Guidance for Flood Risk Analysis and Mapping
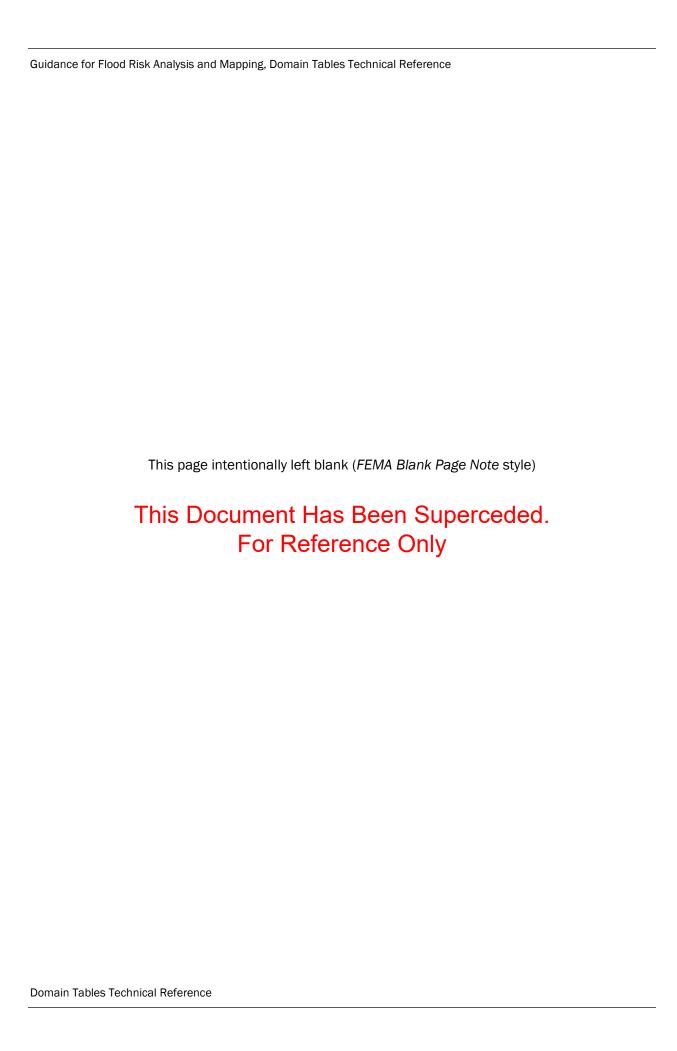
Domain Tables Technical Reference

FEMA Spatial Databases

November 2022

FEMA

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Requirements for the Federal Emergency Management Agency (FEMA) Risk Mapping, Assessment, and Planning (Risk MAP) Program are specified separately by statute, regulation, or FEMA policy (primarily the Standards for Flood Risk Analysis and Mapping). This document provides guidance to support the requirements and recommends approaches for effective and efficient implementation. Alternate approaches that comply with all requirements are acceptable.

For more information, please visit the FEMA Guidelines and Standards for Flood Risk Analysis and Mapping webpage (www.fema.gov/guidelines-and-standards-flood-risk-analysis-and-mapping). Copies of the Standards for Flood Risk Analysis and Mapping policy, related guidance, technical references, and other information about the guidelines and standards development process are all available here. You can also search directly by document title at https://www.fema.gov/library.

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Implementation Instructions

This version of the Technical Reference must be used on projects as described below. Generally, the changes in this version may also be implemented on any project, in coordination with the FEMA Project and Contracting Officer's Representative.

Revision Date	Implementation
November 2022	Implemented for all new projects initiated in FY22 and later.

Table of Revisions

The following summary of changes details revisions to this document subsequent to its most recent version in November 2021.

Affected Section or Subsection	Date	Description
D_Hydro_Mdl	November 2022	Remove the erroneous 1 from the text associated with the 2006 coded domain.
D_Ln_Typ	November 2022	Added flowage easement boundary line type.
D_Zone_Subtype	November 2022	Corrected text associated with coded value 1000.

Table of Contents

1.   Document Overview

The Domain Tables Technical Reference is intended as a central repository for all allowable domain values referenced in spatial databases in the Guidelines and Standards for Flood Risk Analysis and Mapping. All domain tables and their allowable values are listed in alphabetical order in this document.

Mapping Partners must use this document as a reference to identify valid values for appropriate domain tables in databases.

Note: In the "Applies to Database Schema" column:

- "FIRM" indicates that a value is only acceptable in the Flood Insurance Rate Map (FIRM) Database schema.

- "FRD" indicates that a value is only acceptable in the Flood Risk Database (FRD) schema.

- "FIRM, FRD" indicates that it is acceptable for both the FIRM and FRD database schemas.

- "NFHL" indicates this domain value is only used in the National Flood Hazard Layer (NFHL) database schema.

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2.   Domain Tables

2.1.   D_AOMI_Class

This domain table is referenced in the FRD database schema.

Coded Value	Area of Mitigation Interest Description	Applies to Database Schema
RIV	Riverine	FRD
COAS	Coastal	FRD
OTH	Other	FRD
NP	NP	FRD

2.2.   D_AOMI_Typ

This domain table is referenced in the FRD database schema.

Coded Value	Area of Mitigation Interest Type Description	Applies to Database Schema
0200	Non-Accredited Levees	FRD

Coded Value	Area of Mitigation Interest Type Description	Applies to Database Schema
0300	Coastal Structures	FRD
0400	Streamflow Constrictions	FRD
0500	Key Emergency Routes Overtopped	FRD
0600	Past Claims Hot Spot	FRD
0800	Significant Land Use Change	FRD
1000	Non-Levee Embankments	FRD
1100	At Risk Essential Facilities	FRD
9000	Other	FRD
NP	NP	FRD

2.3.   D_Area_Units

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Area Unit	Applies to Database Schema
1000	Acres	FIRM
1010	Hectares	FIRM
1020	Square Feet	FIRM
1030	Square Meters	FIRM
1040	Square Yards	FIRM
1050	Square Miles	FIRM
1060	Square Kilometers	FIRM
NP	NP	FIRM

2.4.   D_Basemap_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Base Map	Applies to Database Schema
1000	Orthophoto	FIRM, Discovery
2000	Vector	FIRM, Discovery

Coded Value	Type of Base Map	Applies to Database Schema
NP	NP	FIRM, Discovery

2.5. D_BeachSet

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Beach Setting	Applies to Database Schema
1050	Cobble, Gravel, Shingle, or Mixed Grain Sized Beach and Berms	FIRM
1020	Erodible Coastal Bluffs	FIRM
1030	Non-Erodible Coastal Cliffs and Bluffs	FIRM
1000	Sandy Beach Backed by Low Sand Berm or High Sand Dune Formation	FIRM
1010	Sandy Beach Backed by Shore Protection Structures	FIRM
1040	Tidal Flats and Wetlands	FIRM
NP	NP	FIRM

2.6. D_Breach_Pt_Typ

This domain table is referenced in the FRD database schema.

Coded Value	Type of Breach	Applies to Database Schema
H	Community-supplied, historical	FRD
O	Community-supplied, overtopping	FRD
P	Community-supplied, potential engineered breach location	FRD
A	Armored overtopping	FRD
NP	NP	FRD

2.7.   D_Carto_Trans_Code

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	Cartographic Code Used for Symbolization Description	Applies to Database Schema
0100	Interstates	FIRM, FRD
0200	US Highways	FIRM, FRD
0300	State Highways	FIRM, FRD
0400	County Roads	FIRM, FRD
0500	Local Roads	FIRM, FRD
0700	Railroads	FIRM, FRD
0800	Airports	FIRM, FRD
0900	User-Defined	FRD
9000	Other	FRD
-8888	-8888	FRD
NP	NP	FIRM

2.8.   D_Cert_Status

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Certification Status Description	Applies to Database Schema
1000	Meets Existing FEMA Accreditation Policy	FIRM
1010	Certified Prior to Existing FEMA Policy	FIRM
1020	Certified by Another Federal Agency	FIRM
2000	Not Certified: Failure of Vertical Structure	FIRM
2010	Not Certified: Failure of Revetment	FIRM
2030	Not Certified: Failure of Levee	FIRM
3000	Not Applicable	FIRM
NP	NP	FIRM

2.9.   D_Change

This domain table is referenced in the FRD database schema.

Coded Value	Changes Since Last FIRM Subtypes Description	Applies to Database Schema
I	Increase	FRD
D	Decrease	FRD
N	Negligible	FRD
Z	None (Zero)	FRD
U	Unknown	FRD

2.10.   D_Const_Typ

This domain table is referenced in the FRD database schema.

Coded Value	Construction Type Description	Applies to Database Schema
ARCH	Arch	FRD
ARGV	Arch-Gravity	FRD
ASCN	Asphalt Concrete	FRD
BARR	Barrage	FRD
CLAY	Clay	FRD
CONC	Concrete of Masonry	FRD
ERFL	Earth-Fill	FRD
FMIX	Fill Mix (clay/silt/sand)	FRD
GRAV	Gravity	FRD
RKFL	Rock-Fill	FRD
OTH	Other	FRD
NP	NP	FRD

2.11. D_Cst_Struct

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Coastal Structure Classification	Applies to Database Schema
1000	Beach Stabilization Structure	FIRM
2000	Coastal Armoring Structure	FIRM
3000	Miscellaneous Structure	FIRM
NP	NP	FIRM

2.12. D_Cst_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Coastline	Applies to Database Schema
1000	Open Coast	FIRM
2000	Sheltered Waters	FIRM
3000	Combined Open Coast and Sheltered Waters	FIRM
NP	NP	FIRM

2.13. D_Discharge_Units

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Discharge Unit	Applies to Database Schema
CFS	CFS	FIRM
CMS	CMS	FIRM
NP	NP	FIRM

CFS = Cubic feet per second

CMS = Cubic meters per second

2.14. D_Erosion

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Erosion Description	Applies to Database Schema
1010	Not Applied	FIRM

Coded Value	Type of Erosion Description	Applies to Database Schema
1020	Dune Removal	FIRM
1030	Dune Retreat	FIRM
1040	K-D	FIRM
1050	MK-A	FIRM
1060	SBEACH	FIRM
9000	Other	FIRM
NP	NP	FIRM

2.15. D_Esmt_Typ

This domain table is referenced in the FRD database schema.

Coded Value	Easement Type	Applies to Database Schema
CONS	CONSERVATION	FRD
DRAN	DRAINAGE	FRD
FLOW	FLOWAGE	FRD
NP	NP	FRD

2.16. D_Event

This domain table is referenced in the FIRM and FRD database schemas.

Note: That the dashes will stay in the Domain Tables Technical Reference, however the FIRM DB template will not have dashes, and neither will DVT accept them/require them.

Coded Value	FIRM Event Type Description	FRD Event Type Description	Applies to Database Schema
AvgAnn	-	Average Annual	FRD
50pct	50-Percent-Chance	50-Percent-Chance (2-yr)	FIRM, FRD
20pct	20-Percent-Chance	20-Percent-Chance (5-yr)	FRD
10pct	10-Percent-Chance	10-Percent-Chance (10-yr)	FIRM, FRD
04pct	4-Percent-Chance	4-Percent-Chance (25-yr)	FIRM, FRD

Coded Value	FIRM Event Type Description	FRD Event Type Description	Applies to Database Schema
02pct	2-Percent-Chance	2-Percent-Chance (50-yr)	FIRM, FRD
01plus	1-Percent-Plus-Chance	1-Percent-Plus-Chance	FIRM, FRD
01minus	1-Percent-Minus-Chance	1-Percent-Minus-Chance	FIRM, FRD
01pct	1-Percent-Chance	1-Percent-Chance (100-yr)	FIRM, FRD
0_2pct	0.2-Percent-Chance	0.2-Percent-Chance (500-yr)	FIRM, FRD
0_5pct	-	0.5-Percent-Chance (200-yr)	FRD
01pctfut	1-Percent-Chance Future Conditions	-	FIRM
PMF	-	Probable Maximum Flood	FRD
PMF14	-	1/4 of Probable Maximum Flood	FRD
PMF13	-	1/3 of Probable Maximum Flood	FRD
PMF12	-	1/2 of Probable Maximum Flood	FRD
PMF34	-	3/4 of Probable Maximum Flood	FRD
PMP	-	Probable Maximum Precipitation	FRD
PMP14	-	1/4 of Probable Maximum Precipitation	FRD
PMP13	-	1/3 of Probable Maximum Precipitation	FRD
PMP12	-	1/2 of Probable Maximum Precipitation	FRD
PMP34	-	3/4 of Probable Maximum Precipitation	FRD
SUN	-	Sunny Day	FRD
FOR	-	Flood of Record	FRD
OTH	-	Other	FRD

2.17. D_Flooding_Source

This domain table is referenced in the FRD database schema.

