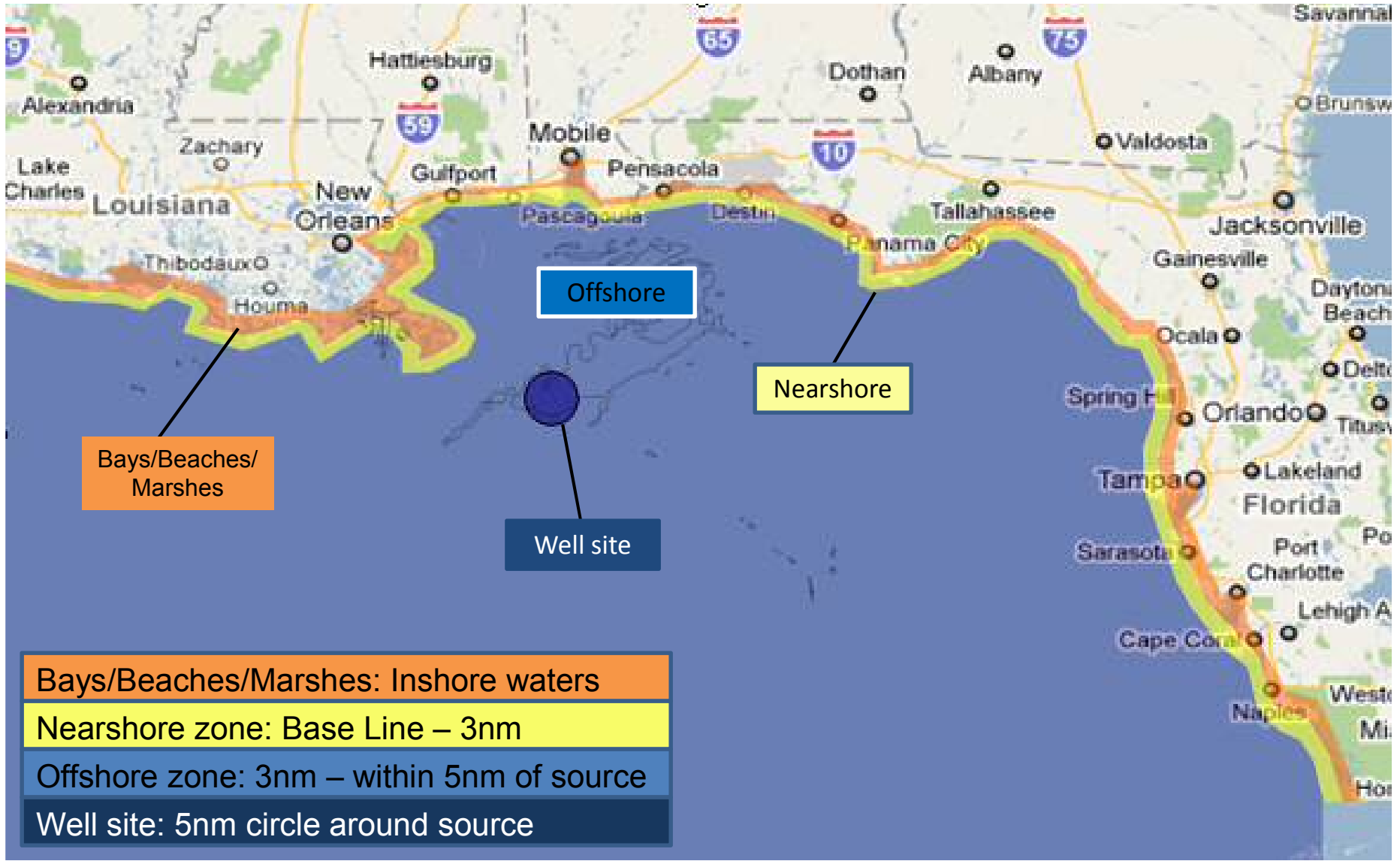


# Response Objectives

- Secure the source
- Fight oil as far off shore as possible
- Protect resources and set conditions for recovery
- Ensure unity of effort



