



### **Tropical Storm Hanna**

Source: National Oceanic & Atmospheric Administration – September 4, 2008, 8 a.m. EDT

At 8:00 a.m. EDT the center of Tropical Storm Hanna was about 280 miles east-southeast of Nassau and about 760 miles south-southeast of Wilmington, North Carolina. Hanna is moving toward the northwest near 12 mph and this motion is expected to continue during the next couple of days with a gradual increase in forward speed. The center of Hanna will pass just east of the central and northwestern Bahamas today and will be near the southeast coast of the United States by Friday or Friday night. However, rains and winds associated with Hanna will reach the coast well in advance of the center.

Maximum sustained winds are near 70 mph with higher gusts. Tropical storm force winds extend outward up to 290 miles from the center. Slight strengthening is possible during the next couple of days and Hanna could become a hurricane before reaching the southeast United States coast.

A hurricane watch remains in effect from Surf City, North Carolina southwestward to north of Edisto Beach, South Carolina. A tropical storm watch is in effect from Edisto Beach southwestward to Altamaha Sound, Georgia.

Swells from Hanna are expected to increase the risk of dangerous rip currents along portions of the southeastern United States coast during the next couple of days.

### **Hurricane Ike**

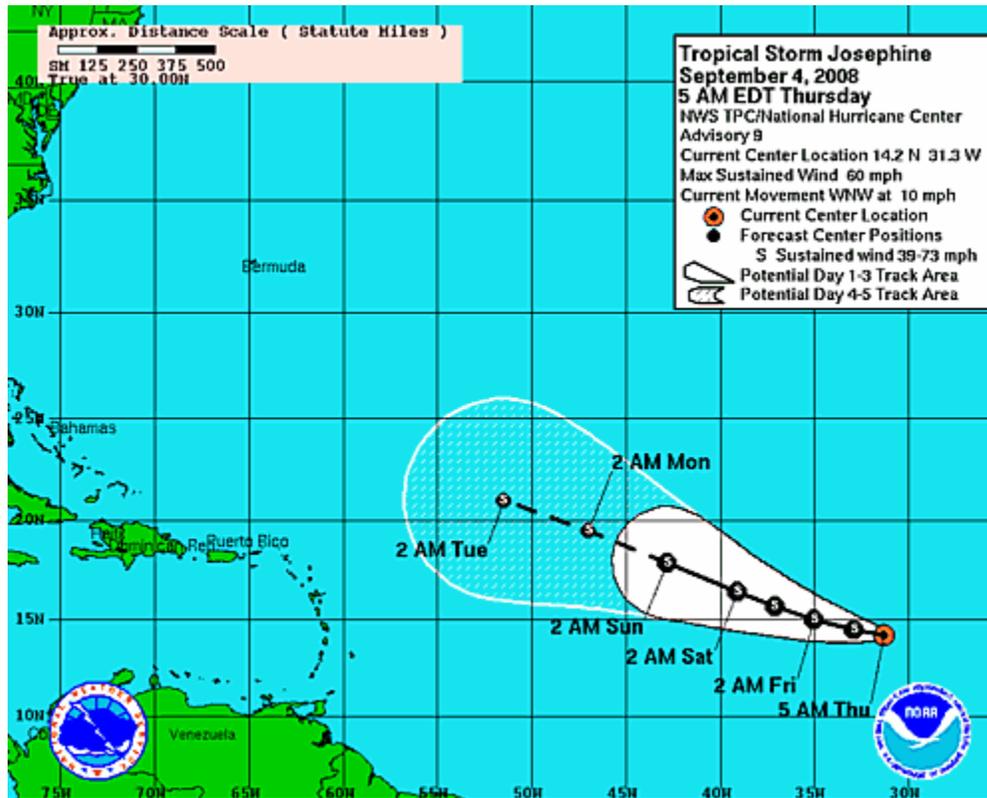
Source: National Oceanic & Atmospheric Administration – September 4, 2008, 5 a.m. EDT

At 5:00 a.m. EDT the center of Hurricane Ike was located about 550 miles northeast of the Leeward Islands. Ike is moving toward the west-northwest near 17 mph and a gradual turn toward the west and west-southwest is expected over the next 48 hours. On this track the hurricane will continue to move over the open waters of the west-central Atlantic during the next couple of days. It is too early to determine what land areas might eventually be affected by Ike.

Satellite images indicate that Ike has intensified some more. Maximum sustained winds are estimated to be near 145 mph with higher gusts. Hurricane force winds extend outward up to 35 miles from the center and tropical storm force winds extend outward up to 140 miles. This is an extremely dangerous Category 4 hurricane. It is expected that Ike will maintain Category 4 or Category 3 intensity over the next 48 hours.

## **Tropical Storm Josephine**

*Source: National Oceanic & Atmospheric Administration – September 4, 2008, 5 a.m. EDT*



At 5:00 a.m. EDT the center of Tropical Storm Josephine was about 465 miles west of the southernmost Cape Verde Islands. Josephine is moving toward the west-northwest near 10 mph. A west-northwest to westward motion is expected for the next couple of days.

Maximum sustained winds are near 60 mph with higher gusts. Tropical storm force winds extend outward up to 105 miles from the center. Some fluctuations in strength are possible during the next two days.

## **Tropical Depression Gustav**

At 5:00 a.m. EDT the center of Tropical Depression Gustav was located 80 miles northwest of Little Rock, Arkansas and 110 miles south of Springfield, Missouri. Gustav is moving off to the northeast at 11 mph. This general northeastward motion is expected through Thursday and Gustav should pick up in forward speed as it arrives into the Ohio Valley.

Maximum sustained winds are near 15 mph with higher gusts. Gustav is expected to become extratropical Thursday as it interacts and becomes absorbed with a stationary frontal boundary.

