

FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 1 OF 7



SAN BERNARDINO COUNTY, CALIFORNIA AND INCORPORATED AREAS

COMMUNITY NAME	NUMBER	COMMUNITY NAME	NUMBER
ADELANTO, CITY OF	060639	NEEDLES, CITY OF	060277
APPLE VALLEY, TOWN OF	060752	ONTARIO, CITY OF	060278
BARSTOW, CITY OF	060271	RANCHO CUCAMONGA, CITY OF	060671
BIG BEAR LAKE, CITY OF	060731	REDLANDS, CITY OF	060279
CHINO, CITY OF	060272	RIALTO, CITY OF	060280
CHINO HILLS, CITY OF	060754	SAN BERNARDINO, CITY OF	060281
COLTON, CITY OF	060273	SAN BERNARDINO COUNTY, UNINCORPORATED AREAS	060270
FONTANA, CITY OF	060274	TWENTYNINE PALMS, CITY OF	060734
GRAND TERRACE, CITY OF	060737	UPLAND, CITY OF	065067
HESPERIA, CITY OF	060733	VICTORVILLE, CITY OF	065068
HIGHLAND, CITY OF	060732	YUCAIPA, CITY OF	060739
LOMA LINDA, CITY OF	065042	YUCCA VALLEY, TOWN OF	060750
MONTCLAIR, CITY OF	060276		

TRIBAL NATION**	TRIBAL NATION**	TRIBAL NATION**
CHEMEHUEVI INDIAN TRIBE	FORT MOJAVE INDIAN TRIBE (060743)	TWENTY-NINE PALMS BAND OF MISSION INDIANS
COLORADO RIVER INDIAN TRIBE (060069)	SAN MANUEL BAND OF MISSION INDIANS	

**Federally Recognized Tribal Nations

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October 30, 2025

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FEMA

TABLE OF CONTENTS

Volume 1

	<u>Page</u>
SECTION 1.0 – INTRODUCTION	1
1.1 The National Flood Insurance Program	1
1.2 Purpose of this Flood Insurance Study Report	2
1.3 Jurisdictions Included in the Flood Insurance Study Project	2
1.4 Considerations for using this Flood Insurance Study Report	12
SECTION 2.0 – FLOODPLAIN MANAGEMENT APPLICATIONS	42
2.1 Floodplain Boundaries	42
2.2 Floodways	60
2.3 Base Flood Elevations	61
2.4 Non-Encroachment Zones	61
2.5 Coastal Flood Hazard Areas	61
2.5.1 Water Elevations and the Effects of Waves	61
2.5.2 Floodplain Boundaries and BFEs for Coastal Areas	62
2.5.3 Coastal High Hazard Areas	62
2.5.4 Limit of Moderate Wave Action	62
SECTION 3.0 – INSURANCE APPLICATIONS	62
3.1 National Flood Insurance Program Insurance Zones	62
SECTION 4.0 – AREA STUDIED	63
4.1 Basin Description	63
4.2 Principal Flood Problems	65
4.3 Dams and Other Flood Hazard Reduction Measures	67
4.4 Levee Systems	71

Volume 2

SECTION 5.0 – ENGINEERING METHODS	89
5.1 Hydrologic Analyses	89
5.2 Hydraulic Analyses	120
5.3 Coastal Analyses	147
5.3.1 Total Stillwater Elevations	147
5.3.2 Waves	147
5.3.3 Coastal Erosion	147
5.3.4 Wave Hazard Analyses	147
5.4 Alluvial Fan Analyses	147
SECTION 6.0 – MAPPING METHODS	148
6.1 Vertical and Horizontal Control	148
6.2 Base Map	150
6.3 Floodplain and Floodway Delineation	152

Volume 3

6.4	Coastal Flood Hazard Mapping	194
6.5	FIRM Revisions	194
6.5.1	Letters of Map Amendment	194
6.5.2	Letters of Map Revision Based on Fill	194
6.5.3	Letters of Map Revision	195
6.5.4	Physical Map Revisions	195
6.5.5	Contracted Restudies	196
6.5.6	Community Map History	196
SECTION 7.0 – CONTRACTED STUDIES AND COMMUNITY COORDINATION		200
7.1	Contracted Studies	200
7.2	Community Meetings	211
SECTION 8.0 – ADDITIONAL INFORMATION		216
SECTION 9.0 – BIBLIOGRAPHY AND REFERENCES		218

Volume 1

Figures

	<u>Page</u>
Figure 1: FIRM Index	14
Figure 2: FIRM Notes to Users	35
Figure 3: Map Legend for FIRM	38
Figure 4: Floodway Schematic	60
Figure 5: Wave Runup Transect Schematic	62
Figure 6: Coastal Transect Schematic	62

Volume 2

Figures

Figure 7: Frequency Discharge-Drainage Area Curves	117
Figure 8: 1% Annual Chance Total Stillwater Elevations for Coastal Areas	147
Figure 9: Transect Location Map	147

Volume 1

Tables

	Page
Table 1: Listing of NFIP Jurisdictions	3
Table 2: Flooding Sources Included in this FIS Report	44
Table 3: Flood Zone Designations by Community	62
Table 4: Basin Characteristics	63
Table 5: Principal Flood Problems	65
Table 6: Historic Flooding Elevations	67
Table 7: Dams and Other Flood Hazard Reduction Measures	67
Table 8: Levee Systems	73

Volume 2

Tables

Table 9: Summary of Discharges	90
Table 10: Summary of Non-Coastal Stillwater Elevations	117
Table 11: Stream Gage Information used to Determine Discharges	118
Table 12: Summary of Hydrologic and Hydraulic Analyses	121
Table 13: Roughness Coefficients	145
Table 14: Summary of Coastal Analyses	147
Table 15: Tide Gage Analysis Specifics	147
Table 16: Coastal Transect Parameter	147
Table 17: Summary of Alluvial Fan Analyses	147
Table 18: Results of Alluvial Fan Analyses	147
Table 19: Countywide Vertical Datum Conversion	148
Table 20: Stream-Based Vertical Datum Conversion	149
Table 21: Base Map Sources	150
Table 22: Summary of Topographic Elevation Data used in Mapping	153
Table 23: Floodway Data	154

Volume 3

Tables

Table 23: Floodway Data (continued)	172
Table 24: Flood Hazard and Non-Encroachment Data for Selected Streams	194
Table 25: Summary of Coastal Transect Mapping Considerations	194
Table 26: Incorporated Letters of Map Change	195
Table 27: Community Map History	197
Table 28: Summary of Contracted Studies Included in this FIS Report	201
Table 29: Community Meetings	212
Table 30: Map Repositories	216
Table 31: Additional Information	218
Table 32: Bibliography and References	219

Volume 3

Exhibits

Flood Profiles	<u>Panel</u>
11th Street Storm Drain	01P-04P
Antelope Valley Wash	05P-09P
Armory Creek	10P-11P
Arrowhead Channel	12P-13P

Volume 4

Exhibits

Flood Profiles	<u>Panel</u>
Cable Creek	14P-21P
Cable Creek Channel	22P
Cajon Wash	23P-27P
Carbon Canyon Creek	28P-30P
Chicken Springs Creek	31P-38P
Chino Creek	39P-40P
City Creek	41P-44P
Del Rosa Channel	45P-54P
Desert Knolls Wash	55P-58P
Devil Creek (With Levee)	59P-64P
Devil Creek (Without Levee)	65P-70P
East Adelanto Channel	71P
East Rialto Storm Drain	72P-73P
Etiwanda/San Sevaine System	74P-80P
Grout Creek	81P
Highgrove Channel	82P-84P
Hook Creek	85P-90P
Houston Creek	91P-93P
Joshua Tree Creek	94P-96P
Kuffel Canyon Creek	97P
Lenwood Creek	98P-100P

Volume 5

Exhibits

Flood Profiles	<u>Panel</u>
Little Mountain Channel-Devil Creek- Western Avenue Storm Drain	101P-106P
Little Sand Creek	107P-112P
Lytle Creek	113P-128P
Lytle Creek (East Branch)	129P-133P
Lytle Creek - South Fork Lytle Creek	134P-135P
Lytle Creek Left Split	136P-139P
Middle Fork Lytle Creek	140P-141P
Mill Creek Downstream	142P-145P
Mill Creek Upstream	146P-157P
Mojave River (At Barstow)	158P-167P
Mojave River (At Hesperia and Apple Valley)	168P-169P
Mojave River (Below Victorville)(With Levee)	170P-172P
Mojave River (Below Victorville) (Without Levee)	173P-175P
Mojave River (Below Victorville)	176P-189P

Volume 6

Exhibits

Flood Profiles	<u>Panel</u>
Mojave River (Upper Narrows)	190P-192P
North Fork Lytle Creek	193P-201P
Oak Glen Creek	202P
Pinyon Creek	203P-205P
Quail Wash	206P-212P
Rathbun Creek	213P-219P
Reche Canyon Channel	220P-223P
Reche Canyon Channel (With Levee)	224P
Reche Canyon Channel (Without Levee)	225P
San Timoteo Creek	226P
Sand Creek	227P-229P
Santa Ana River	230P-245P
Santa Ana River (With Levee)	246P-247P
Soapmine Creek	248P-250P
Southwest Barstow Channel A	251P-256P
Sycamore Creek	257P
The Zanja	258P-261P

Volume 6 (continued)

Exhibits

Flood Profiles	<u>Panel</u>
Twentynine Palms Channel	262P-268P
Twentynine Palms Channel (Without Left Levee Intact)	269P
Twin Creek Channel	270P-271P
Twin Creek Channel (With Levees)	272P
Warm Creek	273P-276P

Volume 7

Exhibits

Flood Profiles	<u>Panel</u>
Waterman Canyon	277P-282P
West Fontana Channel	283P
Wildwood Channel	284P-296P
Wilson Creek	297P-307P
Yermo Flood Channel	308P-312P
Yucaipa Creek	313P-325P
Yucca Creek (At Joshua Tree)	326P-335P
Yucca Creek (At Yucca Valley)	336P-339P

Published Separately

Flood Insurance Rate Map (FIRM)

FLOOD INSURANCE STUDY REPORT SAN BERNARDINO COUNTY, CALIFORNIA

SECTION 1.0 – INTRODUCTION

1.1 The National Flood Insurance Program

The National Flood Insurance Program (NFIP) is a voluntary Federal program that enables property owners in participating communities to purchase insurance protection against losses from flooding. This insurance is designed to provide an alternative to disaster assistance to meet the escalating costs of repairing damage to buildings and their contents caused by floods.

For decades, the national response to flood disasters was generally limited to constructing flood-control works such as dams, levees, sea-walls, and the like, and providing disaster relief to flood victims. This approach did not reduce losses nor did it discourage unwise development. In some instances, it may have actually encouraged additional development. To compound the problem, the public generally could not buy flood coverage from insurance companies, and building techniques to reduce flood damage were often overlooked.

In the face of mounting flood losses and escalating costs of disaster relief to the general taxpayers, the U.S. Congress created the NFIP. The intent was to reduce future flood damage through community floodplain management ordinances, and provide protection for property owners against potential losses through an insurance mechanism that requires a premium to be paid for the protection.

The U.S. Congress established the NFIP on August 1, 1968, with the passage of the National Flood Insurance Act of 1968. The NFIP was broadened and modified with the passage of the Flood Disaster Protection Act of 1973 and other legislative measures. It was further modified by the National Flood Insurance Reform Act of 1994 and the Flood Insurance Reform Act of 2004. The NFIP is administered by the Federal Emergency Management Agency (FEMA), which is a component of the Department of Homeland Security (DHS).

Participation in the NFIP is based on an agreement between local communities and the Federal Government. If a community adopts and enforces floodplain management regulations to reduce future flood risks to new construction and substantially improved structures in Special Flood Hazard Areas (SFHAs), the Federal Government will make flood insurance available within the community as a financial protection against flood losses. The community's floodplain management regulations must meet or exceed criteria established in accordance with Title 44 Code of Federal Regulations (CFR) Part 60, *Criteria for Land Management and Use*.

SFHAs are delineated on the community's Flood Insurance Rate Maps (FIRMs). Under the NFIP, buildings that were built before the flood hazard was identified on the community's FIRMs are generally referred to as "Pre-FIRM" buildings. When the NFIP was created, the U.S. Congress recognized that insurance for Pre-FIRM buildings would be prohibitively expensive if the premiums were not subsidized by the Federal Government. Congress also recognized that most of these floodprone buildings were built

by individuals who did not have sufficient knowledge of the flood hazard to make informed decisions. The NFIP requires that full actuarial rates reflecting the complete flood risk be charged on all buildings constructed or substantially improved on or after the effective date of the initial FIRM for the community or after December 31, 1974, whichever is later. These buildings are generally referred to as “Post-FIRM” buildings.

1.2 Purpose of this Flood Insurance Study Report

This Flood Insurance Study (FIS) Report revises and updates information on the existence and severity of flood hazards for the study area. The studies described in this report developed flood hazard data that will be used to establish actuarial flood insurance rates and to assist communities in efforts to implement sound floodplain management.

In some states or communities, floodplain management criteria or regulations may exist that are more restrictive than the minimum Federal requirements. Contact your State NFIP Coordinator to ensure that any higher State standards are included in the community’s regulations.

1.3 Jurisdictions Included in the Flood Insurance Study Project

This FIS Report covers the entire geographic area of San Bernardino County, California.

The jurisdictions that are included in this project area, along with the Community Identification Number (CID) for each community and the United States Geological Survey (USGS) 8-digit Hydrologic Unit Code (HUC-8) sub-basins affecting each, are shown in Table 1. The FIRM panel numbers that affect each community are listed. If the flood hazard data for the community is not included in this FIS Report, the location of that data is identified.

