

Forms, Instructions, and Publications		Standard Flood Hazard Determination (FEMA Form 81-93, Dec 05)	Flood Hazard Determination Review Instructions: "How to Request a Flood Hazard Determination Review from FEMA" (web site)	Floodproofing Certificate for Non-residential Structures (FEMA Form 81-65, Aug 99)	Residential Basement Floodproofing Certificate (only applicable for communities that receive an exception from FEMA) (FEMA Form 81-78, May 04)	Elevation Certificate (FEMA Form 81-31, Feb 06)	MT-EZ: Application Form for Single Residential Lot or Structure Amendments to NFIP Maps (FEMA Form 81-92, Dec 05)	MT-1: Application Form for Conditional and Final Letters of Map Amendment and Letter of Map Revision Based on Fill (FEMA Form 81-87, Sep 02)	MT-2: Application Forms for Conditional Letters of map revision and Letters of Map Revision (FEMA Form 81-89, Sep 04)	Flood Insurance Application (Parts 1 and 2) (FEMA Form 81-16, Aug 06)	Flood Insurance Preferred Risk Policy Application (FEMA Form 81-67, Aug 06)	Flood Insurance General Change Endorsement (FEMA Form 81-18, Aug 06)	V-Zone Risk Factor Rating Form (FEMA Form 81-25, Aug 06)	Managing Floodplain Development in Approximate Zone A Areas -- Appendix 10 (Worksheet "Base Flood Elevations in Zone A Areas") (FEMA Publication 265 Apr 95)	Floodplain Management Requirements (FEMA Publication 480 Feb 05)	Flood Insurance Manual (May 07)
"NFIP map"																
Information element and source	NFIP Community Name (published)	x							x					x		
	NFIP Community Name (actual)					x										
	County(ies) (published)	x														
	County(ies) (actual)					x				x	x	x				
	Located in an unincorporated area of the county? (yes/no)									x	x	x				
	State	x				x			x						x	
	NFIP Community Number (published)	x		x	x		x	x	x	x	x	x	x		x	
NFIP Community Number (actual)						x							x			
Map and/or panel number	NFIP Map Number or Community-Panel Number	x		x	x	x	x		x	x	x -- instructions	x	x	x		
	Revision suffix			x	x	x			x -- for Letters of notification	x	x	x				
	NFIP Map Panel Effective/Revised Date	x			x	x							x	x		
	Post-FIRM date									x		x				
FIRM index	Mention of index availability						x -- instructions	x -- instructions								
	Date of FIRM index (actual)			x		x										
SFHA zone	Flood Zone (in one?)									x	x	x				
	Flood Zone (which one?)	x				x	x -- instructions	x -- instructions	x	x	x	x	x			
	FIRM zone			x	x											
	Is the item in an SFHA (A or V)	x														
	CBRS or OPA zone (in one?)	x				x										
	CBRS or OPA type (which one?)					x										
BFE (or like information)	Base flood elevation	x -- not requested on the form, but sometimes is provided in the comments		x	x	x	x	x	(no particular discussion)	x		x	x	x -- (as a result of calculations)		
	Source of base flood elevation					x -- multiple choice	x -- instructions regarding source: Riverine AE or A1-A30: FIS Lacustrine: FIS (or FIRM) Coastal AE or A1-A30: FIRM and FIS VE or V1-V30: FIRM and FIS A: other source AH or AO: FIRM	x -- instructions regarding source: Riverine AE or A1-A30: FIS Lacustrine: FIS (or FIRM) Coastal AE or A1-A30: FIRM and FIS VE or V1-V30: FIRM and FIS A: other source AH or AO: FIRM	(no particular discussion of sources)							
	Base flood depth in AO zones			x	x	x										
	Vertical datum			x	x -- specifies NGVD where BFE is requested, but later says to use the elevation datum used for the FIRM	x	x -- instructions	x -- instructions						x -- instructions require that "All elevations must be referenced to the datum on which the FIRM is based (e.g. NGVD, NAVD)"	x	
Base map	Property location	Property address or legal description if address is inadequate	"A copy of the effective FIRM panel ... marked to show the location of the structure or manufactured home."	Street address or other description (Lot and Block numbers) (Note that the form is not clear if the address is for the structure or the owner)		Street address and property description	Street address and a brief description of the property	Street address (if not available, a brief property description)	(identified by map submissions)	Street address (if not available, a brief property description)	Street address (if not available, a brief property description)	Street address (if not available, a brief property description)	Street address and property description			