# Concept of Operations





# Offshore Operations



- Skimming
- Dispersants
- In-Situ Burning



# Nearshore Operations



- Skimmers
- Vessels of Opportunity





# Bays/Beaches/Marshes Operations



Booms laid to protect coastline - Venice\_4-29\_6059.jpg



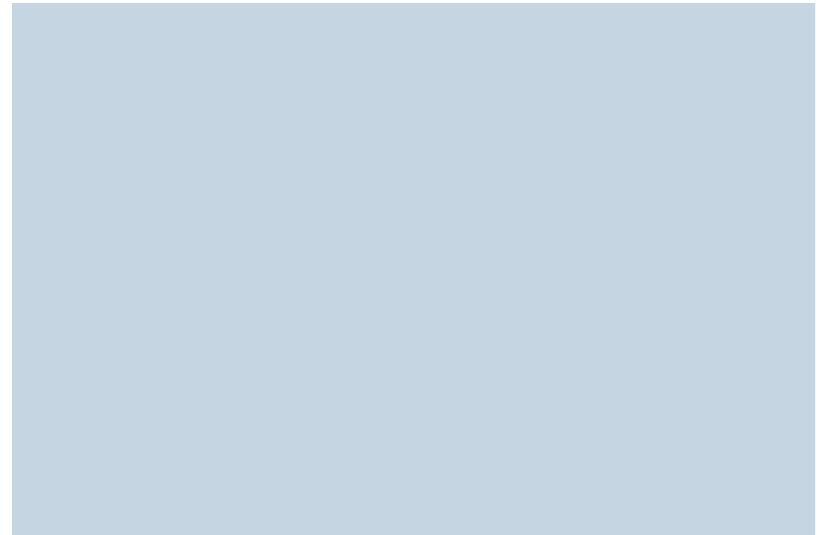
- Skimmers
- Booming & Barrier Establishment
- Shore-line Cleanup Assessment Teams
- Clean-up Personnel
- Wildlife Recovery Personnel



# Ongoing Operational Priorities



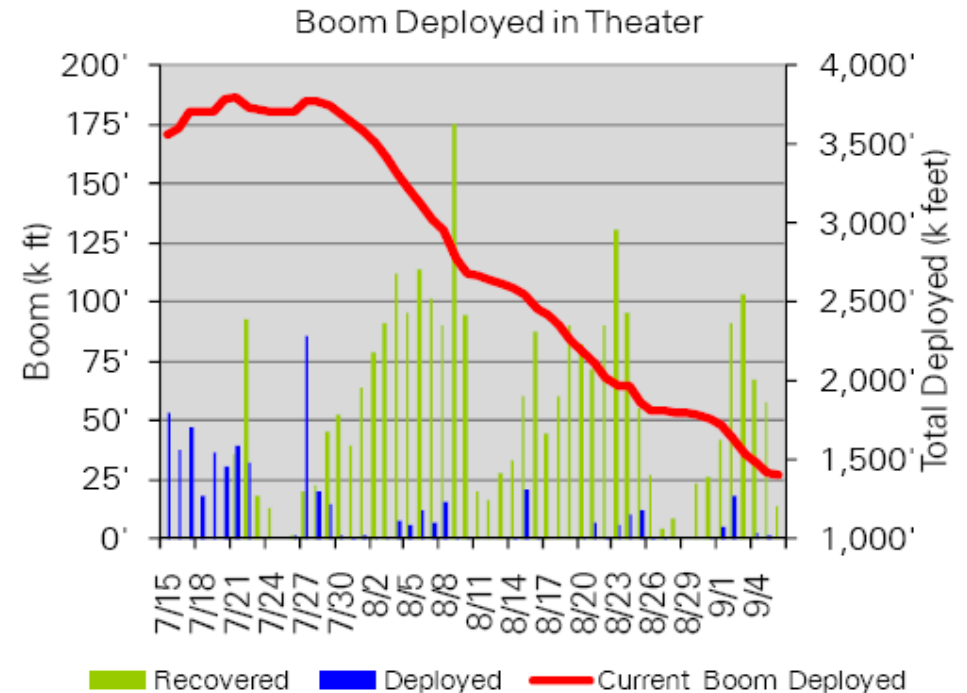
- Source Control
- Aggressive Management of Critical Resources
- Effective Command & Control