Table 1: Listing of NFIP Jurisdictions

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Adelanto, City of	060639	18090208	06071C5125H ¹ , 06071C5150J, 06071C5775H ¹ , 06071C5780H, 06071C5785H, 06071C5790H, 06071C5795H, 06071C5805H, 06071C5815H	
Apple Valley, Town of	060752	18090208	06071C5175H ¹ , 06071C5810H, 06071C5820J, 06071C5830H ¹ , 06071C5835H ¹ , 06071C5840H, 06071C5845H, 06071C6485J, 06071C6505J, 06071C6510H ¹ , 06071C6515J, 06071C6520H ¹	
Barstow, City of	060271	18090208	06071C3895H ¹ , 06071C3915J, 06071C3917H, 06071C3918J, 06071C3919H, 06071C3936H, 06071C3937H ¹ , 06071C3938H, 06071C3939H, 06071C3943H, 06071C4507H, 06071C4509H, 06071C4526H, 06071C4527H, 06071C4528H, 06071C4529H, 06071C4531H ¹ , 06071C4532H, 06071C4540H ¹ , 06071C4551H, 06071C4552H ¹	
Big Bear Lake, City of	060731	18070203	06071C7290H, 06071C7295H, 06071C7315H, 06071C8005H, 06071C8007H, 06071C8010H, 06071C8026H, 06071C8030H ¹	
Chino, City of	060272	18070203	06071C8615H, 06071C8616H, 06071C8620H, 06071C9330H, 06071C9335J, 06071C9345J, 06071C9375J	
Chino Hills, City of	060754	18070106, 18070203	06071C8600J ¹ , 06071C8615H, 06071C9325J ¹ , 06071C9330H, 06071C9335J, 06071C9340H ¹ , 06071C9345J, 06071C9400H ¹	
Colorado River Indian Tribes	060069	15030104	06071C7825H ¹ , 06071C7850H, 06071C8525H ¹ , 06071C8550H, 06071C8575H, 06071C9275H, 06071C9300H	
Colton, City of	060273	18070203	06071C8677J, 06071C8678J, 06071C8679J, 06071C8683J, 06071C8686J, 06071C8687J, 06071C8688J, 06071C8689J, 06071C8691J, 06071C8692H, 06071C8693H, 06071C8694H	

¹ Panel Not Printed

Table 1: Listing of NFIP Jurisdictions (continued)

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Fontana, City of	060274	18070203	06071C7895J, 06071C7915H, 06071C7920H, 06071C8634J, 06071C8635J, 06071C8642J, 06071C8651H, 06071C8652H, 06071C8653J, 06071C8654H, 06071C8656H ¹ , 06071C8657H ¹ , 06071C8658H, 06071C8659H ¹ , 06071C8665H ¹ , 06071C8666H, 06071C8667H ¹	
Fort Mojave Indian Tribe	060743	15030101, 15030102	06071C3775H, 06071C4400H	
Grand Terrace, City of	060737	18070203	06071C8687J, 06071C8689J, 06071C8691J, 06071C8693H	
Hesperia, City of	060733	18090208	06071C6475H ¹ , 06071C6480H, 06071C6485J, 06071C6490H ¹ , 06071C6495H, 06071C6505J, 06071C6515J, 06071C7180J ¹ , 06071C7185H ¹ , 06071C7195H ¹ , 06071C7225H, 06071C7230H ¹	
Highland, City of	060732	18070203	06071C7944H, 06071C7963H, 06071C7965H, 06071C7970H ¹ , 06071C8682J, 06071C8701J, 06071C8702H, 06071C8706H, 06071C8707J, 06071C8709K, 06071C8726H, 06071C8727K ¹ , 06071C8728K, 06071C8729K, 06071C8735H	
Loma Linda, City of	065042	18070203	06071C8684J, 06071C8691J, 06071C8692H, 06071C8694H, 06071C8703K, 06071C8711J, 06071C8713H ¹	
Montclair, City of	060276	18070203	06071C8605H ¹ , 06071C8606H ¹ , 06071C8608H, 06071C8615H, 06071C8616H	
Needles, City of	060277	15030101, 15030102	06071C4400H, 06071C5010H, 06071C5020H, 06071C5030J, 06071C5050H, 06071C5660H ¹ , 06071C5680H ¹	

¹ Panel Not Printed

Table 1: Listing of NFIP Jurisdictions (continued)

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Ontario, City of	060278	18070203	06071C8608H, 06071C8609J, 06071C8616H, 06071C8617J, 06071C8620H, 06071C8628J, 06071C8629H, 06071C8633J, 06071C8634J, 06071C8636J, 06071C8637J, 06071C8638H, 06071C8639J, 06071C8641J, 06071C8642J, 06071C8643H ¹ , 06071C9335J, 06071C9375J	
Rancho Cucamonga, City of	060671	18070203	06071C7870J, 06071C7890J, 06071C7895J, 06071C7915H, 06071C8607H, 06071C8609J, 06071C8628J, 06071C8629H, 06071C8630J, 06071C8633J, 06071C8634J, 06071C8635J	
Redlands, City of	060279	18070203	06071C8701J, 06071C8702H, 06071C8703K, 06071C8704J, 06071C8706H, 06071C8707J, 06071C8708J, 06071C8709K, 06071C8711J, 06071C8712J, 06071C8713H ¹ , 06071C8714H, 06071C8716J, 06071C8717J, 06071C8718H, 06071C8719H ¹ , 06071C8728K, 06071C8729K, 06071C8735H, 06071C8737J, 06071C8738J	
Rialto, City of	060280	18070203	06071C7920H, 06071C7940J, 06071C8656H ¹ , 06071C8657H ¹ , 06071C8659H ¹ , 06071C8667H ¹ , 06071C8676J, 06071C8677J, 06071C8678J, 06071C8686J, 06071C8688J	
San Bernardino, City of	060281	18070203	06071C7905H, 06071C7910H, 06071C7920H, 06071C7930J, 06071C7933H, 06071C7935H, 06071C7940J, 06071C7942H, 06071C7944H, 06071C7945H, 06071C7961H, 06071C7963H, 06071C7965H, 06071C7970H ¹ , 06071C8676J, 06071C8677J, 06071C8678J, 06071C8679J, 06071C8681J, 06071C8682J, 06071C8683J, 06071C8684J, 06071C8691J, 06071C8692H, 06071C8701J, 06071C8702H, 06071C8703K	

¹ Panel Not Printed

Table 1: Listing of NFIP Jurisdictions (continued)

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
San Bernardino County, Unincorporated Areas	060270	15030101, 15030102, 15030104, 16060015, 18070106, 18070203, 18090202, 18090203, 18090204, 18090205, 18090206, 18090207, 18090208, 18100100, 18100201	06071C0075H, 06071C0100H, 06071C0175H ¹ , 06071C0200H ¹ , 06071C0225H ¹ , 06071C0250H ¹ , 06071C0275H ¹ , 06071C0300H ¹ , 06071C0325H ¹ , 06071C0350H ¹ , 06071C0375H ¹ , 06071C0400H ¹ , 06071C0425H ¹ , 06071C0450H ¹ , 06071C0475H ¹ , 06071C0500H ¹ , 06071C0525H, 06071C0550H ¹ , 06071C0625H ¹ , 06071C0650H ¹ , 06071C0675H ¹ , 06071C0700H ¹ , 06071C0725H ¹ , 06071C0750H ¹ , 06071C0775H ¹ , 06071C0800H ¹ , 06071C0825H ¹ , 06071C0850H ¹ , 06071C0875H ¹ , 06071C0900H ¹ , 06071C0925H ¹ , 06071C0950H ¹ , 06071C0975H ¹ , 06071C1000H ¹ , 06071C1025H ¹ , 06071C1200H ¹ , 06071C1225H ¹ , 06071C1250H ¹ , 06071C1275H ¹ , 06071C1300H ¹ , 06071C1325H ¹ , 06071C1350H ¹ , 06071C1375H ¹ , 06071C1400H ¹ , 06071C1425H ¹ , 06071C1450H ¹ , 06071C1475H ¹ , 06071C1500H ¹ , 06071C1525H ¹ , 06071C1725H ¹ , 06071C1744H, 06071C1750H ¹ , 06071C1763H, 06071C1775H ¹ , 06071C1800H ¹ , 06071C1825H ¹ , 06071C1850H ¹ , 06071C1875H ¹ , 06071C1900H ¹ , 06071C1925H ¹ , 06071C1950H ¹ , 06071C1975H ¹ , 06071C2000H ¹ , 06071C2025H ¹ , 06071C2050H ¹ , 06071C2075H ¹ , 06071C2100H ¹ , 06071C2125H ¹ , 06071C2150H ¹ , 06071C2175H ¹ , 06071C2250H ¹ , 06071C2275H ¹ , 06071C2300H, 06071C2325H, 06071C2350H ¹ , 06071C2375H ¹ , 06071C2400H ¹ , 06071C2425H ¹ , 06071C2450H ¹ , 06071C2475H ¹ , 06071C2500H ¹ , 06071C2525H ¹ , 06071C2550H ¹ , 06071C2575H ¹ , 06071C2600H ¹ , 06071C2625H ¹ , 06071C2650H ¹ , 06071C2675H ¹ , 06071C2700H ¹ , 06071C2725H ¹ , 06071C2750H ¹ , 06071C2775H ¹ , 06071C2800H ¹ , 06071C2825H ¹ , 06071C2850H ¹ , 06071C2875H ¹ , 06071C2900H, 06071C2925H ¹ , 06071C2950H ¹	

¹ Panel Not Printed

Table 1: Listing of NFIP Jurisdictions (continued)

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
San Bernardino County, Unincorporated Areas (continued)	060270	15030101, 15030102, 15030104, 16060015, 18070106, 18070203, 18090202, 18090203, 18090204, 18090205, 18090206, 18090207, 18090208, 18100100, 18100201	06071C2975H ¹ , 06071C3000H ¹ , 06071C3025H ¹ , 06071C3050H ¹ , 06071C3075H ¹ , 06071C3100H ¹ , 06071C3125H ¹ , 06071C3150H ¹ , 06071C3175H ¹ , 06071C3200H ¹ , 06071C3225H ¹ , 06071C3250H ¹ , 06071C3275H ¹ , 06071C3300H ¹ , 06071C3325H ¹ , 06071C3350H ¹ , 06071C3375H ¹ , 06071C3400H ¹ , 06071C3425H ¹ , 06071C3450H ¹ , 06071C3475H ¹ , 06071C3480H, 06071C3485H, 06071C3500H ¹ , 06071C3525H ¹ , 06071C3550H ¹ , 06071C3575H ¹ , 06071C3600H ¹ , 06071C3625H ¹ , 06071C3650H ¹ , 06071C3675H ¹ , 06071C3700H ¹ , 06071C3725H ¹ , 06071C3750H ¹ , 06071C3775H, 06071C3800H ¹ , 06071C3825H ¹ , 06071C3850H ¹ , 06071C3875H ¹ , 06071C3895H ¹ , 06071C3900H ¹ , 06071C3905H ¹ , 06071C3910H ¹ , 06071C3915J, 06071C3916H, 06071C3917H, 06071C3918J, 06071C3919H, 06071C3930H ¹ , 06071C3935H ¹ , 06071C3936H, 06071C3937H ¹ , 06071C3938H, 06071C3939H, 06071C3941H ¹ , 06071C3942H ¹ , 06071C3943H, 06071C3944H ¹ , 06071C3975H, 06071C4000H, 06071C4025H, 06071C4050H ¹ , 06071C4075H ¹ , 06071C4100H ¹ , 06071C4125H ¹ , 06071C4150H ¹ , 06071C4175H ¹ , 06071C4200H ¹ , 06071C4225H ¹ , 06071C4250H ¹ , 06071C4275H ¹ , 06071C4300H ¹ , 06071C4325H ¹ , 06071C4350H ¹ , 06071C4375H ¹ , 06071C4400H, 06071C4425H ¹ , 06071C4450H ¹ , 06071C4475H ¹ , 06071C4500J, 06071C4505H ¹ , 06071C4506H ¹ , 06071C4507H, 06071C4508H ¹ , 06071C4509H, 06071C4515H ¹ , 06071C4520H ¹ , 06071C4526H, 06071C4527H, 06071C4528H, 06071C4529H, 06071C4531H ¹ , 06071C4532H, 06071C4533H ¹ , 06071C4534H ¹ , 06071C4540H ¹	

¹ Panel Not Printed

Table 1: Listing of NFIP Jurisdictions (continued)

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
San Bernardino County, Unincorporated Areas (continued)	060270	15030101, 15030102, 15030104, 16060015, 18070106, 18070203, 18090202, 18090203, 18090204, 18090205, 18090206, 18090207, 18090208, 18100100, 18100201	06071C4545H ¹ , 06071C4551H, 06071C4552H ¹ , 06071C4553H ¹ , 06071C4554H ¹ , 06071C4556H, 06071C4557H ¹ , 06071C4558H ¹ , 06071C4559H ¹ , 06071C4565H ¹ , 06071C4570H ¹ , 06071C4600H ¹ , 06071C4625H ¹ , 06071C4650H ¹ , 06071C4675H ¹ , 06071C4700H ¹ , 06071C4725H ¹ , 06071C4750H ¹ , 06071C4775H ¹ , 06071C4800H ¹ , 06071C4825H ¹ , 06071C4850H ¹ , 06071C4875H ¹ , 06071C4900H ¹ , 06071C4925H ¹ , 06071C4950H ¹ , 06071C4975H ¹ , 06071C5000H ¹ , 06071C5010H, 06071C5020H, 06071C5025H ¹ , 06071C5030J, 06071C5050H, 06071C5075H ¹ , 06071C5100H ¹ , 06071C5125H ¹ , 06071C5150J, 06071C5175H ¹ , 06071C5200H ¹ , 06071C5225H ¹ , 06071C5250H ¹ , 06071C5275H ¹ , 06071C5300H ¹ , 06071C5325H ¹ , 06071C5350H ¹ , 06071C5375H ¹ , 06071C5400H ¹ , 06071C5425H ¹ , 06071C5450H ¹ , 06071C5475H ¹ , 06071C5500H ¹ , 06071C5525H ¹ , 06071C5550H ¹ , 06071C5575H ¹ , 06071C5600H ¹ , 06071C5625H ¹ , 06071C5650H ¹ , 06071C5655H ¹ , 06071C5660H ¹ , 06071C5665H ¹ , 06071C5670H ¹ , 06071C5680H ¹ , 06071C5685H, 06071C5690H ¹ , 06071C5695H ¹ , 06071C5705H, 06071C5715H, 06071C5750H ¹ , 06071C5775H ¹ , 06071C5780H, 06071C5785H, 06071C5790H, 06071C5795H, 06071C5805H, 06071C5810H, 06071C5815H, 06071C5820J, 06071C5830H ¹ , 06071C5835H ¹ , 06071C5845H, 06071C5875H ¹ , 06071C5900H ¹ , 06071C5925H ¹ , 06071C5950H ¹ , 06071C5975H ¹ , 06071C6000H ¹ , 06071C6050H ¹ , 06071C6075H ¹ , 06071C6100H ¹ , 06071C6125H ¹ , 06071C6150H ¹ , 06071C6175H ¹ , 06071C6200H ¹ , 06071C6225H ¹ , 06071C6250H ¹ , 06071C6275H ¹	

¹ Panel Not Printed

Table 1: Listing of NFIP Jurisdictions (continued)

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
San Bernardino County, Unincorporated Areas (continued)	060270	15030101, 15030102, 15030104, 16060015, 18070106, 18070203, 18090202, 18090203, 18090204, 18090205, 18090206, 18090207, 18090208, 18100100, 18100201	06071C6300H ¹ , 06071C6325H ¹ , 06071C6330H ¹ , 06071C6335H ¹ , 06071C6340H ¹ , 06071C6345H ¹ , 06071C6355H ¹ , 06071C6360H ¹ , 06071C6365H ¹ , 06071C6370H ¹ , 06071C6400H, 06071C6425H, 06071C6450H, 06071C6475H ¹ , 06071C6480H, 06071C6485J, 06071C6490H ¹ , 06071C6505J, 06071C6510H ¹ , 06071C6515J, 06071C6520H ¹ , 06071C6550H ¹ , 06071C6575H ¹ , 06071C6600H ¹ , 06071C6625H ¹ , 06071C6650H ¹ , 06071C6675H ¹ , 06071C6800H ¹ , 06071C6825H ¹ , 06071C6850H ¹ , 06071C6875H ¹ , 06071C6900H ¹ , 06071C6925H ¹ , 06071C6950H ¹ , 06071C6975H ¹ , 06071C7000H ¹ , 06071C7025H ¹ , 06071C7050H ¹ , 06071C7075H, 06071C7100H, 06071C7125H, 06071C7135H, 06071C7145H ¹ , 06071C7155J, 06071C7160H ¹ , 06071C7165H ¹ , 06071C7170H, 06071C7180J ¹ , 06071C7185H ¹ , 06071C7190H, 06071C7195H ¹ , 06071C7225H, 06071C7230H ¹ , 06071C7235H ¹ , 06071C7240H, 06071C7241H ¹ , 06071C7242H ¹ , 06071C7243H, 06071C7244H, 06071C7275H ¹ , 06071C7280H ¹ , 06071C7285H ¹ , 06071C7290H, 06071C7295H, 06071C7305H ¹ , 06071C7310H ¹ , 06071C7315H, 06071C7320H, 06071C7350H ¹ , 06071C7375H ¹ , 06071C7400H ¹ , 06071C7425H ¹ , 06071C7450H ¹ , 06071C7475H ¹ , 06071C7500H ¹ , 06071C7525H ¹ , 06071C7550H ¹ , 06071C7575H ¹ , 06071C7600H ¹ , 06071C7625H ¹ , 06071C7650H ¹ , 06071C7675H ¹ , 06071C7700H ¹ , 06071C7725H ¹ , 06071C7750H ¹ , 06071C7775H ¹ , 06071C7800H ¹ , 06071C7825H ¹ , 06071C7850H, 06071C7860H, 06071C7870J, 06071C7880H ¹ , 06071C7881H ¹ , 06071C7882H, 06071C7883H ¹ , 06071C7884H ¹	