Coded Value	Flooding Source Type	Applies to Database Schema
R	Riverine	FRD
C	Coastal	FRD
D	Dam	FRD
O	Other	FRD
NP	NP	FRD

2.18. D_Flood_Typ

This domain table is referenced in the FIRM and FRD database schema.

Coded Value	Type of Flooding	Applies to Database Schema
1000	Riverine	FIRM, FRD, Discovery
1010	Coastal	FIRM, FRD, Discovery
1020	Alluvial	FIRM, FRD, Discovery
1030	Lacustrine	FIRM, FRD, Discovery
1040	Ponding	FIRM, FRD, Discovery

2.19. D_Font

This domain table is referenced in the FIRM database schema.

Coded Value	Font Description	Applies to Database Schema
1000	Arial	FIRM
1010	Arial Narrow	FIRM
2000	Franklin Gothic Book	FIRM
2010	Franklin Gothic Medium	FIRM
2020	Franklin Gothic Medium Cond	FIRM
3000	Times New Roman	FIRM
4000	Verdana	FIRM

Coded Value	Font Description	Applies to Database Schema
NP	NP	FIRM

2.20. D_Font_Style

This domain table is referenced in the FIRM database schema.

Coded Value	Font Style	Applies to Database Schema
1000	Regular	FIRM
2000	Bold	FIRM
3000	Italic	FIRM
4000	Bold Italic	FIRM
NP	NP	FIRM

2.21. D_Gage_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Gage	Applies to Database Schema
1000	Flow	FIRM
1010	Flow / Stage	FIRM
1020	Stage	FIRM
1100	Fixed Interval	FIRM
1110	Instantaneous	FIRM
1200	Wave Height	FIRM
1210	Wind Direction	FIRM
1220	Wind Speed	FIRM
1230	Wind Speed and Direction	FIRM
1240	Tide	FIRM
1120	Tipping	FIRM
1250	Wave Height and Direction	FIRM
NP	NP	FIRM

2.22. D_HAZ_Class

This domain table is referenced in the FRD database schema.

Coded Value	Hazard Class Description	Applies to Database Schema
HIGH	High	FRD
SIG	Significant	FRD
LOW	Low	FRD
NP	NP	FRD

2.23. D_Horiz_Datum

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	Type of Horizontal Datum	Applies to Database Schema
NAD27	North American Datum 1927	FIRM, FRD
NAD83	North American Datum 1983	FIRM, FRD
83HARN	North American Datum 1983 HARN	FIRM, FRD
WGS84	World Geodetic System 1984	FRD, NFHL
NSRS07	NAD83 (NSRS2007)	FIRM, FRD
NP	NP	FIRM, FRD

2.24. D_Hydra_Mdl

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	Hydraulic Model Description	Applies to Database Schema
0110	CHAN for Windows v. 2.03 (1997)	FIRM, FRD
0120	Culvert Master v. 2.0 (September 2000) and up	FIRM, FRD
1001	DHM 21 and 34 (Aug. 1987)	FIRM, FRD
0140	FAN	FIRM, FRD
1002	FEQ 8.92 (1999) and FEQ 9.98 (2005)	FIRM, FRD
1003	FEQUTL 4.68 (1999) and FEQUTL 5.46 (2005)	FIRM, FRD
1004	FESWMS 2DH 1.1 and up (Jun. 1995)	FIRM, FRD

Coded Value	Hydraulic Model Description	Applies to Database Schema
1005	FLDWAV (Nov. 1998)	FIRM, FRD
1006	FLO-2D v. 2007.06 and 2009.06	FIRM, FRD
1007	FLO-2D V.2003.6, 2004.10 and 2006.1	FIRM, FRD
1008	Gage Analysis	FIRM, FRD
1009	HCSWMM 4.31B (August 2000)	FIRM, FRD
1010	HEC-2 4.6.2 (May 1991)	FIRM, FRD
1012	HEC-RAS 3.1.1 and up	FIRM, FRD
1014	HEC-RAS 5.0 and up	FIRM, FRD
1013	HY8 4.1 and up (Nov. 1992)	FIRM, FRD
1000	ICPR 2.20 (Oct. 2000), 3.02 (Nov. 2002), and 3.10 (April 2008) with PercPack Option	FIRM, FRD
1015	MIKE 11 HD (2002 D, 2004)	FIRM, FRD
1030	MIKE 11 HD v.2009 SP4	FIRM, FRD
0260	MIKE Flood HD (2002 D and 2004)	FIRM, FRD
1028	MIKE URBAN Collection Systems (MOUSE) Release 2009, date June 2010	FIRM, FRD
0262	MIKE Flood HD v.2009 SP4	FIRM, FRD
0270	NETWORK (June 2002)	FIRM, FRD
0280	PondPack v. 8 (May 2002) and up	FIRM, FRD
1017	QUICK-2 1.0 and up (Jan. 1995)	FIRM, FRD
0300	S2DMM (Feb 2008)	FIRM, FRD
0401	SMS ADH v11.1 and up	FIRM, FRD
0402	SMS ADCIRC v11.1 and up	FIRM, FRD
0403	SMS BOUSS-2D v11.1 and up	FIRM, FRD
0404	SMS CGWAVE v11.1 and up	FIRM, FRD
0405	SMS CMS Flow v11.1 and up	FIRM, FRD
0406	SMS CMS Wave v11.1 and up	FIRM, FRD
0407	SMS FESWMS v11.1 and up	FIRM, FRD

Coded Value	Hydraulic Model Description	Applies to Database Schema
0408	SMS HYDRO_AS-2D	FIRM, FRD
0409	SMS GENCADE v11.1 and up	FIRM, FRD
0410	SMS PTM v11.1 and up	FIRM, FRD
0411	SMS RiverFlow2D v11.2 and up	FIRM, FRD
0412	SMS RMA2 v11.1 and up	FIRM, FRD
0413	SMS RMA4 v11.1 and up	FIRM, FRD
0414	SMS SRH-2D v11.2 and up	FIRM, FRD
0415	SMS STWAVE v11.1 and up	FIRM, FRD
0416	SMS TUFLOW v11.1 and up	FIRM, FRD
0417	SMS TUFLOW AD v11.1 and up	FIRM, FRD
0418	SMS TUFLOW Multiple Domains v11.1 and up	FIRM, FRD
0419	SMS TUFLOW FV v11.1 and up	FIRM, FRD
0420	SMS WAM v11.1 and up	FIRM, FRD
0310	StormCAD v.4 (June 2002) and up	FIRM, FRD
1021	SWMM 4.30 (MAY 1994)	FIRM, FRD
1022	SWMM 4.31 (JANUARY 1997)	FIRM, FRD
0322	SWMM 5 Version 5.0.005 (May 2005) and up	FIRM, FRD
1023	TABS RMA2 v. 4.3 and up (Oct. 1996)	FIRM, FRD
1024	TABS RMA4 v. 4.5 and up (July 2000)	FIRM, FRD
1029	TUFLOW Release Version 2010-10 (October 2010)	FIRM, FRD
1025	UNET 4.0 (April 2001)	FIRM, FRD
1026	WSPGW 12.96 (OCTOBER 2000)	FIRM, FRD
1027	WSPRO (Jun. 1988 and up)	FIRM, FRD
0370	Xpstorm 10.0 (May 2006)	FIRM, FRD
0362	XPSWMM 2D/XPStorm 2D v. 12.00 (May 2010)	FIRM, FRD
0360	XP-SWMM 8.52 and up	FIRM, FRD
9000	Other	FIRM, FRD

Note: The Other domain can be used if the model used is not found in the domain table, this can be revised in the FIS to show the exact model description.

2.25. D_Hydro_Mdl

This domain table is referenced in the FIRM and FRD database schema.

Coded Value	Hydrologic Model Description	Applies to Database Schema
2000	AHYMO 97 (Aug. 1997)	FIRM, FRD
2001	CUHPF/PC (May 1996 and May 2002)	FIRM, FRD
2006	HEC-1 4.0.1 and up (May 1991)	FIRM, FRD
2005	HEC-FFA 3.1 (February 1995)	FIRM, FRD
2008	HEC-HMS 3.0 and up (Dec 2005)	FIRM, FRD
2040	HEC-SSP 1.1 (April 2009) and up	FIRM, FRD
2018	HSPF 10.10 (Dec 1993) and up	FIRM, FRD
2042	MIKE 11 (2009 SP4)	FIRM, FRD
2022	MIKE 11 RR (2009 SP4)	FIRM, FRD
2023	MIKE 11 UHM (2002 D and 2004)	FIRM, FRD
2024	PEAKFQ 2.4 (April 1998) and up	FIRM, FRD
0190	PondPack v.8 (May 2002) and up	FIRM, FRD
0200	PRMS Version 2.1 (Jan 1996)	FIRM, FRD
2029	Regression Equations	FIRM, FRD
2031	SWMM (RUNOFF) 4.30 (May1994)	FIRM, FRD
2032	SWMM (RUNOFF) 4.31 (Jan 1997)	FIRM, FRD
0222	SWMM 5 Version 5.0.005 (May 2005) and up	FIRM, FRD

Coded Value	Hydrologic Model Description	Applies to Database Schema
2033	TR-20 Win (Feb 1992)	FIRM, FRD
0231	TR-20 Win 1.00 (Jan 2005)	FIRM, FRD
0240	TR-55 (JUNE 1986)	FIRM, FRD
2041	VCRat 2.6 (Dec. 2008)	FIRM, FRD
2034	WinTR-55 1.0.08 (Jan 2005)	FIRM, FRD
0260	Xpstorm 10.0 (May 2006)	FIRM, FRD
0250	XP-SWMM 8.52 and up	FIRM, FRD
9000	OTHER	FIRM, FRD

Note: The OTHER domain can be used if the model used is not found in the domain table, this can be revised in the FIS to show the exact model description.

This Document Has Been Superceded.

2.26. D_Jurisdiction_Typ For Reference Only

This domain table is referenced in the FIRM and FRD database schema.

Coded Value	Jurisdiction Type	Applies to Database Schema
0100	All Jurisdictions	FIRM, FRD
0200	And Incorporated Areas	FIRM, FRD
0300	Independent City	FIRM, FRD
0900	Unincorporated Areas	FIRM, FRD
9000	Other	FRD

2.27. D_Label_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Feature to Which the Labels and Leaders Apply	Applies to Database Schema
1000	Ortho-Transportation	FIRM
1001	Ortho-Water	FIRM
1002	S_Trnsport_Ln	FIRM

Coded Value	Type of Feature to Which the Labels and Leaders Apply	Applies to Database Schema
1003	S_Wtr_Ar	FIRM
1004	S_Wtr_Ln	FIRM
1005	Notes and Map Collar	FIRM
1006	S_BFE	FIRM
1008	S_Cst_Tsct_Ln	FIRM
1009	S_FIRM_Pan	FIRM
1010	S_Fld_Haz_Ar	FIRM
1011	S_Fld_Haz_Ln	FIRM
1012	S_Gage	FIRM
1013	S_Gen_Struct	FIRM
1014	S_Levee	FIRM
1015	S_LiMWA	FIRM
1016	S_PFD_Ln	FIRM
1017	S_PLSS_Ar	FIRM
1018	S_Pol_Ar	FIRM
1019	S_Profil_Basln	FIRM
1020	S_Riv_Mrk	FIRM
1021	S_Tsct_Basln	FIRM
1022	S_XS	FIRM
NP	NP	FIRM

2.28. D_Length_Units

This domain table is referenced in the FIRM and FRD database schema.

Coded Value	Type of Length Unit	Applies to Database Schema
CM	Centimeters	FIRM, FRD
FT	Feet	FIRM, FRD
IN	Inches	FIRM
KM	Kilometers	FIRM
M	Meters	FIRM
MI	Miles	FIRM
MM	Millimeters	FIRM
USFT	U.S. Survey Feet	FIRM, FRD
NP	NP	FIRM, FRD

2.29.   D_Levee_Accreditation

This domain table is referenced in the FRD database schema.

Coded Value	Type of Accreditation	Applies to Database Schema
A	Accredited	FRD
P	Provisionally Accredited	FRD
N	Non-Accredited	FRD
NP	NP	FRD

2.30.   D_Levee_Analysis_Type

This domain table is referenced in the FIRM and FRD database schema.

