



THE OFFICIAL TEXAS

# Hurricane Guide

COASTAL BEND EDITION

[weather.gov/corpuschristi](http://weather.gov/corpuschristi)

- Ana
- Bill
- Claudette
- Danny
- Erika
- Fred
- Grace
- Henri
- Ida
- Joaquin
- Kate
- Larry
- Mindy
- Nicholas
- Odette
- Peter
- Rose
- Sam
- Teresa
- Victor
- Wanda

# Plan.

# Act.

# Survive!



**MORE LOCAL NEWS**

Dave Cochran

Bill Vessey

Mike Pesina

**All the information you need  
to plan for hurricane season!**

# INTRODUCTION

## Index of Pages

- **Storm Surge**  
Pages 4-7
- **Winds, Flooding, and Tornadoes**  
Pages 8-9
- **Preparing Your Home, Business, and Boat**  
Pages 10-11
- **Special Needs and Pets**  
Page 12
- **Emergency Contacts and Your Disaster Supply Kit**  
Page 13
- **Insurance Information**  
Page 14
- **Hurricane Tracking Map**  
Pages 16-17
- **Evacuation**  
Page 24-26
- **Emergency Information**  
Page 27
- **Returning Home**  
Pages 28-29

During the 2008 hurricane season, Texans experienced the devastating impacts of two violent hurricanes, Dolly and Ike, across our coastal communities. We are grateful for the compassion, courage, and generosity of our citizens, volunteers and first responders who stood ready and acted to help their neighbors in need. Their good hearts reflect the character of Texans.

Each year, Texans living in coastal areas face the threat of hurricanes. The 2009 hurricane season presents an opportunity to raise awareness of the steps that can be taken to help protect our citizens and our communities. Hurricanes can be devastatingly powerful with impacts from storm surge, high winds, tornadoes, and flooding. To reduce the potentially deadly effects of these storms, it is imperative for people in hurricane-prone areas to prepare for each type of hurricane hazard. Taking the time to develop a family disaster plan, reviewing emergency preparations and checklists, creating a disaster supply kit, and staying aware of current weather situations will improve our level of preparedness and help save lives. For these reasons, your Governor's Division of Emergency Management, along with your local National Weather Service Forecast offices and several key private, non-for-profit and government partners found it essential to develop this comprehensive Hurricane Guide for our coastal citizens and communities.

The statement we often hear, "It is not a matter of if, but when the next storm will make landfall and change our community forever" was realized this past hurricane season. Texans need to be prepared this and every year for the hazards of tropical storms and hurricanes. Our experiences in 2008 leave us with heightened awareness as we go into the 2009 hurricane season.

This collaborative Hurricane Guide will serve as your roadmap for action before and during a hurricane and will also act as an instructional guide for recovery, continuity and resiliency after the storm passes. It is important to plan accordingly to meet your personal, family and business needs. In this manner, we are all working together for safer and better prepared communities across the Lone Star State. Working together, we can safeguard lives and protect property by taking the appropriate measures and precautions outlined in this Hurricane Guide.

# ABOUT THE HURRICANE

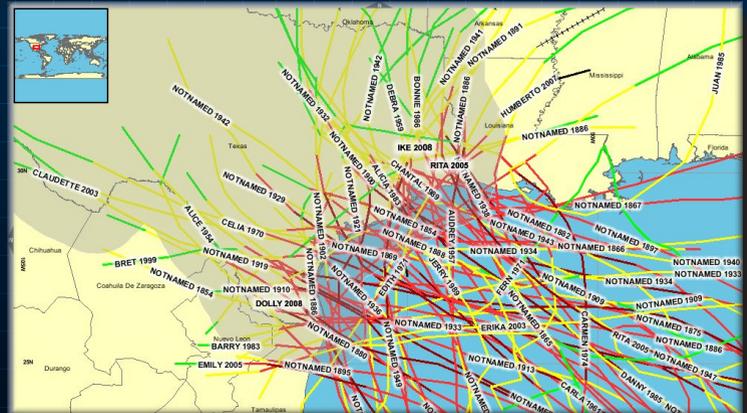


**H**urricanes form over warm ocean waters, like those found in the Gulf of Mexico. The hurricane season starts June 1 and ends November 30. The peak threat for the Texas coast exists from August through September. However, hurricanes can and have struck the Texas coast during every month of the hurricane season.

*Left: High resolution satellite image of Hurricane Ike over the northwest Gulf of Mexico. Image--NASA*

*Below: Historical perspective of hurricane landfalls in Texas since 1851.*

Since 1851, 63 hurricanes have struck the Texas coast. That is **one every three years** on average.



## Definitions To Know

**L TROPICAL DEPRESSION:** An organized system of persistent clouds and thunderstorms with a closed low-level circulation and maximum winds of 38 mph or less.

**TROPICAL STORM:** An organized system of strong thunderstorms with a well defined circulation and maximum sustained winds of 39 to 73 mph.

**HURRICANE:** An intense tropical weather system with a well defined circulation and sustained winds of 74 mph or higher.

**TROPICAL CYCLONE:** A general term used to describe a tropical depression, tropical storm, or hurricane.

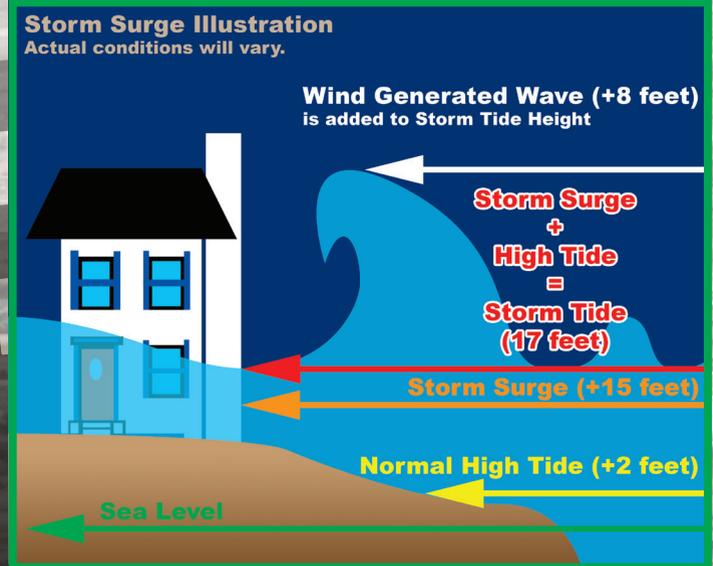
**HURRICANE/TROPICAL STORM WATCH:** Hurricane or Tropical Storm conditions are possible in the watch area within 36 hours.

**HURRICANE/TROPICAL STORM WARNING:** Hurricane or Tropical Storm conditions are possible in the warning area within 24 hours.

# STORM SURGE

**S**torm surge is a large dome of water, 50 to 100 miles wide that sweeps across the coastline along and to the right of where the eye makes landfall. The stronger the hurricane winds, the higher the storm surge. The storm surge can be more than 15 feet in major hurricanes. Storm surge poses the greatest threat to life and property for coastal communities.

Computer simulations of a major hurricane landfall clearly show the huge impact a storm surge could have on a low lying coastal community. Communities such as Aransas Pass (pictured to the left) would be completely submerged if a major hurricane made a direct hit.



Storm surge from a major hurricane has the potential to submerge and destroy most of the coastal properties in Port O'Connor, Port Aransas, Rockport, and Corpus Christi. Evacuating well inland before a major storm strikes can save your life.

Graphics courtesy of Gordon Wells from the Center for Space Research and Mike Peacock from the Governor's Division of Emergency Management.