¹ Panel Not Printed

Table 1: Listing of NFIP Jurisdictions (continued)

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¹ Panel Not Printed

Table 1: Listing of NFIP Jurisdictions (continued)

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Twentynine Palms, City of	060734	18100100	06071C8175H, 06071C8180H ¹ , 06071C8185H ¹ , 06071C8190J, 06071C8195J, 06071C8225H, 06071C8925H ¹ , 06071C8930H, 06071C8935H, 06071C8975H	
Upland, City of	065067	18070203	06071C7865H ¹ , 06071C7870J, 06071C7890J, 06071C8605H ¹ , 06071C8606H ¹ , 06071C8607H, 06071C8608H, 06071C8609J, 06071C8630J	
Victorville, City of	065068	18090208	06071C5125H ¹ , 06071C5150J, 06071C5785H, 06071C5790H, 06071C5795H, 06071C5805H, 06071C5810H, 06071C5815H, 06071C5820J, 06071C6475H ¹ , 06071C6480H, 06071C6485J	
Yucaipa, City of	060739	18070203	06071C8719H ¹ , 06071C8735H, 06071C8736J, 06071C8737J, 06071C8738J, 06071C8739J, 06071C8745H, 06071C8755H, 06071C8765H	
Yucca Valley, Town of	060750	18100100, 18100201	06071C8105H ¹ , 06071C8110H ¹ , 06071C8115H, 06071C8120H, 06071C8140J, 06071C8855H, 06071C8860H, 06071C8880H	

¹ Panel Not Printed

1.4 Considerations for using this Flood Insurance Study Report

The NFIP encourages State and local governments to implement sound floodplain management programs. To assist in this endeavor, each FIS Report provides floodplain data, which may include a combination of the following: 10-, 4-, 2-, 1-, and 0.2-percent annual chance flood elevations (the 1-percent-annual-chance flood elevation is also referred to as the Base Flood Elevation (BFE)); delineations of the 1-percent-annual-chance and 0.2-percent-annual-chance floodplains; and 1-percent-annual-chance floodway. This information is presented on the FIRM and/or in many components of the FIS Report, including Flood Profiles, Floodway Data tables, Summary of Non-Coastal Stillwater Elevations tables, and Coastal Transect Parameters tables (not all components may be provided for a specific FIS).

This section presents important considerations for using the information contained in this FIS Report and the FIRM, including changes in format and content. Figures 1, 2, and 3 present information that applies to using the FIRM with the FIS Report.

- Part or all of this FIS Report may be revised and republished at any time. In addition, part of this FIS Report may be revised by a Letter of Map Revision (LOMR), which does not involve republication or redistribution of the FIS Report. Refer to Section 6.5 of this FIS Report for information about the process to revise the FIS Report and/or FIRM.

It is, therefore, the responsibility of the user to consult with community officials by contacting the community repository to obtain the most current FIS Report components. Communities participating in the NFIP have established repositories of flood hazard data for floodplain management and flood insurance purposes. Community map repository addresses are provided in Table 30, "Map Repositories," within this FIS Report.

- New FIS Reports are frequently developed for multiple communities, such as entire counties. A countywide FIS Report incorporates previous FIS Reports for individual communities and the unincorporated area of the county (if not jurisdictional) into a single document and supersedes those documents for the purposes of the NFIP.

The initial Countywide FIS Report for San Bernardino County became effective on March 18, 1996. Refer to Table 27 for information about subsequent revisions to the FIRMs.

- FEMA does not design, build, inspect, operate, maintain, or certify levees. FEMA is responsible for accurately identifying flood hazards and communicating those hazards and risks to affected stakeholders. FEMA has identified one or more levee systems in this jurisdiction summarized in Table 8 of this FIS Report. For FEMA to accredit the identified levee systems, the levee systems must meet the criteria of the Code of Federal Regulations, Title 44, Section 65.10 (44 CFR 65.10), titled "Mapping of Areas Protected by Levee Systems."

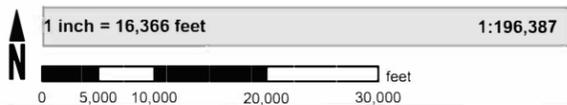
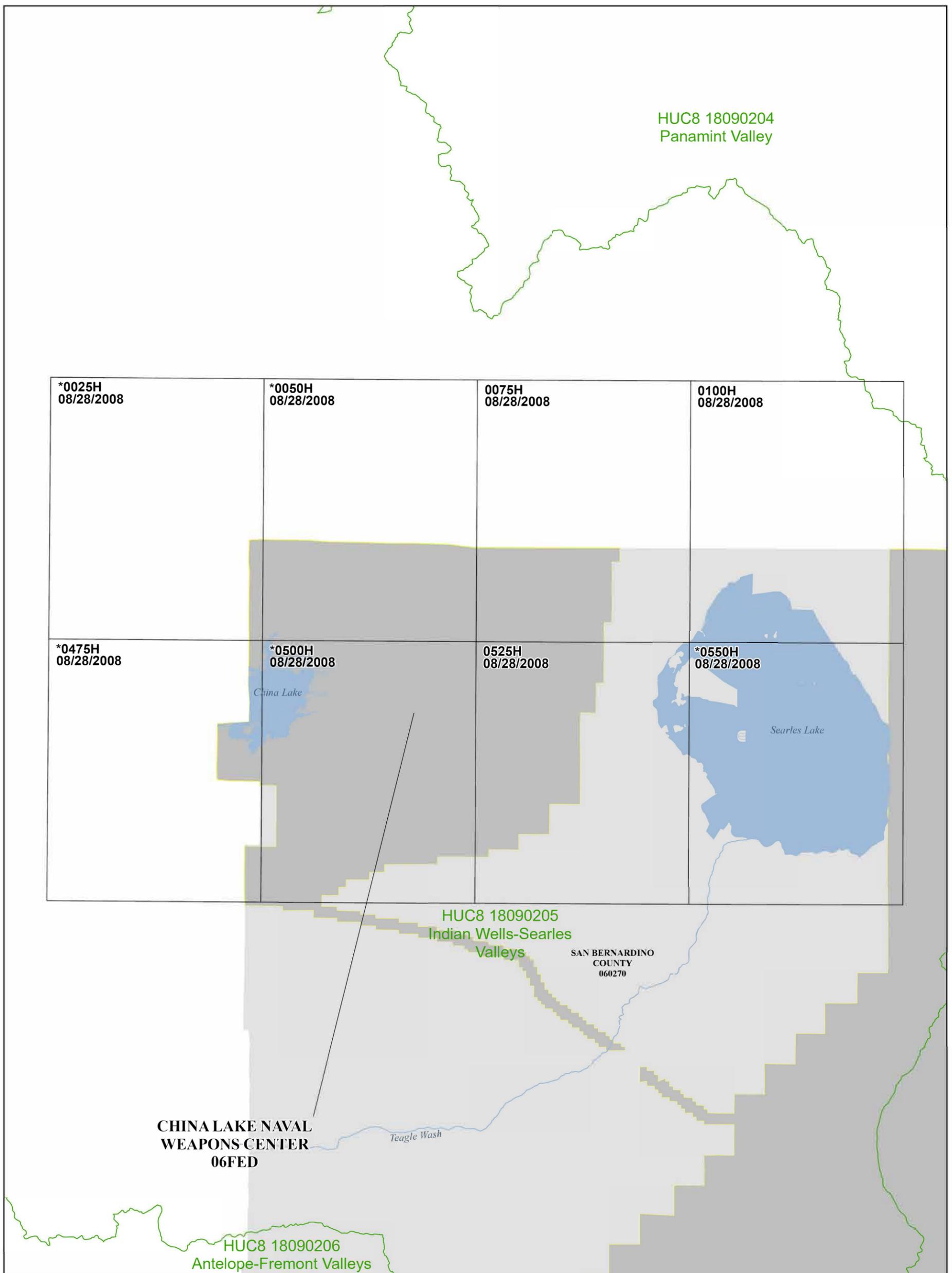
Information on the levee systems in this jurisdiction can be obtained from the USACE National Levee Database (<https://levees.sec.usace.army.mil/>). For additional information, the user should contact the appropriate jurisdiction floodplain administrator and the levee owner or sponsor.

Please also note that FEMA has identified one or more levee systems in this jurisdiction that have not been demonstrated by the community or levee owner to meet the requirements of 44 CFR 65.10, of the NFIP regulations as it relates to the levee system's capacity to provide 1-percent-annual-chance flood hazard reduction. As such, temporary actions are being taken until such time as FEMA is able to initiate a new flood risk project to apply the levee analysis and mapping procedures for non-accredited levee systems, as appropriate. These temporary actions involve using the flood hazard data shown on the previous effective FIRM exactly as shown on that prior FIRM and identifying the area with bounding lines and special map notes. If a vertical datum conversion was executed for the county, then the Base Flood Elevations shown on the FIRM will now reflect elevations referenced to the North American Vertical Datum of 1988 (NAVD88). These levees are on FIRM panel(s) 06071C7930J, 06071C7940J, 06071C8709J, 06071C8730J, on the San Bernardino County Levee/Santa Ana River and Cable Creek and are identified on FIRM panels as potential areas of flood hazard data changes based on further review. Please refer to Section 4.4 of this FIS Report for more information.

- FEMA has developed a *Guide to Flood Maps* (FEMA 258) and online tutorials to assist users in accessing the information contained on the FIRM. These include how to read panels and step-by-step instructions to obtain specific information. To obtain this guide and other assistance in using the FIRM, visit the FEMA Web site at www.fema.gov/flood-maps/tutorials.

The FIRM Index in Figure 1 shows the overall FIRM panel layout within San Bernardino County, and also displays the panel number and effective date for each FIRM panel in the county. Other information shown on the FIRM Index includes community boundaries, flooding sources, watershed boundaries, and USGS HUC-8 codes.

Figure 1: FIRM Index



Map Projection:
NAD 1983 UTM Zone 11N
Vertical Datum: NAVD88

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING
DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT
[HTTPS://MSC.FEMA.GOV](https://MSC.FEMA.GOV)

SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 1 OF 21

PANELS PRINTED:
0075, 0100, 0525



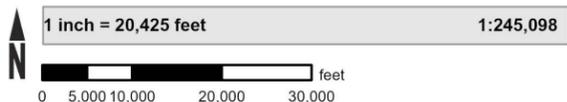
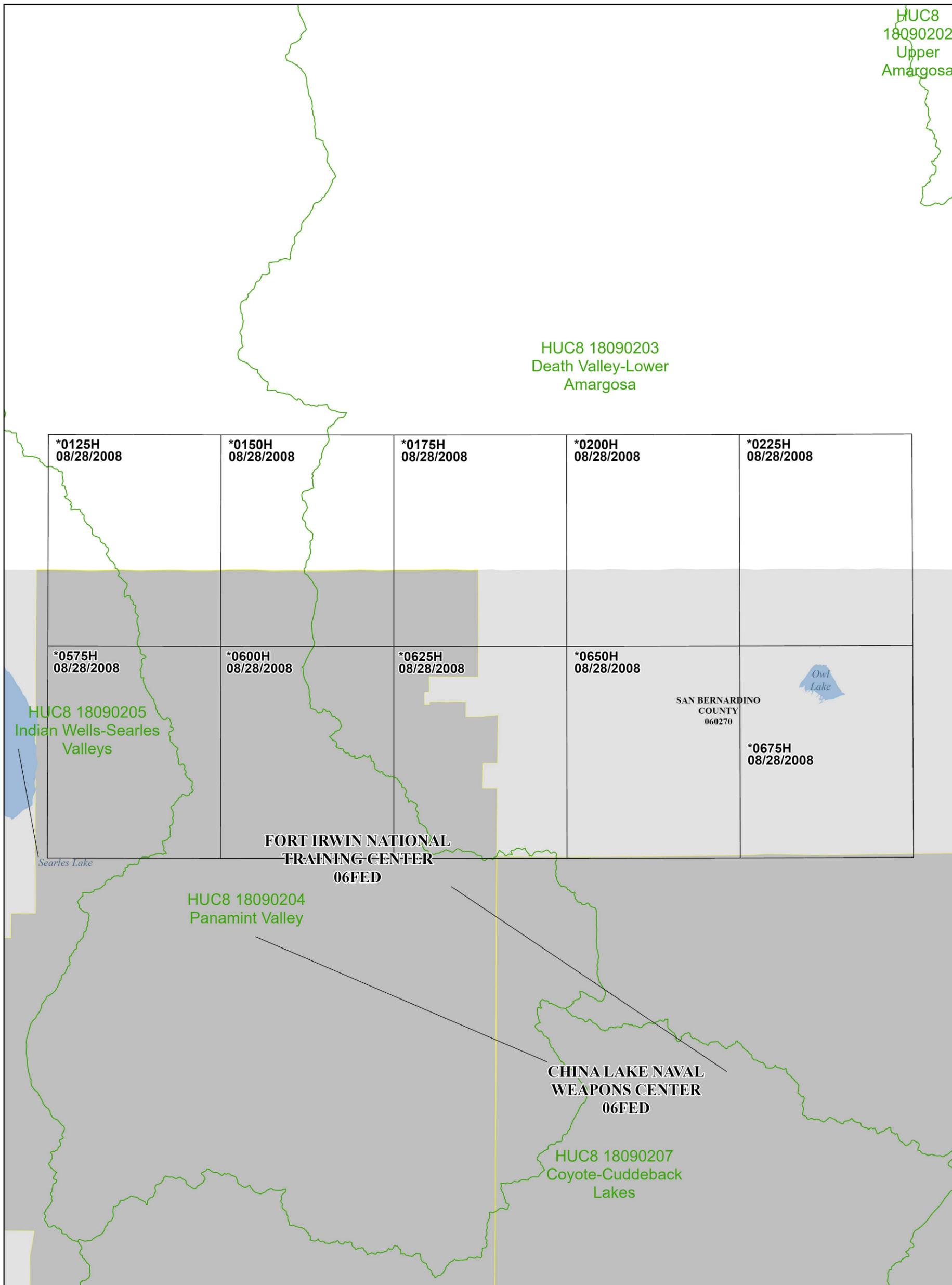
FEMA

MAP NUMBER
06071CIND1G

EFFECTIVE DATE
October 30, 2025

* PANEL NOT PRINTED - AREA IN ZONE D

Figure 1: FIRM Index (continued)



Map Projection:
NAD 1983 UTM Zone 11N
Vertical Datum: NAVD88

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FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 2 OF 21

PANELS PRINTED:



