7 Flood Warning System

The Broward County Office of Emergency Management (OEM), in conjunction with the National Weather Service, relays updates of threatening weather to government & media outlets. Flood warning or watch advisories are issued through local radio & TV stations.

Advisories are broadcast on radio stations, including WIOD 610 AM and WINZ 940 AM, television stations, including WFOR 4, WTVJ 6, WSVN 7 and WPLG 10, as well as other media outlets.

The City has CocoALERT, an automated phone message system to inform participating residents in targeted areas, of threats including flooding. Sign up for FREE at www.CoconutCreek.net/CocoALERT.

CocoALERT

8 Evacuation Information

Information on shelters offered by the American Red Cross is available at www.RedCross.org or 954-797-3800.

Find information on local shelters at www.CoconutCreek.net/HURRICANES.

For people with special needs such as oxygen or electrical dependencies, please call 954-537-2888 for information and reservations at Special Needs Shelters.

www.redcross.org

9 Floodplain Development Permit Requirements

Coconut Creek has adopted regulations concerning floodplain development. These control the alteration of natural floodplains, prevent or regulate the construction of flood barriers which may unnaturally divert floodwaters, increasing flood hazards in other areas. The regulations also govern uses which may increase erosion, causing potential damage to structures.

Coconut Creek currently regulates development within the natural floodplains through our Development Review Process. Engineering and/or building permits are required prior to construction or altering the natural elevation of a site.

You may contact the Coconut Creek Building Division at 954-973-6750 or Engineering Division at 954-973-6786 for information on securing appropriate permits prior commencing any site development or construction.

10 Substantial Improvement

Substantial Improvement is defined in the City Code of Ordinances Section 10-4 as any combination of repair, reconstruction or improvement to a structure, during the life of the structure, the cost of which equals or exceeds 50% of the market value of the structure.

The market value is the value of the structure prior to being damaged. For the purpose of this definition, "substantial improvement" is considered to occur when the first alteration of any wall, ceiling, floor, or other structural part of the building commences, whether or not the alteration affects the external dimensions of the structure. The term does not, however, include either (1) any project for improvement of a structure to comply with existing state or local health, sanitary, or safety code specifications which are solely necessary to assure safe living conditions, or (2) any alteration of a structure listed on the National Register of Historic Places or a state inventory of historic places. Call the Building Division at (954) 973-6750 or Engineering Division (954) 973-6786 if you have any questions.

11 Drainage System Maintenance

Maintenance of the drainage system is performed on a regular basis by either the City, COCOMAR Water Management District or South Florida Water Management District, depending on jurisdiction. The City is responsible for maintaining those systems that are within its rights of way.

The drainage system consists of a well-connected network of storm drain pipes, canals and lakes. The area north of Sample Road discharges into the Hillsboro Canal, while the area south of Sample Road discharges into the C-14 Canal. Both the Hillsboro Canal and C-14 Canal form what is known as the "primary drainage system". The "secondary drainage system" consists of pipes, canals and lakes. All other drainage systems are considered "tertiary", especially those that flow from private properties. They are required to be re-certified by Broward County Environmental Protection Department.

The City adopted and adheres to the FS403.413-prohibiting dumping litter in any manner and City Ordinance Sec. 17-23 prohibits pollution of waterways. Penalties are enforced based on the volume of litter.

The graphic below depicts a stencil placed on all city catch basins/inlets.

NO DUMPING!
DRAINS TO CANAL

12 More Information

Visit www.FEMA.gov for more information on flood-related issues. This website contains information such as a list of flood insurance companies, the process for filing a change to Flood Zone Status, property protection measures, and flood safety.

The City's flood information can be obtained at the Utilities & Engineering Building, located at 5295 Johnson Road, Coconut Creek, FL, 33073.

To view real-time site readings from the regional water pumps, please visit the South Florida Water Management District website, www.sfwmd.gov.

sfwmd.gov

For more information, please call FEMA at
877-FEMA MAP (877-336-2627)

FLOOD SAFETY INFORMATION

COCONUT CREEK
UTILITIES & ENGINEERING DEPARTMENT

5295 Johnson Road
Coconut Creek, FL 33073
954-973-6786

www.CoconutCreek.net

August 2014

FLOOD SAFETY INFORMATION CITY OF COCONUT CREEK

1 History

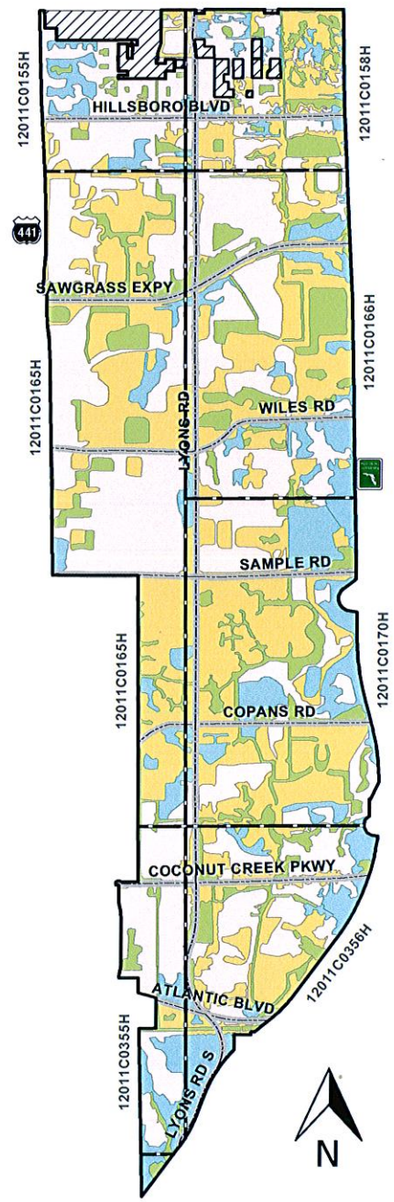
In 1968, Congress passed the National Flood Insurance Act, which created the National Flood Insurance Program (NFIP). This program provides Federally backed flood insurance to communities that agree to adopt and enforce floodplain management ordinances that reduce future flooding. In 1990, the Federal Insurance Administration implemented the Community Rating System (CRS), which provides incentives for communities to go beyond the minimum floodplain management requirements & develop extra flood protection measures. The City's efforts & participation in the CRS (rating of 7), allows residents in Special Flood Hazard Areas a 15% savings on flood insurance, & residents outside of these areas a 5% savings.

