

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 updated or additional flood hazard information.

To obtain more detailed information in 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 Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study Report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and/or floodplain management purposes when they are higher than the elevations shown on this 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 not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Structures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator, (UTM) Zone 15. The **horizontal datum** was NAD83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result 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 1929 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
NOAA, NINGS12
National Geodetic Survey
SSAIC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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) 713-3242, or visit their website at <http://www.ngs.noaa.gov/>.

Base map information shown on this FIRM was provided in digital format by the Harris Galveston Area Council and was revised and enhanced by Harris County.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM 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 contains authoritative hydraulic data) may reflect stream channel distances 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.

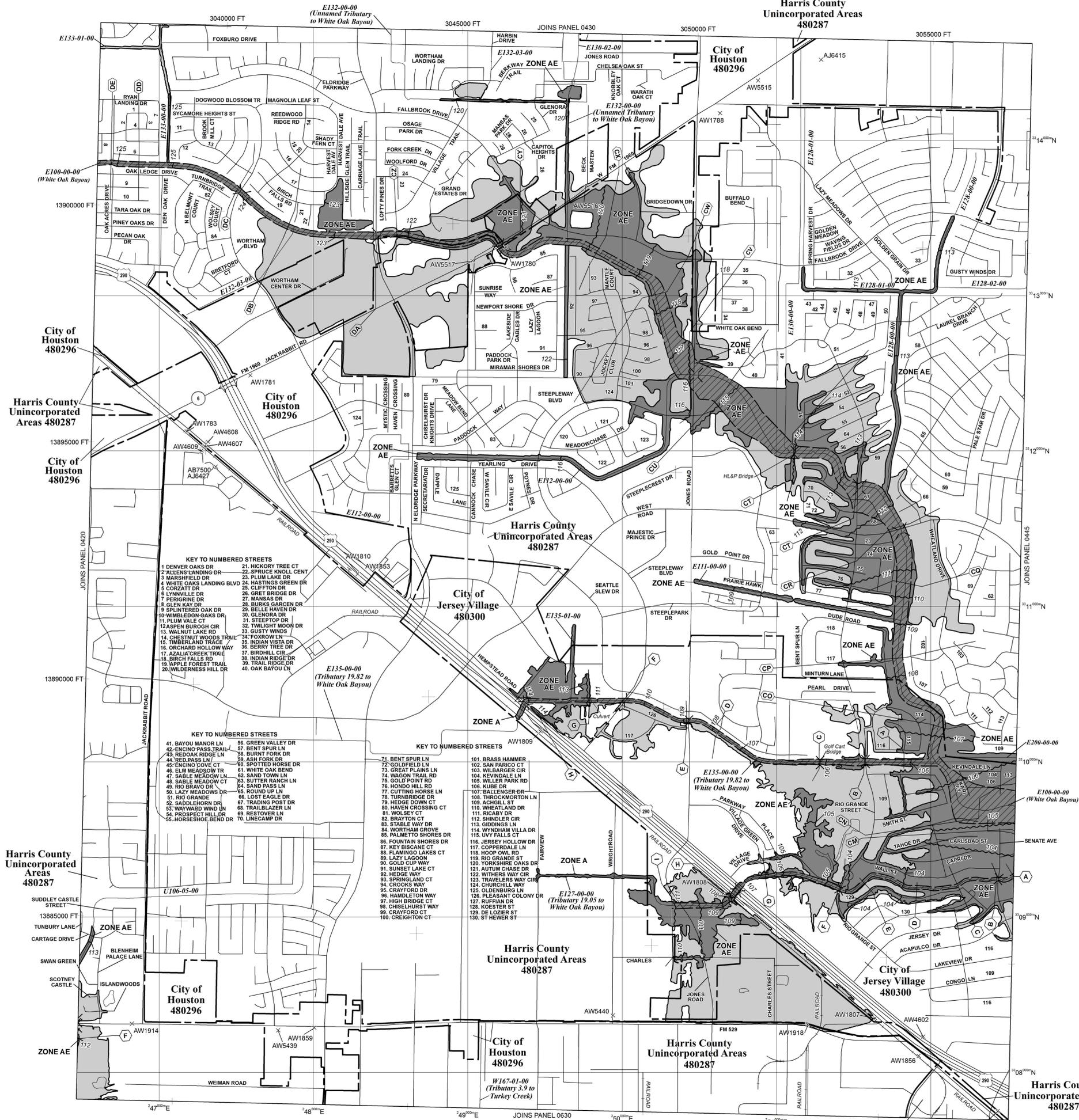
Contact the **FEMA Map Information eXchange** at 1-877-336-2627 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Information eXchange may also be reached by Fax at 1-800-358-9620 and their website at <http://www.msc.fema.gov/>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/national-flood-insurance-program>.

Vertical Datum Adjustment due to subsidence is the 2001 adjustment.

Benchmarks shown on this map were provided by either Harris County or the National Geodetic Survey. To obtain elevation, description, and location information for benchmarks provided by Harris County, please contact the Permits Office of the Public Infrastructure Department at (713) 956-300 or visit their website at <http://www.enr.hctx.net/permits>. For information regarding the benchmarks provided by the National Geodetic Survey, please see note above.

Some bridges and other structures shown on the detailed studied streams are not labeled. See corresponding flood profile for appropriate name.



