

**NOTES TO USERS**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all the 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 (NAVD88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevation tables 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 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 Missouri State Plane East Zone 4401 (FIPSZONE 2401). The **horizontal datum** was NAD83. Differences in datum, spheroid, projection or state plane 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:

Spatial Reference System Division  
National Geodetic Survey, NOAA  
Silver Spring Metro Center  
1315 East-West Highway  
Silver Spring, Maryland 20910  
(301) 713-3191

To obtain current elevation, description, and/or location information about the **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

**Base Map** information shown on this FIRM was provided in digital format by St. Louis County GIS Service Center. This information was photogrammetrically compiled from aerial photography dated 2007.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodways 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 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 Service Center** at 1-800-358-9616 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 Service Center may also be reached by Fax at 1-800-358-9620 and its 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>.

The **profile base lines** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the **profile base line**, in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

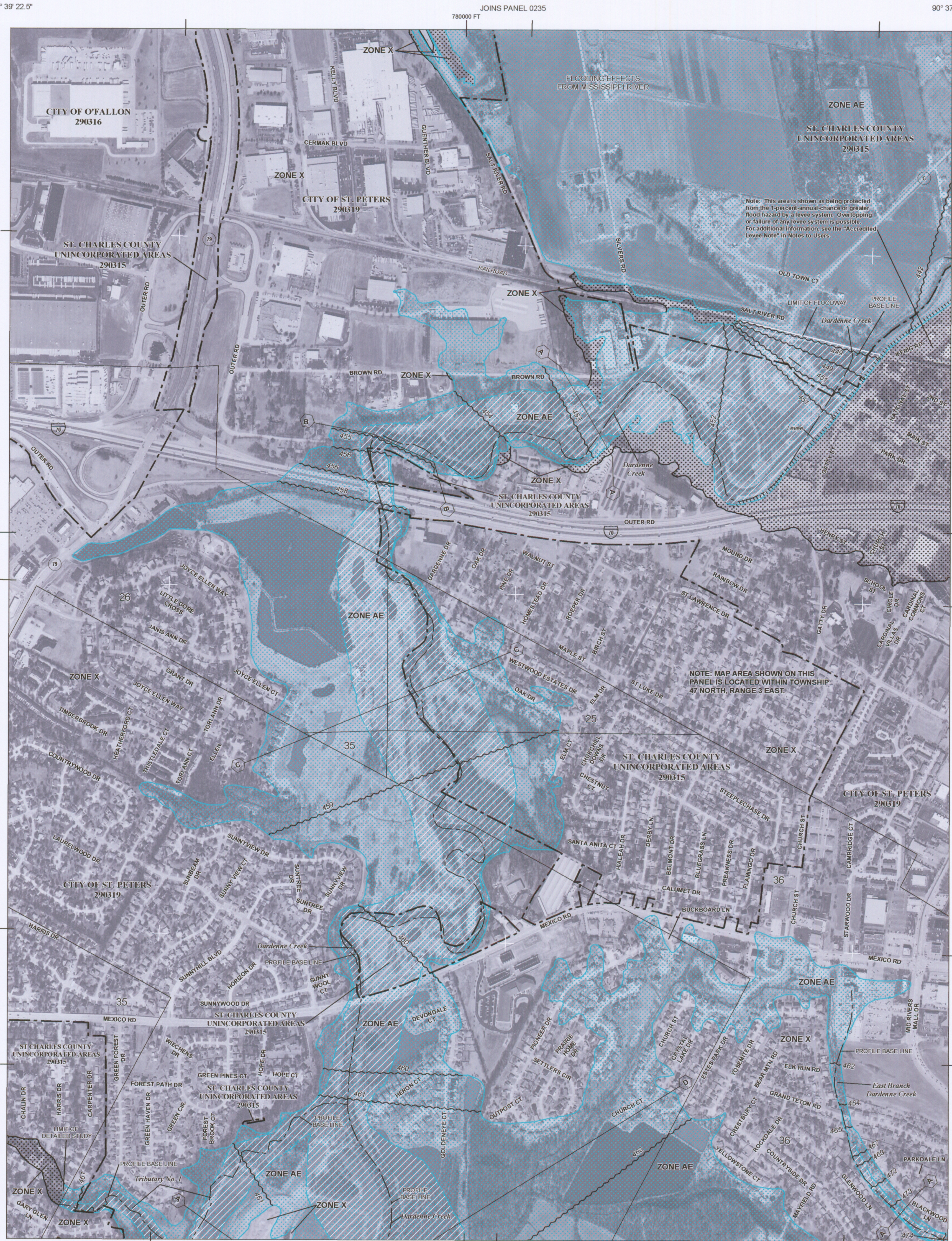
Accredited Levee Notes to Users: Check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection for areas on this panel. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at <http://www.fema.gov/business/info/index.shtm>.