Rainfall amounts of one to three inches are expected from Missouri northeastward into portions of Illinois, southeastern Wisconsin, southeastern Iowa, northwestern Indiana and much of Michigan with isolated maximum amounts of five inches through Saturday morning. Additional rainfall amounts of one to two inches are expected across southeastern Louisiana, eastern Mississippi and western Alabama through Thursday.

Flood and flash flood warnings are in effect for parts of Louisiana, Arkansas, Mississippi, extreme eastern Oklahoma, extreme southeastern Kansas and much of Missouri. Flood and flash flood watches are in effect for portions of northeastern Louisiana, Mississippi, Arkansas, Missouri and extreme western Illinois.

**Federal Emergency Management Agency (FEMA)-Mission Assignment (MA) Summary**

	<b>Lead Bureau/Office</b>	<b>Mission Assignment Description</b>
ESF #9	National Park Service	<p>FEMA originally issued two Mission Assignments to DOI.</p> <p>1) A request for 30, 2-person boat crews: operators, crew, jon boats (12-14’ flat bottom). NPS has filled 20 crews, FWS has filled 10 crews. Staged in Austin,</p> <p>2) FEMA followed up by issuing another Mission Assignment for an additional 30 – 2-person boat crews: operators, crew, jon boats (12-14’ flat bottom) to be staged in Texarkana awaiting assignment.</p> <p><b>Update:</b>  <b>On September 3, FEMA ordered the demobilization of all but 21 of the boat crews, leaving 21 boats and 42 crewmembers and 4 Overhead personnel in Texarkana with a potential follow on Mission Assignment to stage in Atlanta, GA for the onslaught of Tropical Storm Hanna. The USFWS and USGS crews have been released.</b></p>
ESF #11	Office of Environmental Policy & Compliance	2 MAs – Natural and Cultural and Historic Properties Resource Response & Assessment - \$10,000 per MA authorized – TX & LA.

Reference: <http://www.fema.gov/emergency/nrf/#>

## **Bureau/Office Reports – Latest Updates**

### **Office of Environmental Policy and Compliance (OEPC)**

OEPC held a conference call yesterday with Bureaus and interagency partners in protection of natural and cultural resources and historic properties (NCH) under ESF #11. The purpose of the call was to discuss a request for assistance in Louisiana and Texas. The FEMA personnel who had made the request were unable to participate to provide details about the request. It was reported that conditions in Baton Rouge are such that it may not be possible for personnel to arrive by September 15, the date FEMA had proposed for deployment. Bureaus that have not yet provided a list of potential volunteers for ESF #11/NCH agreed to canvass for volunteers at this time.

ESF #11 began daily conference calls on Gustav and other storms yesterday. OEPC is participating for the NCH part of ESF #11. One major issue is the need for additional staffing for the ESF #11 desk at the NRCC. DOI and the other ESF #11 primary agencies provide this staff. Ongoing 24-hour NRCC operations has strained the existing cadre of volunteers.

The DOI Regional Environmental Officer in Atlanta reported that ESF #10 has received Mission Assignments for damage assessments in Mississippi and Alabama. Both the Environmental Protection Agency and the Coast Guard will conduct reconnaissance of facilities containing oil and hazardous materials located in the impact zones and assessments of potential ESF #10 incidents caused by Gustav.

### **Bureau of Indian Affairs**

- **Jena Band of Choctaw** is dealing with flooding issues and is sandbagging their shelter and main office building. Their water system is not operating so no water is available. They received 10 case of water from the EOC and have requested more. FEMA's Tribal Liaison has submitted the additional request and the water should arrive late tonight. They have no electricity. They have requested 10 to 12 portable generators for the homes of some Tribal Elders and special needs members. Indian Health Service has agreed to deliver 12 generators directly to the Tribe and will most likely arrive in the next 24 hours. Cell phone coverage is spotty and land lines have been off and on.
- **Tunica-Biloxi's** water system is down. They estimate the remaining supply will last 24 hours. While the parish water system is partially functional, the parish does not have a backup generator to pump the water from the treatment plant. They have requested additional water from FEMA's Tribal liaison and that need is also being met. The parish is still without power. There is some flooding in the parish but it is currently not affecting tribal buildings. They have received in excess of 17" of rain and another 8" expected in the next few hours.
- **Chitimacha** reports no significant damage. Power was restored last evening. They have plenty of food and water to distribute and expect a trailer full of ice shortly.

- **Coushatta** reports no significant damage. Power is restored. There are no flooding issues, services are operating close to normal and all roads are open.

### **Minerals Management Service (MMS)**

The MMS continues to assess the status of its offices in the Gulf of Mexico Region following the landfall of Hurricane Gustav. The MMS offices in Louisiana remain closed. Building assessment team members were able to access Jefferson Parish to check both offices in New Orleans on 2 Sep 08. Elmwood Tower Building and New Orleans District offices sustained minimal damage and have power at this time. Information on the Lake Charles, Houma and Lafayette offices will be provided once we gain access to those Parishes. The Lake Jackson (TX) District is open.

We are closely monitoring Parish reports and coordinating with local officials and building management to determine the best strategy for re-opening our Louisiana offices and ensuring our workplaces are safe and secure. MMS is developing a timeline for recalling employees based on mission needs and living conditions in surrounding parishes.

Employees have been instructed to contact the long-term emergency number and report their whereabouts and contact information within 72 hours of a disaster. Of the 561 employees impacted by Hurricane Gustav, 475 have responded to the Employee Accountability process.

Based on data from offshore operator reports submitted as of 11:30 a.m. CST on September 3, 2008, personnel have been evacuated from a total of 599 production platforms, equivalent to 83.5 % of the 717 manned platforms in the Gulf of Mexico. Production platforms are the structures located offshore from which oil and natural gas are produced. These structures remain in the same location throughout a project's duration unlike drilling rigs which typically move from location to location.