	Building latitude and longitude					x	x						x			
	Horizontal datum					x	x						x			
	Flooding source (name)				x				x	x -- by type, not geographic name		x -- by type, not geographic name				

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Information element and source	Approximate distance of site location to nearest shoreline									x -- multiple choice		x -- multiple choice					
	NFIP Panel doesn't exist (checkbox)	x															
Other	Other	"This determination is based on examining the NFIP map, any [FEMA] revisions to it, and any other information needed to locate the building/mobile home on the NFIP map."								Insurance policy waiting period -- "Map Rev. (Zone change from non-SFHA to SFHA)"		Insurance policy waiting period -- "Map Rev. (Zone change from non-SFHA to SFHA)"					
	LOMA/LOMR-F																
LOMA / LOMR-F	Is the item covered by a LOMR?	x															
	Letter date	x				x											
	Case number					x											
	Content																
Copies of materials																	
Copies required/suggested for evidence/reference	Standard Flood Hazard Determination form		x														
	FIRM		x						x - annotated								
	FIRM, including the title block						x	x									
	FHBM						x -- if FIRM not available										
	FBFM						x	x	x - annotated								
	Info used by the lender to make determination		x														
	Elevation Certificate						x -- in lieu of Section B	x -- in addition to Form 2		x -- and need to provide date of elevation certification		x -- and need to provide date of elevation certification		x			
Map scale and north arrow on all maps						x -- instructions	x -- instructions	x -- instructions (map scale only)						x -- map scale			
Coherent Access (aka DIT)																	
Source for FIRMs	Map Service Center	x				x	x	x	x				x				
	Other Comments															Suggest reviewing units 3, 4, and 5 during re-design.	Used instructions to complete entries for insurance forms
																	Suggest reviewing section "Flood Maps" during re-design.

Information element	Product	Modernized Flood Insurance Rate Map (FIRM) and FIRMscan (assumed to be the same as the FIRM) (including display with F-MIT)	FIRMette (from modernized FIRM) (online and with F-MIT)	Flood Insurance Rate Map (FIRM) Index and FIRM(index)scan (assumed to be the same as the FIRM index) (modernized)	FIRM(index)ette (modernized)	Digital Flood Insurance Rate Map (DFIRM) databases (GIS data)	National Flood Hazard Layer (straight from DFIRM data)	Enhanced National Flood Hazard Layer (as new LOMRs are integrated with existing data and LOMA points are added)	National Flood Hazard Layer viewer (online map only)	National Flood Hazard Layer viewer (map and query)	National Flood Hazard Layer viewer (printed map only)	National Flood Hazard Layer Web Map Service (image)	Standalone DFIRM viewer (view map only)	Standalone DFIRM viewer (map and query, including opening associated tables)	Standalone DFIRM viewer (printed "point location map")	National Flood Hazard Layer XML Service (information from CR 10250)	Letter of Determination Review (LODR)	Letter of Map Amendment (LOMA)	Letter of Map Revision (LOMR) (including form)
Community information	NFIP Community Name (published)	x -- includes community type *	x -- includes community type *	x	x -- not by default, but can capture/print that portion of the graphic	x	x	x	x	x	x	x	x -- can be turned on	x	x		x	x	x -- includes community type *
	NFIP Community Name (actual)																		
	County(ies) (published)	x	x	x	x	x	x	x		x -- numeric FIPS code			x -- as part of study name	x	x		x -- in community name		x
	County(ies) (actual)																		
	Located in an unincorporated part of the county?	x	x	x	x -- not by default, but can capture/print that portion of the graphic	x	x	x	x	x	x	x	x -- can be determined	x	x		x -- in community name	x	x
	State	x	x	x	x	x	x	x		x -- numeric FIPS code				x	x		x	x	x
	NFIP Community Number (published)	x	x	x	x -- not by default, but can capture/print that portion of the graphic		x	x	x		x			x -- can be turned on	x	x		x	x
Map and/or panel number	NFIP Community Number (actual)																		