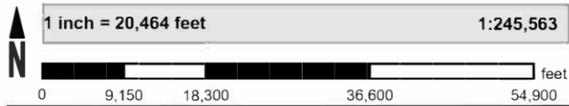
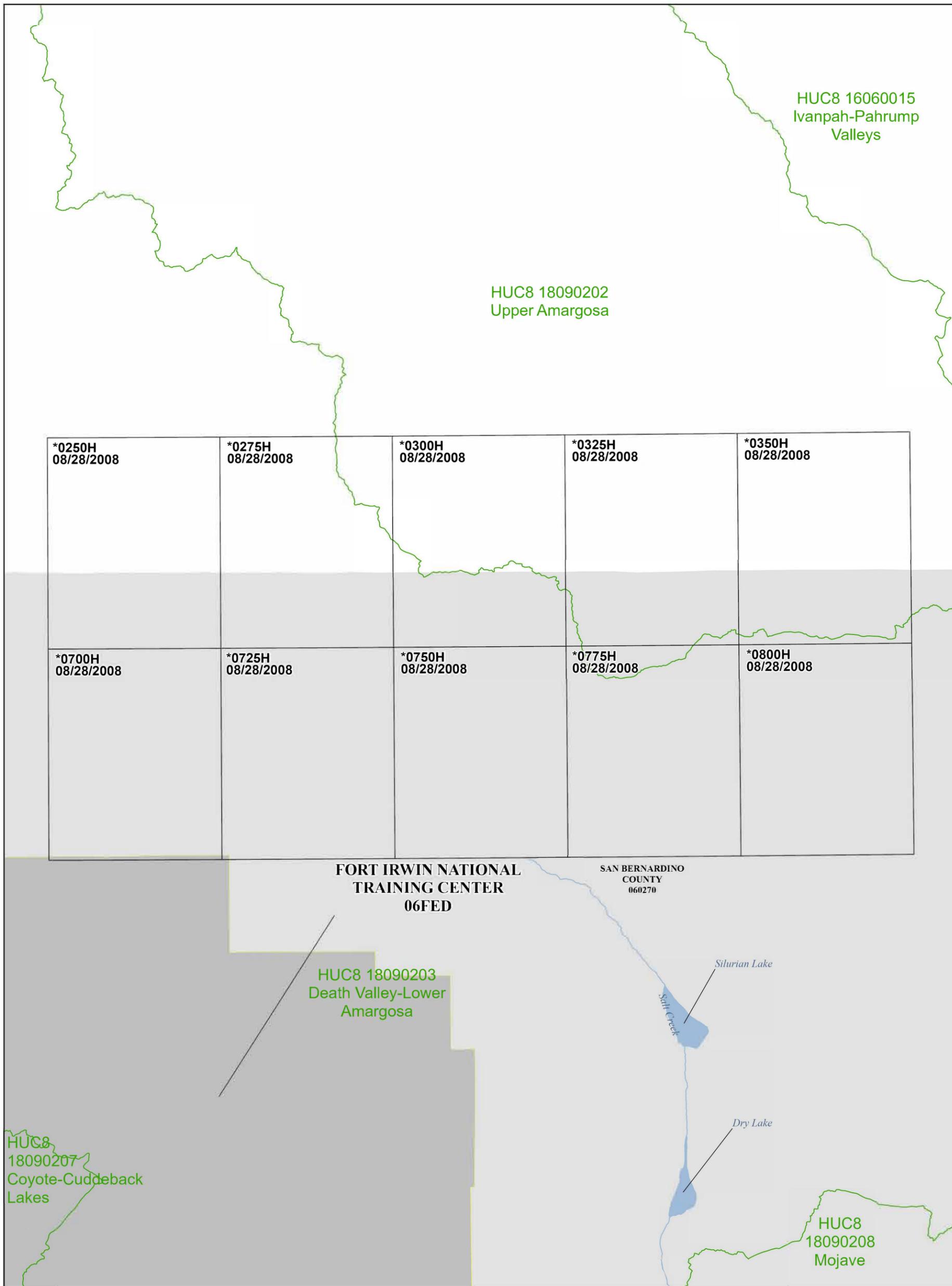
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MAP NUMBER
06071CIND2G

EFFECTIVE DATE
October 30, 2025

* PANEL NOT PRINTED - AREA IN ZONE D

Figure 1: FIRM Index (continued)



Map Projection:
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Vertical Datum: NAVD88

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FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 3 OF 21

PANELS PRINTED:



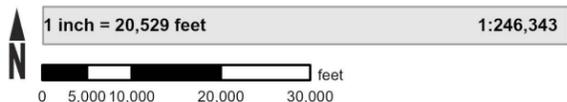
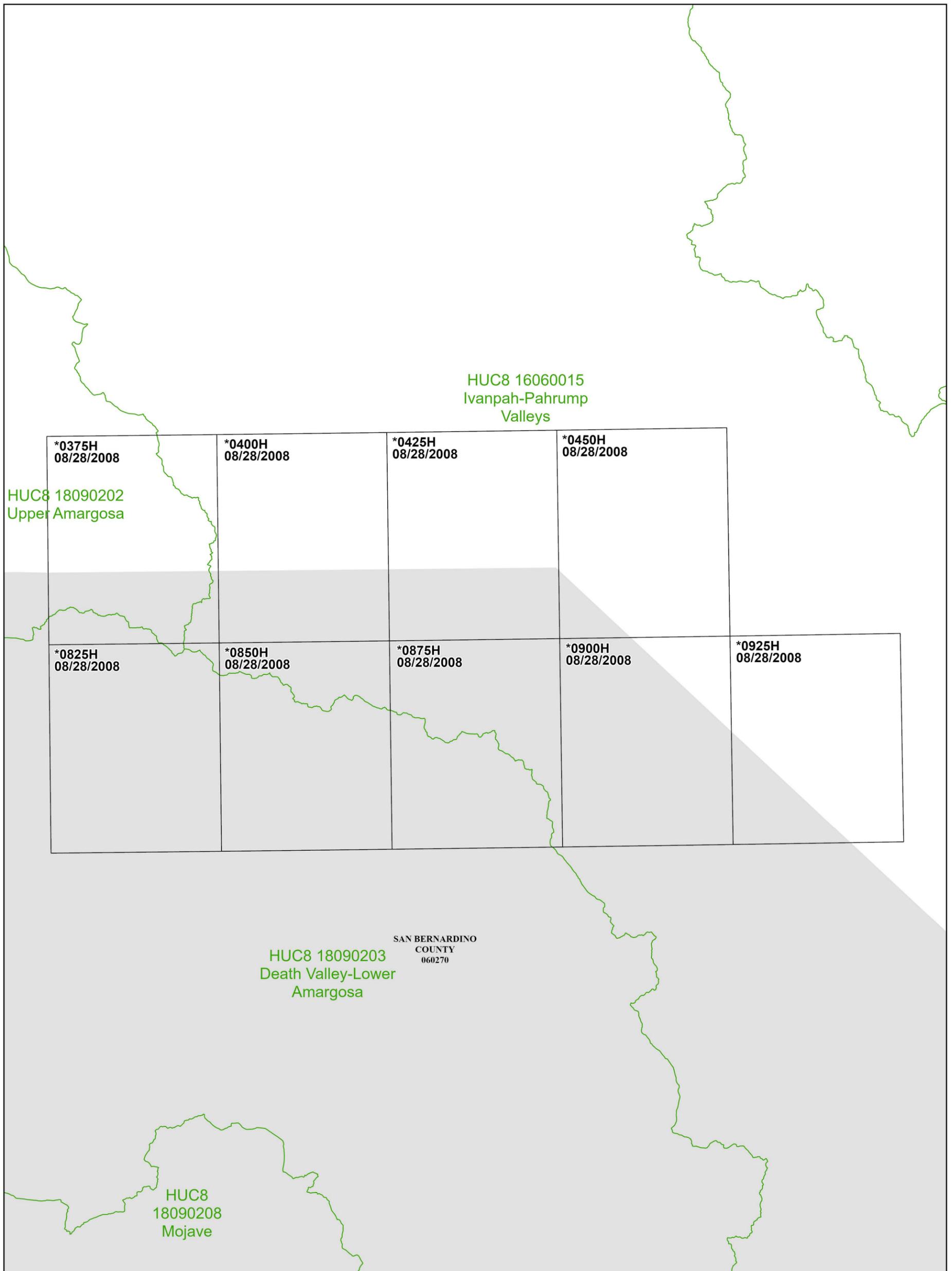
FEMA

MAP NUMBER
06071CIND3G

EFFECTIVE DATE
October 30, 2025

* PANEL NOT PRINTED - AREA IN ZONE D

Figure 1: FIRM Index (continued)



Map Projection:
NAD 1983 UTM Zone 11N
Vertical Datum: NAVD88

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FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 4 OF 21

PANELS PRINTED:



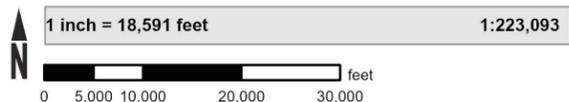
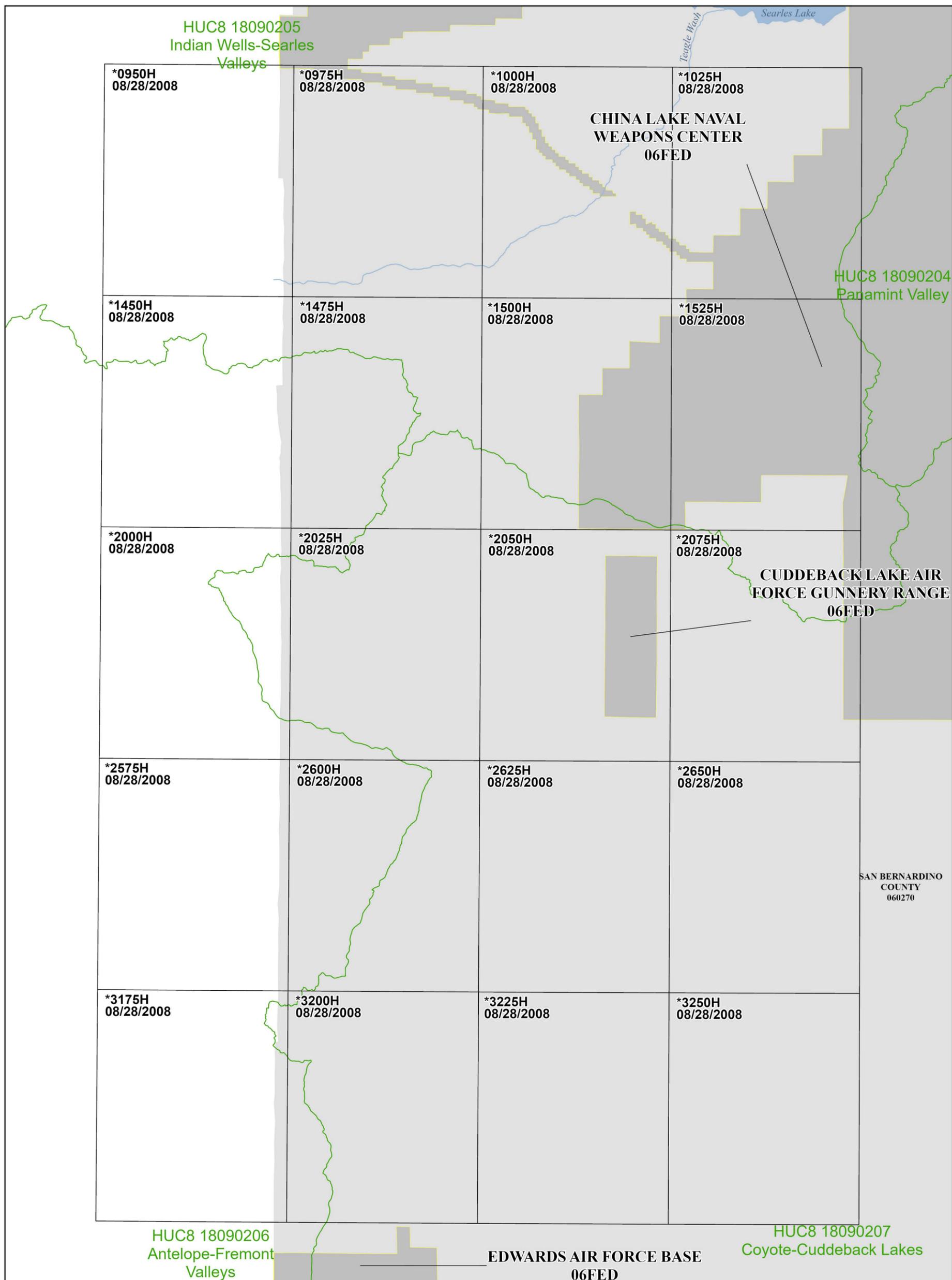
FEMA

MAP NUMBER
06071CIND4G

EFFECTIVE DATE
October 30, 2025

* PANEL NOT PRINTED - AREA IN ZONE D

Figure 1: FIRM Index (continued)



Map Projection:
NAD 1983 UTM Zone 11N
Vertical Datum: NAVD88

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SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 5 OF 21

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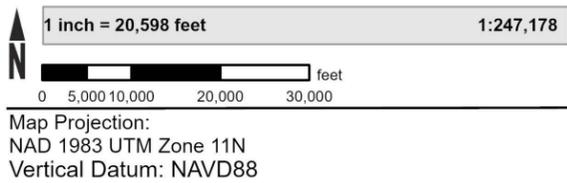
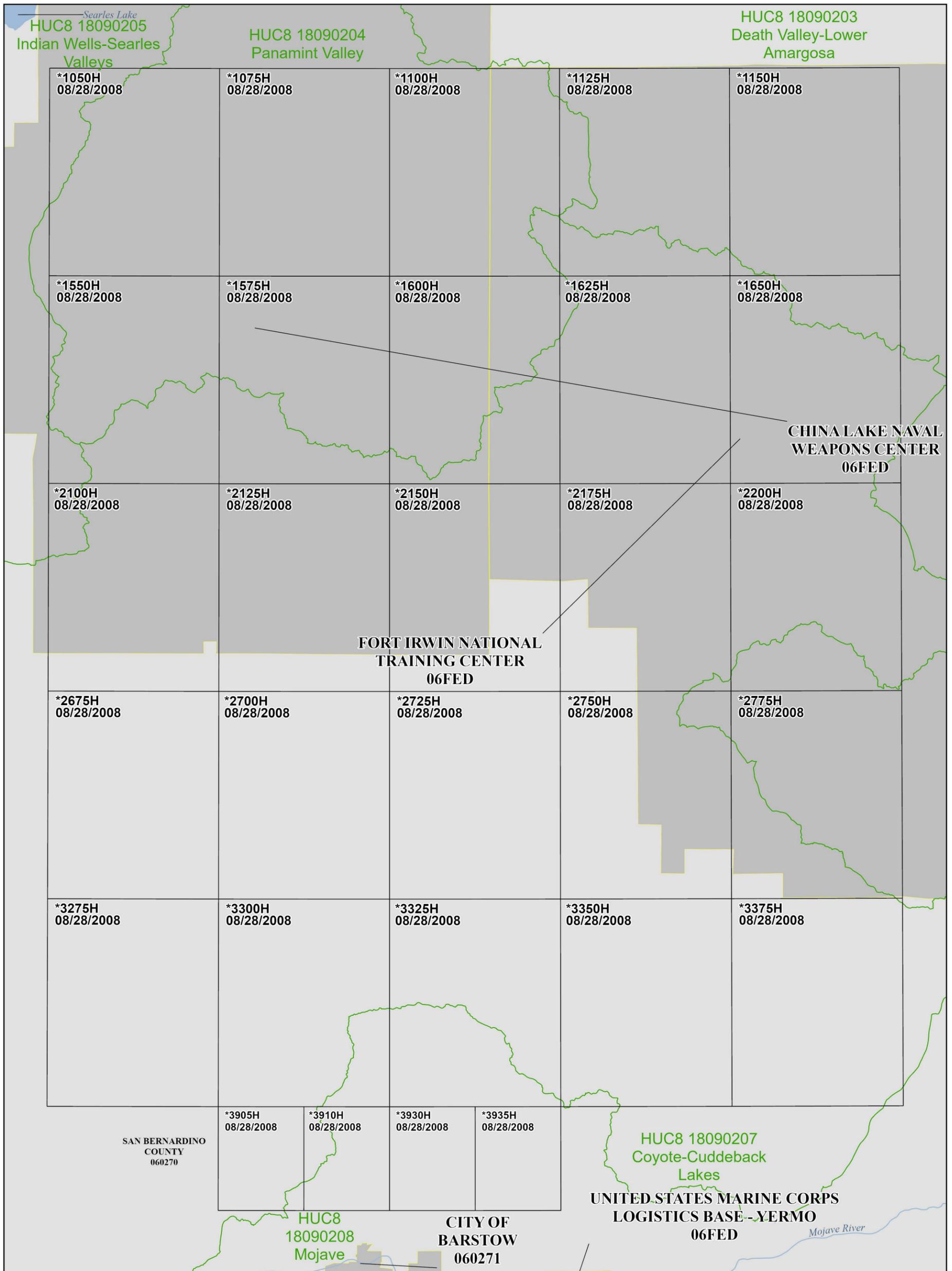
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MAP NUMBER
06071CIND5G