# Statistics as of 0600 7 September 2010

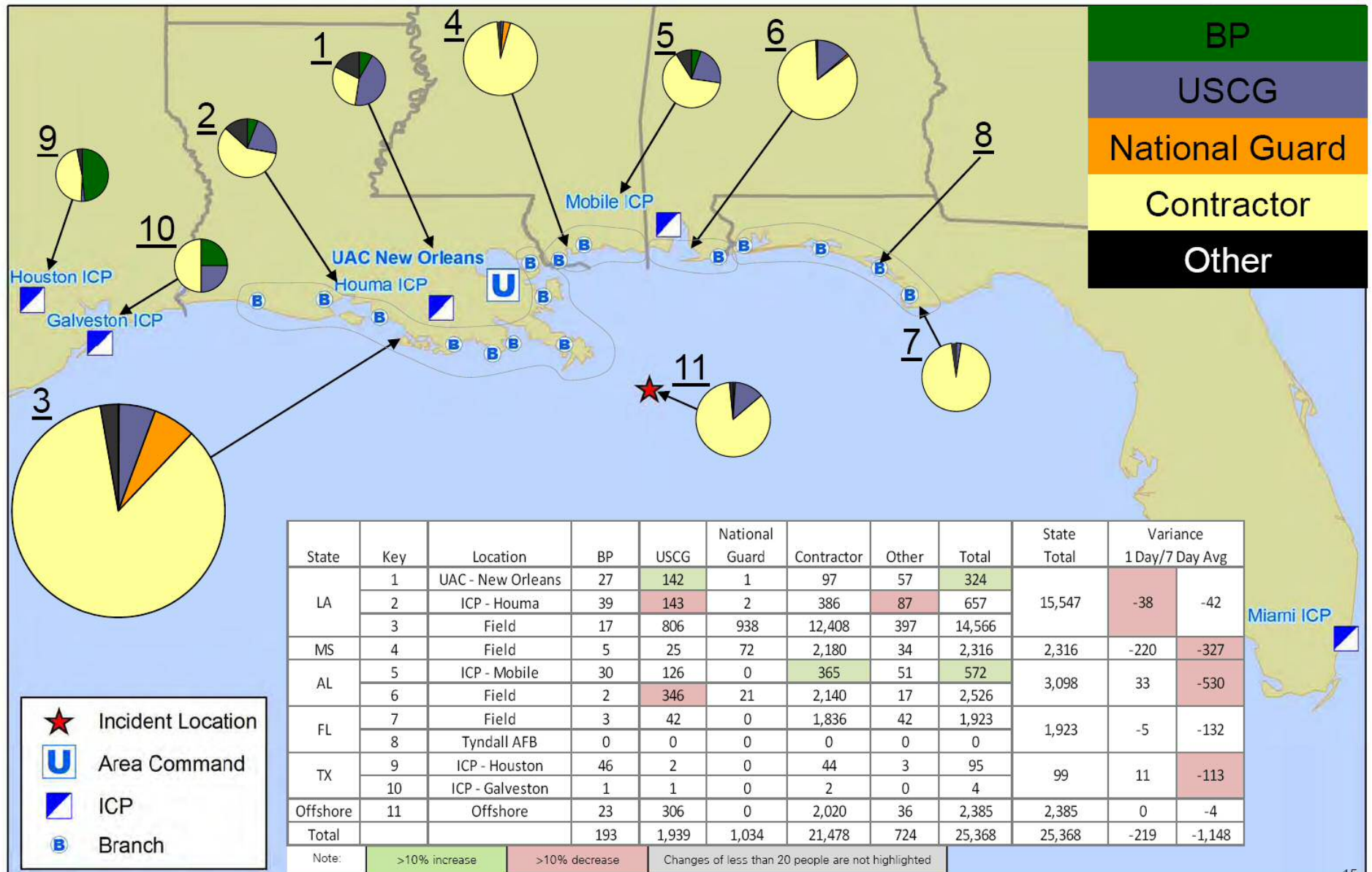


- Containment boom recovered today: 13,950'
- Current containment boom deployed: 1,407,278'
- Sorbent boom deployed today: 27,580'
- Sorbent boom deployed to date: 9,385,045'
- Total personnel working on response: 25,368
- Eight decon sites operational; two sites standing up
- Total HSSE Exposure Hours: 42,957,108