	NFIP Map Number or Community-Panel Number	x	x	x	x	x	x	x	x	x	x	x	x -- panel number displayed as default	x	x	x	x	x	x
	Revision suffix	x	x	x	x	x	x	x	x	x	x	x	x -- can be turned on	x	x	x	x	x	x
	NFIP Map Panel Effective/Revised Date	x	x	x	x -- not by default, but can capture/print that portion of the graphic	x	x	x	x	x	x	x	x -- can be turned on	x	x		x	x	x
Map and/or panel number	Post-FIRM date	x -- sometimes	x -- not by default, but can capture/print that portion of the graphic (This note assumes that the post-FIRM date is on the original FIRM)	x -- sometimes	x -- not by default, but can capture/print that portion of the graphic	x	x	x					x -- can be viewed	x					
	LOMC/LODR case number					x -- sometimes. In the production of new DFIRM data, sometimes information about component LOMRs is retained and sometimes the LOMRs are incorporated into the DFIRM new data without history	x -- sometimes. In the production of new DFIRM data, sometimes information about component LOMRs is retained and sometimes the LOMRs are incorporated into the DFIRM new data without history	x -- for new LOMR data, in addition to whatever may have been transferred with the original DFIRM data					x -- for new LOMR data, in addition to whatever may have been transferred with the original DFIRM data				x	x	x
FIRM index	Mention of index availability?	x	x -- not by default, but can capture/print that portion of the graphic	n/a	n/a														
	Date of FIRM index			x	x	x -- knowable from other date information in the DFIRM data	x -- knowable from other date information in the DFIRM data	x -- knowable from other date information in the DFIRM data											? -- Don't know how LODRs are processed when the index carries the flood zone information
	Date of FIRM index (actual)																		
SFHA zone	Flood Zone (in one?)	x	x	x -- when panel is not printed because it is all one zone (selected zones (B *, D, X, AE *, VE *))	x -- when panel is not printed because it is all one zone (selected zones (B *, D, X, AE *, VE *)) Explanation not printed by default, but can capture/print that portion of the graphic	x	x	x	x	x	x	x	x	x	x	x	x		x
	Flood Zone (which one?)	x	x	x -- when panel is not printed because it is all one zone (selected zones (B *, D, X, AE *, VE *))	x -- when panel is not printed because it is all one zone (selected zones (B *, D, X, AE *, VE *)) Explanation not printed by default, but can capture/print that portion of the graphic	x	x	x	x	x	x	x	x	x	x -- reports the zone for the point; labels can be turned on	x		x	x
	FIRM zone	x	x	x -- when panel is not printed because it is all one zone (selected zones (B *, D, X, AE *, VE *))	x -- when panel is not printed because it is all one zone (selected zones (B *, D, X, AE *, VE *)) Explanation not printed by default, but can capture/print that portion of the graphic	x	x	x	x	x	x	x	x	x	x -- reports the zone for the point; labels can be turned on	x			x
	Is the item in an SFHA (A or V)	x	x	x -- when panel is not printed because it is all AE or VE *	x -- when panel is not printed because it is all AE or VE * Explanation not printed by default, but can capture/print that portion of the graphic	x	x	x	x	x	x	x	x	x	x -- reports the zone for the point; labels can be turned on	x			x

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		CBRS or OPA zone (in one?)	CBRS or OPA zone (in one?)	x	x			x	x	x	x	x	x	x	x	x	x -- reports the zone for the point; labels can be turned on	x		
CBRS or OPA type (which one?)	x		x			x	x	x	x	x	x	x	x	x	x -- reports the zone for the point; labels can be turned on	x			x	
CBRS or OPA designation date	x		x			x	x	x	x -- presentation needs work (CR underway)				x -- can be turned on	x	x -- reports the zone for the point; labels can be turned on				x	
SFHA zone legend	x		x -- not by default, but can capture/print that portion of the graphic				x	x	x	x -- option	x -- available separately		x	x	x -- legend only describes some of the symbology				x (abbreviated)	
BFE (or like information)	Base flood elevation	x	x -- care in positioning the view might be needed to view all required information	x -- when panel is not printed because it is all AE or VE with one flood elevation *	x -- when panel is not printed because it is all AE or VE with one flood elevation *	x	x	x	x	x	x	x -- but no static elevations	x -- can be turned on	x	x -- labels can be turned on for all BFEs; reports a BFE for the selected point			x	x	