EFFECTIVE DATE
October 30, 2025

* PANEL NOT PRINTED - AREA IN ZONE D

Figure 1: FIRM Index (continued)



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NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 6 OF 21

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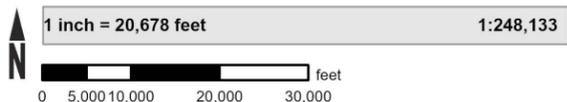
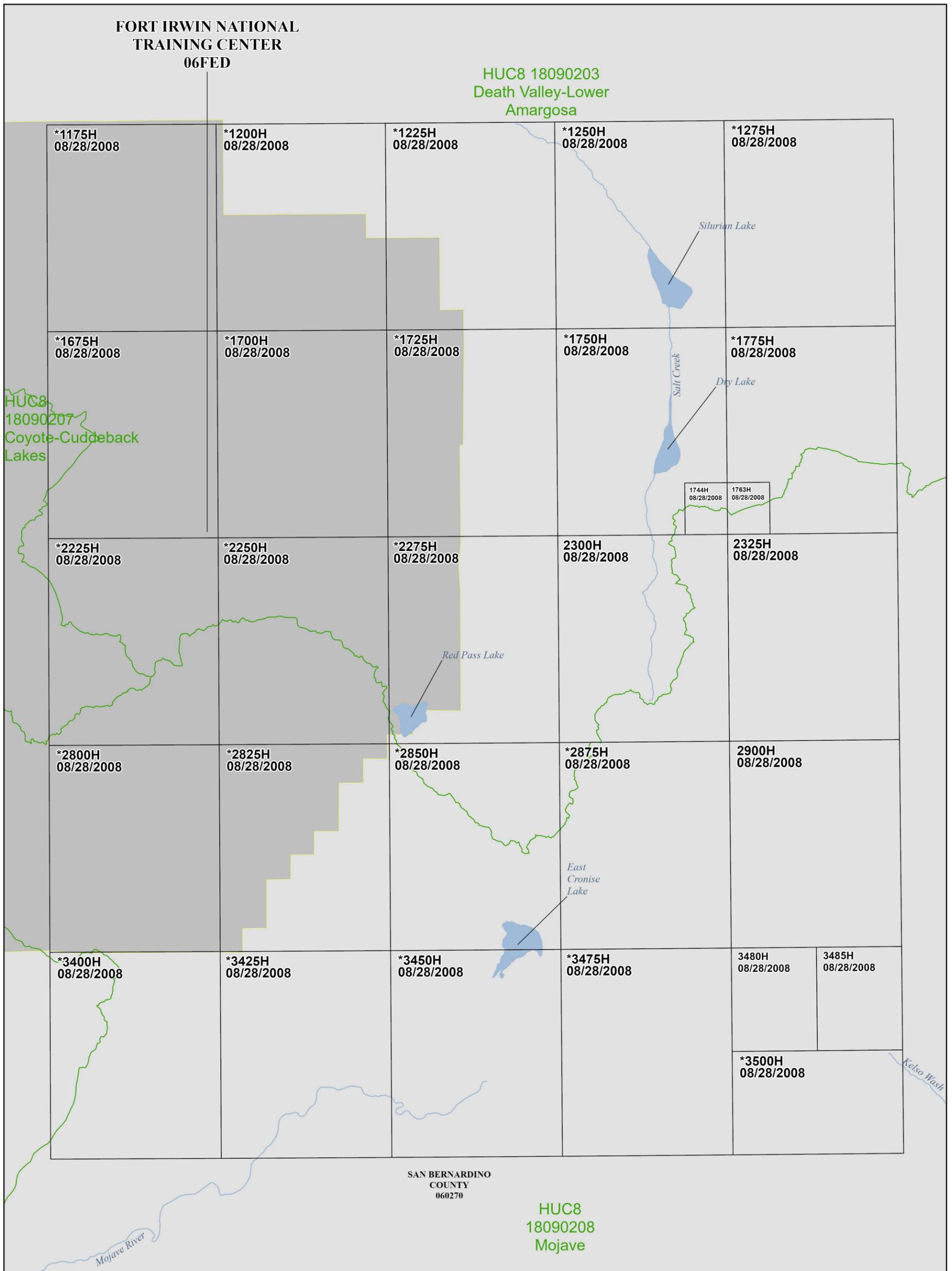
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MAP NUMBER
06071CIND6G

EFFECTIVE DATE
October 30, 2025

* PANEL NOT PRINTED - AREA IN ZONE D

Figure 1: FIRM Index (continued)



Map Projection:
NAD 1983 UTM Zone 11N
Vertical Datum: NAVD88

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* PANEL NOT PRINTED - AREA IN ZONE D

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 7 OF 21

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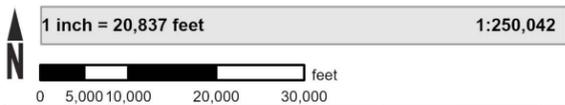
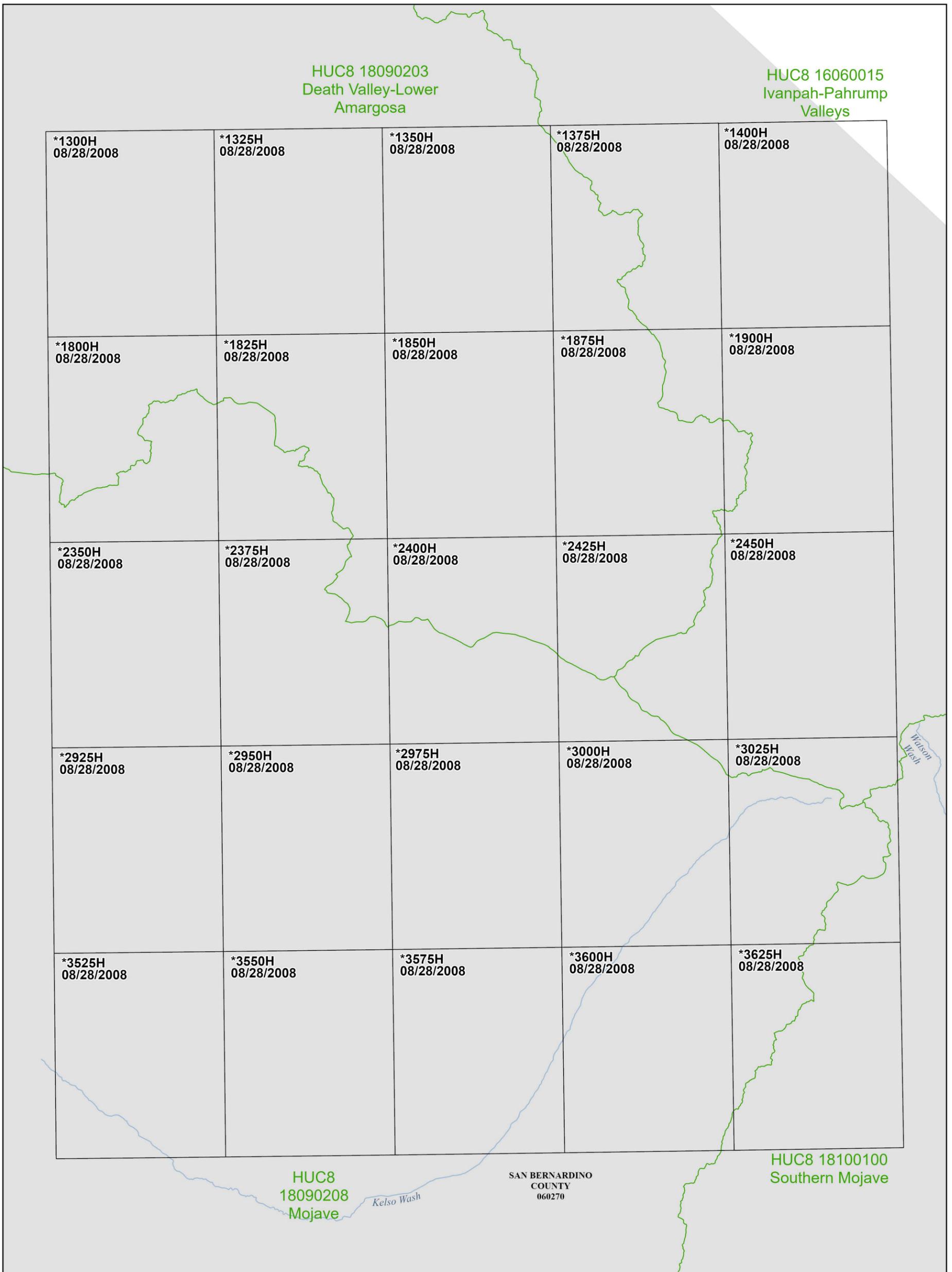


FEMA

MAP NUMBER
06071CIND7G

EFFECTIVE DATE
October 30, 2025

Figure 1: FIRM Index (continued)



Map Projection:
NAD 1983 UTM Zone 11N
Vertical Datum: NAVD88

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* PANEL NOT PRINTED - AREA IN ZONE D

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 8 OF 21

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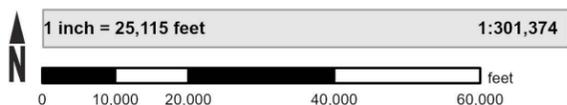
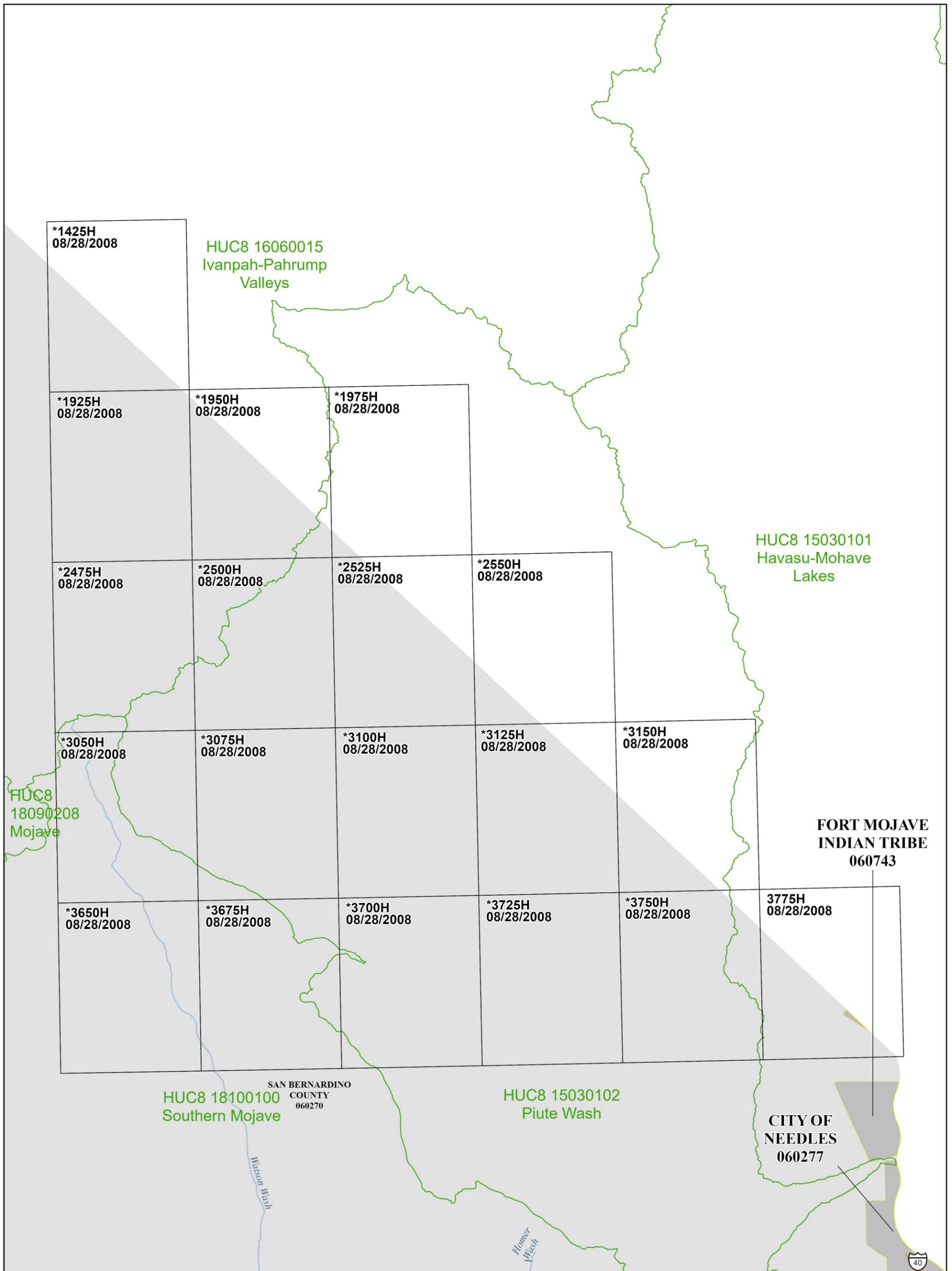


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MAP NUMBER
06071CIND8G

EFFECTIVE DATE
October 30, 2025

Figure 1: FIRM Index (continued)



Map Projection:
NAD 1983 UTM Zone 11N
Vertical Datum: NAVD88

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NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 9 OF 21

PANELS PRINTED:

3775



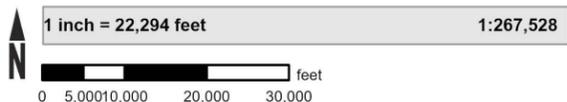
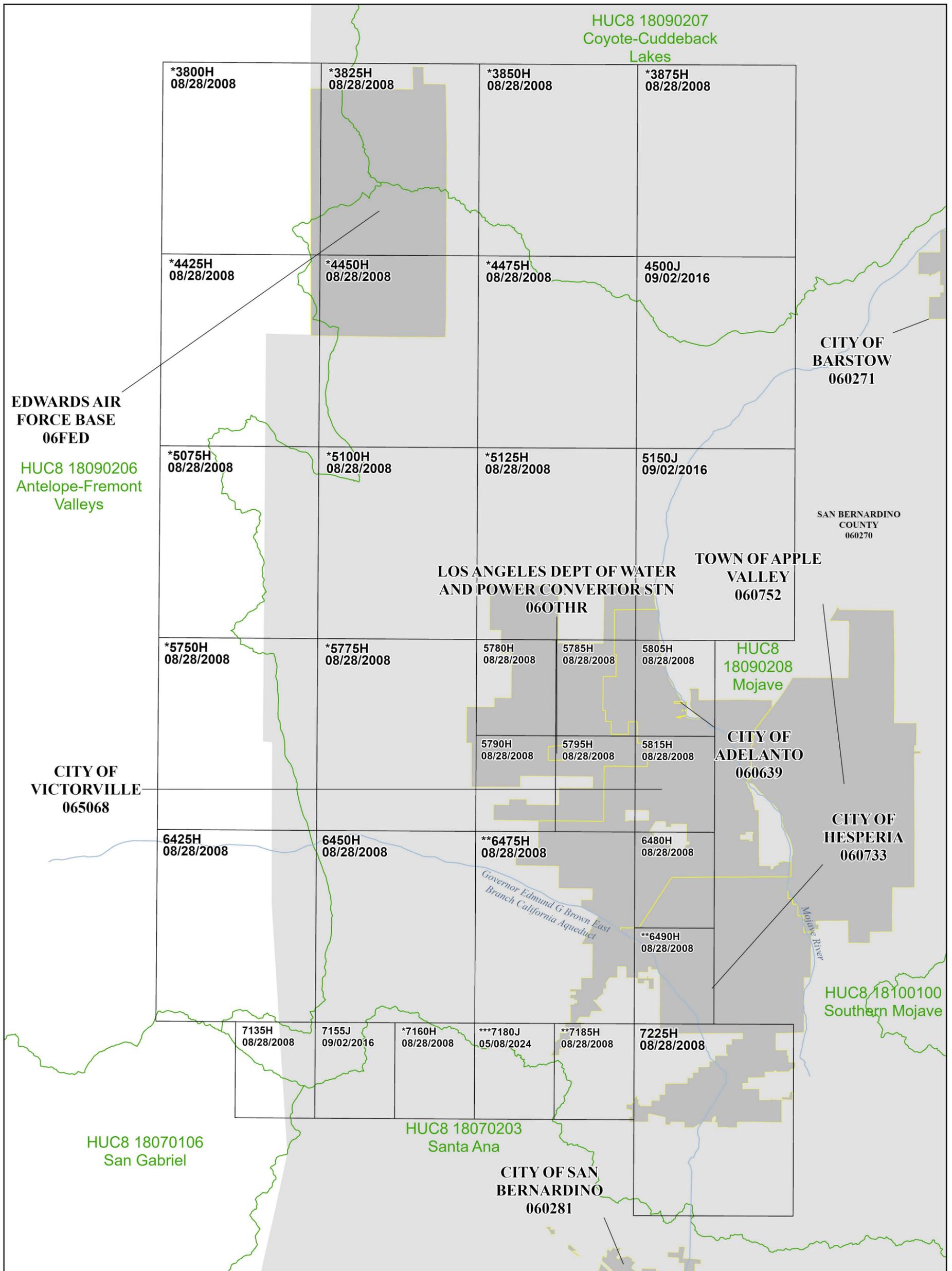
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MAP NUMBER
06071CIND9G

EFFECTIVE DATE
October 30, 2025

* PANEL NOT PRINTED - AREA IN ZONE D

Figure 1: FIRM Index (continued)



Map Projection:
NAD 1983 UTM Zone 11N
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SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

* PANEL NOT PRINTED - AREA IN ZONE D
**PANEL NOT PRINTED - UNINCORPORATED AREAS IN ZONE D.
OTHER AREAS IN ZONE X
***PANEL NOT PRINTED - AREA IN ZONE D OR ZONE X

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 10 OF 21

PANELS PRINTED:

4500, 5150, 5780, 5785, 5790, 5795, 5805, 5815, 6425, 6450, 6480, 7135, 7155, 7225

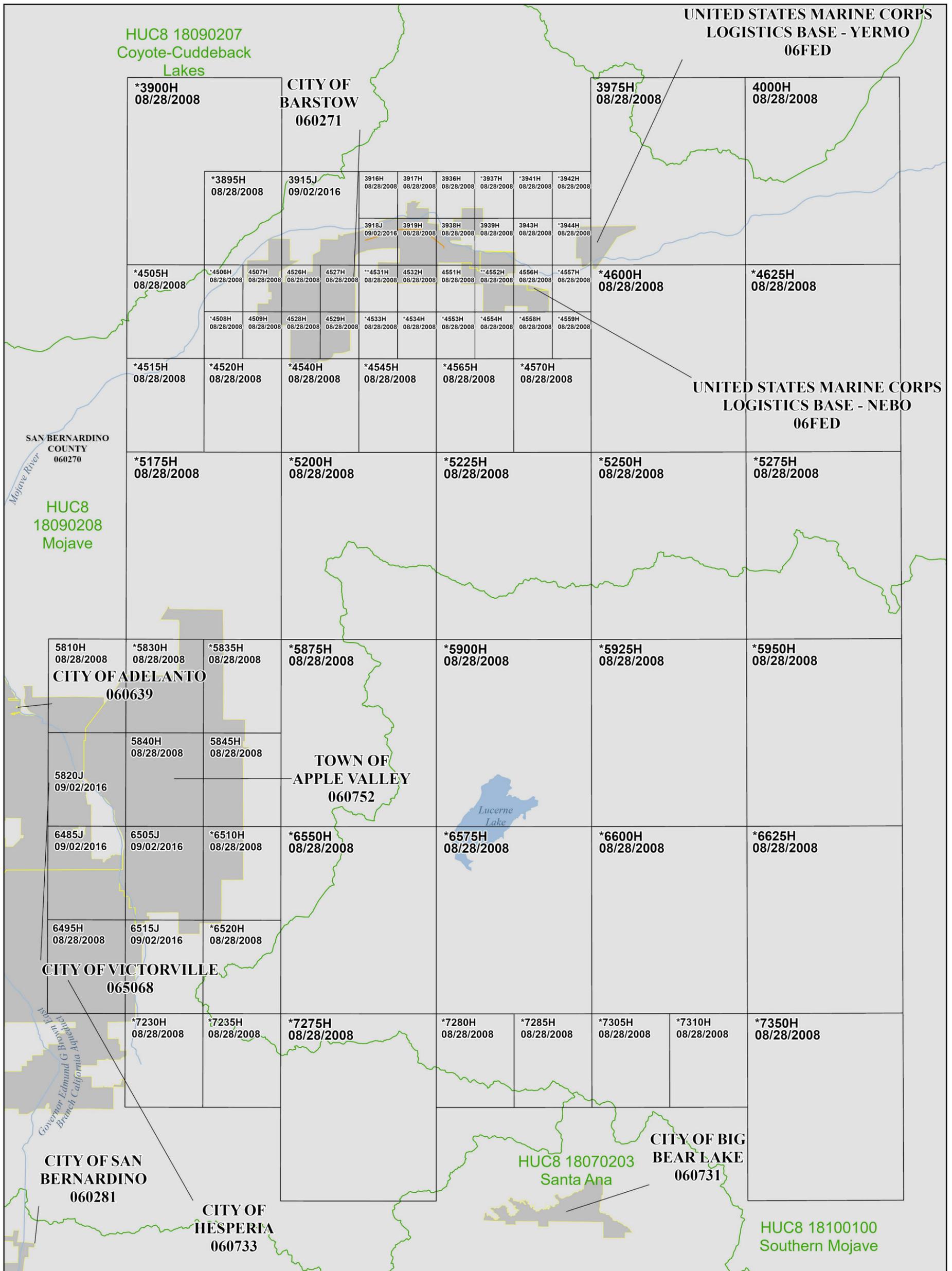


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MAP NUMBER
06071CIND10G

EFFECTIVE DATE
October 30, 2025

Figure 1: FIRM Index (continued)



Map Projection:
NAD 1983 UTM Zone 11N
Vertical Datum: NAVD88

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SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

* PANEL NOT PRINTED - AREA IN ZONE D
**PANEL NOT PRINTED - UNINCORPORATED AREAS IN ZONE D. OTHER AREAS IN ZONE X

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 11 OF 21

PANELS PRINTED:

3915, 3916, 3917, 3918, 3919, 3936, 3938, 3939, 3943, 3975, 4000, 4507, 4509, 4526, 4527, 4528, 4529, 4532, 4551, 4556, 5810, 5820, 5840, 5845, 6485, 6495, 6505, 6515

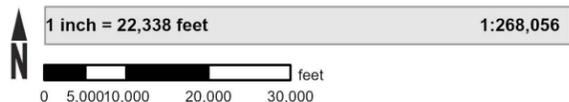
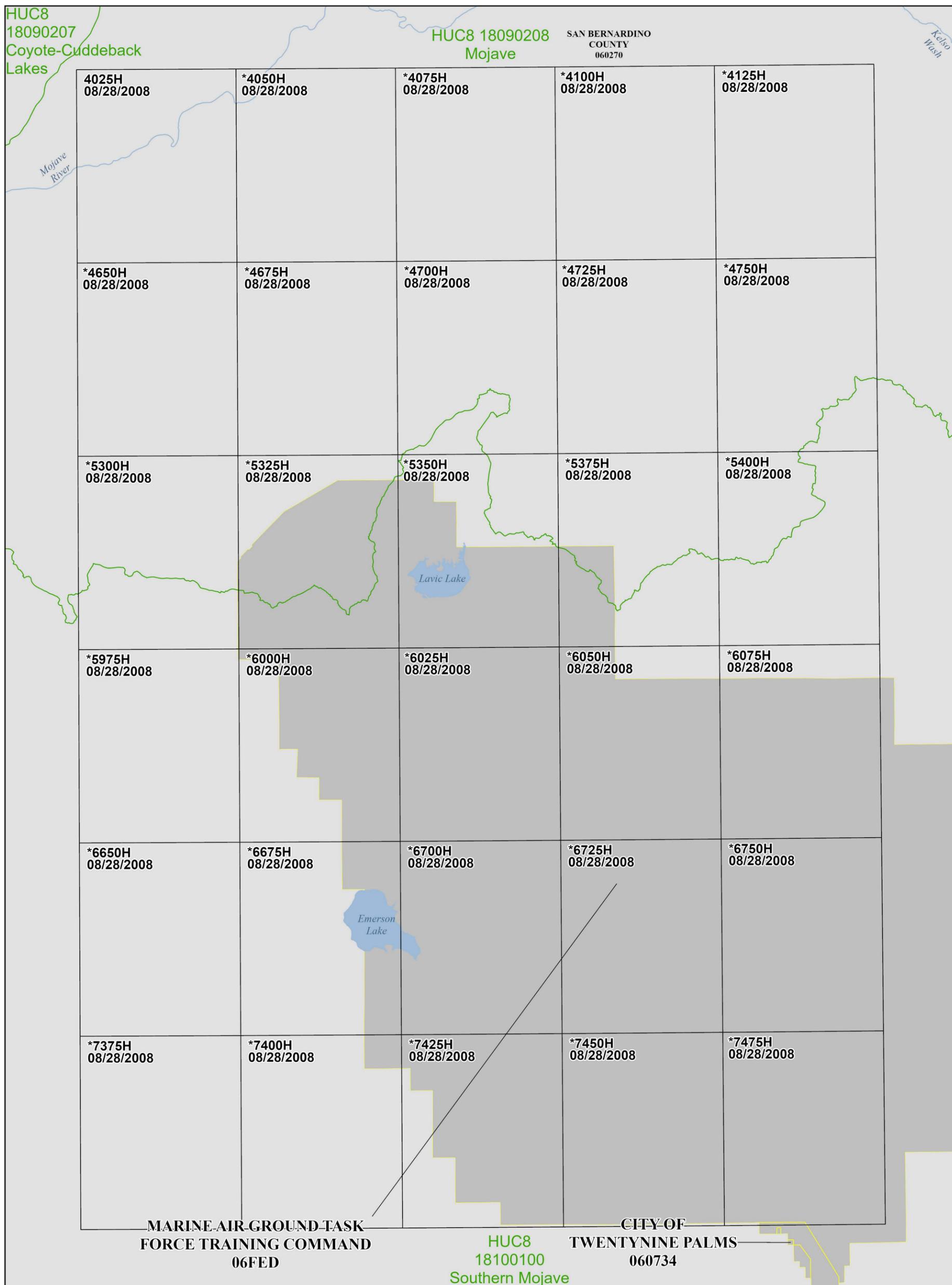


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MAP NUMBER
06071CIND11G

EFFECTIVE DATE
October 30, 2025

Figure 1: FIRM Index (continued)



Map Projection:
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SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 12 OF 21

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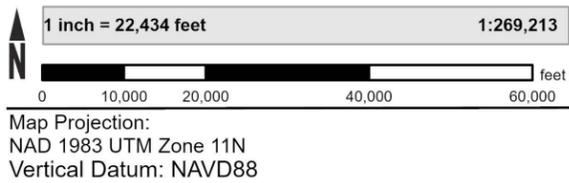
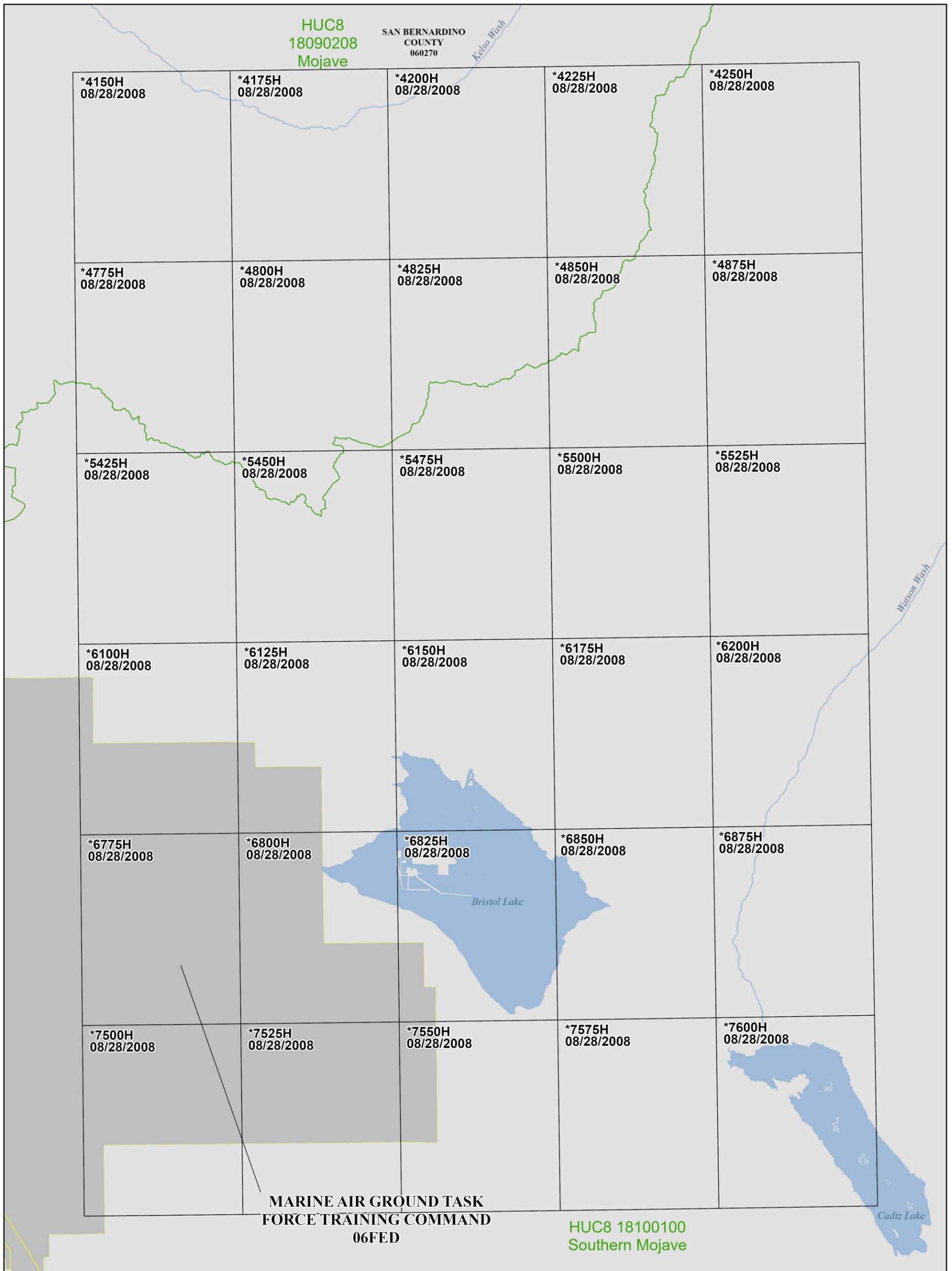
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MAP NUMBER
06071CIND12G