# Personnel

## Deepwater Horizon Response

Updated  
September 6  
2200 hours



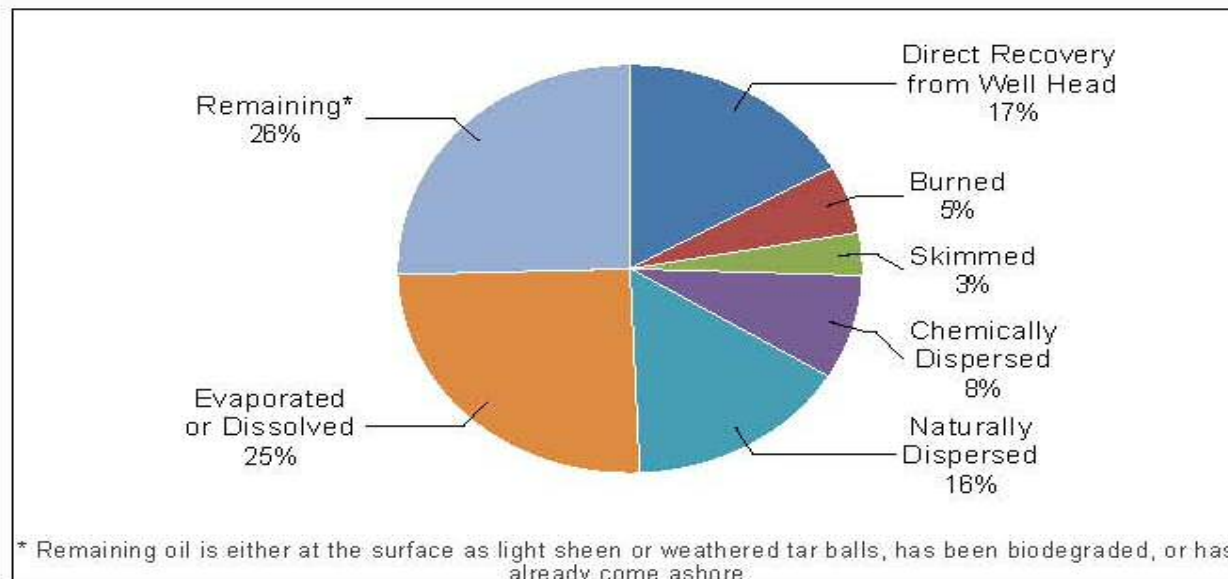


## Deepwater Horizon MC252 Gulf Incident Oil Budget Government Estimates - Through August 16 (Day 119)

Calculated Values	Cumulative	August 16
<b>Discharged</b>	4,928,100	0
Recovered via RITT and Top Hat	827,046	0
Dispersed Naturally	763,948	0
Evaporated or Dissolved	1,243,732	0
<b>Available for Recovery</b>	2,093,374	0
Chemically Dispersed	408,792	0
Burned	265,450	0
Skimmed	165,399	0
<b>Remaining</b>	1,253,733	0
<b>Recorded Values</b>		
Dispersant Used	43,900	0
Inland Recovery (Cumulative)	41,693 tons	

\* All unlabeled values in barrels. See end notes for assumptions.

\*\* Government estimate of discharge ranged from 62,200 bbl on April 22, 2010 to 52,700 bbl on July 14, 2010.





# Deepwater Horizon Investigations and Lessons Learned

RRT 1 Session Role



# Deepwater Horizon Investigations

- Presidential Commission  
([www.oilspillcommision.gov](http://www.oilspillcommision.gov))
- Congressional Hearings
  - 9 Senate Hearings, 8 House Hearings
- Joint Investigation Team (USCG & BOEM)  
([www.deepwaterinvestigation.com](http://www.deepwaterinvestigation.com))
- National Academy of Engineering
- DOI investigation into add'l safety measures
- Reports from the NRS:  
Preparedness Review, NRT, potential FOSC report



# RRT 1 input into Lessons Learned

- NRT Workgroup convened September 2010
- Input from RRT 1, 4, 6 requested by Sep. 17
- Capture lessons discussed at RRT for transmittal to NRT:
  - Observation
  - Discussion
  - Lesson Learned
  - Recommendation
- Publication expected early January 2010.



# **Deepwater Horizon National Incident Commander Staff Member Observations**

Scott Lundgren, USCG D1



# Topics

- NIC Staff – Function and Form
- Interagency Solutions Group Issues
- Political Involvement
- Sample Topics
  - Berms/Physical Countermeasures
  - Flow Rate Technical Group / Mass Balance
  - Interagency Alternative Technology Assessment Program
  - Gulf Calls