	Source of base flood elevation																			
Vertical datum	Base flood depth in AO zones	x	x -- care in positioning the view might be needed to view all required information			x	x	x	x				x -- can be turned on	x	x -- labels can be turned on				x	
	Vertical datum	x	x -- not by default, but can capture/print that portion of the graphic	x -- sometimes (although it might have been a mistake)	x -- sometimes (although it might have been a mistake) Not by default, but can capture/print that portion of the graphic	x	x	x	x				x -- can be turned on	x	x			x -- specifies NGVD29	x	
Base map	Property location	x -- fit to reference information (roads, hydrography, PLSS, boundaries and related names/labels; imagery; and coordinate system references)	x -- fit to reference information (roads, hydrography, PLSS, boundaries and related names/labels; imagery; and coordinate system references) (Note that this task is more difficult using the FIRMette if related marginalia and other large-area reference information is not captured in the FIRMette view)	x -- within limits of map detail	x -- within limits of map detail (Note that this task is more difficult using the FIRM(index)ette if large-area reference information is not captured in the FIRM(index)ette view)	x -- fit to reference information (roads, hydrography, PLSS, boundaries and related names/labels; imagery; and coordinate system)	x -- fit to reference information (roads, hydrography, PLSS, boundaries and related names/labels; imagery; and coordinate system)	x -- fit to reference information (roads, hydrography, PLSS, boundaries and related names/labels; imagery; and coordinate system)	x -- within limits of map detail	x -- within limits of map detail Can zoom to address or other reference info	x -- within limits of map detail	x -- within limits of vector base map data	x -- within limits of map detail System has ability to zoom to address, although this feature currently does not work. Also can zoom to a point coordinate	x -- within limits of map detail System has ability to zoom to address, although this feature currently does not work. Also can zoom to a point coordinate	x -- within limits of map detail System has ability to zoom to address, although this feature currently does not work. Also can zoom to a point coordinate		x Street address or other property location info	x Lot/block/subdivision Street address Legal property description	x -- fit to reference information (roads, hydrography, PLSS, boundaries and related names/labels; imagery; and coordinate system references)	
	Building latitude and longitude	x	x -- although more difficult if the required marginalia can't be captured and printed			x	x	x					no, but coordinates can be provided in DFIRM coordinate system	no, but coordinates can be provided in DFIRM coordinate system	x -- reports coordinate of point selected, but in DFIRM coordinate system		x		x	
	Horizontal datum	x	x -- not by default, but can capture/print that portion of the graphic			x	x	x						x	x			x		
	Flooding source (name)	x	x	x -- major ones only *	x -- major ones only *	x	x	x	x	x				x -- can be turned on	x	x -- reports the name of the "nearest stream"			x	x
	Approximate distance of site location to nearest shoreline	x	x			x	x	x	x	x	x			x	x					x
NFIP Panel doesn't exist (checkbox)				x -- interpret from index	x -- interpret from index		no, although gaps in available DFIRM data shown	no, although gaps in available DFIRM data shown												
Location of map repositories	x -- Listed for single-jurisdiction or non-countywide FIRMs; mentions their existence and refers readers to the index for countywide FIRMs	x -- Listed for single-jurisdiction or non-countywide FIRMs; mentions their existence and refers readers to the index for countywide FIRMs Not shown by default, but can capture/print that portion of the graphic that has the text	x	x -- not by default, but can capture/print that portion of the graphic		x	x	x						x						