Personnel from 91 rigs have also been evacuated; this is equivalent to 75.2 % of the 121 rigs currently operating in the Gulf. Rigs can include several types of self-contained offshore drilling facilities including jackups, submersibles and semisubmersibles.

From the operators' reports, it is estimated that approximately 95.8 % of the oil production in the Gulf has been shut-in. Estimated current oil production from the Gulf of Mexico is 1.3 million barrels of oil per day. It is also estimated that approximately 91.6 % of the natural gas production in the Gulf has been shut-in. Estimated current natural gas production from the Gulf of Mexico is 7.4 billion cubic feet of gas per day.

After the hurricane has passed, facilities will be inspected. Once all standard checks have been completed, production from undamaged facilities will be brought back on line immediately. Facilities sustaining damage may take longer to bring back on line. The MMS will continue to update the evacuation and shut-in statistics at 1:00 p.m. CST each day until these statistics are no longer significant.

Districts	Lake Jackson	Lake Charles	Lafayette	Houma	New Orleans	Total
Platforms Evacuated	63	102	122	153	159	599
Rigs Evacuated	5	11	18	29	28	91
<b>Oil, BOPD Shut-in</b>						
	22,300	35,595	153,160	433,645	601,008	1,245,708
<b>Gas, MMCF/D Shut-in</b>						
	626	624	969	1,063	3,495	6,777

## National Park Service (NPS)

### NPS Actions

- Regional Emergency Services Coordinators including Units in the Southeast Region are reporting on a regular basis and are moving forward on implementing elements of their Hurricane Plans.
- All Regional Emergency Services Coordinators are receiving and providing essential information.
- The Emergency Incident Coordination Center (EICC) continues to have an "expanded" staff to support mobilization of resources and the tracking of employees from the coastal areas.
- NPS WASO Emergency Services is working with FEMA on a Mission Assignment for ESF #9, Search and Rescue, under the National Response Framework.
- NPS has rostered LE personnel to support ESF #13 and Bureau Incident Management Teams if necessary.
- The NPS Small Boat Task Force will be working in Unified Command with the FEMA Urban Search and Rescue (USAR) Incident Support Team in preparation for Hanna's Landfall.

### National Park Service Units

#### Cane River National Heritage Area and Cane River Creole National Historic Park

- A preliminary assessment is showing downed trees and limbs, and some minor wind damage to a few of the Park resources. Staff has not done a detailed assessment.
- The staff has not assessed any impact on Park utilities.
- The park's Oakland Plantation site (in Bermuda Louisiana) and Magnolia Plantation (in Derry, Louisiana) does not have power or telephone service, but we expect that power will be restored within the next few days. These Park sites will remain closed to the public until power is restored.
- Until infrastructure (power and telecommunications) is restored, staff displaced from the Oakland offices will temporarily relocate to Park Headquarters and to the National Center for Preservation Technology and Training in Natchitoches. This conforms to the Park's *Continuity of Operations Plan*.

- All employees are accounted for.

#### Natchez Trace Parkway

- No new update from this morning.
- All employees are accounted for.

#### Gulf Islands National Seashore

##### *West Ship Island:*

- West Ship Island will remain closed today and the concession ferry runs have been cancelled for at least the remainder of the week.
- Significant damage has occurred to the concession ferry terminal docks and office facilities in Gulfport (non- NPS-property).
- Flying and marine conditions were not conducive to surveying damage on Horn and West Ship Islands yesterday. Conditions may be more favorable today and this task will be a top priority as storm surge and wave action may have caused significant impacts to facilities on West Ship Island.

##### *Davis Bayou Unit:*

- A damage assessment has indicated only minor damage beyond tree damage.
- Though a partial opening is possible, the Davis Bayou Unit will likely remain closed pending further assessments and clean up.

##### *Horn, Petis Bois, East Ship, Cat, Sand Islands:*

- Legally reopening, though staff has not been out to them.
- Facilities on Horn Island (still very limited) have not yet been assessed.

##### *Fort Pickens Unit:*

- Remains closed to the public.
- A broad, but temporary, breach occurred within the park section of Ft. Pickens Road. The waters are receding but 4X4 access is still limited.
- Damage has occurred to what had been intact sections of Ft. Pickens Road. A comprehensive damage assessment to the road is planned.
- A very cursory survey of the Ft. Pickens facilities has revealed, thus far, very limited damage. A more detailed preliminary and/or comprehensive assessment is planned.
- Park housing remains out of service. Earliest possible reoccupation would be today and will be re-evaluated daily.
- All employees have been accounted for.

#### Jean Lafitte and New Orleans Jazz

- Employees reported downed trees and relatively light structural damage.
- 10 employees remain unaccounted for, but 3 of these live in Baton Rouge, which was hit hard by the storm and subject to extensive telecom and utility outages. Two (2) Park Rangers have been assigned Initial assessment indicates that most of the damage consists of to visit the residences of these 10 employees to check on their welfare.

*Chalmette Site:*

- The Beauregard House has 8 broken windowpanes, roof damage consistent with missing shingles, gutter damage, and downed trees around the grounds.
- The Chalmette Cemetery has trees down on top of grave markers, with minor damage to the Superintendent's Lodge consisting of missing shingles. The maintenance facility lost rain gutters and has trees down around the grounds. The construction fencing at the cemetery blew away.

*PARK Headquarters:*

- Shingles are missing and there may be flashing damaged on the roof and siding.

*New Orleans Jazz Visitors Center:*

- Exterior seems undamaged.

*Armstrong Park:*

- The temporary tarp cover for the roof blew off.

*Batataria Unit:*

- All roads, trails, and boardwalks are completely blocked by fallen trees.
- All utilities are out, including water, power, and sewer.

*Thibodaux Unit:*

- Several trees are down and there is undetermined roof damage.
- There is minor water damage to the upstairs library caused by the roof damage.