KEY TO NUMBERED STREETS

1. DENVER OAKS DR	21. HICKORY TREE CT
2. ALLENS LANDING DR	22. SPRUCE KNOLL GENT
3. MARSHFIELD DR	23. PLUM LAKE DR
4. WHITE OAKS LANDING BLVD	24. HASTINGS GREEN DR
5. CORNETT DR	25. CLIFTON DR
6. LYNNVILLE DR	26. GRET BRIDGE DR
7. PERRINE DR	27. MANSAS DR
8. GLEN KAY DR	28. BURKS GARDEN DR
9. SPLINTERED OAK DR	29. BELLE HAVEN DR
10. WIMBLEDON OAK DR	30. CLEORA DR
11. PLUM VALE CT	31. STEEPTOP DR
12. ASPEN BURROGH CIR	32. TWILIGHT MOON DR
13. WALNUT LAKE RD	33. GUSTY WINDS
14. CHESTNUT WOODS TRAIL	34. FOXROW LN
15. THIBERT AND TRAGE	35. INDIAN VISTA DR
16. ORCHARD HOLLOW WAY	36. BERRY TREE DR
17. AZULIA CREEK TRAIL	37. BRIDGILL CIR
18. BIRCH FALLS RD	38. INDIAN RIDGE DR
19. APPLE FOREST TRAIL	39. TRAIL RIDGE DR
20. WILDERNESS HILL DR	40. OAK BAYOU LN

KEY TO NUMBERED STREETS

41. BAYOU MANOR LN	56. GREEN VALLEY DR
42. ENCINO PASS TRAIL	57. BENT SPUR LN
43. RED OAK RIDGE LN	58. BURNT FORK DR
44. RED PASS LN	59. ASH FORK DR
45. ENCLINO COVE CT	60. SPOTTED HORSE DR
46. ELM MEADOWS TR	61. WHITE OAK BEND
47. SABLE MEADOW LN	62. SAND TOWN LN
48. SABLE MEADOW CT	63. SUTTER RANCH LN
49. RIO BRAVO DR	64. SABLE PASS LN
50. LAZY MEADOWS DR	65. ROUND UP LN
51. RIO GRANDE	66. LOST EAGLE DR
52. SADDLEHORN DR	67. TRADING POST DR
53. WAYWARD WIND LN	68. TRAILBLAZER LN
54. PROSPECT HILL DR	69. RESTOVER LN
55. MORSESHOPE BEND DR	70. LINCAMP DR

KEY TO NUMBERED STREETS

71. BENT SPUR LN	101. BRASS HAMMER
72. GOLDFIELD LN	102. SAN PARCO CT
73. GREAT PLAINS LN	103. WILBARGER CIR
74. WOODN TRAIL RD	104. KEVINDALE LN
75. GOLD POINT RD	105. WILLER PARK RD
76. HONDO HILL RD	106. KUBE DR
77. CUTTING HORSE LN	107. BAILEY DR
78. TURNBRIDGE DR	108. THROCKMORTON LN
79. HEDGE DOWN CT	109. RICHARD ST
80. HAVEN CROSSING CT	110. WHEATLAND DR
81. WOLFEY CT	111. RICHARD ST
82. BRAYTON CT	112. SHINDLER CIR
83. STABLE WAY DR	113. GIDDINGS LN
84. WORTHAM GROVE	114. WYNDHAM VILLA DR
85. PALMETTO SHORES DR	115. UVY FALLS CT
86. FOUNTAIN SHORES DR	116. JERSEY HOLLOW DR
87. KEY BISCAINE CT	117. COPPERDALE LN
88. FLAMING LAKES CT	118. HOOP OWL RD
89. LAZY LAGOON	119. RIO GRANDE ST
90. GOLD CUP WAY	120. YORKSHIRE OAKS DR
91. SUNSET LAKE CT	121. AULUM CHASE DR
92. HEDGE WAY	122. WITHERS WAY CIR
93. SPRINGLAND CT	123. TRAVELERS WAY CIR
94. CROOKS WAY	124. CHURCHILL WAY
95. CRAWFORD DR	125. OLDENBURG LN
96. HAMILTON WAY	126. PLEASANT COLONY DR
97. HIGH BRIDGE CT	127. RUFFIAN DR
98. CHISELHURST WAY	128. KOESTER ST
99. CRAWFORD CT	129. DE LOZIER ST
100. CREIGHTON CT	130. ST HEWER ST

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual 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, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A**: No Base Flood Elevations determined.
- ZONE AE**: Base Flood Elevations determined.
- ZONE AH**: Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO**: Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR**: Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99**: Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V**: Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE**: Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any 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; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
- 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.

BOUNDARIES

- Floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

ELEVATIONS

- Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*
- * Referenced to the North American Vertical Datum of 1988
- Cross section line
- Transect line
- Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 1000-meter Universal Transverse Mercator grid values, zone 15N

SCALE

60000 FT
DX5510 x
M1.5
River Mile

MAP REPOSITORY

Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

September 28, 1990

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

SEPTEMBER 30, 1992
NOVEMBER 6, 1996
APRIL 20, 2000
JUNE 18, 2007
OCTOBER 16, 2013
JUNE 9, 2014

FOR REASON OF REVISION

SEE NOTICE TO FLOOD INSURANCE USERS IN THE FIS REPORT

For community map revision history prior to countywide mapping, 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 1-800-638-6620.

MAP SCALE 1" = 1000'

500 0 1000 2000 FEET
300 0 300 600 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0440N

FIRM

FLOOD INSURANCE RATE MAP

HARRIS COUNTY, TEXAS AND INCORPORATED AREAS

PANEL 440 OF 1150
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
HARRIS COUNTY	480287	0440	N
HOUSTON, CITY OF	480296	0440	N
JERSEY VILLAGE, CITY OF	480300	0440	N

PRELIMINARY

JULY 29, 2015

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER 48201C0440N

MAP REVISED

Federal Emergency Management Agency