# STORM SURGE

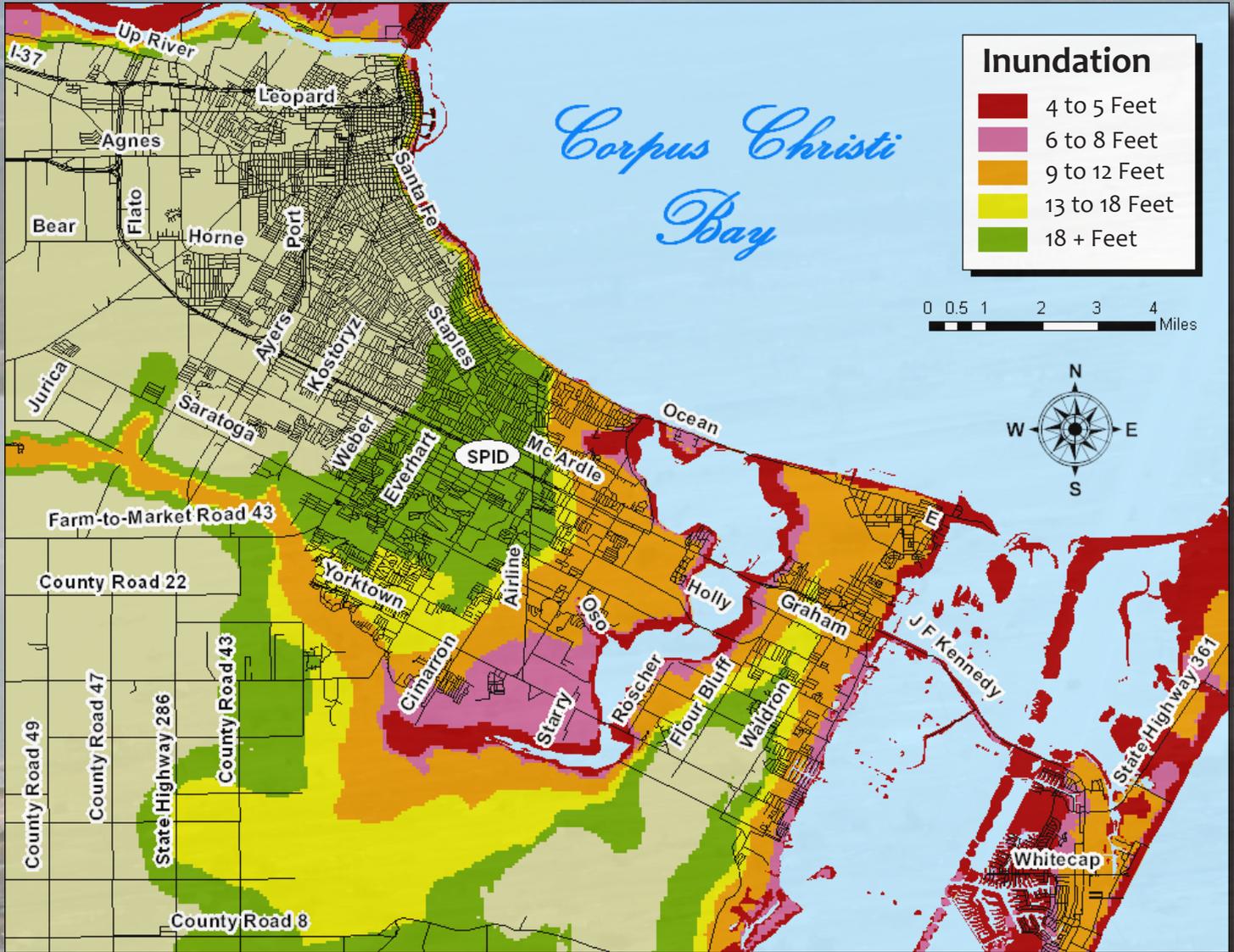
## SOUTH TEXAS STORM SURGE INUNDATION MAP



Above: This map indicates the potential inundation from a storm surge of the listed height. To determine water depth you must subtract your elevation. Accuracy is +/- 20%.

# INUNDATION MAPS

## CORPUS CHRISTI STORM SURGE INUNDATION MAP



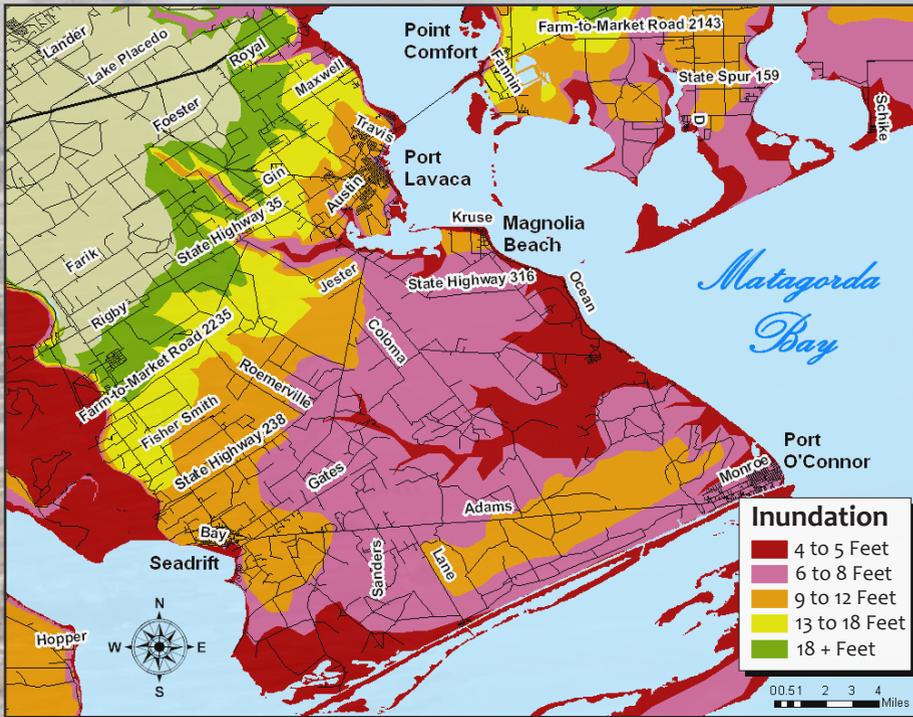
Above: This map indicates the potential inundation from a storm surge of the listed height. To determine water depth you must subtract your elevation. Accuracy is +/- 20%.



Want to see more high resolution storm surge maps? Go To:  
[www.weather.gov/corpuschristi](http://www.weather.gov/corpuschristi)

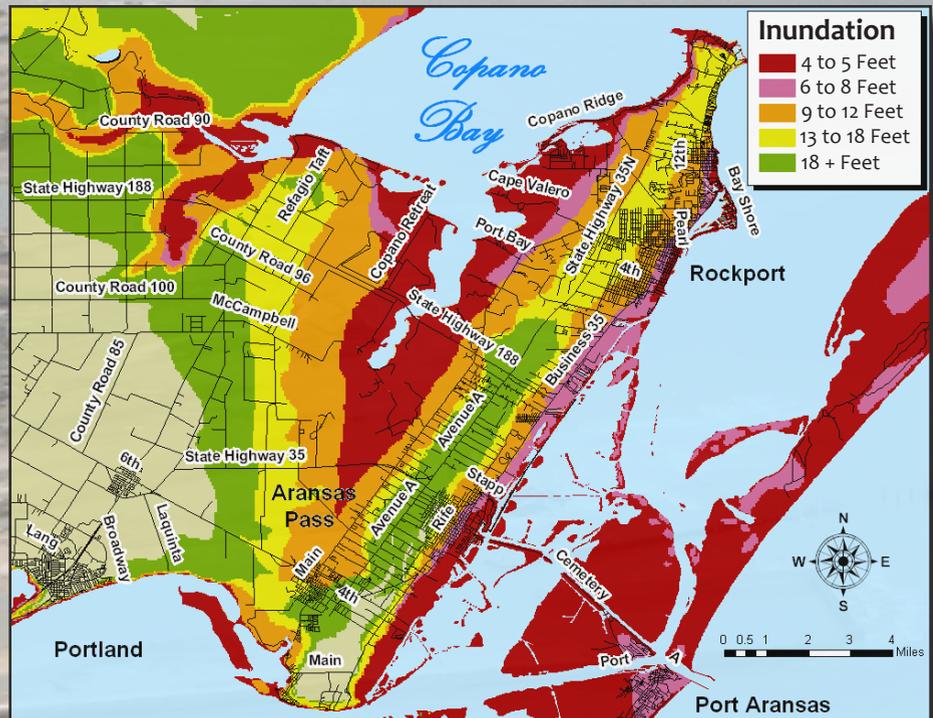
# INUNDATION MAPS

## PORT O'CONNOR



These maps show the potential inundation from a storm surge of the listed height. Colors in the reds and oranges indicate the highest danger. To determine water depth you must subtract your elevation. All of these maps have an accuracy of +/- 20 percent.