*Lafayette Unit:*

- There are some large tree branches down but no other damage.

*Eunice Unit:*

- All utilities are out, including water, sewer, power, and telephone.
- There is no structural damage at the site.

No JELA/JAZZ Park Units will open before next Monday, September 8th

**U.S. Fish & Wildlife Service (FWS)**

**U.S. Fish and Wildlife Service's Southeast Region DOI Situation Report Submission**

**Personnel Status:**

No employees are unaccounted for. Approximately 35 employees placed on administrative leave due to the storm.

The Southeast Region Management Team (SRMT) and numerous regional facilities continue to monitor Gustav, Hanna, Ike, and Josephine and are in various phases of preparedness or recovery status. The SRMT resumes 1:00 p.m. daily teleconference calls today to promote preparation and recovery communication. The calls specifically concentrate on planning and operational considerations relative to law enforcement

SORT team deployment, aviation resource management, Incident Management Team (IMT) structuring and status, verification of employee status, and facility damage assessments and needs.

- The Region's Disaster/Hurricane Operations Office is fully operational. The toll free call-in number is 888-358-2305 and the email address is hurricaneinfo@fws.gov.
- Locations projected to be within today's track for Hanna per NWS Advisory 30A issued at 8:00 a.m. EDT have either implemented or are in the process of implementing appropriate preparation activities per their station's disaster plan.
- The Refuge Law Enforcement Special Operations Response Team (SORT) is staged in Lake City, Florida. The LE Command Trailer and personnel remain in a preparation/stand-by status for anticipated mobilization regarding TS Hanna.
- The SRMT and IC is utilizing the use of task force deployments in lieu of a Type 3 Incident Management to assist Gustav impacted locations.
- Region 4 External Affairs Media Specialist has returned to Atlanta from his Gustav deployment and will be preparing a media package to post on the Service's Intranet and Internet sites.
- Service aviation resources have returned to Merritt Island NWR and are in preparation/stand-by status for anticipated mobilization regarding TS Hanna. An additional fixed-wing amphibian Cessna is currently conducting aerial assessments of Gustav impacted areas.
- The following field station response and recovery synopsis is provided:

### **USFWS Final Report for Gustav**

#### **Arkansas**

- **South Arkansas NWR Complex** - reported temporary power outage yesterday at the office. They reported impacts from upwards of 16" of rain with some heavy wind and several trees downed. The office closed for the day and damages are being assessed.

#### **Florida**

- North Florida Refuge Complex (St. Marks & St. Vincent NWRs) - Completed reporting actions. Most of the turtle nests that had been located and screened at St. Vincent were destroyed as a result of beach erosion.

#### **Louisiana**

- **Baton Rouge Fisheries Resource Office** - The Office is closed until further notice. Power is out around Baton Rouge area and streets were still being cleared, as of yesterday. Status of government property unknown (leased facility).
- **Central Louisiana Refuge/Grand Cote NWR (Lake Ophelia, Catahoula NWRs)** - Station staff currently continuing to assess damages. A significant amount of trees are down on all three refuges. Electrical power is out at the refuges and throughout the local community. Major Service facilities appear to have no significant damage, but it will be a couple of days before assessment is completed. Several employees need time to clean up debris from their residential areas.
- **Lafayette Field Office (ES)** - Some employee residences received minor damage relative to downed trees and limbs which resulted in electrical power failures.

Damage assessments of Service facilities and employee residences are ongoing and will be completed by the end of the week. Several employees had evacuated and were having difficulty returning to their residences. Re-opened today.

- **Natchitoches NFH** - Completed reporting. All employees reported for work yesterday. Everyone has power at their home. Station personnel picking up minor debris from downed limbs. One residence sustained water damage.
- **Southeast Louisiana Refuge Complex (Mandalay, Bayou Teche, Atchafalaya, Big Branch Marsh, Bogue Chitto, Bayou Sauvage, Breton, Delta NWR)** - The Complex office is running on a generator and it is anticipated to be five to six days before power is restored to the area. St. Tammany and Jefferson parishes opened at 6:00 a.m. yesterday for residents to return. As of yesterday, 76% of Tammany Parish is still without power.
- **Southwest Louisiana Refuge Complex (Cameron Prairie, Lacassine, Sabine, and Shell Keys NWRs)** - Cameron and Calcasieu Parish remained in mandatory evacuation mode Tuesday, which was projected to be lifted in phases by today. The Parish has staged their mobile command center in the Refuge parking lot. Refuge facilities appear to be in good shape. Cameron Prairie NWR is fully functional. Lacassine facilities were reported to be without power Tuesday. Sabine NWR is all good to go.
- **Tensas River NWR** - Major flooding was sustained throughout the refuge. Both roads leading to the headquarters/visitor center are impacted by the flooding. Power was out at the headquarters and shop facility yesterday. Tensas NWR is closed and staff are on administrative leave.

### Mississippi

- **St. Catherine Creek NWR (Cat Island, Bayou Cocodrie NWRs)** - Received heavy rain which was expected to continue through yesterday. Electrical power is out in all of Concordia Parish, LA and surrounding Parishes and Counties. Numerous trees down across power lines and roads. Reporting more extensive community wind damage than Katrina or Rita. Refuges remain closed until further notice. Power is expected to remain out for a week.

### Tropical Storm Hanna

The SRMT will continue to monitor the progress of Tropical Storm Hanna as it develops and moves through the Bahamas. According to the NHC Advisory 30A issued at 8 AM EDT, Hanna's track included Service locations in Florida, Georgia, and North Carolina.