Coded Value	Type of Levee Analysis	Applies to Database Schema
NV	Natural Valley	FIRM, FRD
SBI	Structural-Based Inundation	FIRM, FRD
OVR	Overtopping	FIRM, FRD
FD	Freeboard Deficient	FIRM, FRD
SR	Sound Reach	FIRM, FRD
BBT	BFE Below Toe	FIRM, FRD
NHS	Not Hydraulically Significant	FIRM, FRD
OTH	Other	FIRM, FRD
NP	NP	FIRM, FRD

2.31.   D_Levee_Event

This domain table is referenced in the FRD database schema.

Coded Value	Type of Event	Applies to Database Schema
0_2	0.2-Percent Annual Chance Event	FRD
01	1-Percent Annual Chance Event	FRD
01P	1-Percent Plus Annual Chance Event	FRD
02	2-Percent Annual Chance Event	FRD
04	4-Percent Annual Chance Event	FRD
10	10-Percent Annual Chance Event	FRD
HIS	Historical Flood Event	FRD

Coded Value	Type of Event	Applies to Database Schema
LS	Levee Shadow	FRD
OVT	Overtop	FRD
TOE	Levee Toe (wet side of levee)	FRD
LC	Levee Crest	FRD
LT	Landward Toe	FRD
NP	NP	FRD

2.32. D_Levee_Pt_Typ

This domain table is referenced in the FRD database schema.

Coded Value	Type of Levee Point	Applies to Database Schema
BOIL	Sand Boil Point	FRD
BORE	Borehole Point	FRD
CROSS	Levee Crossing Point	FRD
ENCR	Encroachment Point	FRD
FAIL	Levee Failure Point	FRD
FIGHT	Flood Fight Point	FRD
PIEZ	Piezometer Point	FRD
PUMP	Pump Station Point	FRD
RWP	Levee Relief Well Point	FRD
STA	Levee Station Point	FRD
CLOS	Closure Structure	FRD
GRAV	Gravity Drain	FRD
LEVST	Levee Station Point	FRD
TOE	Toe Drain	FRD
REHAB	Rehabilitation Line	FRD
NP	NP	FRD

2.33.   D_Levee_Scenario

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Levee Scenario	Applies to Database Schema
R	With Right Levee	FIRM
L	With Left Levee	FIRM
B	With Both Levees	FIRM

2.34.   D_Levee_Status

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Levee Status	Applies to Database Schema
A	Accredited	FIRM
N	Non-Accredited	FIRM
P	Provisionally Accredited	FIRM
AR	AR	FIRM
A99	A99	FIRM
NP	NP	FIRM

2.35.   D_Levee_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Levee Structure	Applies to Database Schema
CLC	Coastal Levee Centerline	FIRM
LC	Levee Centerline	FIRM
FW	Floodwall	FIRM
CS	Closure Structure	FIRM
D	Dike	FIRM
NP	NP	FIRM

2.36. D_Ln_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Line	Applies to Database Schema
2034	SFHA / Flood Zone Boundary	FIRM
1010	Limit Lines	FIRM
1020	Other Boundary	FIRM
2050	Flowage Easement Boundary	FIRM

SFHA / FLOOD ZONE BOUNDARY category includes any line that forms the boundary of a floodplain zone, floodway, Limit of Floodway not at terminus of SFHA, or Limit of Detailed Study not at terminus of SFHA. This category does not include Limit of Detailed Study / Limit of Study lines at terminus of SFHA and other boundaries.

LIMIT LINES category includes lines that form the Limit of Detailed Study at terminus and Limit of Study, but not the edge of a floodplain or other boundaries.

OTHER BOUNDARY category includes any line types that do not form the edge of a SFHA, Floodway, Limit of Detailed Study, Limit of Study, and Limit of Floodway. These other boundaries do not get shown on the map. Examples include end of spatial extent, apparent limit, and source boundary.

FLOWAGE EASEMENT category includes lines that form the edge of a flowage easement polygon.

2.37. D_Loc_Accuracy

This domain table is referenced in the FIRM database schema.

Coded Value	Locational Accuracy	Applies to Database Schema
H	High	FIRM
M	Medium	FIRM
L	Low	FIRM

HIGH locational accuracy includes any station start point that can be placed with a high degree of spatial accurately and usually applies to all new models.

MEDIUM locational accuracy includes any station start point that can obtained from old work maps with profile baselines or other source data which can be georeferenced to the new FIRM base map with a reasonable level of accuracy. This category usually applies to old models with good quality back-up data available at the FEMA Engineering Library.

LOW locational accuracy includes any station start point that cannot be placed accurately and for which only a text description exists, such as a note on the Floodway Data Table (FDT) or profile in the

effective FIS. This category applies to old models with no or poor quality back-up data at the FEMA Engineering Library.

2.38.   D_LOMC_Status

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Status Values for LOMCs	Applies to Database Schema
1000	Superseded	FIRM
1010	Revalidated	FIRM
1020	Incorporated	FIRM
1030	Redetermined	FIRM
1040	Effective	FIRM
NP	NP	FIRM

2.39.   D_Method

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Elevation Source Method	Applies to Database Schema
1000	Combo of Topo and Survey	FIRM
1010	Cut from Topo	FIRM
1020	Digitized from FIRM	FIRM
1030	Field Survey	FIRM

2.40.   D_MTFCC

This domain table is referenced in the FIRM database schema.

Coded Value	Type of US Census TIGER-Line Transportation Feature	Applies to Database Schema
R1011	Railroad Feature (Main, Spur, or Yard)	FIRM, Discovery
R1051	Carline, Streetcar Track, Monorail, Other Mass Transit Rail	FIRM, Discovery
R1052	Cog Rail Line, Incline Rail Line, Tram	FIRM, Discovery
S1100	Primary Road	FIRM, Discovery

Coded Value	Type of US Census TIGER-Line Transportation Feature	Applies to Database Schema
S1200	Secondary Road	FIRM, Discovery
S1400	Local Neighborhood Road, Rural Road, City Street	FIRM, Discovery
S1500	Vehicular Trail (4WD)	FIRM, Discovery
S1630	Ramp	FIRM, Discovery
S1640	Service Drive Usually Along a Limited Access Highway	FIRM, Discovery
S1710	Walkway/Pedestrian Trail	FIRM, Discovery
S1720	Stairway	FIRM, Discovery
S1730	Alley	FIRM, Discovery
S1740	Private Road for Service Vehicles (Logging, Oil Fields, Ranches, Etc.)	FIRM, Discovery
S1750	Internal U.S. Census Bureau Use	FIRM, Discovery
S1780	Parking Lot Road	FIRM, Discovery
S1820	Bike Path or Trail	FIRM, Discovery
S1830	Bridle Path	FIRM, Discovery
S2000	Road Median	FIRM, Discovery
NP	NP	FIRM, Discovery

2.41. D_Mtg_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Meeting	Applies to Database Schema
1000	Final CCO	FIRM
1010	Flood Risk Review	FIRM
1020	Initial CCO	FIRM
1030	Intermediate CCO	FIRM
1040	Project Discovery	FIRM
1050	Resilience	FIRM

Coded Value	Type of Meeting	Applies to Database Schema
1060	Scoping	FIRM
9000	Other	FIRM
NP	NP	FIRM

2.42.   D_Node_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Node	Applies to Database Schema
1000	Diversion	FIRM
1010	Junction	FIRM
1020	Reservoir	FIRM
1030	Structure	FIRM
1040	Sub-Basin Outlet	FIRM

2.43.   D_Obscured

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Topographic Confidence Area	Applies to Database Schema
1	Low Confidence Area	FIRM
2	Acceptable Confidence Area	FIRM
NP	NP	FIRM

2.44.   D_Occupancy_Typ

This domain table is referenced in the FRD database schema.

Coded Value	Hazard Type Description	Applies to Database Schema
AGR1	Agriculture	FRD
COM1	Retail Trade	FRD
COM2	Wholesale Trade	FRD
COM3	Personal and Repair Services	FRD

Coded Value	Hazard Type Description	Applies to Database Schema
COM4	Business/Professional/Technical Services	FRD
COM5	Banks	FRD
COM6	Hospital	FRD
COM7	Medical Office/Clinic	FRD
COM8	Entertainment & Recreation	FRD
COM9	Theaters	FRD
COM10	Parking	FRD
EDU1	Schools/Libraries	FRD
EDU2	Colleges/Universities	FRD
GOV1	General Services	FRD
GOV2	Emergency Services	FRD
IND1	Heavy Industrial	FRD
IND2	Light Industrial	FRD
IND3	Food/Drugs/Chemicals	FRD
IND4	Metals/Minerals Processing	FRD
IND5	High Technology	FRD
IND6	Construction	FRD
REL1	Church/Membership Organization	FRD
RES1	Single Family Dwelling	FRD
RES2	Mobile Home	FRD
RES3A	Multi Family Dwelling - Duplex	FRD
RES3B	Multi Family Dwelling – 3-4 Units	FRD
RES3C	Multi Family Dwelling – 5-9 Units	FRD
RES3D	Multi Family Dwelling – 10-19 Units	FRD
RES3E	Multi Family Dwelling – 20-49 Units	FRD
RES3F	Multi Family Dwelling – 50+ Units	FRD
RES4	Temporary Lodging	FRD

Coded Value	Hazard Type Description	Applies to Database Schema
RES5	Institutional Dormitory	FRD
RES6	Nursing Home	FRD
NP	NP - Not Populated	FRD

2.45.   D_Panel_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Panel	Applies to Database Schema
1000	Countywide, Panel Printed	FIRM, Discovery
1010	Countywide, Not Printed	FIRM, Discovery
1020	Community Based, Panel Printed	FIRM, Discovery
1030	Community Based, Not Printed	FIRM, Discovery
1040	Unmapped Community	FIRM, Discovery
1050	Statewide, Panel Printed	FIRM, Discovery
1060	Statewide, Not Printed	FIRM, Discovery

2.46.   D_PFD_Size

This domain table is referenced in the FRD database schema.

Coded Value	Dune Size Description	Applies to Database Schema
SML	SMALL	FRD
LRG	LARGE	FRD
UNK	UNKNOWN	FRD
NP	NP	FRD

2.47.   D_Prof_Basln_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Profile Baseline	Applies to Database Schema
1000	Profile Baseline	FIRM

Coded Value	Type of Profile Baseline	Applies to Database Schema
2000	Profile Baseline and Stream Centerline	FIRM
3000	Hydraulic Link	FIRM
UNK	Unknown	FIRM

2.48.   D_Prof_Lbl_Adjust

This domain table is a placeholder in the FIRM database schema for future RASPlot integration.

Coded Value	Adjustment of Text on Profile	Applies to Database Schema
L	Left	FIRM
R	Right	FIRM
C	Center	FIRM
T	Top	FIRM
M	Middle	FIRM
B	Bottom	FIRM

LEFT, RIGHT and CENTER are used for vertical profile text.
TOP, MIDDLE and BOTTOM are used for horizontal profile text.

2.49.   D_Prof_Lbl_Orient

This domain table is a placeholder in the FIRM database schema for future RASPlot integration.

Coded Value	Orientation of Text on Profile	Applies to Database Schema
H	Horizontal	FIRM
V	Vertical	FIRM

2.50.   D_Proj_Unit

This domain table is referenced in the FIRM, FRD and NFHL database schemas.

Coded Value	Type of Units for Projection System	Applies to Database Schema
USFT	US Survey Feet	FIRM, FRD
INTLFT	International Feet	FIRM, FRD

Coded Value	Type of Units for Projection System	Applies to Database Schema
METER	Meters	FIRM, FRD
DECDEG	Decimal Degrees	NFHL, FRD
NP	NP	FIRM, FRD

2.51. D_Projection

This domain table is referenced in the FIRM, FRD and NFHL database schemas.