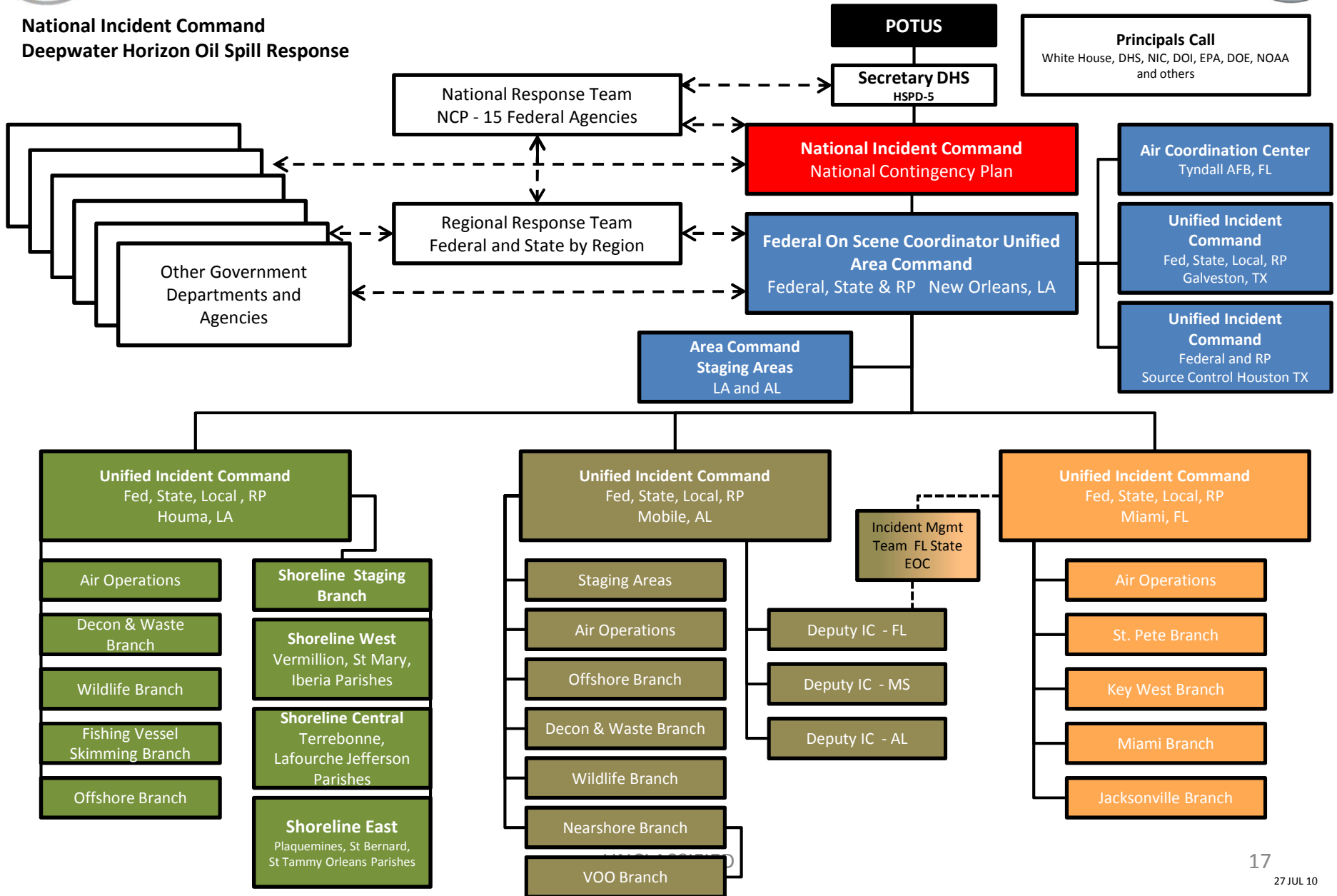


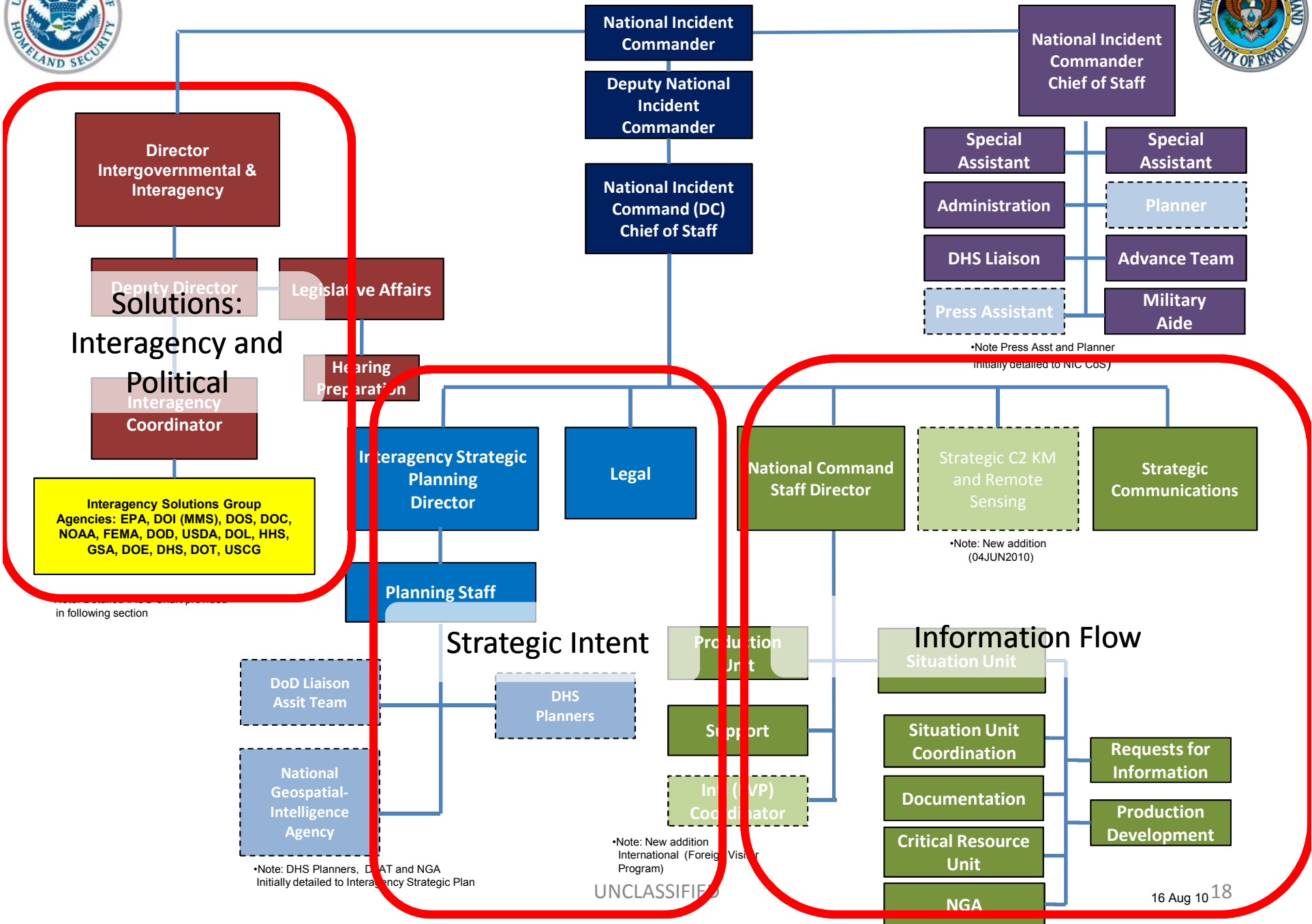


# Deepwater Horizon Response Organization



## National Incident Command Deepwater Horizon Oil Spill Response





in following section

\*Note Press Asst and Planner initially detailed to NIC COS

\*Note: New addition (04JUN2010)