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Other	Other	Notes: * Reason for FIRM or CBRS revision (numerous possible reasons) Means to determine availability of flood insurance Notes to users (numerous possible notes) Coastal barrier legend features and notes (numerous possible notes)	Notes: * Reason for FIRM or CBRS revision (numerous possible reasons) Means to determine availability of flood insurance Notes to users (numerous possible notes) Coastal barrier legend features and notes (numerous possible notes) (Not shown by default, but can capture/print that portion of the graphic that has the text)				Text locations for roads and hydrography are retained as label points in a separate layer	Text locations for roads and hydrography are retained as label points in a separate layer	Text locations for roads and hydrography are retained as label points in a separate layer						x -- provide access to other DFIRM tables that do not have a geospatial component (e.g. list of LOMA's)	x -- reports elevation interpreted from cross section x -- reports if point is in or outside of floodway			Lowest adjacent grade in NGVD29 Lowest lot elevation in NGVD29	
	Other characteristics of products																			
	Form	FIRM: paper map FIRMscan: digital scan of FIRM	web-based computer display of part of a FIRMscan that includes the FIRM's title block, scale bar, and north arrow	FIRM index: paper map FIRM(index)scan: digital scan of FIRM index	web-based computer display of part of a FIRM(index)scan that includes the FIRM index title block and north arrow	Flood study	GIS data of information on FIRM	national composition of DFIRM data that have been "harmonized" (converted to common horizontal coordinate system).	national composition of DFIRM data that have been "harmonized" (converted to common horizontal coordinate system).	web-based computer display of the National Flood Hazard Layer.	web-based computer display of the National Flood Hazard Layer.	print from web-based computer display of the National Flood Hazard Layer.	Georeferenced map image files	standalone computer display of DFIRM data	standalone computer display of DFIRM data	print from standalone computer display of DFIRM data	response to a query in the form of a coordinate position	Letter	Letter and form	LOMR: paper and electronic (PDF) form and associated map(s)
	Coverage	Map panel; flood hazard information is available only for the part of the panel covered by a flood study	Portion of a FIRM panel	Community or group of communities (e.g. for countywide studies)	Portion of a FIRM index	Flood study	Nationwide	Nationwide	Nationwide	All or part of the National Flood Hazard Layer (different levels of information available at different view scales)	All or part of the National Flood Hazard Layer (different levels of information available at different view scales)	All or part of the National Flood Hazard Layer (different levels of information available at different view scales)	All or part of the National Flood Hazard Layer (different levels of information available at different view scales)	Flood study	Flood study	Flood study	Nationwide	Individual structure	One or more structures or parcels	Part of one or more FIRMs
	Projection	various (UTM preferred)	various (UTM preferred)	not stated	not stated	various (UTM preferred)	geographic	geographic	geographic	geographic	geographic	geographic	geographic	various (UTM preferred)	various (UTM preferred)	various (UTM preferred)	geographic	n/a	n/a	various (from parent FIRM)
	Scale	one of three fixed scales	Can view at various zoom levels; FIRMette is printed at the scale of the parent FIRM	variable and not stated	Can view at various zoom levels; FIRM(index)ette is printed at the scale of the parent FIRM index	Not applicable. Data have (varying) accuracies which would set a lower limit of advisable scales for derived maps.	Not applicable. Data have (varying) accuracies which would set a lower limit of advisable scales for derived maps.	Not applicable. Data have (varying) accuracies which would set a lower limit of advisable scales for derived maps.	Not applicable. Data have (varying) accuracies which would set a lower limit of advisable scales for derived maps.	Can view at various zoom levels.	Can view at various zoom levels.	Can view at various zoom levels.	Can view at various zoom levels.	Can view at various zoom levels.	Can view at various zoom levels.	Can view at various zoom levels.	n/a	n/a	n/a	one of three fixed scales (from parent FIRM)