## ROCKPORT / PORT ARANSAS



“The greatest potential for loss of life related to a hurricane is from the storm surge.”

- National Hurricane Center

# FLOODING AND TORNADOES



## Inland Flooding

Inland freshwater flooding from tropical cyclones is a major threat to people well inland from the coast. Very slow moving tropical storms and hurricanes can produce tremendous rains of 20 to 30 inches or more in a very short amount of time, resulting in disastrous flooding.

*Left: These homes are completely submerged under several feet of water as a result of inland freshwater flooding.*

## Tornadoes

Tropical cyclones also produce tornadoes. These tornadoes most often occur in thunderstorms embedded in rain bands well away from the center of the hurricane; however, they can also occur near the eyewall. Tornadoes produced by tropical cyclones are relatively weak and short-lived, but still pose a threat.



The remnants of Tropical Storm Amelia (August 1978) produced excessive rainfall in the Hill Country with 3-day maximum rainfall amounts around 48 inches at Medina. There were 27 fatalities in the disastrous flash flooding along the Medina and Guadalupe Rivers.

Hurricane Carla produced 26 tornadoes across southeast Texas in September 1961. An F4 tornado struck Galveston killing 8 and injuring 55 while destroying 120 buildings. It remains the deadliest tornado associated with a hurricane.

# DESTRUCTIVE WINDS



**Above:** This large piece of plywood was driven through the trunk of a palm tree during the fierce winds of Hurricane Andrew in south Florida in 1992.

**H**urricane force winds of 74 mph or more can destroy buildings, mobile homes, trees and power poles. Debris such as signs, roofing material, siding, and small items left outside become flying missiles in a hurricane. The strongest winds occur in a region of the hurricane called the eyewall. Wind gusts in the right side of the eyewall are the most destructive. Hurricane force winds can be felt as far as 150 miles from the coast.

It is imperative to ensure your home or business is well constructed to minimize the damage from the wind. See page 10 in this guide for cost effective home improvement tips that can help you reduce your damage from a hurricane.



## MOBILE HOME RESIDENTS MUST EVACUATE!

- No mobile home or manufactured home - no matter how new it is - can provide safe shelter from hurricane force winds.
- Straps or other tie-downs **will not** protect a mobile home from the high winds associated with a hurricane.
- Mobile home residents **must evacuate** when told to do so by local authorities.



## The Saffir-Simpson Hurricane Intensity Scale



- Category 1 Winds 74 to 95 mph
- Category 2 Winds 96 to 110 mph
- Category 3 Winds 111 to 130 mph
- Category 4 Winds 131 to 155 mph
- Category 5 Winds greater than 155 mph

# PLANNING AND PREPARING

## Preparing Your Home Before the Storm

Proper hurricane preparations made ahead of time will not completely protect your property from damage. However, following a few simple tips may greatly reduce the damage to your home and property.

**Right:** Hurricane clips attaching roof trusses to side walls.



## Important Home Preparation Tips

### Elevation Matters

- Know the elevation of your home! Are you in a flood and/or evacuation zone?

### Mobile Homes

- Check tie-downs for rust or breakage.
- Residents of mobile homes *must evacuate* when told to do so!!

### Landscaping

- Trim trees, shrubbery and dead limbs, especially ones close to your home.
- Repair or replace broken or damaged fences.
- Shredded bark is preferred instead of small gravel or stone bedding.

### Roofing

- Inspect the roof for loose tiles, shingles or debris. Consider replacing old or damaged shingles with new ones rated for hurricane force winds.
- Check for and/or install hurricane clips to secure roof trusses to side walls.
- Clear loose and clogged rain gutters and downspouts.

### Doors

- Reinforce garage doors and tracks or replace with a hurricane tested door. (See above image)
- Reinforce double entry doors with heavy duty foot and head bolts.
- Use a security dead bolt with a one inch minimum bolt length.
- Doors may be shuttered, but one entry must be left easily accessible.

### Windows

- If possible, install tested/manufactured hurricane shutters.
- Inspect existing shutters to ensure they are in good working order.
- Alternative: Use 5/8" or greater exterior grade plywood secured by 2 1/2" screws and/or special clips. Obtain wood and fasteners, cut wood to size, pre-drill holes and place anchors on homes.
- Store shutters or plywood lying flat to avoid warping when not in use.

# PLANNING AND PREPARING



## Business and Employee Preparation



### Tips for Businesses

- Establish a temporary location for business operations in case your facility is damaged.
- Give employees enough time to secure their homes and families.
- Consider paying employees before they leave to prepare their homes.
- Identify and protect vital records. Backup and store key files off site.
- Protect electronic equipment from possible water damage.
- Have extra cash and blank checks in case extra money is needed after the storm.
- Identify a safe room for employees who must remain in the building.
- Develop a 24-hour emergency contact with phone numbers of key employees.
- Set up telephone numbers for employees to check in and receive company information.

## Protecting Your Boat - Marine Preparations



### Tips for Boat Owners

- Purchase necessary hurricane materials such as additional mooring lines, crew anchors, fenders, fender boards, chafing gear, and anchors.
- Safe storm moorings should consist of good condition ropes of sufficient diameter and length, with at least three or four substantial anchor points.
- Do not moor parallel to bank. Receding tides often breach or capsize boats in this type of anchorage.
- Check your marina contract for policies and procedures for hurricanes.
- Check with the manufacturer for proper ways to secure your boat during a storm.
- Consider moving arrangements well in advance of an approaching storm.
- Trailer boats should be removed from the water and securely stored at least 48 hours before a hurricane is expected to make landfall.

# SPECIAL NEEDS AND PETS

## General Preparations for People with Special Needs



FEMA News Photo

Preparation in advance of hurricane season is essential, especially for people with special needs. It is essential that a destination is identified ahead of time that can accommodate people with special needs. Shelters should be considered as a **last resort** when people with special needs evacuate because many shelters cannot provide the attention required. Assisting elderly neighbors and acquaintances with pre-hurricane preparations is encouraged.



## Important Special Needs Tips

- Identify with whom you will stay in the event an evacuation becomes necessary.
- Make arrangements for transportation in the event you evacuate. Make sure your transportation can accommodate any equipment or other supplies that need to be taken with you.
- Make sure you have the following items that should be stored in advance:
  - ✓ Extra copies of your prescriptions in case your physician's office is damaged and not operational.
  - ✓ At least a 1 month supply of medications.
  - ✓ Identification.

## Preparing For Your Pet's Safety

Your pet should be part of your overall hurricane preparation plans. Below are a few important things to help you prepare:

- Make sure your pet's vaccinations are current and have proof they are current. **DO NOT** assume that a public shelter or hotel will accept your pet.
- Be sure to have a current photo of your pet.
- Each animal should have a properly sized pet carrier. The carrier should be large enough for the animal to stand up and turn around.
- Make sure your pet has a proper ID collar.
- Pack enough food and bottled water for the duration of your evacuation. **DO NOT** let your pet eat food or drink water from outside that may have become contaminated.
- Be sure to pack all medications your pet may need along with a muzzle, collar, leash, paper towels, and trash bags.