\*Note: DHS Planners, D-AT and NGA initially detailed to Interagency Strategic Plan

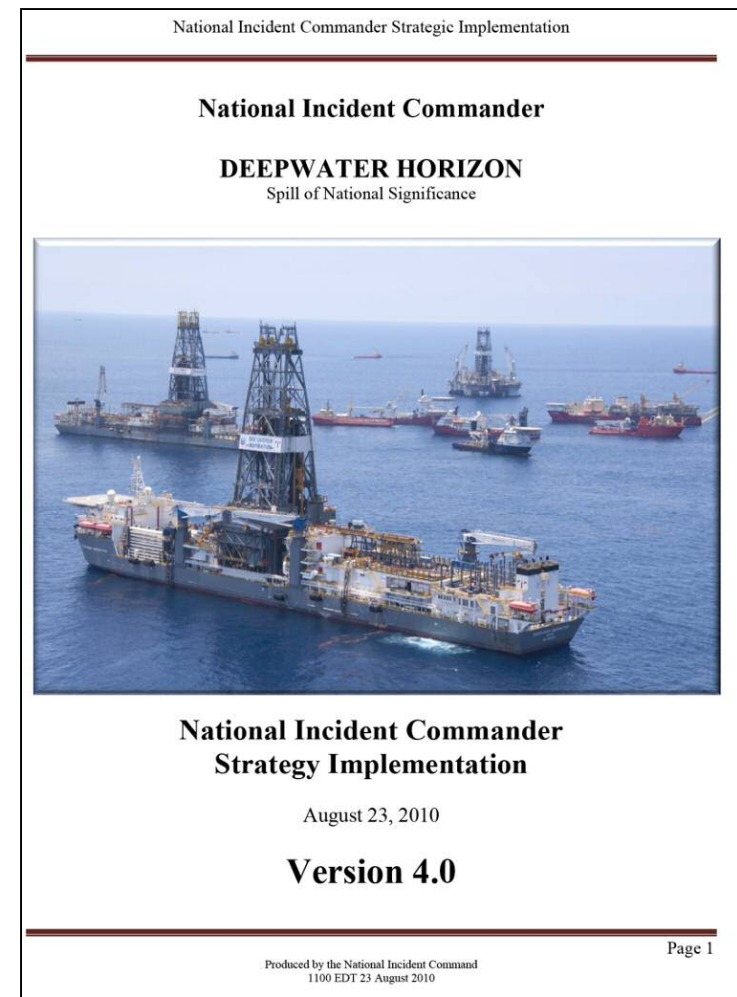
\*Note: New addition International (Foreign Visitor Program)

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# NIC Strategy Implementation

- Captured NIC intent
- Documented key agreements, MOAs, directives
- Longer lifecycle than ACOG or IAPs
- Grew with time:  
Ver. 4 over 250 pgs.





# Information Cycle/"Battle Rhythm"



Page 1

Event Identifier:  Deepwater Horizon/MC252	2. Operating Cycle (Date/Time):  From: 2AUG10/0300 - To: 3AUG10/0300 EDT	NIC DAILY EVENT SCHEDULE ICS 230-CG
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Page 2

3. Daily Meeting Schedule (All normally held meetings should be included)  
**NIC-DC Daily Meeting / Product Schedule** (Shaded rows denote Products)

Page 1 of 2

Date/Time EDT	Meeting Name or Deliverable	Purpose	POC/Lead Attendees/ Producer
0430 (NLT)	NIC Situation Report (SITREP)- formerly S2 Brief and Exec Summary	Situation Updates/Changes (Feeds S1/2 Briefs & DHS SLB)	NIC-DC Sit Unit-Documentation/All POC: NIC SITU Leader 202-372-1710
630	"Admiral Allen" Brief (Condensed NIC SITREP; incl. PDA readable text in email)	Internal info sharing	NIC-DC Sit Unit-Documentation/All POC: NIC SITU Leader 202-372-1710
0700 (or upon receipt)	NIC At-A-Glance (AAG) Report	Summary of all state information.	NIC-DC Production POC: <a href="mailto:NIC-PROD-1@uscg.mil">NIC-PROD-1@uscg.mil</a> 202-372-1744
700	Gov's Call Talking Points	TP's for Gov's teleconference	NIC-DC Governmental Affairs POC: CDR Mark Moland 202-372-1715
730 M-F	Senior Leadership Meeting	Info Sharing	NIC DC CoS POC: NOC SWO 202-282-8101
800	UAC Situation Call	Info Sharing	UAC/NIC-DC Staff/SITU Leader POC: UAC SITU Leader Deputy NIC
845	Deputy NIC/UAC Alignment Meeting	Info Sharing	POC: Ms. Solange Hubble 202-372-1742
900	UAC External/Gov't Affairs Daily Report	Internal Info Sharing	UAC POC: Heather Smith Intergovernmental Affairs 202-380-2339 (cell)
0905 (Pre-Call) 915	Governor's Call	Coordination	The NIC - host (NIC-ICT on-line) POC: CDR Mark Moland 202-372-1715
930	Situation Briefing to IAGS	Info Sharing to Interagency partners	NIC SIT Unit Leader POC: CDR O'Brien