	Bar scale	yes	yes	no	no	no	no	no	no	yes	yes	yes		no, although representative fraction is reported	no, although representative fraction is reported	yes	n/a	n/a	n/a	yes
	North arrow and orientation	yes; grid north	yes; grid north	yes	yes	no; orientation to grid north inherent in the coordinate system	no; orientation to geographic north inherent in the coordinate system	no; orientation to geographic north inherent in the coordinate system	no; orientation to geographic north inherent in the coordinate system	no; oriented to geographic north	no; oriented to geographic north	yes; geographic north	no; oriented to geographic north	no; grid north	no; grid north	no; grid north	n/a	n/a	n/a	yes (same as parent FIRM (presumed))
	Base map	fixed and integral	fixed and integral	fixed and integral	fixed and integral	Vector base map data and orthoimagery used for the FIRM. Label points also might be included	Vector base map data from DFIRM.	Vector base map data from DFIRM.	Vector base map data from DFIRM.	Variable. Choices are base map used on FIRM (where FIRM uses a vector base), orthophotos (Terraserver), USGS shaded relief, and vector base data provided through the viewer	Variable. Choices are base map used on FIRM (where FIRM uses a vector base), orthophotos (Terraserver), USGS shaded relief, and vector base data provided through the viewer	Variable. Choices are base map used on FIRM (where FIRM uses a vector base), orthophotos (Terraserver), USGS shaded relief, and vector base data provided through the viewer	Vector base map data from DFIRM.	Vector base map data and orthoimagery used for the FIRM. Label points also might be included. User can add own data layers.	Vector base map data and orthoimagery used for the FIRM. Label points also might be included. User can add own data layers.	Vector base map data and orthoimagery used for the FIRM. Label points also might be included. User can add own data layers.	n/a	n/a	n/a	fixed and integral (from parent FIRM) Corporate limits can be changed (although changes are not always made for LOMRs) *
	Horizontal datum	various (NAD83 preferred)	various (NAD83 preferred)	not stated	not stated	various (NAD83 preferred)	fixed at NAD 83	fixed at NAD 83	fixed at NAD 83	fixed at NAD 83	various (NAD83 preferred)	various (NAD83 preferred)	various (NAD83 preferred)	not specified for query; National Flood Hazard Layer is in NAD 83	n/a	yes (see above)	various (from parent FIRM)			
	Vertical datum	various	various	x -- sometimes (although it might have been a mistake)	x -- sometimes (although it might have been a mistake)	various	various	various	various	various (not identified)	various (identified through queries)	various (not identified)	various	various	various	various	n/a	n/a	NGVD29 (see above)	various (from parent FIRM)
	Tool restrictions	F-MIT restricted to one-color maps	F-MIT restricted to one-color maps																	
Other	Info source (in addition to viewing examples)	* -- from G&S Appendix K	* -- from G&S Appendix K	* -- from G&S Appendix K	* -- from G&S Appendix K	interviewed Kathryn Field	interviewed Kathryn Field and Jerod Sperry	interviewed Kathryn Field and Jerod Sperry					Can be viewed in various viewer and GIS software. These software may have additional capabilities and data available.	Documentation that comes with viewer Viewer can become unstable	Documentation that comes with viewer Viewer can become unstable	Documentation that comes with viewer Viewer can become unstable	Information from CR 10250	from Appendix C of Document Control Procedures Manual	from Appendix C of Document Control Procedures Manual	* -- from G&S Volume 2

Information element \ Product	Modernized NFIP maps and FIRMscan (assumed to be the same as the maps) (including display with F-MIT)	FIRMette (from modernized NFIP maps) (online and with F-MIT)	Digital Flood Insurance Rate Map (DFIRM) data (DFIRM databases and National Flood Hazard Layer)	Upgraded National Flood Hazard Layer (as new LOMRs are integrated with existing data and LOMA points are added)	National Flood Hazard Layer viewer (map and query)	National Flood Hazard Layer viewer (printed map only)	Standalone DFIRM viewer (map and query, including opening associated tables)	Standalone DFIRM viewer (printed "point location map")