# CONTACT INFO/SUPPLY KIT

The Coastal Bend - Texas Chapter of the American Red Cross recommends that you have the following items in your Hurricane Supply Kit. Do not forget to have a family meeting before hurricane season and review your communication information and evacuation plan. Make sure the contact information such as home, work, school, cell phone numbers, and your "Out of Town" contact person's information is current.



**American  
Red Cross**

Coastal Bend-Texas Chapter

## Emergency Contact Information

Out of Town Contact Address:

Out of Town Contact Phone Number:

Work Telephone Number:

Cell Number/Spouse Cell Number:

Children Cell Number:

School Telephone Number:

Doctor Telephone Number:

Bank/Credit Card Telephone Number:

Insurance Company Information:




## HURRICANE SUPPLY KIT

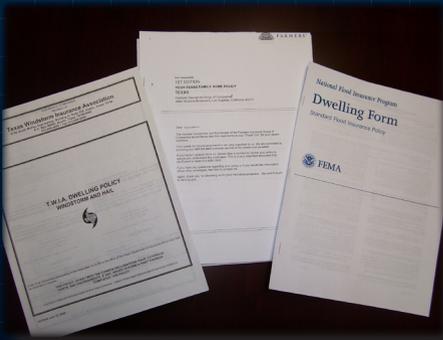


- At least a 7-day supply of non-perishable food and a manual can opener
- At least a 7-day supply of water. One gallon per person per day is recommended
- Battery powered portable television or radio with extra batteries
- Flashlight with extra batteries
- First Aid kit and manual
- Sanitation and hygiene items such as instant hand sanitizing gel, moist towelettes, toilet paper, and feminine hygiene products
- Matches in a waterproof container
- Whistle
- Kitchen accessories and cooking utensils
- Cash
- Extra clothing, blankets, and sleeping bags
- Photocopies of identification, insurance, prescriptions, household inventory, credit cards, and your latest utility bill
- CD or photocopies of important documents such as birth/marriage certificates and titles
- Prescription medications, eyeglasses, contact lens solution, and hearing aid batteries
- Formula, baby food, diapers, and pacifiers
- Pet carriers, leashes, shot records, and food for each animal evacuating with you
- A good map showing county roads and highways
- Tire repair kit, booster cables, pump, and flares
- White distress flag
- Toys and games for children
- List of family phone numbers and addresses outside the area

# INSURANCE TIPS

## Insurance Tips - Before The Storm

- When shopping for insurance, get quotes from different companies and consider financial strength and history of complaints from each company.
- Ask agents for discounts if available.
- New and existing policies **will not be written or modified** when a storm nears the Gulf of Mexico.
- Make sure you fully understand what perils are covered and excluded in your policy.
- Make sure your coverage is adequate to replace your home and contents in today's dollar.
- Determine whether your policy covers additional living expenses for a temporary residence if you are unable to live in your home because of damage from a disaster.
- **DO NOT** cancel an old policy until you have a new policy in effect.
- Before hurricane season, prepare detailed written and/or photographic inventory of your home's contents and store it in a safe place with your policy.
- If you evacuate or choose to leave your home for safety, make sure to take the written and photo inventory with you, as well as all insurance policies (auto, home, life, etc.)
- If your insurance company does not cover flood or windstorm perils, ask about coverage through the Texas Windstorm Insurance Association or the National Flood Insurance Program.



## Important Web Information

National Flood Insurance Program

[www.floodsmart.gov](http://www.floodsmart.gov)

Texas Windstorm Insurance Association

[www.twia.org](http://www.twia.org)

Texas Department of Insurance

[www.tdi.state.tx.us/consumer](http://www.tdi.state.tx.us/consumer)

1-800-252-3539 (Consumer Help Line)

## Insurance Tips - After The Storm

- Give prompt written notice to your insurance company.
- If you cannot be easily contacted, give your insurance company the contact information of a trusted friend or relative who can reach you if necessary.
- Photograph or videotape damaged structures and all damaged property. Make a list of damaged or lost items.
- **DO NOT** throw out damaged property before your adjuster has inspected the debris unless it is a health hazard or impedes local cleanup.
- Protect your property from further damage.
- Keep an accurate record of temporary repair and living expenses if a loss of use is suffered.
- Along with insurance adjuster estimate for repairs to home, obtain two or more contractor estimates. Estimates must be broken down per line item.
- Payment advancements are made to policy holder for home repairs, personal property and living expenses. Final payments are made only after completed repairs and adjuster review.