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Date/Time	Meeting Name or Deliverable	Purpose	POC/Lead Attendees/ Producer	Location/Distribution
1000	S2 and Parish President LNOs Conference Call	Info Sharing	S2/Parish President LNOs/NIC-DC CoS POC: Ms. Juliet Kayyem, TTE APOC: Jarrod Bernstein	Call: (202)243-6160 Pin: 193
1000	Interagency Group	Coordination	White House - host (NIC-ICT IAG on-line) POC: CDR Moland IAG POC: CDR Gleason	Call: (20) PIN: 9471
1000	CART (Gulf) Executive Summary (BP Oil Spill Summary)	Port Status	MTSRU POC: James R. Silva 202-372-1105	Post to H
1100 M, F	NRT Conference Call	NRT Conference	NRT/NIC/DHS POC: Sam McIntyre	Call: (20) PIN: 193
1400	Coast Legal Conference Call	Coordination	TJAG and all CG attorneys POC: NIC Legal Affairs	TJAG Con
1430	National Environmental NGO Call "GULF UPDATE CALL"	Coordination	White House (CEQ) - host (NIC-ICT IAG on-line) POC: Mr. Matthew Kasdan 202-456-3824	Call: (800)
1445	Congressional Affairs Pre-brief Call	Coordination	CG Congressional & Government Affairs	Call: (20) No PIN re
1500	White House Local Calls	Coordination	White House - host (NIC-ICT IAG on-line) POC: Mr. Drew Schneider 202-447-3902	Call: (20) PIN: 7631
1500 F	DOS Conference Call (M-W-F only)	Coordinate foreign offers of assistance	DOS/Critical Resources Unit /UAC POC: LT VanVelzen (NIC Critical Resources)	Call: (20) PIN: 135
1500 M, W, F	Congressional Affairs Call	Situation Update	MMS/CG Legislative Affairs	Call: (800) PIN: 993
1600	NIC Situation Report-UPDATE (incl. PDA readable text in email.)	Updates to NIC Situation Report (feeds DHS SLB)	NIC-DC Situation Unit-Documentation POC: NIC SITU Leader 202-372-1710	E-mail to Briefing/L distribution NIC SITU distribution

Page 3

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Page 3 of 3

Date/Time	Meeting Name or Deliverable	Purpose	POC/Lead Attendees/ Producer	Location/Distribution
1600	Interagency Lawyers Conference Call	Coordination	DHS	TJAG Conf room
1800	Gov Affairs Daily	Info Sharing	DHS IGA - host (NIC-ICT IAG on line) POC: CDR Moland	Call: (800) 320-4330 PIN: 000144
1830	UAC Situation Call	Info Sharing	UAC/NIC-DC Staff POC: UAC SITU Leader	(866) 685-4852 Pin: 9387098930
1830 M & F	Skimmer	Info Sharing	CG-533/NIC-DC POC: MSTC Highfill (NIC Critical Resources)	Call: (877) 368-8051 Pin: 1997639
1900	Local Liaison Conference Call	Info Sharing	S2/Parish President/LNOs/NIC-DC CoS POC: Ms. Juliet Kayyem, TTE APOC: Jarrod Bernstein	(202) 243-6160 PIN: 787148 M,W,F: Parish LNOs & AL,MS,FL LNOs Tu, TH: County LNOs & LA State LNO Sat, Su: LA,AL,MS, FL LNOs Report
2000	S2 and Parish President LNOs Conference Call	Info Sharing	S2/Parish President LNOs POC: Ms. Juliet Kayyem, TTE APOC: Jarrod Bernstein	Call: (202)243-6160 Pin: 193740#
0000-0300	Situation Room Graphics	Visual Graphic updates	NIC-DC Situation Unit - Documentation POC: <a href="mailto:NIC-PROD-1@uscg.mil">NIC-PROD-1@uscg.mil</a> 202-372-1744	Print out (via NGA) updated graphics in Situation Room.