EFFECTIVE DATE
October 30, 2025

* PANEL NOT PRINTED - AREA IN ZONE D

Figure 1: FIRM Index (continued)



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SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

* PANEL NOT PRINTED - AREA IN ZONE D

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 13 OF 21

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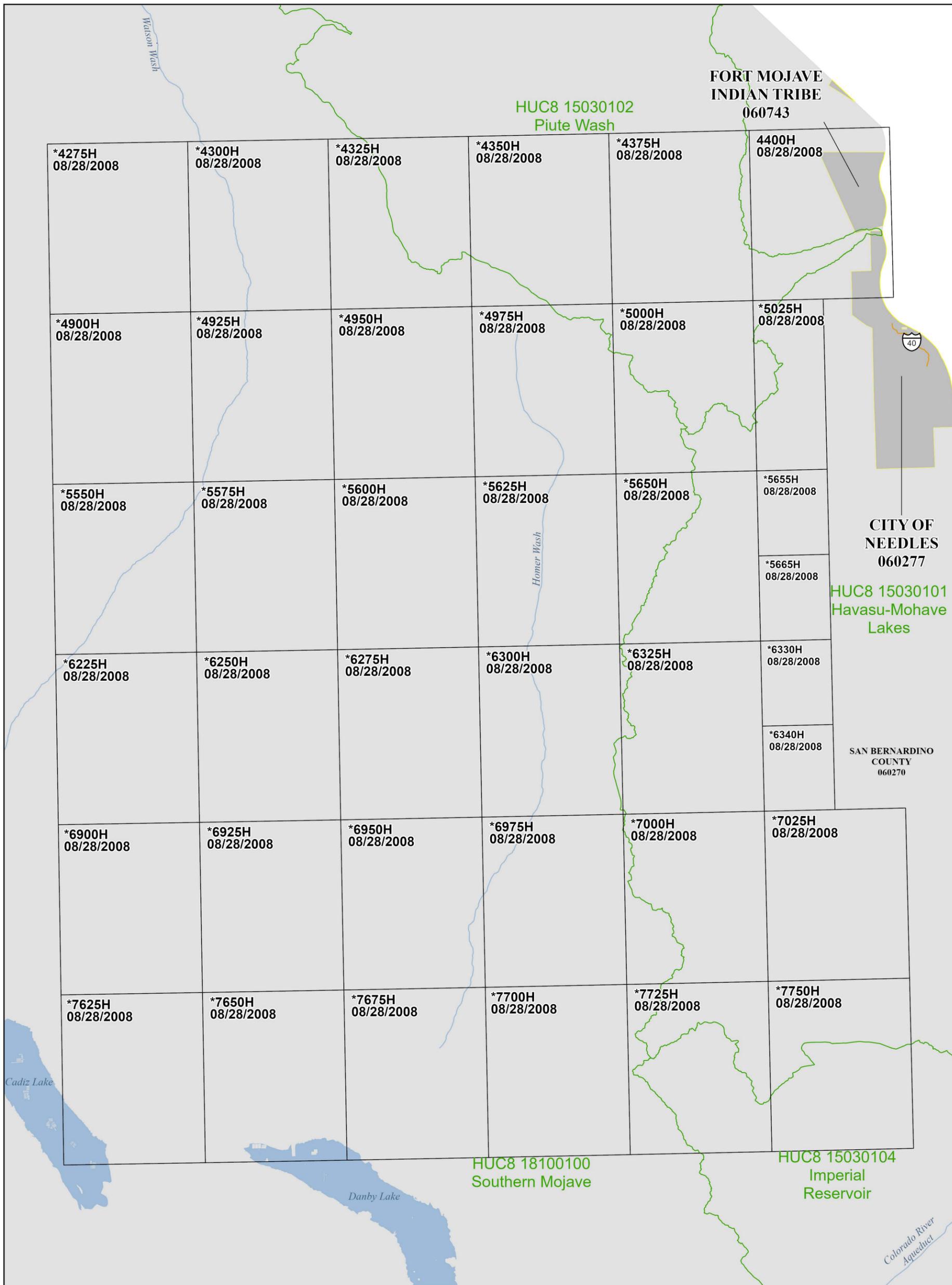


FEMA

MAP NUMBER
06071CIND13G

EFFECTIVE DATE
October 30, 2025

Figure 1: FIRM Index (continued)



Map Projection:
NAD 1983 UTM Zone 11N
Vertical Datum: NAVD88

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SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 14 OF 21

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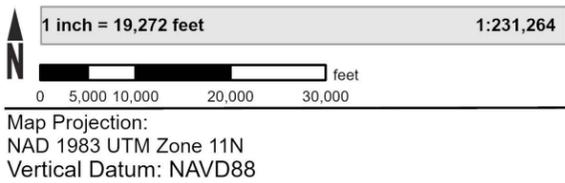
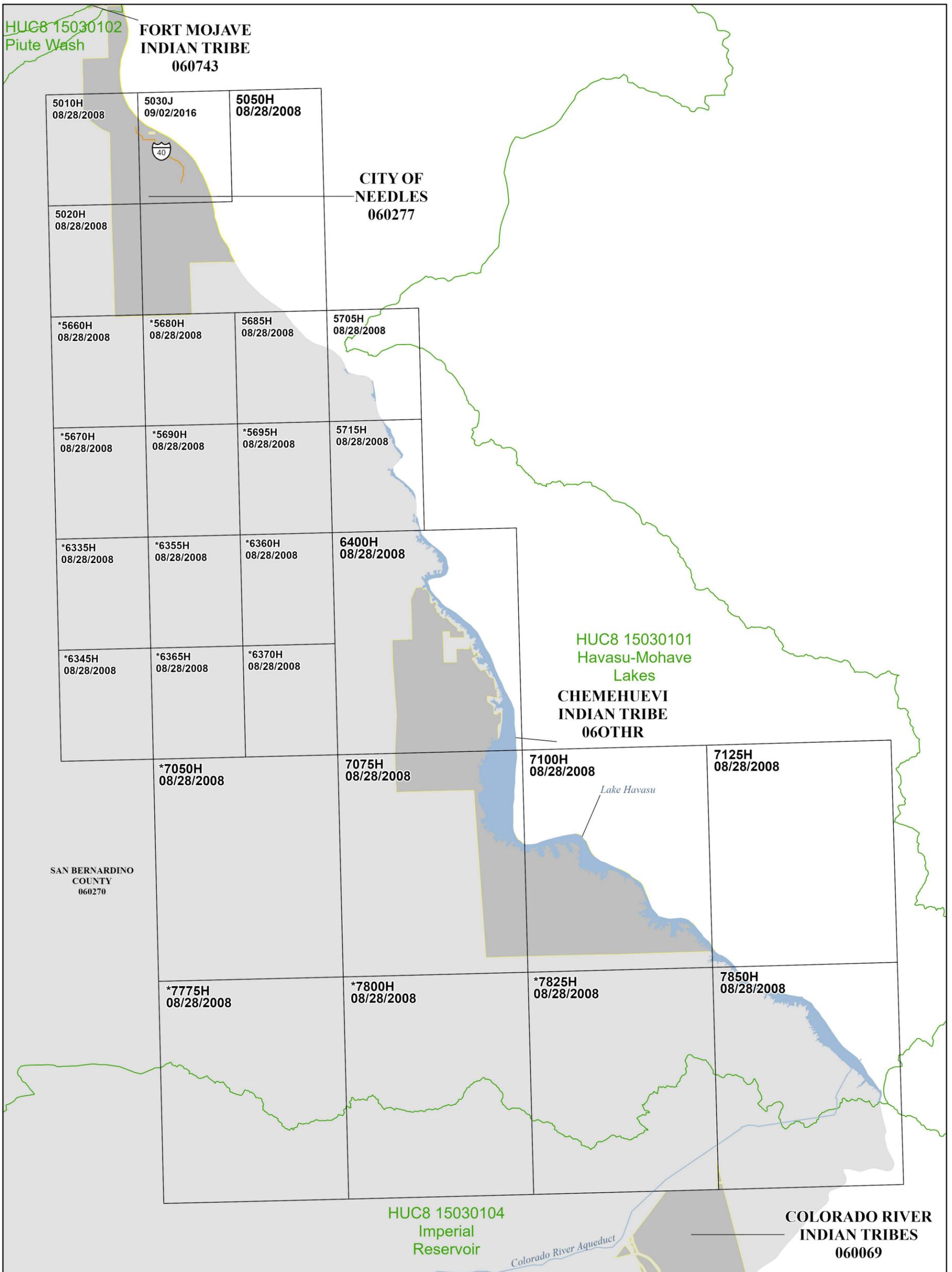
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MAP NUMBER
06071CIND14G

EFFECTIVE DATE
October 30, 2025

* PANEL NOT PRINTED - AREA IN ZONE D

Figure 1: FIRM Index (continued)



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SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

* PANEL NOT PRINTED - AREA IN ZONE D

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 15 OF 21

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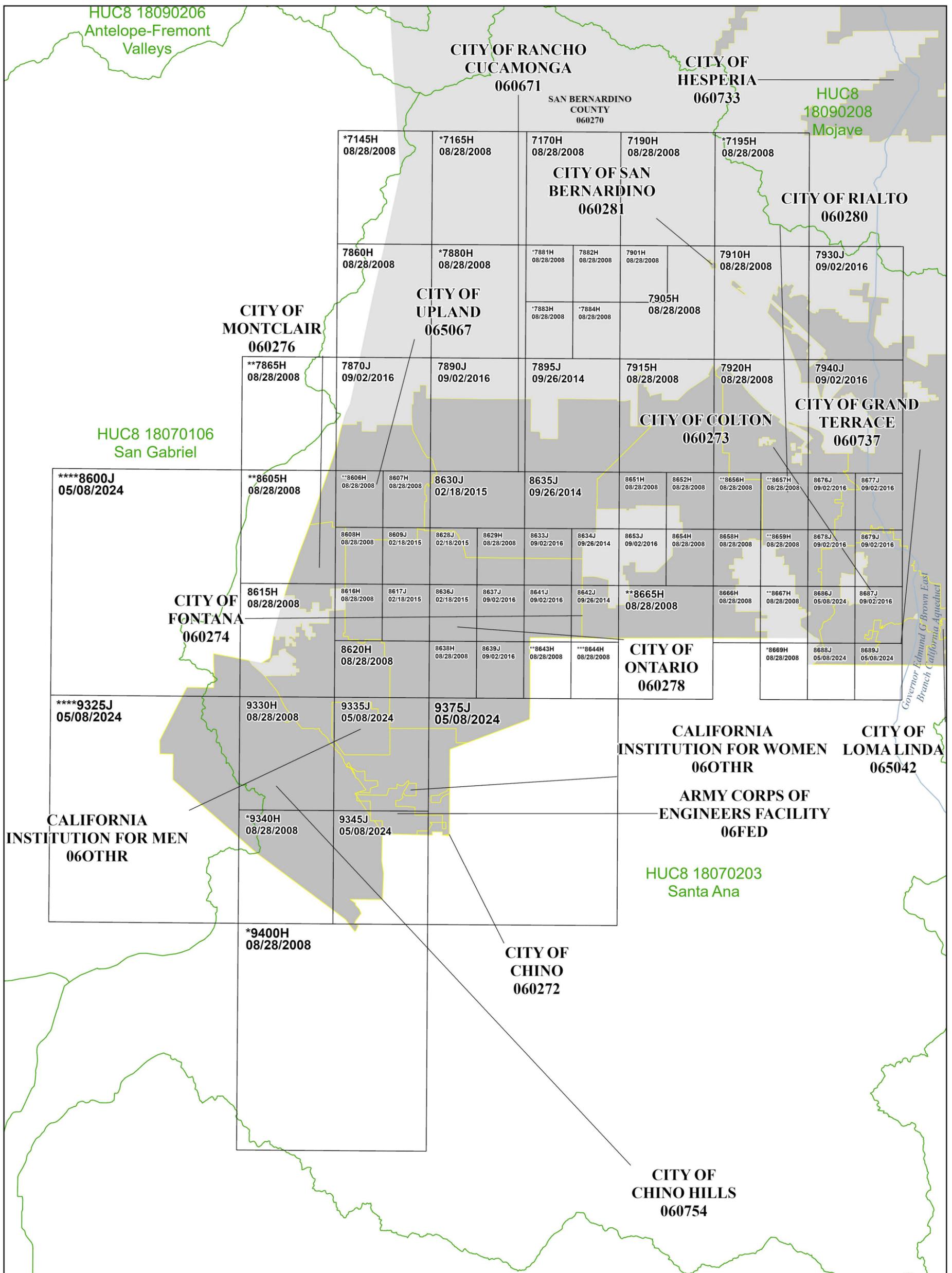


FEMA

MAP NUMBER
06071CIND15G

EFFECTIVE DATE
October 30, 2025

Figure 1: FIRM Index (continued)



1 inch = 18,871 feet 1:226,448

0 5,000 10,000 20,000 30,000 feet

Map Projection:
NAD 1983 UTM Zone 11N
Vertical Datum: NAVD88

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SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

* PANEL NOT PRINTED - AREA IN ZONE D
**PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS
***PANEL NOT PRINTED - AREA OUTSIDE COUNTY BOUNDARY
****PANEL NOT PRINTED - AREA IN ZONE D OR ZONE X

