

## Appendix J

### **Water Resources (Wetlands, Floodplains, Surface Waters, and Groundwater Only)**





**NOTES TO USERS**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updates or additional flood hazard information.

To obtain more detailed information for areas where Base Flood Elevations (BFEs) and/or Floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Submittal Documents contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded earth-flood elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accuracy of flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or flood management.

Coastal Base Flood Elevations (CBFEs) shown on this map apply only to the extent of the North American Vertical Datum of 1988 (NAVD 88). Users of the FIRM should be aware that coastal flood elevations are also provided in the Summary of Submittal Documents table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Submittal Documents table should be used for construction and/or flood management purposes when they are higher than the elevations shown on the FIRM.

Boundaries of the Floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas within Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was Transverse Mercator State Plane Florida East FIPS Zone 0901 Feet. The horizontal datum was NAD83 (North American Datum of 1983). Elevation in datum, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may be provided in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1989 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services  
NGA, NWS13  
National Geodetic Survey  
SAC, 3, #020  
1315 East-West Highway  
Silver Spring, Maryland 20910-3282  
(301) 713-3282

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3282 or visit its website at <http://www.ngs.noaa.gov>.

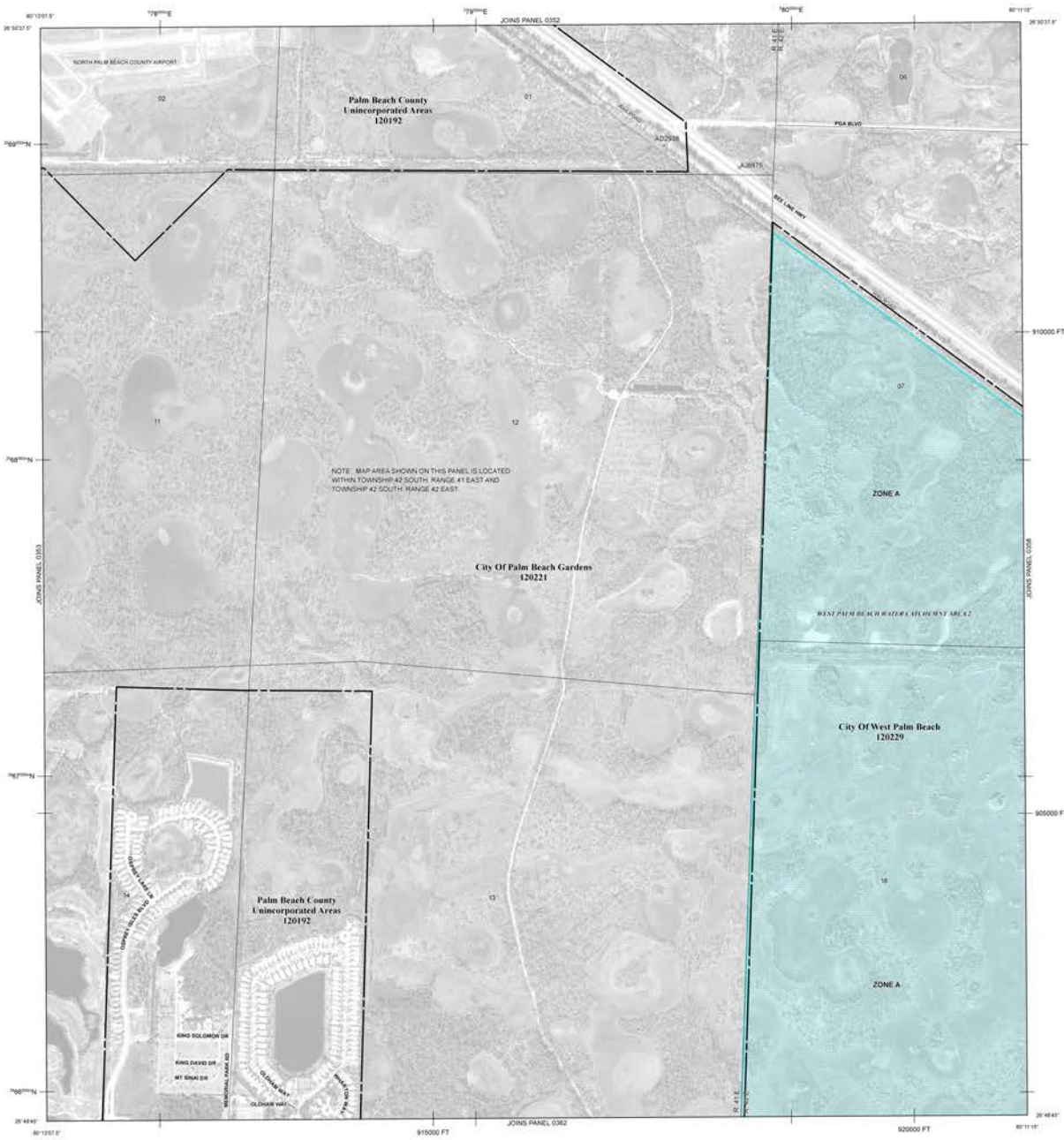
Base map information shown on this FIRM was provided in digital format by Palm Beach County. The original orthorectified base imagery was provided in color with a one-foot pixel resolution at a scale of 1" = 200' from photography flown November 2010 - January 2011.