### Puerto Rico

- **Boqueron Field Office - Ecological Services** - Severe weather conditions impacted the area starting at 2:00 a.m. yesterday. Canals and streams around the Cabo Rojo Refuge are over their banks making roads impassable. The access road to the refuge has been impacted. The office will remain closed and all employees have been accounted for.
- **Cabo Rojo NWR** - Storm impact including significant rain resulted in road damage. The Refuge is running on generator power due to city power outages. Employees have been accounted for.
- **Rio Grande Field Office** - The Aviary facilities have been secured. The office was closed yesterday and employees were released.

- **San Juan, PR Office of Law Enforcement** - All employees provided with emergency contact information and are following their Disaster/Hurricane Action Plan.

### **Florida**

- **A.R.M. Loxahatchie NWR** - Monitoring TS Hanna. Following Disaster/Hurricane Action Plan. Refuge will remain open to the public today and employees will report to work.
- **Chassahowitzka NWR** - Disaster/Hurricane Action Plan was activated for Crystal River and Chassahowitzka NWRs Tuesday and storm activity is being monitored.
- **Jackson Field Office - Ecological Service** - Their Disaster/Hurricane Action Plan has been activated. If/when a "warning" or "watch" is posted, the office will be closed and personnel will be placed on administrative leave.
- **Lower Suwannee and Cedar Keys NWRs** - The Disaster/Hurricane Action plan has been implemented and storm conditions are being monitored.
- **Miami Office of Law Enforcement** - All employees provided with emergency contact information and are following their Disaster/Hurricane Action Plan.
- **South Florida Ecological Services Field Office/Vero Beach** - It is noted that this facility has multiple non-Refuge program operations (e.g., OLE, S Florida FRO, etc.) which follow the same closure procedures. Travel remains cancelled for the remainder of this week. Staff continue to monitor the storm and liberal leave policy is in effect for today and Friday.
- **South Florida FRO** - Following Disaster/Hurricane Action Plan. All travel outside Vero beach for this week has been cancelled.

### **Georgia**

- **Coastal Georgia Ecological Services (Brunswick) Office** - The office is operating at full staff. Their Disaster/Hurricane Action Plan has been activated and personnel are monitoring storm activity. Staff will operate according to storm instructions provided for the local community and the sub-office Disaster/Hurricane Action Plan. Under current forecast conditions all four Brunswick employees will be on administrative leave beginning Friday morning.
- **Okefenokee NWR (Banks Lake NWR)** - Normal reporting hours for today. Banks Lake NWR will remain open to the public. Okefenokee NWR has implemented their Disaster/Hurricane Action Plan relative to anticipated storm impacts and the need to have IMT assets ready for deployment.
- **Piedmont NWR** - Disaster/Hurricane Action Plan has been activated and storm activity is being monitored. Personnel are available for deployment to assist in clean-up, search & rescue, etc., if necessary.

### **North Carolina**

- **South Atlantic FCO (Raleigh & Edenton, NC)** - The Disaster/Hurricane Action Plans have been activated and personnel are monitoring the storm's projected track.
- **Washington Field Office (OLE)** - Reviewing Disaster/Hurricane Action Plan and monitoring storm activity.

### **South Carolina**

- **Ace Basin NWR** - Their Disaster/Hurricane Action Plan has been activated and personnel are monitoring storm activity.
- **Bears Bluff NFH** - Staff completed facility preparations per their Disaster/Hurricane Action Plan yesterday. The Hatchery was closed to the public at 4:00 p.m. and staff were released from duty to secure personal property and follow local evacuation orders. The Hatchery will remain closed through this weekend, or until the storm has passed.
- **Cape Romain NWR (Waccamaw NWR)** - Cape Romain and Waccamaw NWRs enacted their Disaster/Hurricane Action Plans and are monitoring storm activity.
- **Charleston Field Office (Ecological Services)** - Operating at full staff. Their Disaster/Hurricane Action Plan has been activated and personnel are closely monitoring storm activity. Local emergency preparedness leaders have initiated Operation Condition 3. No evacuation notice has been issued as of this report. Over half of the staff live on James/John/ Wadmalaw Islands and could become isolated from the mainland, depending upon storm impacts.
- **Charleston Field Office (OLE)** - Their Disaster/Hurricane Action Plan has been activated and personnel are monitoring storm activity.
- **Santee NWR** - Their Disaster/Hurricane Action Plan has been activated and personnel are monitoring storm activity.
- **Savannah Coastal Refuge Complex** - Their Disaster/Hurricane Action Plan has been activated and personnel are monitoring storm activity. All structures on Blackbeard Island and Pickney Island have been secured. Savannah, Harris Neck, and Wassaw NWRs storm preparations were completed yesterday.

### **USFWS Monitoring Hurricane Ike and Tropical Storm Josephine**

The SRMT is also monitoring tropical storms Ike and Josephine and will take appropriate incident management actions when either storm is within a 5 day track of Service resources.

### **U.S. Geological Survey**

All USGS employees in FL, AL, MS, LA, and TX have been accounted for except for three employees based in Lafayette and three employees based in Bay St. Louis at Stennis Space Center. Supervisors are continuing efforts to locate these employees.

All USGS facilities are structurally fine, although the Louisiana Water Science Center is running phones and computers via generators. As soon as conditions permit, LA and MS Water Science Center crews will determine the extent of damage to coastal gaging sites. The Arkansas WSC is running on partial power with limited lighting and computer capacity. Field crews are working and in touch via cell phones.

The National Wetlands Research Center in Lafayette has been released from ESF-9 (boats for search & rescue) per the NPS. They were not needed.

The EROS Data Center reports:

- International Charter has been activated; requested extension into LA, MS, and Gulf
- Eagle vision is collecting data

- Air Force to deliver P3 data that was captured yesterday

The EROS Data Center is coordinating flights for video photography of the coast, still photography of the barrier islands to document coastal change, and LIDAR flights on Friday along the coast from east-central coastal Louisiana to Mississippi.