Coded Value	Type of Projection	Applies to Database Schema
0101	STATE PLANE TRANSVERSE MERCATOR ALABAMA EAST ZONE	FIRM, FRD
0101H	HARN STATE PLANE TRANSVERSE MERCATOR, ALABAMA EAST ZONE	FIRM, FRD
0102	STATE PLANE TRANSVERSE MERCATOR, ALABAMA WEST ZONE	FIRM, FRD
0102H	HARN STATE PLANE TRANSVERSE MERCATOR, ALABAMA WEST ZONE	FIRM, FRD
0201	STATE PLANE TRANSVERSE MERCATOR, ARIZONA EAST ZONE	FIRM, FRD
0201H	HARN STATE PLANE TRANSVERSE MERCATOR, ARIZONA EAST ZONE	FIRM, FRD
0202	STATE PLANE TRANSVERSE MERCATOR, ARIZONA CENTRAL ZONE	FIRM, FRD
0202H	HARN STATE PLANE TRANSVERSE MERCATOR, ARIZONA CENTRAL ZONE	FIRM, FRD
0203	STATE PLANE TRANSVERSE MERCATOR, ARIZONA WEST ZONE	FIRM, FRD
0203H	HARN STATE PLANE TRANSVERSE MERCATOR, ARIZONA WEST ZONE	FIRM, FRD
0301	STATE PLANE LAMBERT CONFORMAL CONIC, ARKANSAS NORTH ZONE	FIRM, FRD
0302	STATE PLANE LAMBERT CONFORMAL CONIC, ARKANSAS SOUTH ZONE	FIRM, FRD
0401	STATE PLANE LAMBERT CONFORMAL CONIC, CALIFORNIA I ZONE	FIRM, FRD
0401H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, CALIFORNIA I ZONE	FIRM, FRD
0402	STATE PLANE LAMBERT CONFORMAL CONIC, CALIFORNIA II ZONE	FIRM, FRD
0402H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, CALIFORNIA II ZONE	FIRM, FRD

Coded Value	Type of Projection	Applies to Database Schema
0403	STATE PLANE LAMBERT CONFORMAL CONIC, CALIFORNIA III ZONE	FIRM, FRD
0403H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, CALIFORNIA III ZONE	FIRM, FRD
0404	STATE PLANE LAMBERT CONFORMAL CONIC, CALIFORNIA IV ZONE	FIRM, FRD
0404H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, CALIFORNIA IV ZONE	FIRM, FRD
0405	STATE PLANE LAMBERT CONFORMAL CONIC, CALIFORNIA V ZONE	FIRM, FRD
0405H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, CALIFORNIA V ZONE	FIRM, FRD
0406	STATE PLANE LAMBERT CONFORMAL CONIC, CALIFORNIA VI ZONE	FIRM, FRD
0406H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, CALIFORNIA VI ZONE	FIRM, FRD
0501	STATE PLANE LAMBERT CONFORMAL CONIC, COLORADO CENTRAL ZONE	FIRM, FRD
0501H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, COLORADO CENTRAL ZONE	FIRM, FRD
0502	STATE PLANE LAMBERT CONFORMAL CONIC, COLORADO NORTH ZONE	FIRM, FRD
0502H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, COLORADO NORTH ZONE	FIRM, FRD
0503	STATE PLANE LAMBERT CONFORMAL CONIC, COLORADO SOUTH ZONE	FIRM, FRD
0503H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, COLORADO SOUTH ZONE	FIRM, FRD
0600	STATE PLANE LAMBERT CONFORMAL CONIC, CONNECTICUT ZONE	FIRM, FRD
0600H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, CONNECTICUT ZONE	FIRM, FRD
0700	STATE PLANE TRANSVERSE MERCATOR, DELAWARE ZONE	FIRM, FRD
0700H	HARN STATE PLANE TRANSVERSE MERCATOR, DELAWARE ZONE	FIRM, FRD
0901	STATE PLANE TRANSVERSE MERCATOR, FLORIDA EAST ZONE	FIRM, FRD
0901H	HARN STATE PLANE TRANSVERSE MERCATOR, FLORIDA EAST ZONE	FIRM, FRD

Coded Value	Type of Projection	Applies to Database Schema
0902	STATE PLANE TRANSVERSE MERCATOR, FLORIDA WEST ZONE	FIRM, FRD
0902H	HARN STATE PLANE TRANSVERSE MERCATOR, FLORIDA WEST ZONE	FIRM, FRD
0903	STATE PLANE LAMBERT CONFORMAL CONIC, FLORIDA NORTH ZONE	FIRM, FRD
0903H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, FLORIDA NORTH ZONE	FIRM, FRD
1001	STATE PLANE TRANSVERSE MERCATOR, GEORGIA EAST ZONE	FIRM, FRD
1001H	HARN STATE PLANE TRANSVERSE MERCATOR, GEORGIA EAST ZONE	FIRM, FRD
1002	STATE PLANE TRANSVERSE MERCATOR, GEORGIA WEST ZONE	FIRM, FRD
1002H	HARN STATE PLANE TRANSVERSE MERCATOR, GEORGIA WEST ZONE	FIRM, FRD
1101	STATE PLANE TRANSVERSE MERCATOR, IDAHO EAST ZONE	FIRM, FRD
1101H	HARN STATE PLANE TRANSVERSE MERCATOR, IDAHO EAST ZONE	FIRM, FRD
1102	STATE PLANE TRANSVERSE MERCATOR, IDAHO CENTRAL ZONE	FIRM, FRD
1102H	HARN STATE PLANE TRANSVERSE MERCATOR, IDAHO CENTRAL ZONE	FIRM, FRD
1103	STATE PLANE TRANSVERSE MERCATOR, IDAHO WEST ZONE	FIRM, FRD
1103H	HARN STATE PLANE TRANSVERSE MERCATOR, IDAHO WEST ZONE	FIRM, FRD
1201	STATE PLANE TRANSVERSE MERCATOR, ILLINOIS EAST ZONE	FIRM, FRD
1201H	HARN STATE PLANE TRANSVERSE MERCATOR, ILLINOIS EAST ZONE	FIRM, FRD
1202	STATE PLANE TRANSVERSE MERCATOR, ILLINOIS WEST ZONE	FIRM, FRD
1202H	HARN STATE PLANE TRANSVERSE MERCATOR, ILLINOIS WEST ZONE	FIRM, FRD
1301	STATE PLANE TRANSVERSE MERCATOR, INDIANA EAST ZONE	FIRM, FRD
1301H	HARN STATE PLANE TRANSVERSE MERCATOR, INDIANA EAST ZONE	FIRM, FRD
1302	STATE PLANE TRANSVERSE MERCATOR, INDIANA WEST ZONE	FIRM, FRD
1302H	HARN STATE PLANE TRANSVERSE MERCATOR, INDIANA WEST ZONE	FIRM, FRD
1401	STATE PLANE LAMBERT CONFORMAL CONIC, IOWA NORTH ZONE	FIRM, FRD
1402	STATE PLANE LAMBERT CONFORMAL CONIC, IOWA SOUTH ZONE	FIRM, FRD

Coded Value	Type of Projection	Applies to Database Schema
1501	STATE PLANE LAMBERT CONFORMAL CONIC, KANSAS NORTH ZONE	FIRM, FRD
1501H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, KANSAS NORTH ZONE	FIRM, FRD
1502	STATE PLANE LAMBERT CONFORMAL CONIC, KANSAS SOUTH ZONE	FIRM, FRD
1502H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, KANSAS SOUTH ZONE	FIRM, FRD
1600	STATE PLANE LAMBERT CONFORMAL CONIC, KENTUCKY ZONE	FIRM, FRD
1601	STATE PLANE LAMBERT CONFORMAL CONIC, KENTUCKY NORTH ZONE	FIRM, FRD
1601H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, KENTUCKY NORTH ZONE	FIRM, FRD
1602	STATE PLANE LAMBERT CONFORMAL CONIC, KENTUCKY SOUTH ZONE	FIRM, FRD
1602H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, KENTUCKY SOUTH ZONE	FIRM, FRD
1701	STATE PLANE LAMBERT CONFORMAL CONIC, LOUISIANA NORTH ZONE	FIRM, FRD
1701H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, LOUISIANA NORTH ZONE	FIRM, FRD
1702	STATE PLANE LAMBERT CONFORMAL CONIC, LOUISIANA SOUTH ZONE	FIRM, FRD
1702H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, LOUISIANA SOUTH ZONE	FIRM, FRD
1801	STATE PLANE TRANSVERSE MERCATOR, MAINE EAST ZONE	FIRM, FRD
1801H	HARN STATE PLANE TRANSVERSE MERCATOR, MAINE EAST ZONE	FIRM, FRD
1802	STATE PLANE TRANSVERSE MERCATOR, MAINE WEST ZONE	FIRM, FRD
1802H	HARN STATE PLANE TRANSVERSE MERCATOR, MAINE WEST ZONE	FIRM, FRD
1900	STATE PLANE LAMBERT CONFORMAL CONIC, MARYLAND ZONE	FIRM, FRD
1900H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, MARYLAND ZONE	FIRM, FRD

Coded Value	Type of Projection	Applies to Database Schema
2001	STATE PLANE LAMBERT CONFORMAL CONIC, MASSACHUSETTS ISLAND ZONE	FIRM, FRD
2001H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, MASSACHUSETTS ISLAND ZONE	FIRM, FRD
2002	STATE PLANE LAMBERT CONFORMAL CONIC, MASSACHUSETTS MLAND ZONE	FIRM, FRD
2002H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, MASSACHUSETTS MLAND ZONE	FIRM, FRD
2111	STATE PLANE LAMBERT CONFORMAL CONIC, MICHIGAN NORTH ZONE	FIRM, FRD
2111H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, MICHIGAN NORTH ZONE	FIRM, FRD
2112	STATE PLANE LAMBERT CONFORMAL CONIC, MICHIGAN CENTRAL ZONE	FIRM, FRD
2112H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, MICHIGAN CENTRAL ZONE	FIRM, FRD
2113	STATE PLANE LAMBERT CONFORMAL CONIC, MICHIGAN SOUTH ZONE	FIRM, FRD
2113H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, MICHIGAN SOUTH ZONE	FIRM, FRD
2201	STATE PLANE LAMBERT CONFORMAL CONIC, MINNESOTA NORTH ZONE	FIRM, FRD
2202	STATE PLANE LAMBERT CONFORMAL CONIC, MINNESOTA CENTRAL ZONE	FIRM, FRD
2203	STATE PLANE LAMBERT CONFORMAL CONIC, MINNESOTA SOUTH ZONE	FIRM, FRD
2301	STATE PLANE TRANSVERSE MERCATOR, MISSISSIPPI EAST ZONE	FIRM, FRD
2301H	HARN STATE PLANE TRANSVERSE MERCATOR, MISSISSIPPI EAST ZONE	FIRM, FRD
2302	STATE PLANE TRANSVERSE MERCATOR, MISSISSIPPI WEST ZONE	FIRM, FRD
2302H	HARN STATE PLANE TRANSVERSE MERCATOR, MISSISSIPPI WEST ZONE	FIRM, FRD
2401	STATE PLANE TRANSVERSE MERCATOR, MISSOURI EAST ZONE	FIRM, FRD

Coded Value	Type of Projection	Applies to Database Schema
2402	STATE PLANE TRANSVERSE MERCATOR, MISSOURI CENTRAL ZONE	FIRM, FRD
2403	STATE PLANE TRANSVERSE MERCATOR, MISSOURI WEST ZONE	FIRM, FRD
2500	STATE PLANE LAMBERT CONFORMAL CONIC, MONTANA ZONE	FIRM, FRD
2500H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, MONTANA ZONE	FIRM, FRD
2600	STATE PLANE LAMBERT CONFORMAL CONIC, NEBRASKA ZONE	FIRM, FRD
2600H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, NEBRASKA ZONE	FIRM, FRD
2701	STATE PLANE TRANSVERSE MERCATOR, NEVADA EAST ZONE	FIRM, FRD
2701H	HARN STATE PLANE TRANSVERSE MERCATOR, NEVADA EAST ZONE	FIRM, FRD
2702	STATE PLANE TRANSVERSE MERCATOR, NEVADA CENTRAL ZONE	FIRM, FRD
2702H	HARN STATE PLANE TRANSVERSE MERCATOR, NEVADA CENTRAL ZONE	FIRM, FRD
2703	STATE PLANE TRANSVERSE MERCATOR, NEVADA WEST ZONE	FIRM, FRD
2703H	HARN STATE PLANE TRANSVERSE MERCATOR, NEVADA WEST ZONE	FIRM, FRD
2800	STATE PLANE LAMBERT CONFORMAL CONIC, NEW HAMPSHIRE ZONE	FIRM, FRD
2800H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, NEW HAMPSHIRE ZONE	FIRM, FRD
2900	STATE PLANE TRANSVERSE MERCATOR, NEW JERSEY ZONE	FIRM, FRD
2900H	HARN STATE PLANE TRANSVERSE MERCATOR, NEW JERSEY ZONE	FIRM, FRD
3001	STATE PLANE TRANSVERSE MERCATOR, NEW MEXICO EAST ZONE	FIRM, FRD
3001H	HARN STATE PLANE TRANSVERSE MERCATOR, NEW MEXICO EAST ZONE	FIRM, FRD
3002	STATE PLANE TRANSVERSE MERCATOR, NEW MEXICO CENTRAL ZONE	FIRM, FRD
3002H	HARN STATE PLANE TRANSVERSE MERCATOR, NEW MEXICO CENTRAL ZONE	FIRM, FRD
3003	STATE PLANE TRANSVERSE MERCATOR, NEW MEXICO WEST ZONE	FIRM, FRD
3003H	HARN STATE PLANE TRANSVERSE MERCATOR, NEW MEXICO WEST ZONE	FIRM, FRD

