



**LEGEND**

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 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, and therefore may not exactly reflect the flood elevation data presented in the FIS. For construction and/or floodplain management purposes, users are encouraged to use the flood elevation data presented in the FIS in conjunction with the data shown on the FIRM.

Elevation Reference Marks (ERM) elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERM's shown on this map, please contact the Information Services Branch of the NGS at (301) 713-2542 or visit their website at [www.ngs.noaa.gov](http://www.ngs.noaa.gov). Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFE's shown on this map apply only landward of 0.0' National Geodetic Vertical Datum (NGVD). 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 community. 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.

- LEGEND**
- SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR 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 AD** Flood depths of 1 to 3 feet (usually areas of ponding); average depths determined; for areas of alluvial fan flooding, velocities also determined.
  - ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
  - ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
  - ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- OTHER FLOOD AREAS**
- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
- OTHER AREAS**
- ZONE X** Area determined to be outside 500-year floodplain.
  - ZONE D** Areas in which flood hazards are undetermined.
- UNDEVELOPED COASTAL BARRIERS**
- Identified 1983
  - Identified 1993
  - Other/Unprotected Areas
- \*Coastal barrier areas are normally located within or adjacent to special flood hazard areas.
- Floodplain Boundary  
 - - - Floodway Boundary  
 - - - Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Area of Individual Coastal Base Flood Elevations Within Special Flood Hazard Zones.
- 513 — Base Flood Elevation Line; Elevation in Feet  
 (E.L. 987)  
 (E.L. 987) — Cross Section Line  
 — Base Flood Elevation in Feet Where Uniform Within Zone  
 RM 7x — Elevation Reference Mark  
 +M1.5 — River Mile
- \*Referenced to the North American Vertical Datum of 1988.

**NOTES**

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, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFEs, and for any information on floodway determinations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, AH, A99, AD, AE, VE, and V.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

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 Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Tables where floodway width is shown at 120 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

For community map revision history prior to countywide mapping, see section 6.0 of the Flood Insurance Study Report.

For adjoining panels, see separately Printed Map Index.

**MAP REPOSITORY**  
 Refer to Repository Listing on Index Map.

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
 NOVEMBER 7, 2001

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

Refer to the FLOOD INSURANCE RATE MAP EFFECTIVE DATE shown on this map to determine when actuarial rates apply to structures in the zones where evaluations or depths have been established.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET  
 1000 0 1000

**ELEVATION REFERENCE MARKS**

REFERENCE ELEVATION MARK (FT. NAVD)	DESCRIPTION OF LOCATION
RM53	850.64 A chiseled square on top of northeast concrete wingwall of County Road 1055/ East 1650 Road bridge over tributary to Vinland Creek.
RM54	865.82 A bolt inside a chiseled square located on top of the southwest corner of County Road 1055/ North 700 Road bridge over the East Fork Vinland Creek.
RM55	961.98 Top of the southwest corner of the granite base of the headstone of the "Roe" family located at the southwest corner of Vinland Cemetery, on east side of East 1750 Road, south of Township Road 125.
RM56	909.67 A chiseled square on top center northeast concrete wall of East 1300 Road bridge over Pleasant Grove West, just east of U. S. Highway 59.
RM57	899.44 A chiseled square on top center of south concrete wall of East 1300 Road bridge over Pleasant Grove West, near south section corner between Sections 1 and 2, east of U. S. Highway 59.
RM58	896.78 A chiseled square on top southwest corner of concrete culvert, approximately 100 feet south of intersection of North 600 Road and East 1750 Road, about 0.5 mile east of County Road 1055/ East 1700 Road.

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 14 SOUTH, RANGE 19 EAST AND TOWNSHIP 14 SOUTH, RANGE 20 EAST.

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**DOUGLAS COUNTY KANSAS AND INCORPORATED AREAS**

CONTAINS:  
 COMMUNITY UNINCORPORATED AREAS  
 NUMBER 200087  
 PANEL 0290  
 SUFFIX C

**MAP NUMBER 20043C090 C**

**EFFECTIVE DATE: NOVEMBER 7, 2001**

Federal Emergency Management Agency