Crews from USGS Water Science Centers are making plans to recover the storm surge sensors; prepare for potential flooding in OK, MO, and AR; monitoring Hanna along the FL, GA, SC and NC coasts; and watching Ike in Puerto Rico.

### **Other Government Response Activities**

*Source: Department of Homeland Security, National Operations Center*

### **Tropical Storm Hanna – Atlantic Ocean**

**Future Actions:** Staff from Federal Emergency Management Agency Regions I, II, and III have combined into 1 dedicated, Level I – capable, “East Coast RRCC” to coordinate Hanna operations along the East Coast and the Caribbean. Based on the current storm track, SC is considering voluntary evacuations on Thursday and mandatory evacuations on Friday. Evacuations have not been ordered at this time in FL, GA, NC, or VA.

**Other:** The United States Coast Guard Sector Baltimore reported that at 1000 EDT 3 Sep 08, the Captain of the Port has set Port Condition Whiskey for the northern Chesapeake Bay and its tributaries as a precaution against heavy weather impacts from Tropical Storm Hanna. Port Condition Whiskey is set when Gale Force winds of 32 to 63 mph from a Hurricane Force Storm are expected to arrive within 72 hours. Present projections show Tropical Force winds reaching the Wilmington, NC area Friday morning around 0200 EDT 5 Sep 08.

### **Tropical Depression Gustav**

**Current:** The Louisiana Chief Medical Officer reports 18 confirmed deaths related to Gustav (increase from 10 previously reported). As of 0500 EDT, the center of Tropical Depression (TD) Gustav was located about 80 miles northwest of Little Rock, AR. Gustav is expected to become extra-tropical today as it becomes absorbed with an incoming frontal boundary.

**Future Actions:** USNORTHCOM and US Transportation Command (USTRANSCOM) are coordinating planning for the ingress / return of evacuees based on damage assessments and the re-entry activated National Emergency Family Register and Locator System (NEFRLS). FEMA Region VI - Regional Response Coordination Center (RRCC) will transition down to Level II today and transition to Level III (normal operations) on 5 Sep 08. Select Louisiana Parishes are beginning evacuee re-entry operations. Louis Armstrong Airport is operational. The National Infrastructure Coordinating Center (NICC) reports there are 1,136,647 customers without power.

**Other:** The National Guard Bureau reports 16,437 National Guard personnel are deployed in various missions supporting Gustav efforts. There are a total of 274 shelters

open throughout 11 States with a population of 42,982 occupants (National Shelter System numbers as of 0200 EDT, 4 Sep 08).

## **Volcano Activity**

### **Daily Summary of U.S. Volcanic Activity**

*Source: U.S. Geological Survey – September 4, 2008*

<b>Volcano</b>	<b>Alert Level</b>	<b>Aviation Color Code</b>
<b>Kasatochi, AK*</b>	<b>Watch</b>	<b>Orange</b>
<b>Kilauea, HI*</b>	<b>Watch</b>	<b>Orange</b>

\* Denotes volcanoes with status changes, or at Alert Level WATCH or Aviation Color Code ORANGE, or above. Additional information provided below.

**Kasatochi** Volcano Alert Level=**WATCH**. Aviation Color Code=**ORANGE**. As of Sep 3, 2008, 12:08 ADT

#### **Seismic activity continues.**

(Change to current status occurred on Aug 9, 2008 22:05 ADT from Volcano Alert Level WARNING and Aviation Color Code RED)

[For more information see http://www.avo.alaska.edu/activity/Kasatochi.php](http://www.avo.alaska.edu/activity/Kasatochi.php)

**Kilauea** Volcano Alert Level=**WATCH**. Aviation Color Code=**ORANGE**. As of Sep 3, 2008, 07:56 HST

#### **Tephra and elevated SO2 emissions from Halema`uma`u Crater; elevated SO2 from Pu`u `O`o; lava flows through tubes to ocean.**

(Change to current status occurred on Jul 2, 2007 07:31 HST from Volcano Alert Level ADVISORY and Aviation Color Code YELLOW)

[For more information see http://volcano.wr.usgs.gov/kilaueastatus.php](http://volcano.wr.usgs.gov/kilaueastatus.php)