Coded Value	Type of Projection	Applies to Database Schema
3101	STATE PLANE TRANSVERSE MERCATOR, NEW YORK EAST ZONE	FIRM, FRD
3101H	HARN STATE PLANE TRANSVERSE MERCATOR, NEW YORK EAST ZONE	FIRM, FRD
3102	STATE PLANE TRANSVERSE MERCATOR, NEW YORK CENTRAL ZONE	FIRM, FRD
3102H	HARN STATE PLANE TRANSVERSE MERCATOR, NEW YORK CENTRAL ZONE	FIRM, FRD
3103	STATE PLANE TRANSVERSE MERCATOR, NEW YORK WEST ZONE	FIRM, FRD
3103H	HARN STATE PLANE TRANSVERSE MERCATOR, NEW YORK WEST ZONE	FIRM, FRD
3104	STATE PLANE LAMBERT CONFORMAL CONIC, NEW YORK LONG ISLAND ZONE	FIRM, FRD
3104H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, NEW YORK LONG ISLAND ZONE	FIRM, FRD
3200	STATE PLANE LAMBERT CONFORMAL CONIC, NORTH CAROLINA ZONE	FIRM, FRD
3301	STATE PLANE LAMBERT CONFORMAL CONIC, NORTH DAKOTA NORTH ZONE	FIRM, FRD
3301H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, NORTH DAKOTA NORTH ZONE	FIRM, FRD
3302	STATE PLANE LAMBERT CONFORMAL CONIC, NORTH DAKOTA SOUTH ZONE	FIRM, FRD
3302H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, NORTH DAKOTA SOUTH ZONE	FIRM, FRD
3401	STATE PLANE LAMBERT CONFORMAL CONIC, OHIO NORTH ZONE	FIRM, FRD
3401H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, OHIO NORTH ZONE	FIRM, FRD
3402	STATE PLANE LAMBERT CONFORMAL CONIC, OHIO SOUTH ZONE	FIRM, FRD
3402H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, OHIO SOUTH ZONE	FIRM, FRD
3501	STATE PLANE LAMBERT CONFORMAL CONIC, OKLAHOMA NORTH ZONE	FIRM, FRD

Coded Value	Type of Projection	Applies to Database Schema
3501H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, OKLAHOMA NORTH ZONE	FIRM, FRD
3502	STATE PLANE LAMBERT CONFORMAL CONIC, OKLAHOMA SOUTH ZONE	FIRM, FRD
3502H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, OKLAHOMA SOUTH ZONE	FIRM, FRD
3601	STATE PLANE LAMBERT CONFORMAL CONIC, OREGON NORTH ZONE	FIRM, FRD
3601H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, OREGON NORTH ZONE	FIRM, FRD
3602	STATE PLANE LAMBERT CONFORMAL CONIC, OREGON SOUTH ZONE	FIRM, FRD
3602H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, OREGON SOUTH ZONE	FIRM, FRD
3701	STATE PLANE LAMBERT CONFORMAL CONIC, PENNSYLVANIA NORTH ZONE	FIRM, FRD
3702	STATE PLANE LAMBERT CONFORMAL CONIC, PENNSYLVANIA SOUTH ZONE	FIRM, FRD
3800	STATE PLANE TRANSVERSE MERCATOR, RHODE ISLAND ZONE	FIRM, FRD
3800H	HARN STATE PLANE TRANSVERSE MERCATOR, RHODE ISLAND ZONE	FIRM, FRD
3900	STATE PLANE LAMBERT CONFORMAL CONIC, SOUTH CAROLINA ZONE	FIRM, FRD
4001	STATE PLANE LAMBERT CONFORMAL CONIC, SOUTH DAKOTA NORTH ZONE	FIRM, FRD
4001H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, SOUTH DAKOTA NORTH ZONE	FIRM, FRD
4002	STATE PLANE LAMBERT CONFORMAL CONIC, SOUTH DAKOTA SOUTH ZONE	FIRM, FRD
4002H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, SOUTH DAKOTA SOUTH ZONE	FIRM, FRD
4100	STATE PLANE LAMBERT CONFORMAL CONIC, TENNESSEE ZONE	FIRM, FRD
4100H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, TENNESSEE ZONE	FIRM, FRD
4201	STATE PLANE LAMBERT CONFORMAL CONIC, TEXAS NORTH ZONE	FIRM, FRD

Coded Value	Type of Projection	Applies to Database Schema
4201H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, TEXAS NORTH ZONE	FIRM, FRD
4202	STATE PLANE LAMBERT CONFORMAL CONIC, TEXAS NORTH CENTRAL ZONE	FIRM, FRD
4202H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, TEXAS NORTH CENTRAL ZONE	FIRM, FRD
4203	STATE PLANE LAMBERT CONFORMAL CONIC, TEXAS CENTRAL ZONE	FIRM, FRD
4203H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, TEXAS CENTRAL ZONE	FIRM, FRD
4204	STATE PLANE LAMBERT CONFORMAL CONIC, TEXAS SOUTH CENTRAL ZONE	FIRM, FRD
4204H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, TEXAS SOUTH CENTRAL ZONE	FIRM, FRD
4205	STATE PLANE LAMBERT CONFORMAL CONIC, TEXAS SOUTH ZONE	FIRM, FRD
4205H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, TEXAS SOUTH ZONE	FIRM, FRD
4301	STATE PLANE LAMBERT CONFORMAL CONIC, UTAH NORTH ZONE	FIRM, FRD
4301H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, UTAH NORTH ZONE	FIRM, FRD
4302	STATE PLANE LAMBERT CONFORMAL CONIC, UTAH CENTRAL ZONE	FIRM, FRD
4302H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, UTAH CENTRAL ZONE	FIRM, FRD
4303	STATE PLANE LAMBERT CONFORMAL CONIC, UTAH SOUTH ZONE	FIRM, FRD
4303H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, UTAH SOUTH ZONE	FIRM, FRD
4400	STATE PLANE TRANSVERSE MERCATOR, VERMONT ZONE	FIRM, FRD
4400H	HARN STATE PLANE TRANSVERSE MERCATOR, VERMONT ZONE	FIRM, FRD
4501	STATE PLANE LAMBERT CONFORMAL CONIC, VIRGINIA NORTH ZONE	FIRM, FRD
4501H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, VIRGINIA NORTH ZONE	FIRM, FRD
4502	STATE PLANE LAMBERT CONFORMAL CONIC, VIRGINIA SOUTH ZONE	FIRM, FRD

Coded Value	Type of Projection	Applies to Database Schema
4502H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, VIRGINIA SOUTH ZONE	FIRM, FRD
4601	STATE PLANE LAMBERT CONFORMAL CONIC, WASHINGTON NORTH ZONE	FIRM, FRD
4601H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, WASHINGTON NORTH ZONE	FIRM, FRD
4602	STATE PLANE LAMBERT CONFORMAL CONIC, WASHINGTON SOUTH ZONE	FIRM, FRD
4602H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, WASHINGTON SOUTH ZONE	FIRM, FRD
4701	STATE PLANE LAMBERT CONFORMAL CONIC, WEST VIRGINIA NORTH ZONE	FIRM, FRD
4701H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, WEST VIRGINIA NORTH ZONE	FIRM, FRD
4702	STATE PLANE LAMBERT CONFORMAL CONIC, WEST VIRGINIA SOUTH ZONE	FIRM, FRD
4702H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, WEST VIRGINIA SOUTH ZONE	FIRM, FRD
4801	STATE PLANE LAMBERT CONFORMAL CONIC, WISCONSIN NORTH ZONE	FIRM, FRD
4801H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, WISCONSIN NORTH ZONE	FIRM, FRD
4802	STATE PLANE LAMBERT CONFORMAL CONIC, WISCONSIN CENTRAL ZONE	FIRM, FRD
4802H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, WISCONSIN CENTRAL ZONE	FIRM, FRD
4803	STATE PLANE LAMBERT CONFORMAL CONIC, WISCONSIN SOUTH ZONE	FIRM, FRD
4803H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, WISCONSIN SOUTH ZONE	FIRM, FRD
4901	STATE PLANE TRANSVERSE MERCATOR, WYOMING EAST ZONE	FIRM, FRD
4901H	HARN STATE PLANE TRANSVERSE MERCATOR, WYOMING EAST ZONE	FIRM, FRD

Coded Value	Type of Projection	Applies to Database Schema
4902	STATE PLANE TRANSVERSE MERCATOR, WYOMING EAST CENTRAL ZONE	FIRM, FRD
4902H	HARN STATE PLANE TRANSVERSE MERCATOR, WYOMING EAST CENTRAL ZONE	FIRM, FRD
4903	STATE PLANE TRANSVERSE MERCATOR, WYOMING WEST CENTRAL ZONE	FIRM, FRD
4903H	HARN STATE PLANE TRANSVERSE MERCATOR, WYOMING WEST CENTRAL ZONE	FIRM, FRD
4904	STATE PLANE TRANSVERSE MERCATOR, WYOMING WEST ZONE	FIRM, FRD
4904H	HARN STATE PLANE TRANSVERSE MERCATOR, WYOMING WEST ZONE	FIRM, FRD
5001	STATE PLANE HOTINE OBLIQUE MERCATOR, ALASKA 1 ZONE	FIRM, FRD
5002	STATE PLANE TRANSVERSE MERCATOR, ALASKA 2 ZONE	FIRM, FRD
5003	STATE PLANE TRANSVERSE MERCATOR, ALASKA 3 ZONE	FIRM, FRD
5004	STATE PLANE TRANSVERSE MERCATOR, ALASKA 4 ZONE	FIRM, FRD
5005	STATE PLANE TRANSVERSE MERCATOR, ALASKA 5 ZONE	FIRM, FRD
5006	STATE PLANE TRANSVERSE MERCATOR, ALASKA 6 ZONE	FIRM, FRD
5007	STATE PLANE TRANSVERSE MERCATOR, ALASKA 7 ZONE	FIRM, FRD
5008	STATE PLANE TRANSVERSE MERCATOR, ALASKA 8 ZONE	FIRM, FRD
5009	STATE PLANE TRANSVERSE MERCATOR, ALASKA 9 ZONE	FIRM, FRD
5010	STATE PLANE LAMBERT CONFORMAL CONIC, ALASKA 10 ZONE	FIRM, FRD
5101	STATE PLANE TRANSVERSE MERCATOR, HAWAII 1 ZONE	FIRM, FRD
5101H	HARN STATE PLANE TRANSVERSE MERCATOR, HAWAII 1 ZONE	FIRM, FRD
5102	STATE PLANE TRANSVERSE MERCATOR, HAWAII 2 ZONE	FIRM, FRD
5102H	HARN STATE PLANE TRANSVERSE MERCATOR, HAWAII 2 ZONE	FIRM, FRD
5103	STATE PLANE TRANSVERSE MERCATOR, HAWAII 3 ZONE	FIRM, FRD
5103H	HARN STATE PLANE TRANSVERSE MERCATOR, HAWAII 3 ZONE	FIRM, FRD
5104	STATE PLANE TRANSVERSE MERCATOR, HAWAII 4 ZONE	FIRM, FRD

Coded Value	Type of Projection	Applies to Database Schema
5104H	HARN STATE PLANE TRANSVERSE MERCATOR, HAWAII 4 ZONE	FIRM, FRD
5105	STATE PLANE TRANSVERSE MERCATOR, HAWAII 5 ZONE	FIRM, FRD
5105H	HARN STATE PLANE TRANSVERSE MERCATOR, HAWAII 5 ZONE	FIRM, FRD
5200	STATE PLANE LAMBERT CONFORMAL CONIC, PR VIRGIN ISLANDS ZONE	FIRM, FRD
5200H	HARN STATE PLANE LAMBERT CONFORMAL CONIC, PR VIRGIN ISLANDS ZONE	FIRM, FRD
5201	STATE PLANE LAMBERT CONFORMAL CONIC, PUERTO RICO ZONE	FIRM, FRD
5202	STATE PLANE LAMBERT CONFORMAL CONIC, PR VIRGIN I ST CROIX ZONE	FIRM, FRD
5300	STATE PLANE LAMBERT CONFORMAL CONIC, AMERICAN SAMOA ZONE	FIRM, FRD
5400	STATE PLANE POLYCONIC, GUAM ZONE	FIRM, FRD
9000	OTHER	FIRM, FRD
GCS	GEOGRAPHIC COORDINATE SYSTEM	FIRM, NFHL, FRD
UTM	UNIVERSAL TRANSVERSE MERCATOR	FIRM, FRD
WGS	WGS 1984 WEB MERCATOR (AUXILIARY SPHERE)	NFHL
NP	NP	FIRM

2.52. D_Projzone

This domain table is referenced in the FIRM database schema.