This map reflects river channel and up-to-date stream channel configurations from those shown on the previous FIS for this jurisdiction. The floodways and floodways that were transferred from the previous FIS may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contain authoritative hydraulic data) may reflect stream channel dimensions that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels, community map repository addresses, and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information Exchange at 1-877-FEMA-MAP (1-877-369-2627) or visit the FEMA Map Service Center website at [map-info.fema.gov](http://map-info.fema.gov). Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website or by calling the FEMA Map Information Exchange.



**LEGEND**

**SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**  
The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AV, A1, and VE. The base flood elevation is the water surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevation determined.
- ZONE AE** Base Flood Elevation determined.
- ZONE AH** Flood depths of 1 to 3 feet (locally areas of ponding); Base Flood Elevation determined.
- ZONE AO** Flood depths of 1 to 3 feet (locally sheet flow on sloping terrain); average depths determined. For areas of sheet flow, structure also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently abandoned. Zone AE indicates that the former flood control system is being replaced to provide protection from the 1% annual chance or greater flood.
- ZONE AV** Areas to be protected from the 1% annual chance flood event by a flood risk reduction system under construction; no Base Flood Elevation determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevation determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); Base Flood Elevation determined.

**FLOODWAY AREAS IN ZONE AE**  
The boundaries in the channel of a stream and its adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

**OTHER FLOOD AREAS**  
**ZONE X** Areas of 0.2% annual chance flood (500-year flood) with average depths of one foot, 1 foot or less drainage areas less than 1 square mile, and areas protected by levees from 1% annual chance flood.

**OTHER AREAS**  
**ZONE D** Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.

**COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**

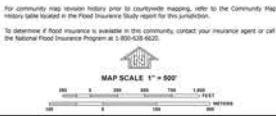
**OTHERWISE PROTECTED AREAS (OPAs)**  
CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary showing Special Flood Hazard Area Zones and boundary showing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood reduction
- Base Flood Elevation line and water elevation in feet
- Base Flood Elevation spot where uniform water elevation does not apply

811 (N1)  
\* Referenced to the North American Vertical Datum of 1988  
Cross section line  
91°10'30" 12°02'30"  
177°00'00" E  
6000000 FT  
EK05515  
MI 5

**MAP REPRODUCTION**  
Refer to Map Reproduction List on Map Index  
**EFFECTIVE DATE OF COORDINATE FLOOD INSURANCE RATE MAP**  
OCTOBER 5, 2017  
EFFECTIVE DATES OF REVISIONS TO THIS PANEL

For community map update history and to determine mappings, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.  
To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-655-6622.



**NATIONAL FLOOD INSURANCE PROGRAM**

**PANEL 034F**

**FIRM FLOOD INSURANCE RATE MAP PALM BEACH COUNTY, FLORIDA AND INCORPORATED AREAS**

**PANEL 354 OF 1200**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

COMMUNITY	SUBMER	PANEL	SUFFIX
PALM BEACH COUNTY	034F	034A - F	
WEST PALM BEACH, FLORIDA	10021	030A - F	
WEST PALM BEACH CITY OF	10020	030A - F	

MAP NUMBER 1209C0354F  
EFFECTIVE DATE OCTOBER 5, 2017  
Federal Emergency Management Agency