**PANEL INDEX**



☐ PANEL NOT PRINTED

90° 39' 22.5" 38° 46' 52.5" 1080000 FT 1075000 FT 1070000 FT 1065000 FT 1060000 FT 1055000 FT 1050000 FT 1045000 FT 1040000 FT 1035000 FT 1030000 FT 1025000 FT 1020000 FT 1015000 FT 1010000 FT 1005000 FT 1000000 FT 995000 FT 990000 FT 985000 FT 980000 FT 975000 FT 970000 FT 965000 FT 960000 FT 955000 FT 950000 FT 945000 FT 940000 FT 935000 FT 930000 FT 925000 FT 920000 FT 915000 FT 910000 FT 905000 FT 900000 FT 895000 FT 890000 FT 885000 FT 880000 FT 875000 FT 870000 FT 865000 FT 860000 FT 855000 FT 850000 FT 845000 FT 840000 FT 835000 FT 830000 FT 825000 FT 820000 FT 815000 FT 810000 FT 805000 FT 800000 FT 795000 FT 790000 FT 785000 FT 780000 FT 775000 FT 770000 FT 765000 FT 760000 FT 755000 FT 750000 FT 745000 FT 740000 FT 735000 FT 730000 FT 725000 FT 720000 FT 715000 FT 710000 FT 705000 FT 700000 FT 695000 FT 690000 FT 685000 FT 680000 FT 675000 FT 670000 FT 665000 FT 660000 FT 655000 FT 650000 FT 645000 FT 640000 FT 635000 FT 630000 FT 625000 FT 620000 FT 615000 FT 610000 FT 605000 FT 600000 FT 595000 FT 590000 FT 585000 FT 580000 FT 575000 FT 570000 FT 565000 FT 560000 FT 555000 FT 550000 FT 545000 FT 540000 FT 535000 FT 530000 FT 525000 FT 520000 FT 515000 FT 510000 FT 505000 FT 500000 FT 495000 FT 490000 FT 485000 FT 480000 FT 475000 FT 470000 FT 465000 FT 460000 FT 455000 FT 450000 FT 445000 FT 440000 FT 435000 FT 430000 FT 425000 FT 420000 FT 415000 FT 410000 FT 405000 FT 400000 FT 395000 FT 390000 FT 385000 FT 380000 FT 375000 FT 370000 FT 365000 FT 360000 FT 355000 FT 350000 FT 345000 FT 340000 FT 335000 FT 330000 FT 325000 FT 320000 FT 315000 FT 310000 FT 305000 FT 300000 FT 295000 FT 290000 FT 285000 FT 280000 FT 275000 FT 270000 FT 265000 FT 260000 FT 255000 FT 250000 FT 245000 FT 240000 FT 235000 FT 230000 FT 225000 FT 220000 FT 215000 FT 210000 FT 205000 FT 200000 FT 195000 FT 190000 FT 185000 FT 180000 FT 175000 FT 170000 FT 165000 FT 160000 FT 155000 FT 150000 FT 145000 FT 140000 FT 135000 FT 130000 FT 125000 FT 120000 FT 115000 FT 110000 FT 105000 FT 100000 FT 95000 FT 90000 FT 85000 FT 80000 FT 75000 FT 70000 FT 65000 FT 60000 FT 55000 FT 50000 FT 45000 FT 40000 FT 35000 FT 30000 FT 25000 FT 20000 FT 15000 FT 10000 FT 5000 FT 0