Coded Value	Projection Zone	Applies to Database Schema
1	1	FIRM
2	2	FIRM
3	3	FIRM
4	4	FIRM
5	5	FIRM

Coded Value	Projection Zone	Applies to Database Schema
6	6	FIRM
7	7	FIRM
8	8	FIRM
9	9	FIRM
10	10	FIRM
11	11	FIRM
12	12	FIRM
13	13	FIRM
14	14	FIRM
15	15	FIRM
16	16	FIRM
17	17	FIRM
18	18	FIRM
19	19	FIRM
0101H	0101H	FIRM
0102H	0102H	FIRM
0201H	0201H	FIRM
0202H	0202H	FIRM
0203H	0203H	FIRM
0401H	0401H	FIRM
0402H	0402H	FIRM
0403H	0403H	FIRM
0404H	0404H	FIRM
0405H	0405H	FIRM
0406H	0406H	FIRM
0501H	0501H	FIRM
0502H	0502H	FIRM

Coded Value	Projection Zone	Applies to Database Schema
0503H	0503H	FIRM
0600H	0600H	FIRM
0700H	0700H	FIRM
0901H	0901H	FIRM
0902H	0902H	FIRM
0903H	0903H	FIRM
1001H	1001H	FIRM
1002H	1002H	FIRM
1101H	1101H	FIRM
1102H	1102H	FIRM
1103H	1103H	FIRM
1201H	1201H	FIRM
1202H	1202H	FIRM
1301H	1301H	FIRM
1302H	1302H	FIRM
1501H	1501H	FIRM
1502H	1502H	FIRM
1601H	1601H	FIRM
1602H	1602H	FIRM
1701H	1701H	FIRM
1702H	1702H	FIRM
1801H	1801H	FIRM
1802H	1802H	FIRM
1900H	1900H	FIRM
2001H	2001H	FIRM
2002H	2002H	FIRM
2111H	2111H	FIRM

Coded Value	Projection Zone	Applies to Database Schema
2112H	2112H	FIRM
2113H	2113H	FIRM
2301H	2301H	FIRM
2302H	2302H	FIRM
2500H	2500H	FIRM
2600H	2600H	FIRM
2701H	2701H	FIRM
2702H	2702H	FIRM
2703H	2703H	FIRM
2800H	2800H	FIRM
2900H	2900H	FIRM
3001H	3001H	FIRM
3002H	3002H	FIRM
3003H	3003H	FIRM
3101H	3101H	FIRM
3102H	3102H	FIRM
3103H	3103H	FIRM
3104H	3104H	FIRM
3301H	3301H	FIRM
3302H	3302H	FIRM
3401H	3401H	FIRM
3402H	3402H	FIRM
3501H	3501H	FIRM
3502H	3502H	FIRM
3601H	3601H	FIRM
3602H	3602H	FIRM
3800H	3800H	FIRM

Coded Value	Projection Zone	Applies to Database Schema
4001H	4001H	FIRM
4002H	4002H	FIRM
4100H	4100H	FIRM
4201H	4201H	FIRM
4202H	4202H	FIRM
4203H	4203H	FIRM
4204H	4204H	FIRM
4205H	4205H	FIRM
4301H	4301H	FIRM
4302H	4302H	FIRM
4303H	4303H	FIRM
4400H	4400H	FIRM
4501H	4501H	FIRM
4502H	4502H	FIRM
4601H	4601H	FIRM
4602H	4602H	FIRM
4701H	4701H	FIRM
4702H	4702H	FIRM
4801H	4801H	FIRM
4802H	4802H	FIRM
4803H	4803H	FIRM
4901H	4901H	FIRM
4902H	4902H	FIRM
4903H	4903H	FIRM
4904H	4904H	FIRM
5101H	5101H	FIRM
5102H	5102H	FIRM

Coded Value	Projection Zone	Applies to Database Schema
5103H	5103H	FIRM
5104H	5104H	FIRM
5105H	5105H	FIRM
5200H	5200H	FIRM
0101	0101	FIRM
0102	0102	FIRM
0201	0201	FIRM
0202	0202	FIRM
0203	0203	FIRM
0301	0301	FIRM
0302	0302	FIRM
0401	0401	FIRM
0402	0402	FIRM
0403	0403	FIRM
0404	0404	FIRM
0405	0405	FIRM
0406	0406	FIRM
0501	0501	FIRM
0502	0502	FIRM
0503	0503	FIRM
0600	0600	FIRM
0700	0700	FIRM
0901	0901	FIRM
0902	0902	FIRM
0903	0903	FIRM
1001	1001	FIRM
1002	1002	FIRM

Coded Value	Projection Zone	Applies to Database Schema
1101	1101	FIRM
1102	1102	FIRM
1103	1103	FIRM
1201	1201	FIRM
1202	1202	FIRM
1301	1301	FIRM
1302	1302	FIRM
1401	1401	FIRM
1402	1402	FIRM
1501	1501	FIRM
1502	1502	FIRM
1600	1600	FIRM
1601	1601	FIRM
1602	1602	FIRM
1701	1701	FIRM
1702	1702	FIRM
1801	1801	FIRM
1802	1802	FIRM
1900	1900	FIRM
2001	2001	FIRM
2002	2002	FIRM
2111	2111	FIRM
2112	2112	FIRM
2113	2113	FIRM
2201	2201	FIRM
2202	2202	FIRM
2203	2203	FIRM

Coded Value	Projection Zone	Applies to Database Schema
2301	2301	FIRM
2302	2302	FIRM
2401	2401	FIRM
2402	2402	FIRM
2403	2403	FIRM
2500	2500	FIRM
2600	2600	FIRM
2701	2701	FIRM
2702	2702	FIRM
2703	2703	FIRM
2800	2800	FIRM
2900	2900	FIRM
3001	3001	FIRM
3002	3002	FIRM
3003	3003	FIRM
3101	3101	FIRM
3102	3102	FIRM
3103	3103	FIRM
3104	3104	FIRM
3200	3200	FIRM
3301	3301	FIRM
3302	3302	FIRM
3401	3401	FIRM
3402	3402	FIRM
3501	3501	FIRM
3502	3502	FIRM
3601	3601	FIRM

Coded Value	Projection Zone	Applies to Database Schema
3602	3602	FIRM
3701	3701	FIRM
3702	3702	FIRM
3800	3800	FIRM
3900	3900	FIRM
4001	4001	FIRM
4002	4002	FIRM
4100	4100	FIRM
4201	4201	FIRM
4202	4202	FIRM
4203	4203	FIRM
4204	4204	FIRM
4205	4205	FIRM
4301	4301	FIRM
4302	4302	FIRM
4303	4303	FIRM
4400	4400	FIRM
4501	4501	FIRM
4502	4502	FIRM
4601	4601	FIRM
4602	4602	FIRM
4701	4701	FIRM
4702	4702	FIRM
4801	4801	FIRM
4802	4802	FIRM
4803	4803	FIRM
4901	4901	FIRM

Coded Value	Projection Zone	Applies to Database Schema
4902	4902	FIRM
4903	4903	FIRM
4904	4904	FIRM
5001	5001	FIRM
5002	5002	FIRM
5003	5003	FIRM
5004	5004	FIRM
5005	5005	FIRM
5006	5006	FIRM
5007	5007	FIRM
5008	5008	FIRM
5009	5009	FIRM
5010	5010	FIRM
5101	5101	FIRM
5102	5102	FIRM
5103	5103	FIRM
5104	5104	FIRM
5105	5105	FIRM
5200	5200	FIRM
5201	5201	FIRM
5202	5202	FIRM
5300	5300	FIRM
5400	5400	FIRM
9000	9000	FIRM
NP	NP	FIRM

2.53. D_Quad_Corner

This domain table is referenced in the FIRM database schema.

Coded Value	Quad Corner	Applies to Database Schema
NE	NE	FIRM
NW	NW	FIRM
SE	SE	FIRM
SW	SW	FIRM

2.54. D_Release_Typ

This domain table is referenced in the FRD database schema.

Coded Value	Type of Release	Applies to Database Schema
P	Piping	FRD
O	Overtop	FRD
G	Gate Failure	FRD
NP	NP	FRD

2.55. D_Reservoir_Cond

This domain table is referenced in the FRD database schema.

Coded Value	Type of Reservoir Conditions	Applies to Database Schema
F	Full	FRD
N	Normal Pool	FRD
A	Auxiliary Spillway	FRD
P	Primary Spillway	FRD
W	Without Dam	FRD
NP	NP	FRD

2.56. D_Runup_Mdl

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	Type of Runup Model	Applies to Database Schema
1010	ACES 1.07 (1992)	FIRM, FRD
1015	CEM – OTHER (2003)	FIRM, FRD
1020	CHAMP / RUNUP 2.0 (2007)	FIRM, FRD
1080	DIM	FIRM, FRD
1030	EROSION (1998)	FRD
1040	GLWRM (1992)	FRD
9000	OTHER	FIRM, FRD
1050	RUNUP 2.0 (1990)	FIRM, FRD
1070	SPM (USACE 1984)	FIRM, FRD
1060	TAW Method	FIRM, FRD

2.57. D_Scale

This domain table is referenced in the FIRM database schema.

Coded Value	FIRM Panel Scale	Applies to Database Schema
1000	6000	FIRM, Discovery
1010	12000	FIRM, Discovery
1020	24000	FIRM, Discovery
2000	10000	FIRM, Discovery

2.58. D_SFHA_FLDWY

This domain table is referenced in the FRD database schema.

Coded Value	Type of FRD Floodway	Applies to Database Schema
SFHA	Special Flood Hazard Area	FRD
FLDWY	Floodway	FRD
NONSFHA	Non-Special Flood Hazard Area	FRD
CHHA	Coastal High Hazard Area	FRD

Coded Value	Type of FRD Floodway	Applies to Database Schema
NP	NP	FRD

2.59.   D_Shr_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Shoreline	Applies to Database Schema
1000	Sandy Beach-Small Dune	FIRM
1010	Sandy Beach-Large Dune	FIRM
1020	Erodible Bluff	FIRM
1030	Non-Erodible Bluff	FIRM
1040	Shore Protection Structure	FIRM
1050	Wetland	FIRM

2.60.   D_State_FIPS

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	FIRM Description	FRD Description	Applies to Database Schema
01	01	01 - Alabama	FIRM, FRD, Discovery
02	02	02 - Alaska	FIRM, FRD, Discovery
04	04	04 - Arizona	FIRM, FRD, Discovery
05	05	05 - Arkansas	FIRM, FRD, Discovery
06	06	06 - California	FIRM, FRD, Discovery
08	08	08 - Colorado	FIRM, FRD, Discovery
09	09	09 - Connecticut	FIRM, FRD, Discovery
10	10	10 - Delaware	FIRM, FRD, Discovery
11	11	11 - District of Columbia	FIRM, FRD, Discovery
12	12	12 - Florida	FIRM, FRD, Discovery
13	13	13 - Georgia	FIRM, FRD, Discovery
15	15	15 - Hawaii	FIRM, FRD, Discovery