# MORE LOCAL NEWS

## 3 NEWS *at Six & Ten*

Joe Gazin      Bill Vessey  
Katia Uriarte      Dan McReynolds



## 3 NEWS *at Five*

Rudy Trevino      Katy Kiser



## 3 NEWS *First Edition*

Regina Garcia      Dave Cochran



## 3 NEWS *First Edition Weekends*

Sabrina Hall      Mike Pesina



## 3 NEWS *Weekends*

Erik Rosales      Alan Harwell





Bill Vessey

Dave Cochran

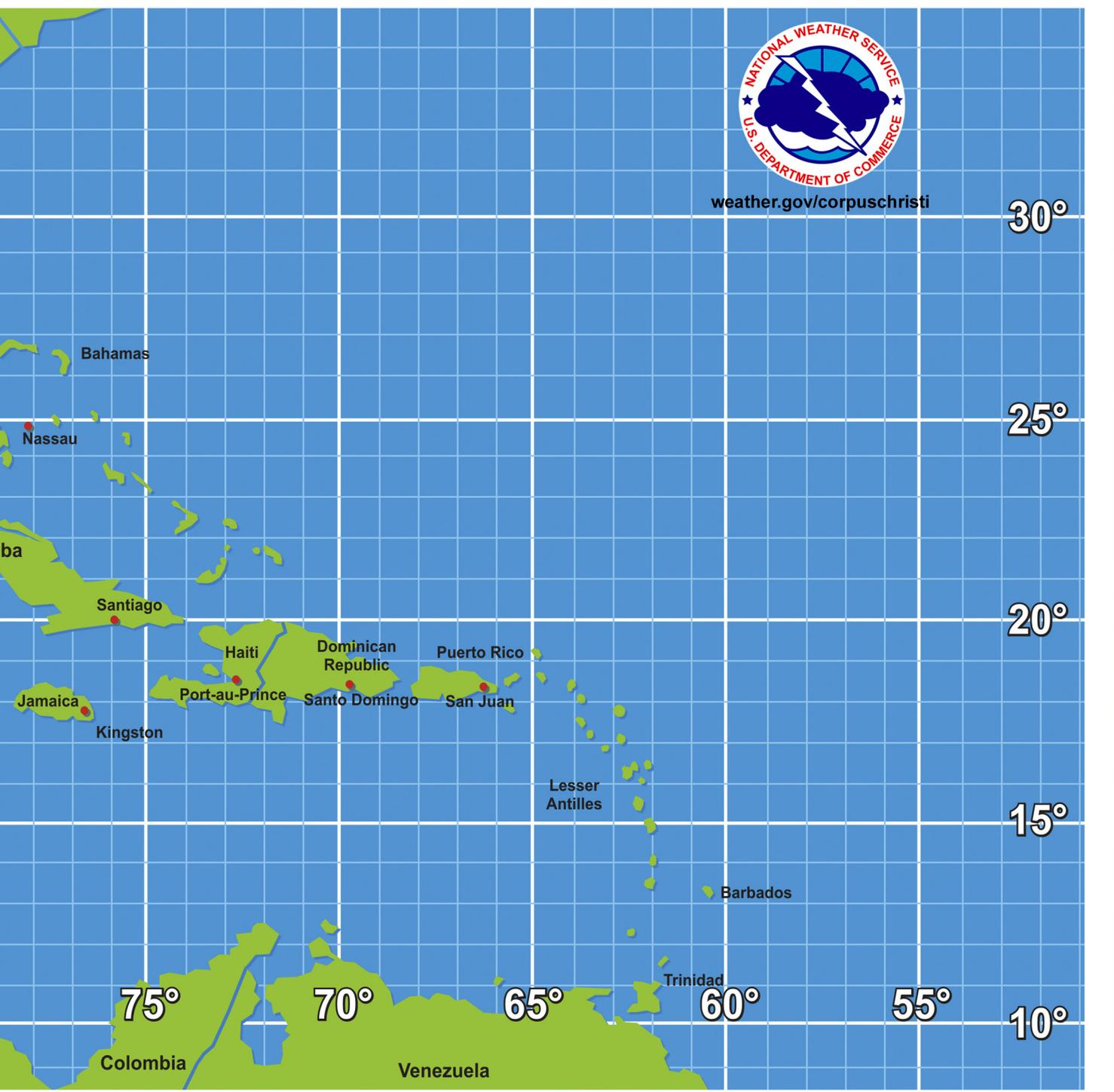
Mike Pesina

## 2009 Hurricane Names

- Ana
- Bill
- Claudette
- Danny
- Erika
- Fred
- Grace
- Henri
- Ida
- Joaquin
- Kate
- Larry
- Mindy
- Nicholas
- Odette
- Peter
- Rose
- Sam
- Teresa
- Victor
- Wanda



This chart is marked with vertical (longitude) and horizontal (latitude) lines, each representing 1 degree. A storm's position is given in these degrees.



es. Find the given longitudinal number at the bottom of the chart. Follow it up where it intersects with the given latitudinal line. Place a mark on the intersection point (this is the hurricane's current position).

# HURRICANE FORECASTS

The National Hurricane Center (NHC) in Miami, FL is the official source for tropical cyclone advisories and forecasts and is responsible for issuing tropical cyclone watches and warnings for the United States.

## Weather Information

### National Weather Service

[www.weather.gov/corpuschristi](http://www.weather.gov/corpuschristi)

24 Hour Phone Recording: (361) 289-1861

### National Hurricane Center

[www.nhc.noaa.gov](http://www.nhc.noaa.gov)

## Graphical Tropical Weather Outlook

- New NHC product provides an overview of all tropical cyclone activity.
- Indicates areas of interest that have potential for tropical cyclone development.
- Moving the cursor over the highlighted areas will provide a more detailed text description.

## NHC Forecast Advisory

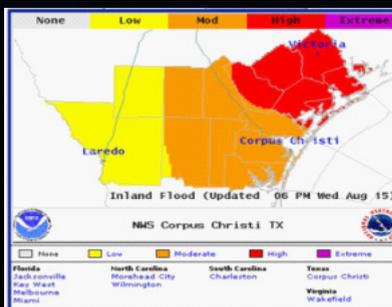
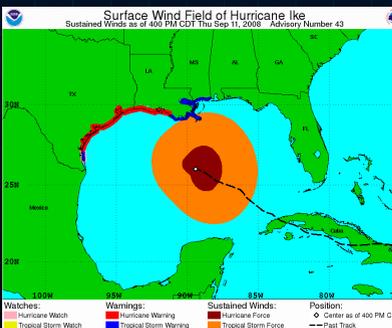
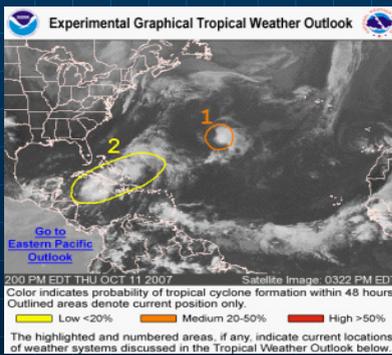
- Most recent position for a storm along with all coastline watches and warnings. Includes a 3 or 5 day track with error cone.
- Error cone represents a 5 year average error. Storms only stay within the error cone 67% of the time.
- DO NOT focus too closely on the exact track forecast - the little black line.

## Storm Wind Field Graphic

- This graphic illustrates the size and shape of the tropical cyclone wind field.
- Some hurricanes have a broad and extensive wind field, with hurricane force winds extending well away from the center, while others have small circulations with hurricane force winds confined near the center.

## Graphical Hurricane Local Statement (HLS)

- Issued by local NWS offices to summarize local impacts expected from the tropical cyclone.
- A text version of the Hurricane Local Statement is also available from your local NWS office which provides more detailed information on the tropical cyclone's local impacts.



# FINAL CHECKLISTS

## Actions to Take When a Storm is in the Gulf

- Listen frequently to radio, TV, or NOAA weather radio for bulletins and forecasts of the storm's progress.
- Double check items in your emergency supply kit.
- Fuel and service your vehicles.
- Inspect and secure mobile home tie-downs.
- Make sure you have supplies to survive on your own for at least one week if you plan on staying.
- Board up windows (if shutters do not exist) in case storm moves quickly and you have to leave. **TAPE PROVIDES NO PROTECTION!**
- Store lawn furniture and other loose, light weight objects, such as garbage cans and garden tools.
- Get plenty of extra cash in case power goes out and ATMs do not work.
- Garage or store vehicles that are not being used.
- Follow instructions issued by local officials. **EVACUATE IMMEDIATELY IF ORDERED TO DO SO!**

## Final Actions to Take if Leaving

- Turn off propane tanks.
- Unplug small appliances.
- Empty refrigerator and freezer.
- Turn off utilities if ordered to do so.
- Notify family members of your evacuation plans.
- Lower water level in swimming pool by one foot.
- Lock home securely.
- Board up remaining doors and brace garage door.
- Take pets with you.

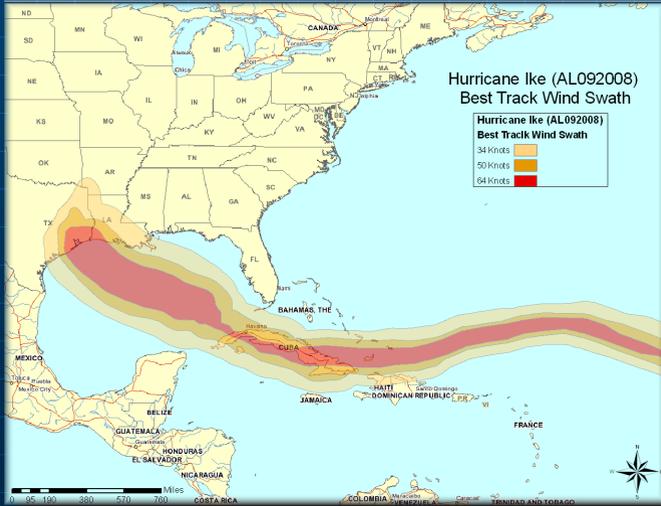


## Final Actions to Take if Staying

- Close storm shutters.
- Turn refrigerator or freezer to coldest setting and open only if necessary. (25 pounds of dry ice will keep a 10-cubic foot freezer below freezing for 3-4 days.)
- Follow instructions from emergency managers and be prepared to turn off utilities if ordered to do so.
- Board up remaining doors, brace garage door, and remain inside. Stay away from boarded up windows.
- Take refuge in a predetermined safe room, such as an interior closet, bathroom, or hallway.
- Beware of the calm winds in the eye of the storm and do not venture outside. Some of the strongest winds may occur shortly after the eye passes.
- **DO NOT EXPECT EMERGENCY RESPONDERS TO BE OF ANY ASSISTANCE DURING A LANDFALLING HURRICANE!**