## **Wildland Fire Activity**

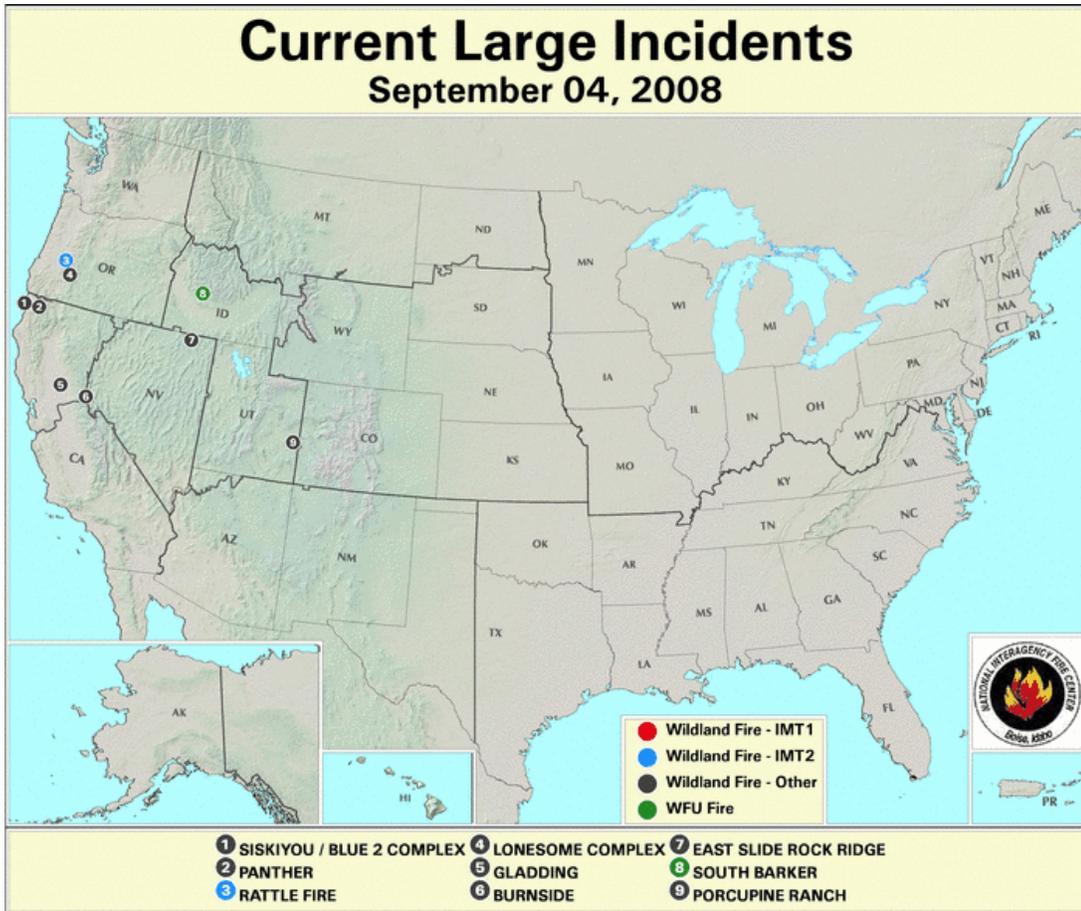
### **National Fire Situation Report**

*Source: National Incident Information Center – September 4, 2008*

#### *Summary:*

Initial attack of large fires is light with 84 new fires reported. There are no new large fires over 1,000 acres and one was contained. Nationally, there are 2 Type 1 IMT's and 2 Type 2 IMT's committed.

Additional detailed information may be found on the National Incident Management Situation. Reports posted at <http://www.nifc.gov/nicc/sitreprt.pdf> or at <http://www.fs.fed.us/news/fire>.



**DOI Resource Commitments**

*Source: National Fire and Aviation Management Web Application – September 4, 2008*

The following resource totals include DOI Bureau commitments to all current fire incidents supported by the interagency wildland fire community, including initial and extended attack wildfires, large fires, and wildland fire use fires. All risk activities may not be included.

AGENCY	CREWS	ENGINES	HELICOPTERS	TOTAL PERSONNEL
BIA	4	1	0	173
BLM	5	8	2	256
DHS	0	0	0	0
FWS	0	2	0	35
NPS	4	0	0	104
<b>TOTAL</b>	<b>13</b>	<b>11</b>	<b>2</b>	<b>568</b>

## Significant DOI Fires

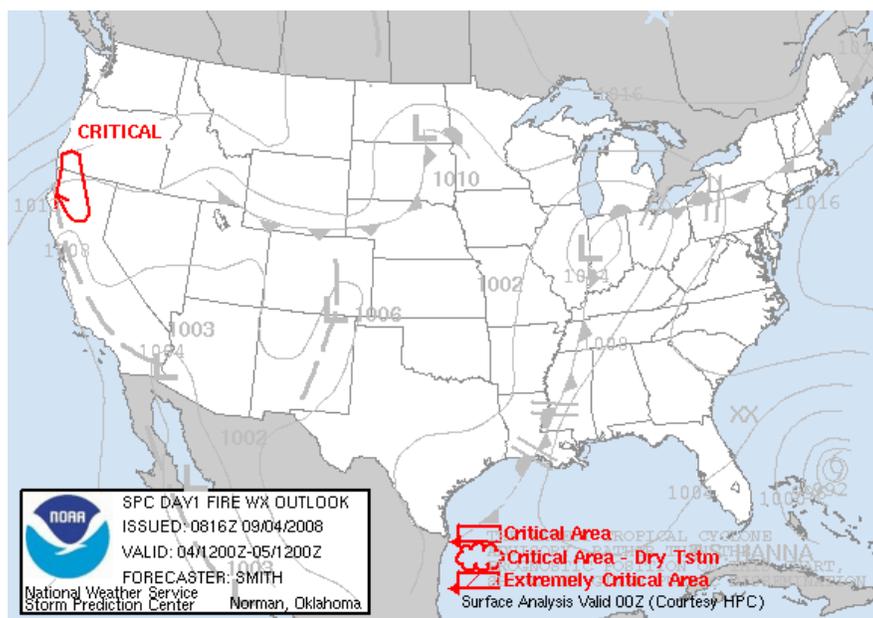
Source: NIFC National Interagency Coordination Center – September 4, 2008

ST	INCIDENT NAME	AGEN	UNIT	TYPE	ACRES	% CONT	IMT	TTL PERS	EVAC IN PROG	STR THR	STR DAM	STR DES
UT	SPLIT TOP 1	NPS	Dinosaur National Monument	WF	425	80	3	10				
VA	South 1	FWS	Great Dismal Swamp NWR	WF	4,844	100	3	28				
WA	Arctic Creek	NPS	North Cascades NP	WFU	105	N/A	A	1				
WA	Terror Creek	NPS	North Cascades NP	WFU	8	0	A	2				
WA	Park Creek Ridge	NPS	North Cascades NP	WFU	1	0	A	1				