Coded Value	FIRM Description	FRD Description	Applies to Database Schema
16	16	16 - Idaho	FIRM, FRD, Discovery
17	17	17 - Illinois	FIRM, FRD, Discovery
18	18	18 - Indiana	FIRM, FRD, Discovery
19	19	19 - Iowa	FIRM, FRD, Discovery
20	20	20 - Kansas	FIRM, FRD, Discovery
21	21	21 - Kentucky	FIRM, FRD, Discovery
22	22	22 - Louisiana	FIRM, FRD, Discovery
23	23	23 - Maine	FIRM, FRD, Discovery
24	24	24 - Maryland	FIRM, FRD, Discovery
25	25	25 - Massachusetts	FIRM, FRD, Discovery
26	26	26 - Michigan	FIRM, FRD, Discovery
27	27	27 - Minnesota	FIRM, FRD, Discovery
28	28	28 - Mississippi	FIRM, FRD, Discovery
29	29	29 - Missouri	FIRM, FRD, Discovery
30	30	30 - Montana	FIRM, FRD, Discovery
31	31	31 - Nebraska	FIRM, FRD, Discovery
32	32	32 - Nevada	FIRM, FRD, Discovery
33	33	33 - New Hampshire	FIRM, FRD, Discovery
34	34	34 - New Jersey	FIRM, FRD, Discovery
35	35	35 - New Mexico	FIRM, FRD, Discovery
36	36	36 - New York	FIRM, FRD, Discovery
37	37	37 - North Carolina	FIRM, FRD, Discovery
38	38	38 - North Dakota	FIRM, FRD, Discovery
39	39	39 - Ohio	FIRM, FRD, Discovery
40	40	40 - Oklahoma	FIRM, FRD, Discovery
41	41	41 - Oregon	FIRM, FRD, Discovery
42	42	42 - Pennsylvania	FIRM, FRD, Discovery

Coded Value	FIRM Description	FRD Description	Applies to Database Schema
44	44	44 - Rhode Island	FIRM, FRD, Discovery
45	45	45 - South Carolina	FIRM, FRD, Discovery
46	46	46 - South Dakota	FIRM, FRD, Discovery
47	47	47 - Tennessee	FIRM, FRD, Discovery
48	48	48 - Texas	FIRM, FRD, Discovery
49	49	49 - Utah	FIRM, FRD, Discovery
50	50	50 - Vermont	FIRM, FRD, Discovery
51	51	51 - Virginia	FIRM, FRD, Discovery
53	53	53 - Washington	FIRM, FRD, Discovery
54	54	54 - West Virginia	FIRM, FRD, Discovery
55	55	55 - Wisconsin	FIRM, FRD, Discovery
56	56	56 - Wyoming	FIRM, FRD, Discovery
60	60	60 - American Samoa	FIRM, FRD, Discovery
64	64	64 - Micronesia	FIRM, FRD, Discovery
66	66	66 - Guam	FIRM, FRD, Discovery
68	68	68 - Marshall Islands	FIRM, FRD
69	69	69 - Northern Mariana Islands	FIRM, FRD
70	70	70 - Palau	FIRM, FRD
72	72	72 - Puerto Rico	FIRM, FRD
74	74	74 – U.S. Minor Islands	FIRM, FRD
78	78	78 - Virgin Islands	FIRM, FRD

2.61. D_State_Name

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	State Name	Applies to Database Schema
AL	Alabama	FIRM, FRD, Discovery

Coded Value	State Name	Applies to Database Schema
AK	Alaska	FIRM, FRD, Discovery
AS	American Samoa	FIRM, FRD, Discovery
AR	Arkansas	FIRM, FRD, Discovery
AZ	Arizona	FIRM, FRD, Discovery
CA	California	FIRM, FRD, Discovery
CO	Colorado	FIRM, FRD, Discovery
CT	Connecticut	FIRM, FRD, Discovery
DE	Delaware	FIRM, FRD, Discovery
DC	District of Columbia	FIRM, FRD, Discovery
FL	Florida	FIRM, FRD, Discovery
GA	Georgia	FIRM, FRD, Discovery
GU	Guam	FIRM, FRD, Discovery
HI	Hawaii	FIRM, FRD, Discovery
ID	Idaho	FIRM, FRD, Discovery
IL	Illinois	FIRM, FRD, Discovery
IN	Indiana	FIRM, FRD, Discovery
IA	Iowa	FIRM, FRD, Discovery
KS	Kansas	FIRM, FRD, Discovery
KY	Kentucky	FIRM, FRD, Discovery
LA	Louisiana	FIRM, FRD, Discovery
ME	Maine	FIRM, FRD, Discovery
MH	Marshall Islands	FIRM, FRD, Discovery
MD	Maryland	FIRM, FRD, Discovery
MA	Massachusetts	FIRM, FRD, Discovery
MI	Michigan	FIRM, FRD, Discovery
FM	Micronesia	FIRM, FRD, Discovery
MN	Minnesota	FIRM, FRD, Discovery

Coded Value	State Name	Applies to Database Schema
MS	Mississippi	FIRM, FRD, Discovery
MO	Missouri	FIRM, FRD, Discovery
MT	Montana	FIRM, FRD, Discovery
NE	Nebraska	FIRM, FRD, Discovery
NV	Nevada	FIRM, FRD, Discovery
NH	New Hampshire	FIRM, FRD, Discovery
NJ	New Jersey	FIRM, FRD, Discovery
NM	New Mexico	FIRM, FRD, Discovery
NY	New York	FIRM, FRD, Discovery
NC	North Carolina	FIRM, FRD, Discovery
ND	North Dakota	FIRM, FRD, Discovery
MP	Northern Mariana Islands	FIRM, FRD, Discovery
OH	Ohio	FIRM, FRD, Discovery
OK	Oklahoma	FIRM, FRD, Discovery
OR	Oregon	FIRM, FRD, Discovery
PW	Palau	FIRM, FRD, Discovery
PA	Pennsylvania	FIRM, FRD, Discovery
PR	Puerto Rico	FIRM, FRD, Discovery
RI	Rhode Island	FIRM, FRD, Discovery
SC	South Carolina	FIRM, FRD, Discovery
SD	South Dakota	FIRM, FRD, Discovery
TN	Tennessee	FIRM, FRD, Discovery
TX	Texas	FIRM, FRD, Discovery
UM	U.S. Minor Islands	FIRM, FRD, Discovery
UT	Utah	FIRM, FRD, Discovery
VT	Vermont	FIRM, FRD, Discovery
VA	Virginia	FIRM, FRD, Discovery

Coded Value	State Name	Applies to Database Schema
VI	Virgin Islands	FIRM, FRD, Discovery
WA	Washington	FIRM, FRD, Discovery
WV	West Virginia	FIRM, FRD, Discovery
WI	Wisconsin	FIRM, FRD, Discovery
WY	Wyoming	FIRM, FRD, Discovery
NP	NP	FIRM, FRD, Discovery

2.62.   D_Struct_Face

This domain table is referenced in the FIRM database schema.

Coded Value	Face of Structure	Applies to Database Schema
UP	Upstream	FIRM
DN	Downstream	FIRM
UNK	Unknown	FIRM

2.63.   D_Struct_Mtl

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Structure Material	Applies to Database Schema
1000	Stone	FIRM
1010	Asphalt	FIRM
1020	Concrete	FIRM
1030	Earthen	FIRM
1040	Timber	FIRM
1050	Steel	FIRM
1060	Sand	FIRM
1070	Other	FIRM
1080	Unknown	FIRM
NP	NP	FIRM

2.64. D_Struct_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Structure Type Definition	Applies to Database Schema
1000	Aqueduct	FIRM
1001	Bridge	FIRM
1002	Canal	FIRM
1003	Channel	FIRM
1006	Control Structure	FIRM
1007	Culvert	FIRM
1010	Dam	FIRM
1012	Dock	FIRM
1013	Drop Structure	FIRM
1014	Energy Dissipater	FIRM
1015	Fish Ladder	FIRM
1017	Flume	FIRM
1018	Footbridge	FIRM
1019	Gate	FIRM
1020	Jetty	FIRM
1021	Levee	FIRM
1022	Lock	FIRM
1023	Penstock	FIRM
1024	Pier	FIRM
1025	Pump Station	FIRM
1026	Seawall	FIRM
1027	Side Weir Structure	FIRM
1028	Storm Sewer	FIRM
1029	Utility Crossing	FIRM
1030	Weir	FIRM

Coded Value	Structure Type Definition	Applies to Database Schema
1031	Wing Wall	FIRM
1033	0.2-Percent-Annual-Chance Flood Discharge Contained in Structure	FIRM
1032	1-Percent-Annual-Chance Flood Discharge Contained in Structure	FIRM
1036	Floodway Contained in Structure	FIRM
1037	Pipeline	FIRM
1038	Retaining Wall	FIRM
1039	Revetment	FIRM
1040	Siphon	FIRM
9000	Other / Misc. Structure	FIRM
NP	NP	FIRM

2.65. D_Study_Mth

Coded Value	Study Method	When Used	Applies to Database Schema
1000	New H&H	New fully detailed modeling	FIRM, FRD
1010	BLE TIER A	Auto placed cross sections, structures not included	FIRM, FRD
1020	BLE TIER B	Intelligently placed cross sections, structures not included	FIRM, FRD
1030	BLE TIER C	Cross sections reviewed by engineer; structures included	FIRM, FRD
1040	BLE TIER D	Cross sections reviewed by engineer, structures with opening information	FIRM, FRD

Coded Value	Study Method	When Used	Applies to Database Schema
1050	BLE TIER E	Cross sections reviewed by engineer and with channel bathymetry, structures from field survey, as-builts, or measured in field	FIRM, FRD
1060	LSAE	Large Scale Automated Engineering	FIRM, FRD
1100	REDELINEATION	Existing studies remapped on new topographic data	FIRM, FRD
1200	DIGITAL CONVERSION	Existing studies digitized from existing scanned panels	FIRM, FRD
1300	SECLUSION	Existing studies digitized from scanned panels or maintain existing NFHL data due to levee system that has not been shown to comply with Section 65.10.	FIRM, FRD
9000	OTHER	OTHER	FRD
NP	NP	NP; unshaded-X zones	FIRM

2.66. D_Study_Prefix

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	Type of Prefix Value	Applies to Database Schema
0100	Borough of	FIRM, FRD
0200	City and County of	FIRM, FRD
0300	City of	FIRM, FRD
0400	Municipality of	FIRM, FRD
0500	Town of	FIRM, FRD
0600	Township of	FIRM, FRD
0700	Village of	FIRM, FRD

Coded Value	Type of Prefix Value	Applies to Database Schema
0800	Town and Village of	FIRM, FRD
9000	Other	FIRM, FRD

2.67. D_Study_Typ

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	Type of Study	When Used	Applies to Database Schema
1030	BLE available but unpublished	Base Level Engineering data are available, but zones and Baseflood Elevations (BFEs) are not published on FIRM	FIRM, FRD, Discovery
1000	SFHA without BFE	Such as A zones without BFEs or water surface elevations	FIRM, FRD, Discovery
1040	SFHA with Unpublished BFE	Such as A zones with BFEs or water surface elevations calculated but not published in FIS Report	FIRM, FRD, Discovery
1010	SFHA with BFE published only in FIS	Such as A zones with BFEs or water surface elevations published only in FIS Report	FIRM, FRD, Discovery
1050	SFHA with BFE no floodway	Such as AE or VE zones with regulatory water surface elevations or depths but no floodway; or shaded-X zones that are associated with this type of study	FIRM, FRD, Discovery
1060	SFHA with BFE and floodway	Such as AE or VE zones with regulatory water surface elevations and a regulatory floodway; or shaded-X zones that are associated with this type of study	FIRM, FRD, Discovery
1070	Shaded Zone X with depths less than 1'	Such as Zone X with depths less than 1'	FIRM, FRD, Discovery

Coded Value	Type of Study	When Used	Applies to Database Schema
9000	OTHER	OTHER	FRD
NP	NP	NP; unshaded-X zones	FIRM, Discovery

2.68.   D_Subbasin_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Subbasin Model	Applies to Database Schema
HYD	Hydrologic Analyses	FIRM
HUC8	USGS HUC-8	FIRM
NP	NP	FIRM

2.69.   D_Surge_Mdl

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	Type of Surge Model	Applies to Database Schema
1010	DYNLET	FIRM, FRD
1020	FEMA Surge (1988)	FIRM, FRD
1040	MIKE 21 HD/NHD	FIRM, FRD
1050	New England Tide Profile	FIRM, FRD
1080	TABS RMA V.4.3 (Oct 1996)	FIRM, FRD
1090	USACE Great Lakes Tide Profile (1988)	FIRM, FRD
0100	ADCIRC (2003)	FIRM, FRD
0110	DELFT 3D	FIRM, FRD
9000	OTHER	FRD

2.70.   D_Task_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Data Development or Non-Regulatory Flood Risk Task	Applies to Database Schema
1000	ALLUVIAL FAN	FIRM
1010	BASE MAP	FIRM
1020	COASTAL	FIRM
1030	FIRM DATABASE	FIRM
1040	FLOODPLAIN MAPPING	FIRM
1050	HYDRAULIC	FIRM
1060	HYDROLOGIC	FIRM
1070	SURVEY	FIRM
1080	NEW TOPO CAPTURE	FIRM
1081	EXISTING TOPO CAPTURE	FIRM
1082	TERRAIN CAPTURE	FIRM
1090	DISCOVERY	FIRM
1100	FLOOD RISK ASSESSMENT	FIRM
1200	LOMR	FIRM
1300	Levee Seclusion	FIRM
NP	NP	FIRM

2.71.   D_Time_Units

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Time Unit	Applies to Database Schema
1000	DAYS	FIRM
1010	HOURS	FIRM
1020	MINUTES	FIRM
1030	MONTHS	FIRM

Coded Value	Type of Time Unit	Applies to Database Schema
1040	SECONDS	FIRM
1050	WEEKS	FIRM
1060	YEARS	FIRM

2.72. D_TrueFalse

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	FRD Description	FIRM Description	Applies to Database Schema
T	True (Yes)	T	FIRM, FRD, Discovery
F	False (No)	F	FIRM, FRD, Discovery
U	Unknown	U	FIRM, FRD, Discovery

2.73. D_TsctBasln_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Transect Baseline Source	Applies to Database Schema
1000	Zero Foot Contour Field Survey	FIRM
1010	Zero Foot Contour LiDAR / Shoals	FIRM
1020	Zero Foot Contour Referenced to Tidal Datum	FIRM
9000	Other Source	FIRM
NP	NP	FIRM

2.74. D_USACE_District

This domain table is referenced in the FIRM database schema.