2 Flood Safety

Please review the following safety tips to ensure the safety of you & your family.

- ***Do not walk through flowing water***
  Drowning is the number one cause of flood related deaths, occurring most often during flash floods. Currents can be deceptive. Six inches of moving water is enough to knock you off of your feet. If you must walk in standing water, use a pole or a stick to ensure you have firm footing.
- ***Do not drive through a flooded area***
  More people drown in their vehicles than anywhere else. Do not drive around road barriers; roads or bridges may be washed out.
- ***Stay clear of downed power lines***
  The second leading cause of death during floods is electrocution. Electricity can travel through water! Report downed power lines to Florida Power & Light at 800-468-8243 or call the Police at 954-973-6700.
- ***Have your electricity, gas & other utilities turned off***
  Appliances, such as television sets maintain an electrical charge even when unplugged. Stay clear of appliances that have gotten wet.
- ***Beware of displaced animals & snakes***
  Animals & snakes may seek refuge in your home during times of flooding.
- ***Watch your step***
  Floors & stairs can be treacherous when covered with debris or mud.
- ***Beware of gas leaks***
  Do not smoke or use open flames near damaged/leaking gas lines until the gas has been turned off & the area has been well ventilated.
- ***Pet information***
  Most shelters do not allow pets. For information of Pet Friendly Shelters, call 954-989-3977, or visit ***www.humanebroward.org***, prior to a flood.

3a Flood Insurance Rate Map (F.I.R.M.)



3b Flood Insurance

- The cost of flood insurance is based on the desired amount of coverage & your flood zone designation.
- Residents can purchase policies up to $250,000 for their home & $100,000 for contents. Nonresidential structures can be protected up to $500,000 for the structure & $500,000 for contents. Renters may purchase flood insurance up to $100,000 for contents.
- We urge people who live in or own property in the hazard areas to purchase flood insurance to mitigate losses from flooding.
- Flood Insurance is required in certain instances, such as homes with Federally backed mortgages. It is prudent for residents living near any body of water to carry flood insurance even if not in a Flood Zone. There is a 30-day waiting period before NFIP coverage takes effect.
- Homeowner's Insurance does not cover damage resulting from floods.

Flood Insurance Rate Map Legend

ZONE AE - 1% chance of flooding. Base Map Elevations determined.

ZONE AH - 1% annual chance of flooding. Flood depths of 1-3 ft. (usually in areas of ponding) with Base Flood Elevation determined.

ZONE X - Moderate Risk - 0.2% annual chance of flooding; 1% annual chance of flooding with average depths of less than 1ft. or with drainage areas less than 1mi ; areas protected by levees.

ZONE X - Minimal Risk - Areas determined to be outside of the 0.2% annual chance flood.

Unincorporated Broward County (125093)

NOTE: Flood hazard areas identified on the Flood Insurance Rate Map are classified as a Special Flood Hazard Area (SFHA). SFHA's are defined as the area that will be inundated by the flood event have a 1% chance of being equaled or exceeded in any given year. The 1% annual chance flood is also known as the "base flood" or "100 year flood". SFHA's are labeled here as Zone AH (Blue) or Zone AE (Green). Moderate flood hazard areas, labeled here as ZoneX (Pink), are the areas between the limits of the base flood and the 0.2% annual chance (or 500 year) flood. The areas of minimal flood hazard are labeled here as Zone X (Yellow).

4 Before a Flood Threatens

- If you live in an area prone to flooding, stockpile emergency building materials such as plywood, lumber, nails, hammer, saw, plastic sheeting, shovels, plastic bags, & sandbags.
- Consider raising or otherwise protecting your water heater, air conditioning equipment, electrical panel, & other electrical appliances likely to be flooded.
- Plan & practice evacuation routes. Your plan should include the safest route to where you plan to ride out the flood/storm, public shelters, or evacuation routes out of the area.
- Have emergency supplies on hand: First aid kit & essential medications, canned foods, bottled water, cooking equipment, battery operated radio, flashlight, extra batteries, personal hygiene items, cash & credit cards.

5 Natural Beneficial Functions

State regulations protect those areas that help reduce the risks associated with flooding.

When portions of floodplains are preserved in (or restored to) their natural state, they provide many benefits to both humans & natural systems.

The benefits range from providing aesthetic pleasure to reducing the number & severity of floods, helping handle stormwater runoff, & minimizing nonpoint source water pollution.

6 Map Determinations & Elevation Certificates

The Coconut Creek Engineering Division provides Flood Insurance Rate Map (FIRM) determinations upon request. To determine if your structure is located in an SFHA AE or AH Zone, call 954-973-6786.

Elevation Certificates (EC) are required as part of the permitting process for all newly constructed or substantially improved buildings within the SFHA in Coconut Creek. Copies of EC's are available at the Utilities & Engineering building at 5295 Johnson Road, Coconut Creek.

To view or download a larger Flood Insurance Rate Map, visit **www.CoconutCreek.net/FIRM**