## Weather Outlook

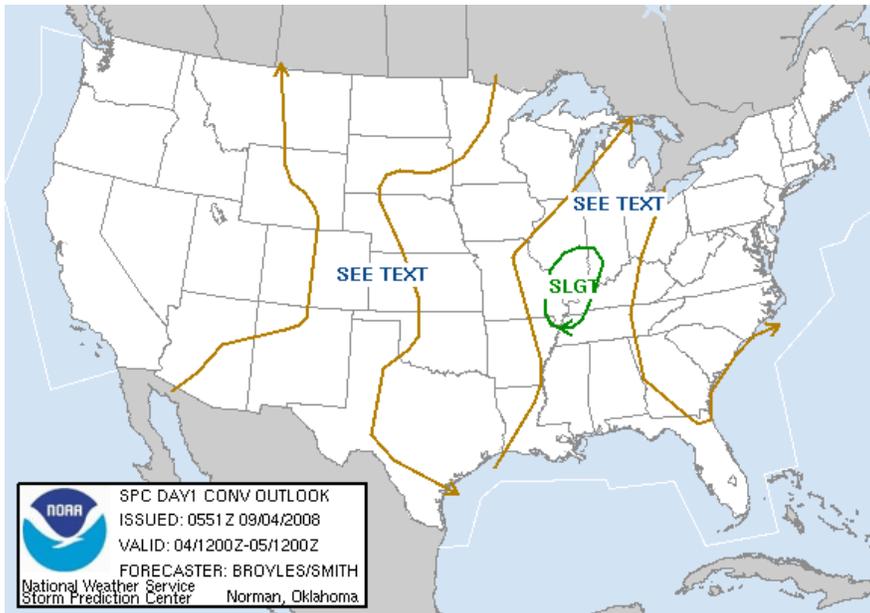
Source: NOAA NWS Storm Prediction Center – September 4, 2008

### Fire Weather Outlook



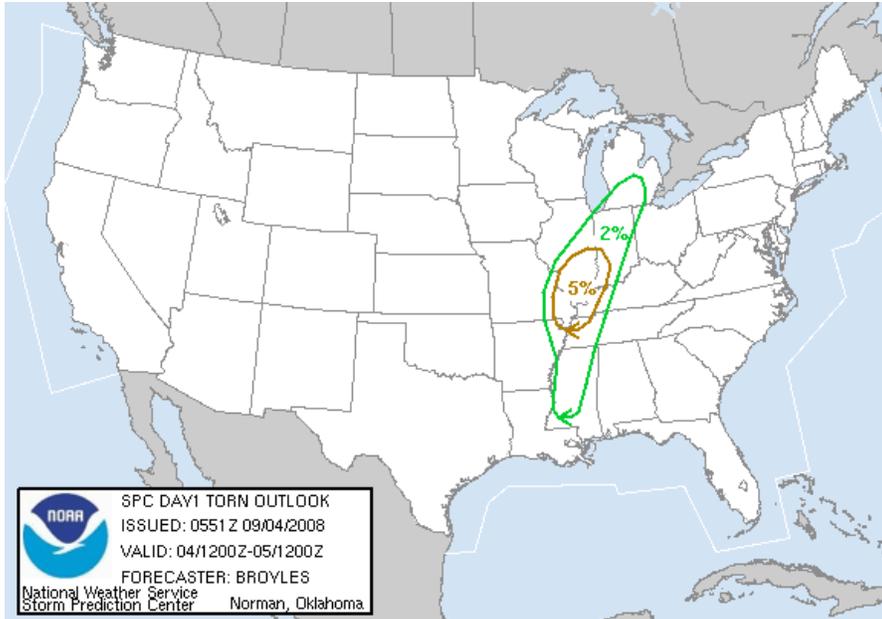
Critical fire weather area exists for northern California and southwestern Oregon. Low Relative Humidity and gusty winds may provide for favorable fire weather.

### *Severe Weather*



Due to Tropical Depression Gustav: there is a slight risk of severe thunderstorms across the mid Mississippi Valley.

### *Tornado Probability*

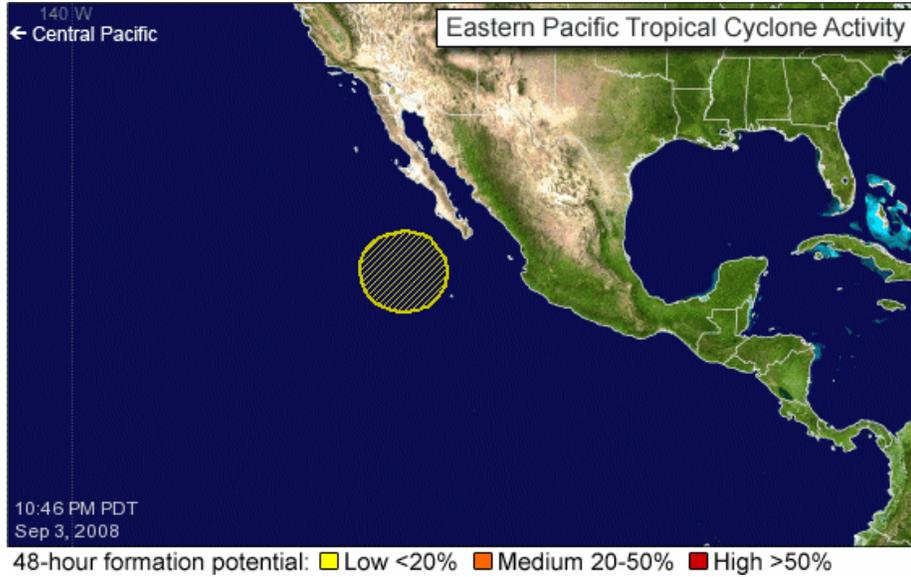


There is a slight risk of tornados along the mid Mississippi Valley and central states.

## ***Tropical Weather Activity***

*Source: NOAA NWS Storm Prediction Center – September 4, 2008*

### ***Eastern Pacific Ocean Tropical Outlook***



### **Tropical Depression Karina**

An area of low pressure, the remnants of Tropical Depression Karina, is located about 325 miles west-southwest of the southern tip of Baja, California. Regeneration of this system is not expected as it drifts slowly toward the west or northwest.