# HURRICANE IKE

## Track and Intensity

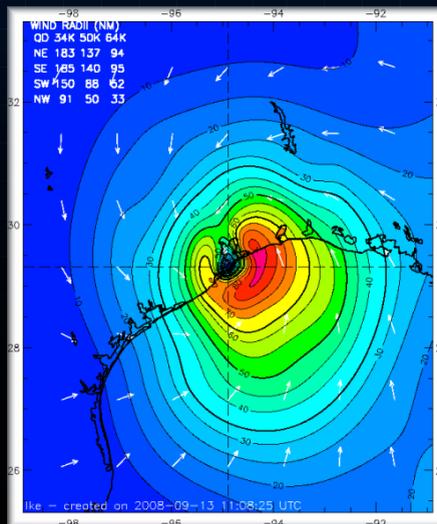


**Above: Track of Hurricane Ike and its associated intensity.**

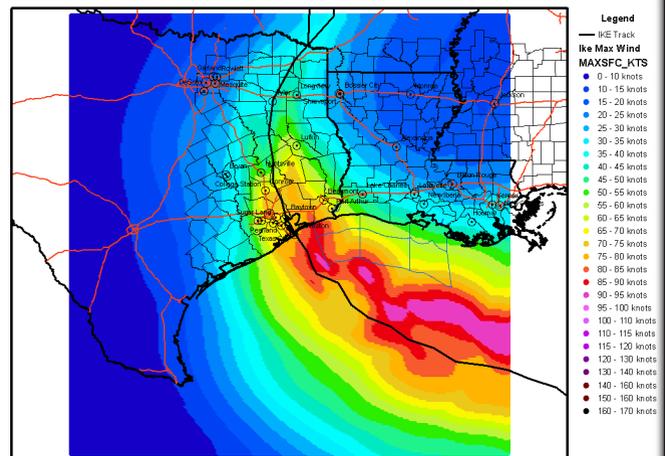
force wind gusts spread well inland across southeast Texas reaching the city of Lufkin which is 150 miles from the coastline.

Ike's large wind field contributed to storm surge values well in excess of those normally associated with a category two storm. Preliminary estimates from the NWS at Houston/Galveston and the Harris County Appraisal District indicate that Ike's peak storm tides reached 12-16 feet on the west side of Galveston Bay and possibly 16-20 feet along the shores of Chambers County which lines the eastern portion of Galveston Bay. A significant surge of up to 10 feet was even observed 20 miles inland across Sabine Lake and into the community of Bridge City which is located about 10 miles east of Beaumont along Interstate 10.

**The image on the bottom left shows the maximum 1-minute sustained winds at landfall. The image on the right shows the track and wind field across the western Gulf of Mexico. Notice the large size of the wind field over the open waters of the Gulf of Mexico.**



## Hurricane Ike Maximum Sustained 1 Minute Wind in Knots



The following maximum sustained wind swaths are preliminary results computed by the Hurricane Research Division, and will be subject to further modifications as new data becomes available.

# HURRICANE IKE



**Above: Home flooded by the storm surge from Hurricane Ike in Bridge City, TX. -- TX DPS**



The hardest hit areas were in the typical right front quadrant of the hurricane along the Bolivar Peninsula eastward to Sabine Pass. Many of these folks were just recovering from Hurricane Rita which struck in 2005. Although Ike made landfall 200 miles northeast of Corpus Christi, the impact from this storm was felt all the way down the coast. Storm tides up to 5 feet were felt as far south as Port Aransas and for months after the storm millions of pounds of debris washed up on Texas Beaches. If Ike had made landfall on the Mid Texas Coast, the impact from storm surge could have been devastating. Hurricanes will continue to impact the Texas coast and on average strike every 2-3 years. Major hurricanes hit Texas about once every 6 years. The last major storm to strike the mid coast was Celia in 1970, 39 years ago. Will you be prepared when the next storm strikes?



**Top Left: Home destroyed by flood waters from the storm surge from Hurricane Ike in Bridge City, TX.**

**Bottom Left: Home destroyed by storm surge from Hurricane Ike near Caplen, TX.**

**Above: Satellite image from Hurricane Ike over the northwest Gulf of Mexico -- Image NASA**

# RIP CURRENT SAFETY

## Hurricane Surf

**H**urricanes bring large waves to nearby beaches that are dangerous for beachgoers. High waves, when combined with the high tide, storm surge, and wind and wave setup, can create a serious threat to both lives and property. Jetties and piers typically amplify the size of the waves, causing an even more dangerous situation. Hurricane waves can injure or drown those who enter the water, so **remember: If in doubt, don't go out!**

## RIP CURRENTS Break the Grip of the Rip!

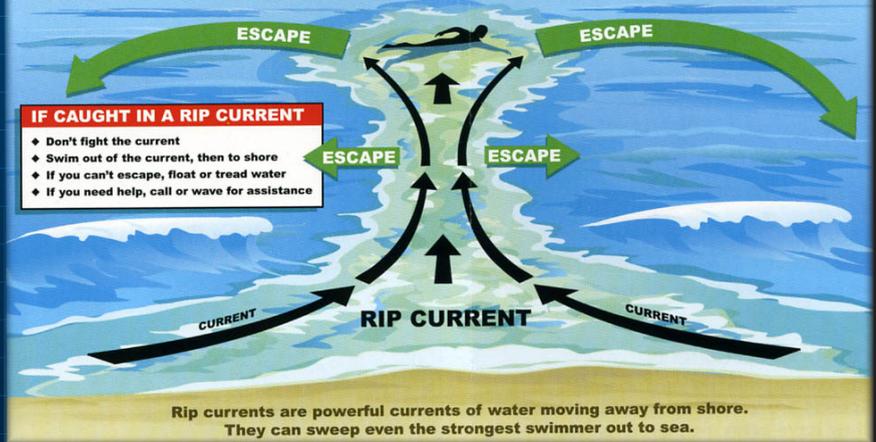
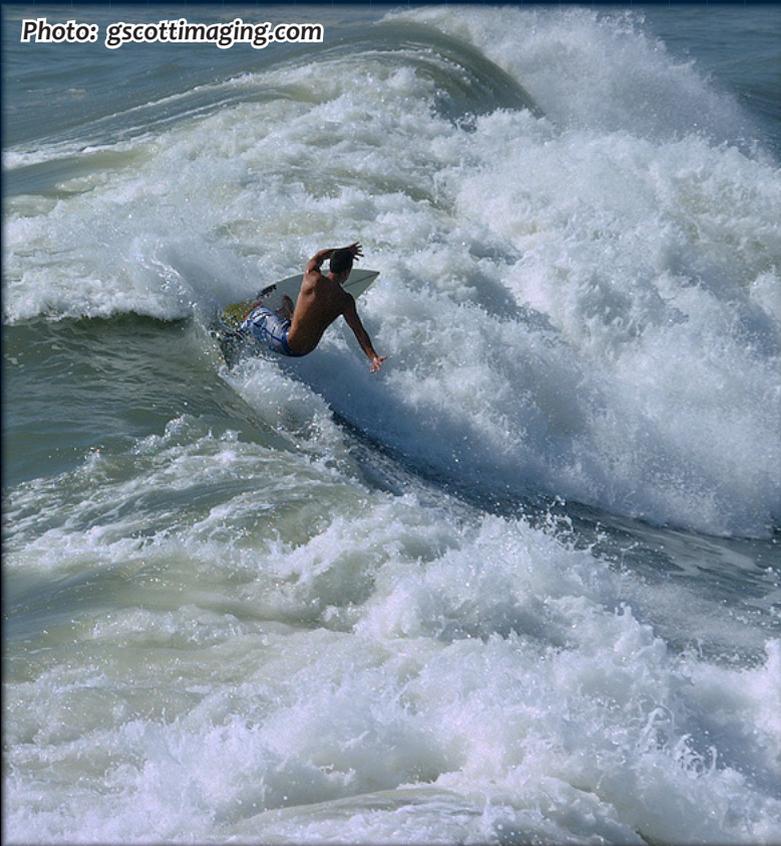


Photo: [gscottimaging.com](http://gscottimaging.com)



## Rip Currents

**A**long with big surf come strong rip currents. Rip currents are the leading surf hazard for all beachgoers and result in over 100 drownings every year in the United States. The strength and size of rip currents are related to the size of the surf and wave period. Rip currents typically form at the low spots in the surf, at the breaks in the sandbars, and near jetties and piers.