90° 37' 30.0" 38° 48' 45.0" 98° 00' N 97° 00' N 96° 00' N 95° 00' N 94° 00' N 93° 00' N 92° 00' N 91° 00' N 90° 00' N 89° 00' N 88° 00' N 87° 00' N 86° 00' N 85° 00' N 84° 00' N 83° 00' N 82° 00' N 81° 00' N 80° 00' N 79° 00' N 78° 00' N 77° 00' N 76° 00' N 75° 00' N 74° 00' N 73° 00' N 72° 00' N 71° 00' N 70° 00' N 69° 00' N 68° 00' N 67° 00' N 66° 00' N 65° 00' N 64° 00' N 63° 00' N 62° 00' N 61° 00' N 60° 00' N 59° 00' N 58° 00' N 57° 00' N 56° 00' N 55° 00' N 54° 00' N 53° 00' N 52° 00' N 51° 00' N 50° 00' N 49° 00' N 48° 00' N 47° 00' N 46° 00' N 45° 00' N 44° 00' N 43° 00' N 42° 00' N 41° 00' N 40° 00' N 39° 00' N 38° 00' N 37° 00' N 36° 00' N 35° 00' N 34° 00' N 33° 00' N 32° 00' N 31° 00' N 30° 00' N 29° 00' N 28° 00' N 27° 00' N 26° 00' N 25° 00' N 24° 00' N 23° 00' N 22° 00' N 21° 00' N 20° 00' N 19° 00' N 18° 00' N 17° 00' N 16° 00' N 15° 00' N 14° 00' N 13° 00' N 12° 00' N 11° 00' N 10° 00' N 9° 00' N 8° 00' N 7° 00' N 6° 00' N 5° 00' N 4° 00' N 3° 00' N 2° 00' N 1° 00' N 0

**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 may 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** Area of special flood hazard formerly protected from the 1% annual chance flood event by a flood control system that was subsequently derelict. 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 for 1% annual chance flood event 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.

**OTHER AREAS**

**ZONE X** Areas determined to be outside of the 0.2% annual chance floodplain.

**ZONE D** 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 Dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.  
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  
Bridge  
Culvert  
Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere  
1000-meter Universal Transverse Mercator grid values, zone 15  
5000-foot grid ticks; Missouri State Plane East Coordinate System, 4401 zone (FIPSZONE 2401) Lambert Conformal Conic  
Bench mark (see explanation in Notes to Users section of this FIRM panel)  
M1.5  
Refer to listing of Map Repositories on Map Index  
EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP  
August 2, 1996  
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL  
[date] - to update corporate limits, to change Special Flood Hazard Areas, to change Base Flood Elevations, to update map format, to add roads and road names, to incorporate previously issued Letters of Map Revision.  
August 2, 1996 - to update corporate limits, to update map format, to add roads and road names, to incorporate previously issued Letters of Map Amendment, to incorporate previously issued Letters of Map Revision.  
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 1-800-638-9620.

MAP SCALE 1" = 500'  
250 0 500 1000 FEET  
150 0 150 300 METERS

**NFIP** **PANEL 0242G**

**FIRM**  
FLOOD INSURANCE RATE MAP  
ST. CHARLES COUNTY,  
MISSOURI  
AND INCORPORATED AREAS

PANEL 242 OF 540  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:  
COMMUNITY: 290316 0242 G  
OFALLON CITY OF 290315 0242 G  
ST. CHARLES COUNTY 290315 0242 G  
ST. PETERS, CITY OF 290319 0242 G

NUMBER PANEL SHEETS  
290316 0242 G  
290315 0242 G  
290319 0242 G

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 29183C0242G  
MAP REVISED PRELIMINARY  
MAY 15 2009  
Federal Emergency Management Agency