Coded Value	United States Army Corps of Engineers (USACE) District	Applies to Database Schema
1001	Alaska	FIRM
1002	Albuquerque	FIRM
1003	Baltimore	FIRM

Coded Value	United States Army Corps of Engineers (USACE) District	Applies to Database Schema
1004	Buffalo	FIRM
1005	Charleston	FIRM
1006	Chicago	FIRM
1007	Detroit	FIRM
1008	Fort Worth	FIRM
1009	Galveston	FIRM
1010	Gulf Region	FIRM
1011	Honolulu	FIRM
1012	Huntington	FIRM
1013	Jacksonville	FIRM
1014	Kansas City	FIRM
1015	Little Rock	FIRM
1016	Louisville	FIRM
1017	Los Angeles	FIRM
1018	Memphis	FIRM
1019	Mobile	FIRM
1020	Nashville	FIRM
1021	New England	FIRM
1022	New Orleans	FIRM
1023	New York	FIRM
1024	Norfolk	FIRM
1025	Omaha	FIRM
1026	Philadelphia	FIRM
1027	Pittsburgh	FIRM
1028	Portland	FIRM
1029	Rock Island	FIRM
1030	Sacramento	FIRM

Coded Value	United States Army Corps of Engineers (USACE) District	Applies to Database Schema
1031	San Francisco	FIRM
1032	Savannah	FIRM
1033	Seattle	FIRM
1034	St. Louis	FIRM
1035	St. Paul	FIRM
1036	Tulsa	FIRM
1037	Vicksburg	FIRM
1038	Walla Walla	FIRM
1039	Wilmington	FIRM
NP	NP	FIRM

2.75. D_V_Datum

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	FRD Description	Type of Vertical Datum FIRM Description	Applies to Database Schema
MSL	Mean Sea Level	MSL	FIRM, FRD
NAVD88	North American Vertical Datum 1988	NAVD88	FIRM, FRD
NGVD29	North American Geodetic Vertical Datum 1929	NGVD29	FIRM, FRD
TIDAL	Local Tidal Datum	LOCAL TIDAL DATUM	FIRM, FRD
MLLW	Mean Lower Low Water Datum	MLLW	FIRM, FRD
MLW	Mean Low Water Datum	MLW	FIRM, FRD
NP	NP	NP	FIRM

NP – for legacy NFHL records only. All new studies must specify vertical datum.

2.76.   D_Velocity_Units

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Velocity Unit	Applies to Database Schema
1000	Centimeters / Day	FIRM
1010	Centimeters / Hour	FIRM
1020	Feet / Second	FIRM
1030	Inches / Day	FIRM
1040	Inches / Hour	FIRM
1050	Meters / Second	FIRM
1060	Micrometers / Second	FIRM
1070	Millimeters / Day	FIRM
1080	Millimeters / Hour	FIRM
NP	NP	FIRM

2.77.   D_VZone

This domain table is referenced in the FIRM database schema.

Coded Value	Type of V Zone	Applies to Database Schema
1060	Breaking Wave Ht	FIRM
1050	High Velocity Flow	FIRM
1030	Runup	FIRM
1010	Wave Overtopping Splash Zone	FIRM
1020	PFD	FIRM

2.78.   D_Wave_Haz

This domain table is referenced in the FRD database schema.

Coded Value	Type of Wave Hazard	Applies to Database Schema
HIGH	High	FRD
MOD	Moderate	FRD

Coded Value	Type of Wave Hazard	Applies to Database Schema
MIN	Minimal	FRD
NP	NP	FRD

2.79. D_Wave_Mdl

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	Type of Wave Model	Applies to Database Schema
1020	MIKE 21 (OSW)	FIRM, FRD
1030	MIKE 21 (NSW)	FIRM, FRD
1040	RCPWAVE (1986)	FIRM, FRD
1050	WHAFIS 3.0 (1988)	FIRM, FRD
1060	WHAFIS 3.0 GL (1983)	FIRM, FRD
1010	DELFT 3D	FIRM, FRD
1070	STWAVE (Latest Version)	FIRM, FRD
1080	SWAN (2008)	FIRM, FRD
1065	WHAFIS 4.0 (2007)	FIRM, FRD
9000	OTHER	FRD

2.80. D_XS_Ln_Typ

This domain table is referenced in the FIRM database schema.

Coded Value	Type of Cross Section Description	Applies to Database Schema	When Used?
1010	LETTERED, MAPPED	FIRM	Traditional Lettered XS, FDTs, Profiles
1020	NOT LETTERED, MAPPED	FIRM	Modeled XSs used for Base Flood Elevation (BFE) values on FIRM panels, not shown on FDTs or Profiles, shown but not lettered on panels

Coded Value	Type of Cross Section Description	Applies to Database Schema	When Used?
1030	NOT LETTERED, NOT MAPPED	FIRM	Model Backup in the FIRM Database, including unused XSs adjacent to bridges, too densely spaced, or modeled Zone A.

2.81. D_Zone

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	Type of Flood Zone	Applies to Database Schema
A	A	FIRM, FRD, Discovery
A99	A99	FIRM, FRD, Discovery
AE	AE	FIRM, FRD, Discovery
AH	AH	FIRM, FRD, Discovery
AO	AO	FIRM, FRD, Discovery
AR	AR	FIRM, FRD, Discovery
ANI	AREA NOT INCLUDED	FIRM, FRD, Discovery
D	D	FIRM, FRD, Discovery
NP	NP – NOT POPULATED	FRD
OW	OPEN WATER	FIRM, FRD, Discovery
V	V	FIRM, FRD, Discovery
VE	VE	FIRM, FRD, Discovery
X	X	FIRM, FRD, Discovery

2.82. D_Zone_Subtype

This domain table is referenced in the FIRM and FRD database schemas.

Coded Value	Sub-Types of Flood Zones	Applies to Database Schema	Footnote
0500	0.2-PCT-ANNUAL-CHANCE FLOOD HAZARD	FIRM, FRD	6

Coded Value	Sub-Types of Flood Zones	Applies to Database Schema	Footnote
0520	0.2-PCT-ANNUAL-CHANCE FLOOD HAZARD CONTAINED IN CHANNEL	FIRM, FRD	1, 6
0510	0.2-PCT-ANNUAL-CHANCE FLOOD HAZARD CONTAINED IN STRUCTURE	FIRM, FRD	1, 6
0210	1-PCT-ANNUAL-CHANCE FLOOD HAZARD CONTAINED IN CHANNEL	FIRM, FRD	1
0200	1-PCT-ANNUAL-CHANCE FLOOD HAZARD CONTAINED IN STRUCTURE	FIRM, FRD	1
0400	1-PCT DEPTH LESS THAN 1 FOOT	FIRM, FRD	6
0410	1-PCT DRAINAGE AREA LESS THAN 1 SQUARE MILE	FIRM, FRD	6
0300	1-PCT FUTURE CONDITIONS	FIRM, FRD	6
0310	1-PCT FUTURE CONDITIONS CONTAINED IN STRUCTURE	FIRM, FRD	1, 6
1010	ADMINISTRATIVE FLOODWAY	FIRM, FRD	4
1020	AREA OF SPECIAL CONSIDERATION	FIRM, FRD	4
1000	AREA WITH REDUCED FLOOD HAZARD DUE TO NON-ACCREDITED LEVEE SYSTEM	FIRM, FRD	2
2000	AREA OF MINIMAL FLOOD HAZARD	FIRM, FRD	3
1040	COLORADO RIVER FLOODWAY	FIRM, FRD	4
1030	COMMUNITY ENCROACHMENT AREA	FIRM, FRD	4
1050	DENSITY FRINGE AREA	FIRM, FRD	4,5
1100	FLOODWAY	FIRM, FRD	4
1110	FLOODWAY CONTAINED IN STRUCTURE	FIRM, FRD	1
1120	FLOODWAY CONTAINED IN CHANNEL	FIRM, FRD	1
1200	FLOWAGE EASEMENT AREA	FIRM, FRD	4
1230	NARROW FLOODWAY	FIRM, FRD	4
1220	RIVERINE FLOODWAY SHOWN IN COASTAL ZONE	FIRM, FRD	4, 7
1210	STATE ENCROACHMENT AREA	FIRM, FRD	4
0100	COASTAL FLOODPLAIN	FIRM, FRD	7
0120	COMBINED RIVERINE AND COASTAL FLOODPLAIN	FIRM, FRD	7

Coded Value	Sub-Types of Flood Zones	Applies to Database Schema	Footnote
0110	RIVERINE FLOODPLAIN IN COASTAL ZONE	FIRM, FRD	7
1240	RIVERINE FLOODWAY IN COMBINED RIVERINE AND COASTAL ZONE	FIRM, FRD	7
0530	0.2-PCT-ANNUAL-CHANCE FLOOD HAZARD IN COASTAL ZONE	FIRM, FRD	7
0540	0.2-PCT-ANNUAL-CHANCE FLOOD HAZARD IN COMBINED RIVERINE AND COASTAL ZONE	FIRM, FRD	7
3000	AREA WITH FLOOD HAZARD DUE TO NON-ACCREDITED LEVEE SYSTEM	FIRM, FRD	
3010	AREA WITH REDUCED FLOOD HAZARD DUE TO PROVISIONALLY ACCREDITED LEVEE SYSTEM	FIRM, FRD	
3020	AREA WITH UNDETERMINED FLOOD HAZARD DUE TO NON-ACCREDITED LEVEE SYSTEM	FIRM, FRD	8
3030	AREA WITH REDUCED FLOOD HAZARD DUE TO ACCREDITED LEVEE SYSTEM	FIRM, FRD	
9000	Other	FRD	
NP	NP	FRD	

1. The CONTAINED IN CHANNEL or CONTAINED IN STRUCTURE zone subtypes should only be used if the flooding associated with these channelized structures or other structures is large enough to show as an area. These features should also be drawn as structures in S_GEN_STRUCT and coded appropriately there.

2. Formerly "PROTECTED BY LEVEE."

3. "AREA OF MINIMAL FLOOD HAZARD" terminology is used by the Code of Federal Regulations CFR 64.3 to define an unshaded Zone X.

4. Types of FLOODWAY. Other than the generic "FLOODWAY" subtype, these are areas in which a community enforces more restrictive criteria for floodplain management than the minimum requirements of the NFIP.

5. "DENSITY FRINGE AREAS" are a floodway type specific to the State of Washington used in communities where encroachment and storage-volume reduction are specified in locations of zoned development, as opposed to the traditional equal conveyance reduction floodway.

6. These subtypes are typically symbolized as shaded Zone X. "1-PCT FUTURE CONDITIONS" is a subtype of Zone X and are labeled ZONE X FUTURE on the FIRM panel.

7. These subtypes are only used in coastal areas to specify riverine or coastal flooding. More information on these zones can be found in the FIRM Database Guidance document.

8. This subtype is only used in levee impacted areas with a Zone D from implementing the Analysis and Mapping Procedures for Non-Accredited Levee Systems. More information on these procedures can be found in the <u>Levee Guidance</u> document.

Note that the dashes will stay in the Domain Tables Technical Reference, however the FIRM DB template will not have dashes, and neither will DVT accept them/require them.

This Document Has Been Superceded.
For Reference Only