If caught in a rip current, don't panic, but swim parallel to the shore. The current is usually only about 50 feet wide and you should be able to swim out of it. At that point, you can swim back to shore. If you are still unable to reach the shore, draw attention to yourself: face the shore, wave your arms, and yell for help.

# COLLEGE STUDENT PREPARATION

## Student Information Checklist

- Assure that all contact information and emergency contact information is accurate with your campus's registrar's office.
- If your campus offers an emergency management communication system, register as a user of the system.
- Plan your method of evacuation and your destination before a storm enters the gulf.
- Monitor local radio and TV stations for updates.
- Contact your campus Student Affairs Office if you need assistance with evacuation.
- If you require any assistance due to a disability-related accommodation, please contact your campus Disability Services Office to make necessary arrangements.
- Communicate with your family regarding status and location
- If your campus is evacuating, you will not be allowed to remain on-campus and it is highly recommended that you leave the city. Do not go to a coastal location.
- Take your driver's license, student I.D. card, and a copy of your housing lease as well as medical insurance cards and other important documents when you evacuate.
- If you bank with a local bank or credit union whose infrastructure may be damaged by the storm, withdraw some funds as you may not have access to them once you leave the area.
- International students must take passports with US student visa inside, I-20, I-94, student I.D. and class schedule.
- If using personal transportation, take as many of your valuable or irreplaceable items as you are able.
- If driving, make sure all roads that you are driving are open and safe. You can call the Department of Transportation at 1-800-452-9292 or check on-line for conditions at [www.dot.state.tx.us](http://www.dot.state.tx.us)
- Follow baggage limits if participating in an assisted evacuation program.
- Take a 30-day supply of medications in original pharmacy containers.
- Make a record of any valuables that are left behind (description, serial numbers, etc). Take pictures of all belongings.
- If you are evacuating to a shelter, make appropriate arrangements for pets as most shelters do not accept pets.
- Do not plan to return to campus until an all-clear is given (monitor media and campus web-site).



## Preparing Your Room

- ✓ Unplug all electronics and cover them in plastic
- ✓ Shut and lock your window and close your blinds
- ✓ Store items off the floor and away from windows
- ✓ Take all items off balconies and out of yards
- ✓ Follow any additional instructions by your landlord
- ✓ Empty refrigerator
- ✓ Take valuables



# EVACUATION

**E**vacuees need to consider the projected path of the hurricane when choosing an evacuation route and destination. Evacuation studies estimate that it takes between 23 and 42 hours to evacuate the coastal bend in advance of tropical storm force winds. This underscores the need for coastal residents to have an evacuation plan. When evacuating, be sure to check local weather and highway conditions before departing. When local authorities order an evacuation of your area, leave immediately!

**Below: The three main routes away from the coastal bend. These can quickly become congested.**



## Texas Road Information

### TXDOT Road Conditions

1-800-452-9292 or [www.txdot.gov](http://www.txdot.gov)

### TXDOT Corpus Christi Office

1-361-808-2300

### Emergency Broadcast Information

KLUX Radio 89.5 FM

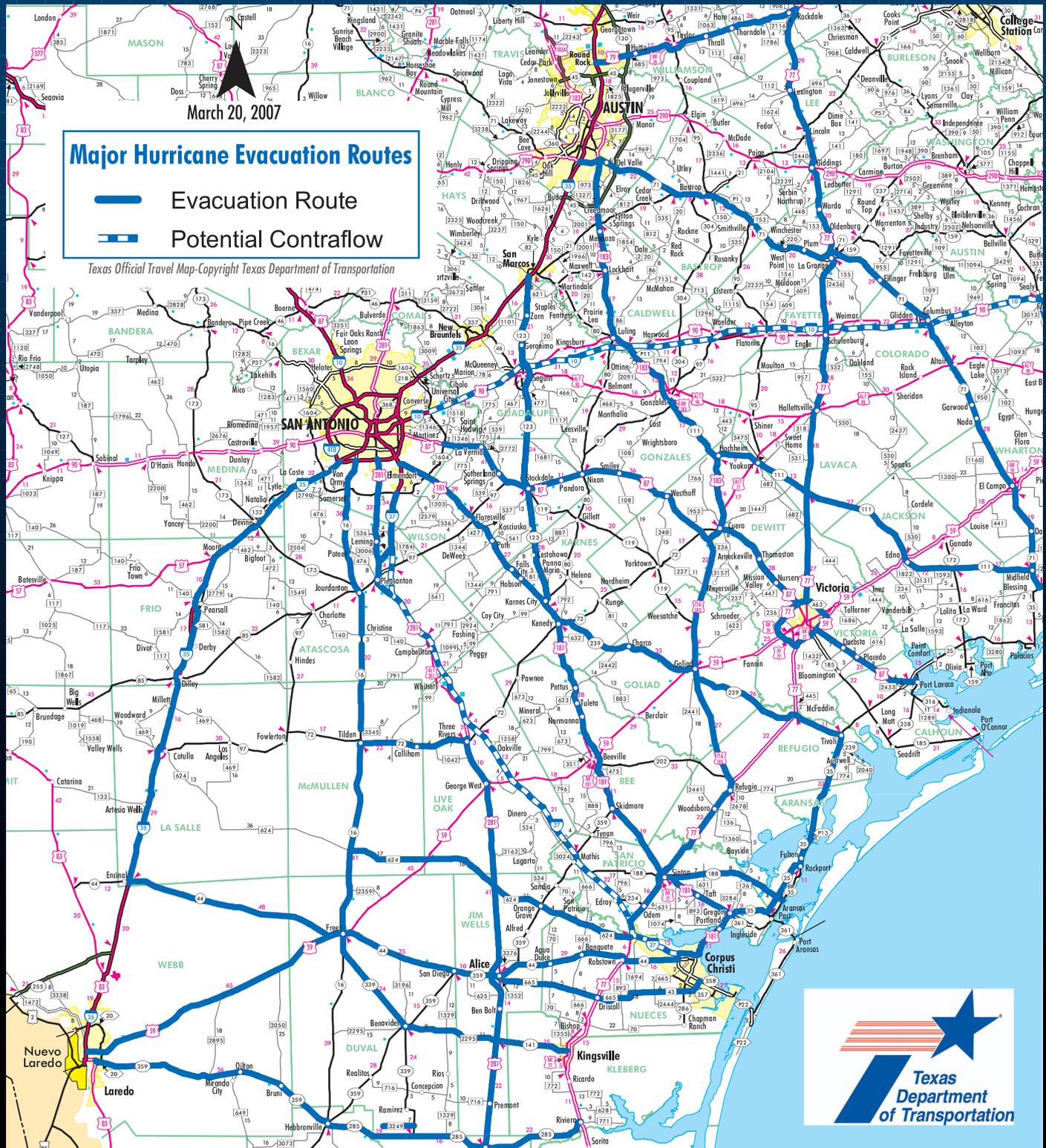


## Final Actions before Evacuating

- Follow evacuation orders provided by your local officials. Once the evacuation order has been given, LEAVE IMMEDIATELY!
- Take your Hurricane Supply Kit with you (as described on page 13).
- Leave as early as possible to avoid heavy traffic and hazardous weather.
- See TXDOT map on the next page for an illustration of primary and alternate evacuation routes. Remember that the primary routes often become congested quickly.
- Do not stay in a mobile home near the coast under any circumstance.
- Remember that large boats and travel trailers may not be allowed to cross the JFK causeway or Harbor Bridge once high winds commence.
- Prepare to stay at your evacuation destination for a week or more, as re-entry into the affected area may be restricted.