Community information	Complete	Complete	Complete	Complete	Complete; need to convert numeric FIPS codes to text	Incomplete; data are available but some are not printed	Complete	Complete
Map, panel, and LOMC identification	Incomplete; requires the additional use of LOMCs	Incomplete; requires the additional use of LOMCs and creative use of the tool	Incomplete; requires the additional use of LOMCs	Complete (incorporates LOMRs and provides access to LOMAs)	Incomplete; requires the additional use of LOMCs	Incomplete; data are available but some are not printed and requires additional use of LOMCs	Incomplete; requires the additional use of LOMCs	Incomplete; requires the additional use of LOMCs
FIRM index	Complete	Incomplete; requires creative use of the tool	Contains information found on index	Contains information found on index	Incomplete; data are available but some are not displayed	Incomplete; data are available but some are not printed	Contains information found on index	No
SFHA, CBRS, and OPA zones	Complete	Complete	Complete; map legend not applicable	Complete; map legend not applicable	Complete	Incomplete; data are available but some are not printed	Complete	Complete
BFEs and flood depths	Complete	Complete	Complete	Complete	Complete	Incomplete; data are available but some are not printed	Complete	Complete
Vertical datum	Complete	Incomplete; requires creative use of the tool	Complete	Complete	Complete	Incomplete; data are available but some are not printed	Complete	Complete
Base map	Complete. Requires additional effort to obtain coordinates or measurements	Complete. Requires additional effort to obtain coordinates or measurements	Complete. Requires additional effort to obtain coordinates or measurements	Incomplete; requires additional service to provide orthoimagery. Requires additional effort to obtain coordinates or measurements	Incomplete; requires additional service to provide orthoimagery, data are available but some are not displayed, and no coordinate readout or measurement capability	Incomplete; requires additional service to provide orthoimagery and data are available but some are not printed. Requires additional effort to obtain coordinates or measurements	Complete. Requires additional effort to convert coordinates to longitude and latitude.	Complete. Requires additional effort to obtain coordinates or measurements
Recommendations and comments regarding "official use" of the item.	Mature product eligible for official use. Enhance F-MIT tool to handle two-color FIRMscan files.	Mature product eligible for official use. "Creative use of the tool" entails capturing areas of the image other than the map body.	DFIRM data are a mature product eligible for official use with approval of the "Digital as Official" policy. Edgejoin DFIRM databases in production. Distribute NFHL data.	DFIRM, LOMR, and LOMA data are mature products eligible for official use with approval of the "Digital as Official" policy. Distribute NFHL data. Complete enhancement of adding LOMC data.	DFIRM data are a mature product eligible for official use with approval of the "Digital as Official" policy, but some data fields are not accessible. Upgrade query capability to provide access to information needed to complete FEMA application forms. Provide imagery base map data. Provide for display and query of LOMA data. Approve viewer for official use.	DFIRM data are a mature product eligible for official use with approval of the "Digital as Official" policy, but some data fields are not accessible. Upgrade print capability to print a map image and related information needed to complete FEMA application forms and approve output for official use. Provide imagery base map data.	DFIRM data are a mature product eligible for official use with approval of the "Digital as Official" policy. Approve viewer for official use.	DFIRM data are a mature product eligible for official use with approval of the "Digital as Official" policy. Enhance print capability and approve output for official use.