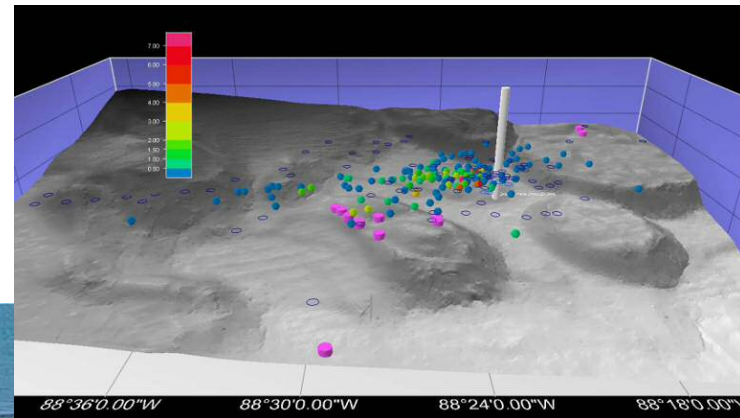
4. Prepared by: (NIC-DC SITU) Date/Time  
LT Deptula 02AUG10/0300

**NIC-ICT DAILY MEETING SCHEDULE**



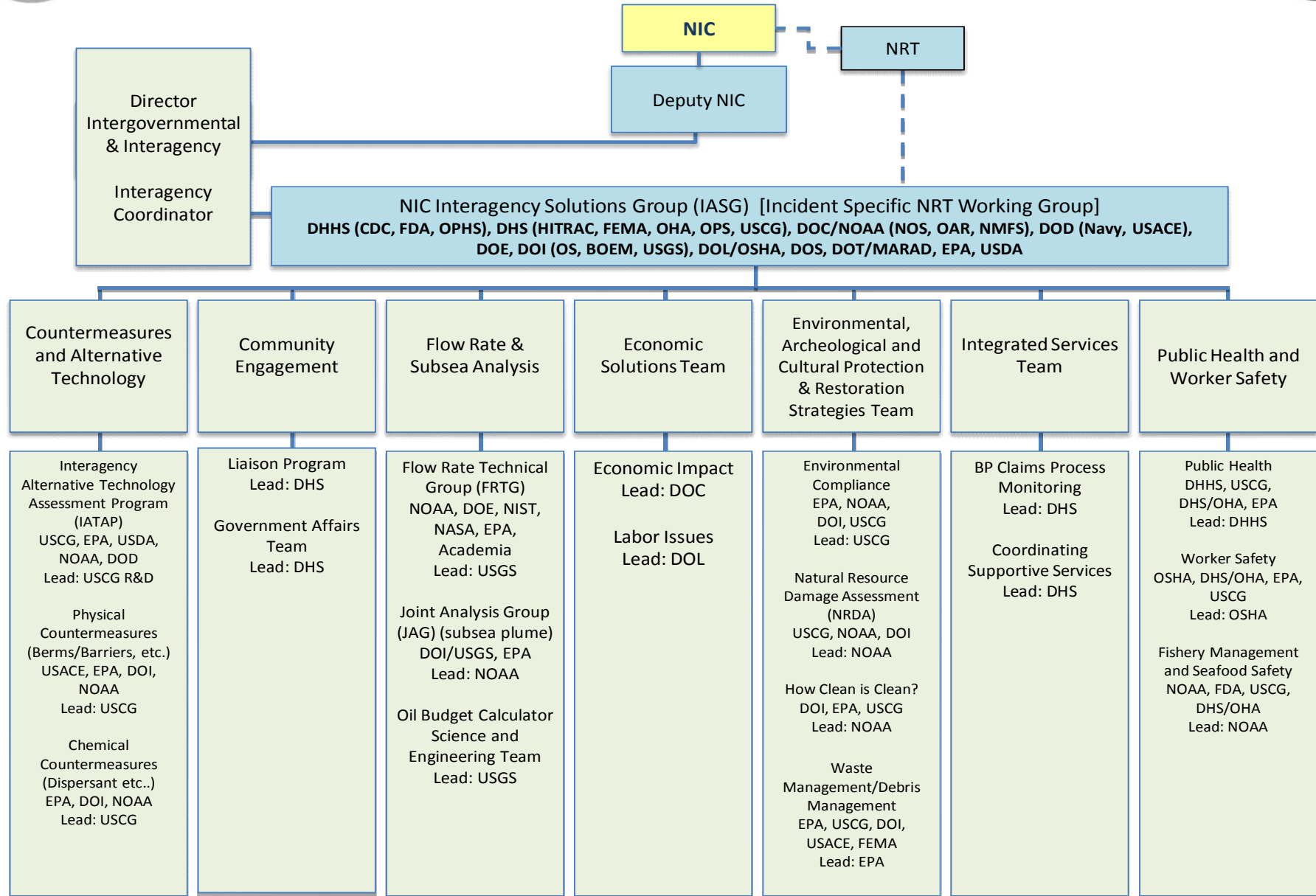
# Interagency Issues, examples

- Flow Rate
- Oil Budget
- Claims
- Public Health
- Sand Berms
- Sea Food Testing
- Subsurface water sampling
- Alternative Technologies





# Interagency Solutions Group





# Discussion