# EVACUATION

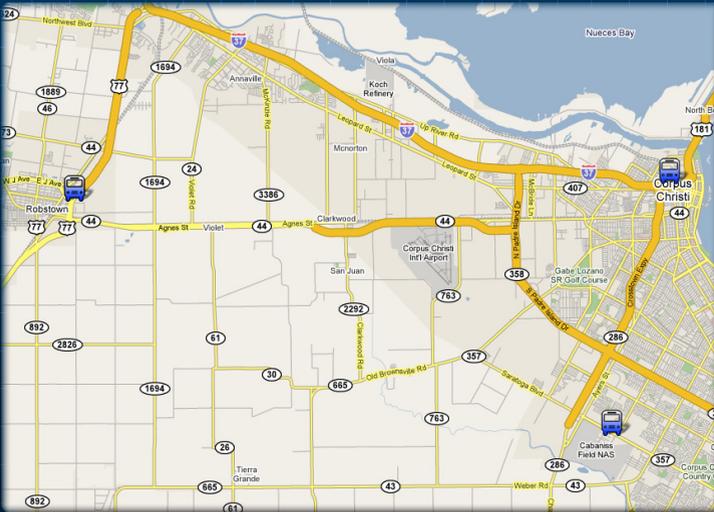
## Suggested Evacuation Routes



# CITY BUS EVACUATION

Bus Loading Points will open on an as-needed basis. **DO NOT** go to Bus Loading Points unless directed by public officials.

Call 2-1-1 and register every year if you will need bus transportation. One piece of luggage per person. Have ID and any medications.



## Corpus Christi

- Any RTA Bus Stop
- C. C. Natatorium near Cabaniss Field
- Special Needs - Oval Williams Senior Center
- Robstown Fairgrounds



## Victoria

- Victoria Community Center



## Kingsville

- Kleberg County Courthouse
- National Guard Army Parking Lot



## Rockport

- Live Oak Elementary



## Port Lavaca

- Bauer Community Center

# EMERGENCY INFORMATION

## ARANSAS COUNTY

- Rockport Police  
361-729-1111
- County Sheriff  
361-729-2222

## BEE COUNTY

- County Emergency Management  
361-362-3271 [www.co.bee.tx.us](http://www.co.bee.tx.us)
- County Sheriff  
361-362-3221

## CALHOUN COUNTY

- County Emergency Management  
361-553-4400
- County Sheriff  
361-563-4646

## GOLIAD COUNTY

- County Emergency Management  
361-645-1729
- County Sheriff  
361-645-3451

## JIM WELLS COUNTY

- County Emergency Management  
361-668-1018
- Alice Emergency Management  
361-664-3111

## KLEBERG COUNTY

- County Emergency Management  
361-595-8527
- County Sheriff  
361-595-8500

## LIVE OAK COUNTY

- County Sheriff  
361-449-2271

## NUECES COUNTY

- County Emergency Management  
361-888-0513
- City of Corpus Christi  
361-826-1100 [www.cceoc.com](http://www.cceoc.com)
- Port Aransas City Hall  
361-749-4111 [www.cityofportaransas.org](http://www.cityofportaransas.org)
- City of Robstown  
361-387-2522 [www.rfd@cityofrobstown.com](mailto:www.rfd@cityofrobstown.com)
- City of Bishop  
361-584-2567

## REFUGIO COUNTY

- County Sheriff  
361-526-1698

## SAN PATRICIO COUNTY

- County Emergency Management  
361-364-9650
- Ingleside Police  
361-776-2531
- Portland Police  
361-643-2546

## VICTORIA COUNTY

- City/County Emergency Management  
361-485-3362
- City/County Emergency Hotline  
361-485-3020



## Additional Information

**US Department of Homeland Security**  
[www.ready.gov](http://www.ready.gov)

**National Red Cross**  
[www.redcross.org](http://www.redcross.org)

**FEMA**  
[www.fema.gov](http://www.fema.gov)

**Community Resource Information:  
Do Not Call 911 for Non-Emergencies!**

**2-1-1**

# RETURNING HOME



**IF YOU EVACUATED THE AREA, WAIT FOR AN ALL CLEAR FROM THE CITY OR COUNTY BEFORE ATTEMPTING TO RETURN TO YOUR HOME. BE PREPARED TO SHOW PROOF OF RESIDENCE BY HAVING A COPY OF YOUR LATEST UTILITY BILL.**



FEMA News Photo



## General Cleanup

- Be cautious of structural damage and downed power lines. Do not attempt to move structural supports or large pieces of debris.
- DO NOT run power generators indoors. Inhalation of carbon monoxide from the exhaust can cause death. Ensure exhaust is well ventilated.
- DO NOT use open flames indoors.
- Restrict your driving to emergency use only. Road conditions may be unsafe until road debris is cleared.

## Debris Cleanup

- Cities and counties will publish a schedule for debris pick-up and removal. Debris cannot be removed from private property.
- Construction materials, vegetative debris, household hazardous waste and household appliances will need to be placed into separate piles and moved to the curbside for pick-up.

FEMA News Photo



FEMA News Photo



## Water

- Listen for instructions regarding public water supply. Use only bottled, boiled or treated water until you know that your water supply is safe.
- You can use household chlorine bleach to treat water for drinking or cleaning. Add 1/8 teaspoon of bleach per gallon of clear water or 1/4 teaspoon of bleach per gallon if water is cloudy. Allow water to stand for 30 minutes before using.

# RETURNING HOME

## Utility Cleanup

FEMA News Photo



- Check for gas leaks. If you smell or hear gas leaking, leave immediately. DO NOT use the phone or turn on lights in your home. Call the gas company from a neighbor's phone.
- Report any visible damage of power lines to the electric company. Turn off power at main breaker if any electrical equipment or circuits have been exposed to water.
- DO NOT connect generators to your home's electrical circuits. If a generator is on line when electrical service is restored, it can become a major fire hazard. Also, line workers working to restore power will be endangered if a generator is hooked up to the home's circuits.
- It is likely that an electric company other than your own will reconnect the lines to your home; however, they can not turn the service back on. Only your electric company can actually turn the power back on to your house.

## Sewage Cleanup

- If you suspect water or sewage lines are damaged, do not use your plumbing (toilets, sinks, etc.). Contact the water company or a plumber for repairs.
- A chemical portable commode can be created by the following:
  - ✓ Use 5 gallon buckets with tight lids, lined with heavy duty plastic garbage bags.
  - ✓ Add kitty litter to the bucket as a disinfectant and deodorizer. Keep lids on firmly.
  - ✓ Keep buckets in a cool, dark place. Clean and disinfect buckets immediately.
- Your toilet can also be used by flushing until the bowl has no water. Then, line with heavy duty trash bags and disinfect with chlorine bleach after each use. Remove waste to an outside location.
- If significant sewer outages have occurred, instructions for disposal of human wastes will be announced.
- DO NOT dispose of human waste through your regular trash!

## Interior Cleanup

- Disinfect and dry interior buildings and items inside. This will prevent growth of some bacteria, viruses, mold, and mildew that can cause illness.
- Clean walls, floors, and counter tops with soap and water. Disinfect them with a solution of 1 cup of bleach to 5 gallons of water.
- Wash all clothes and linens in hot water. Air dry and spray all unwashable items with disinfectant. Steam clean carpets. Throw away all items touched by water that cannot be disinfected.