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS
PAGE 16 OF 21
PANELS PRINTED:
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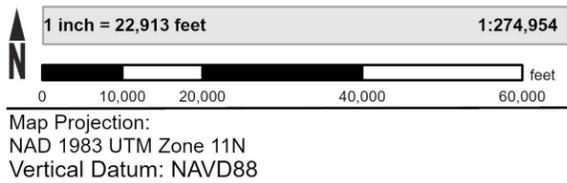
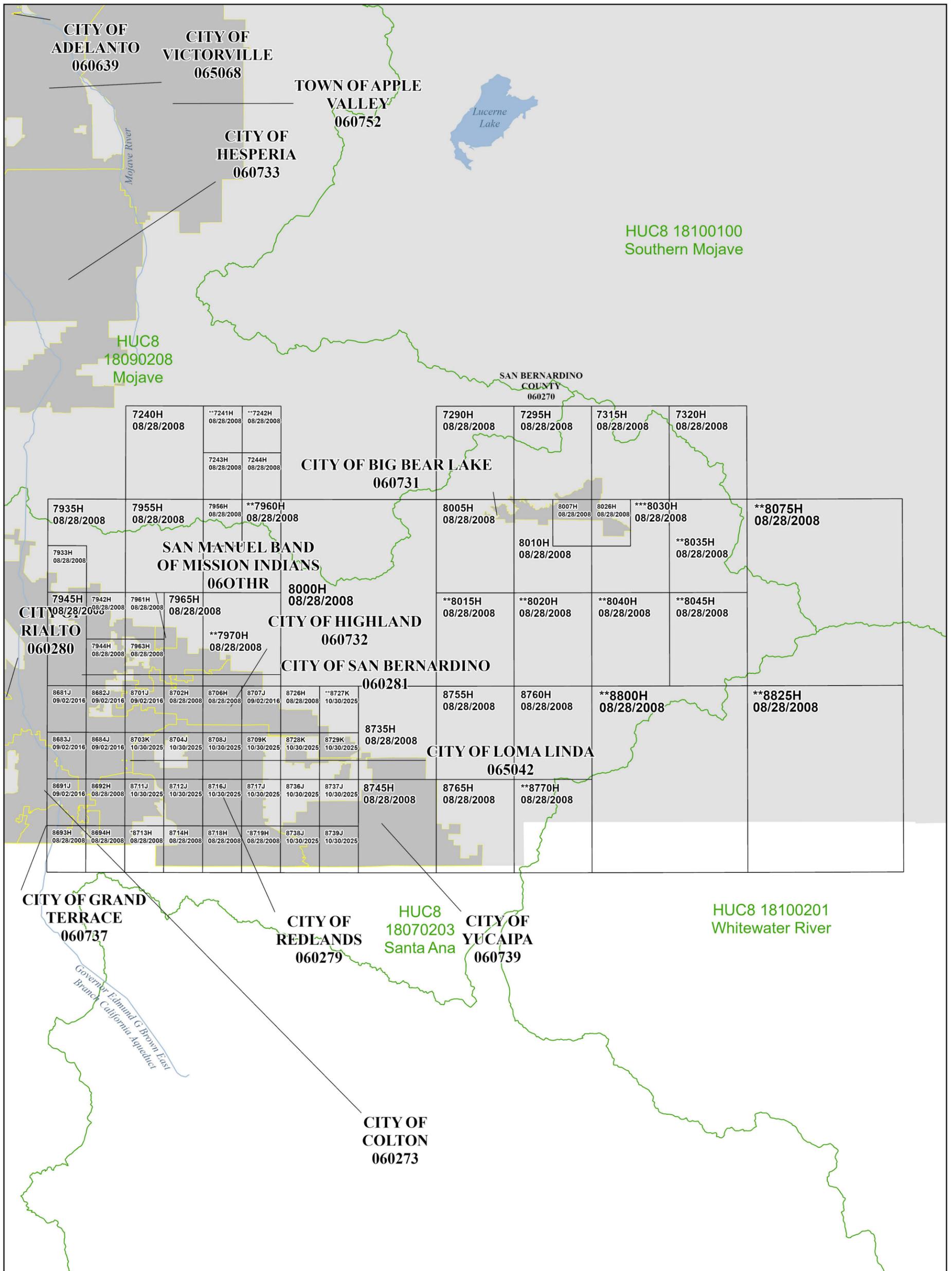


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MAP NUMBER
06071CIND16G

EFFECTIVE DATE
October 30, 2025

Figure 1: FIRM Index (continued)



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* PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS
**PANEL NOT PRINTED - AREA IN ZONE D
***PANEL NOT PRINTED - UNINCORPORATED AREAS IN ZONE D. OTHER AREAS IN ZONE X

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 17 OF 21

PANELS PRINTED:

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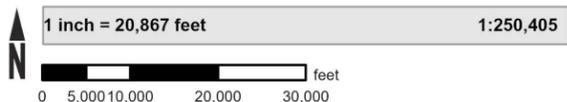
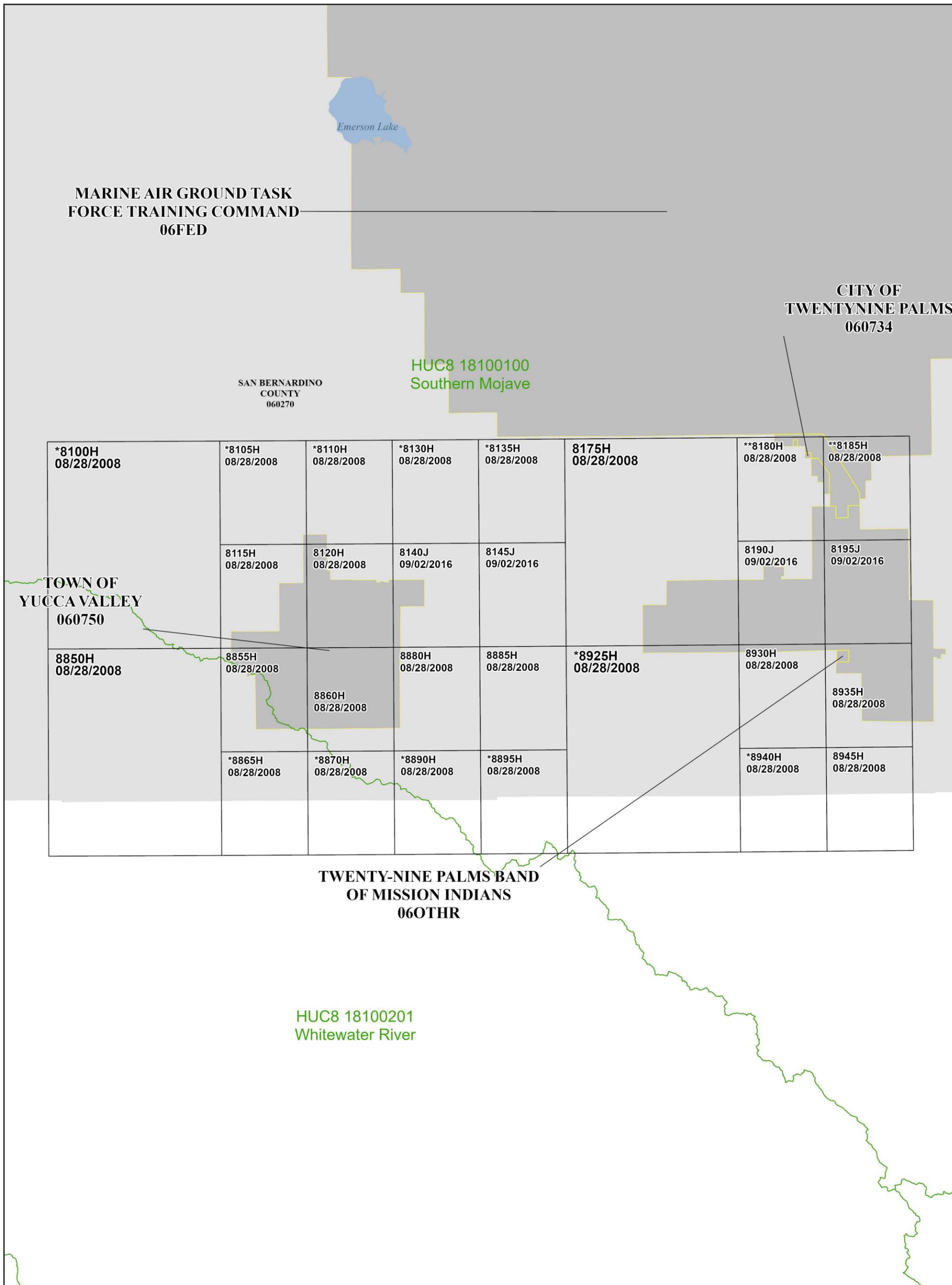


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Figure 1: FIRM Index (continued)



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* PANEL NOT PRINTED - AREA IN ZONE D
**PANEL NOT PRINTED - UNINCORPORATED AREAS IN ZONE D.
OTHER AREAS IN ZONE X

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS
PAGE 18 OF 21

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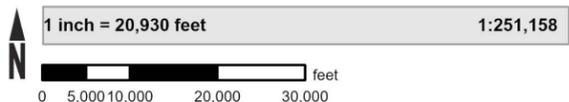
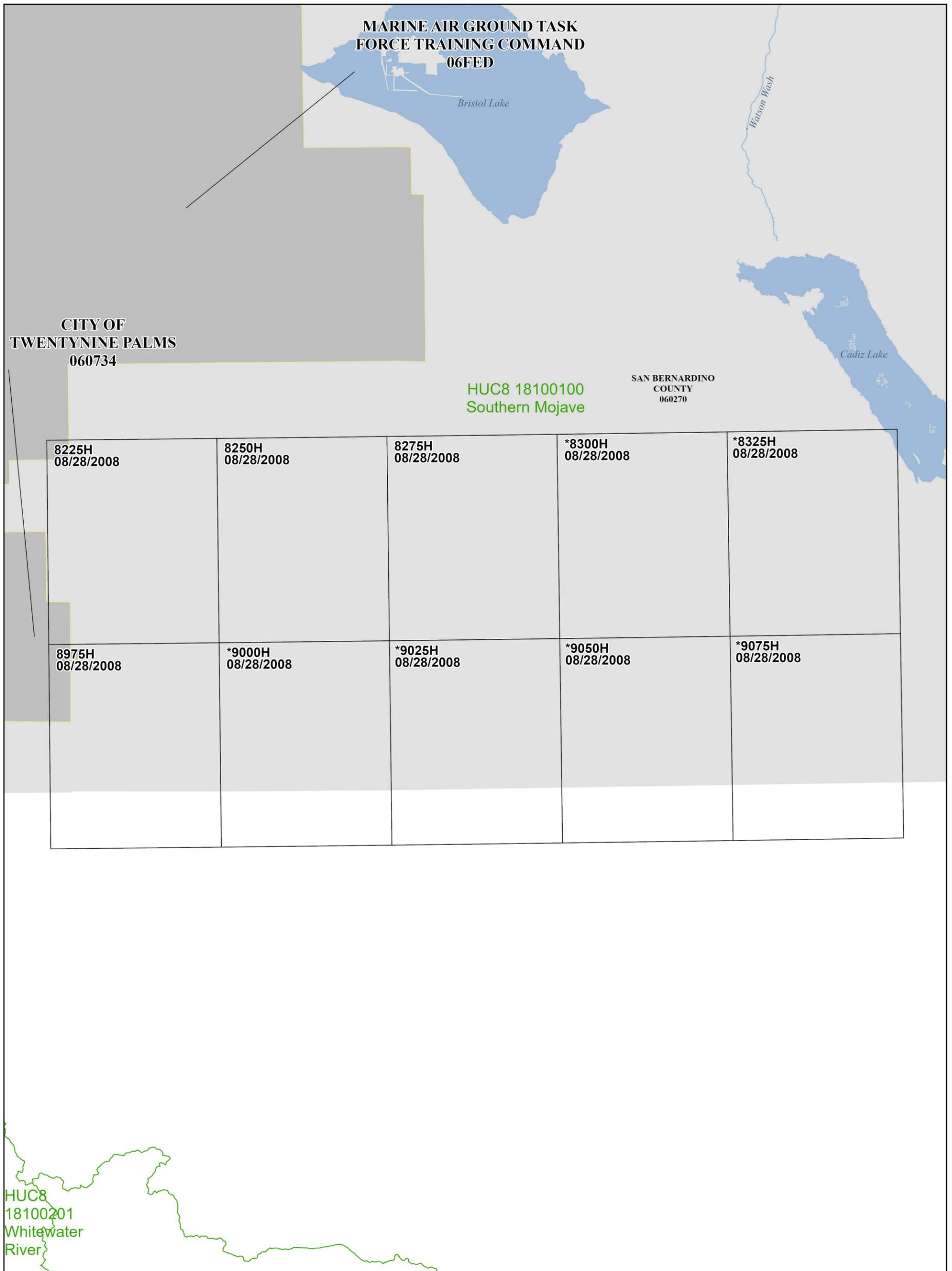


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EFFECTIVE DATE
October 30, 2025

Figure 1: FIRM Index (continued)



Map Projection:
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* PANEL NOT PRINTED - AREA IN ZONE D

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 19 OF 21

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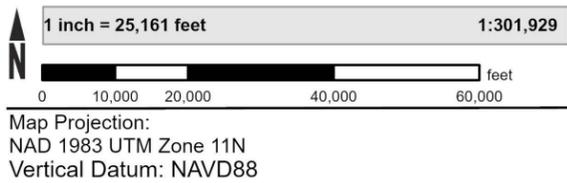
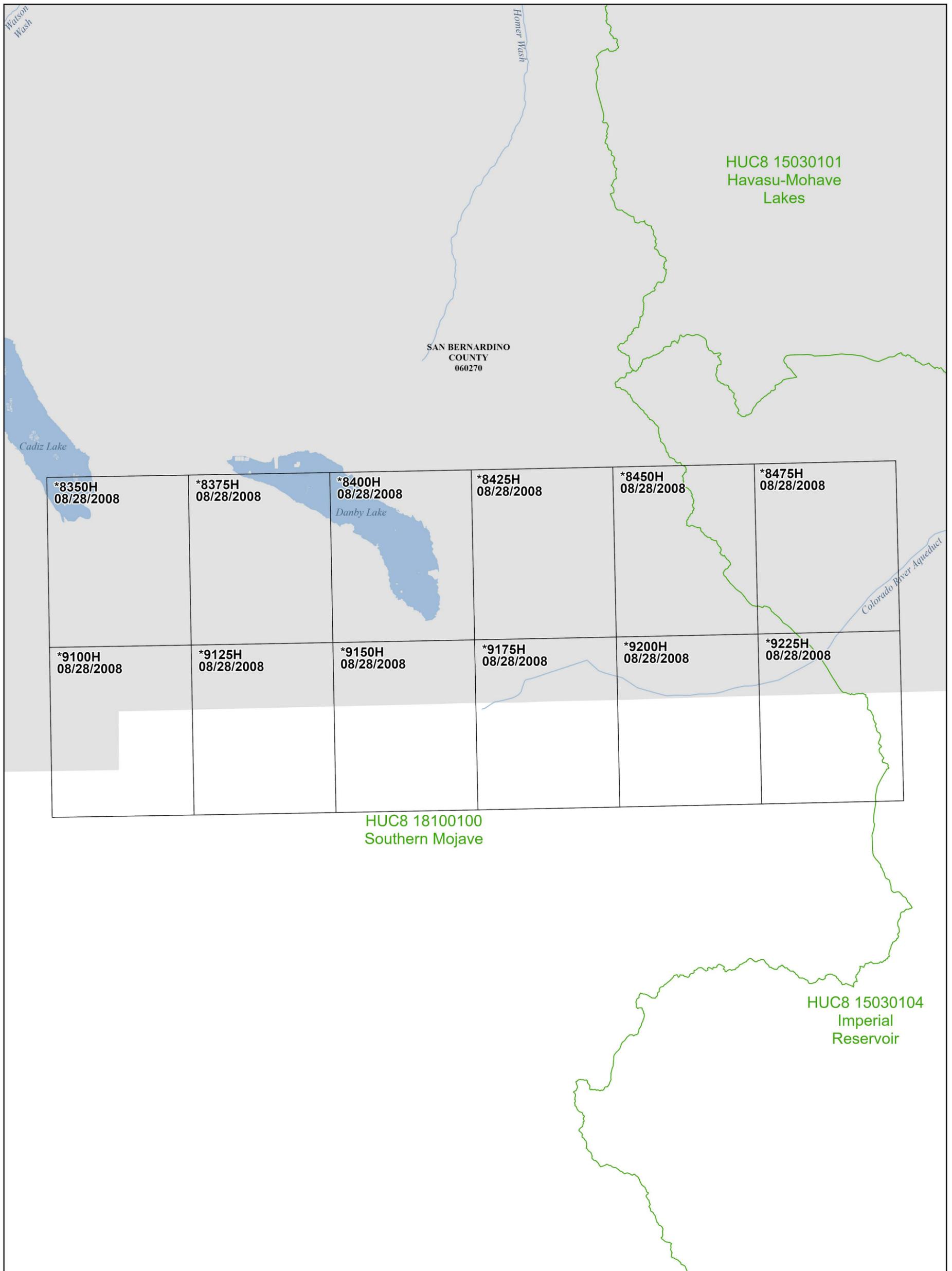


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EFFECTIVE DATE
October 30, 2025

Figure 1: FIRM Index (continued)



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NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 20 OF 21

PANELS PRINTED:

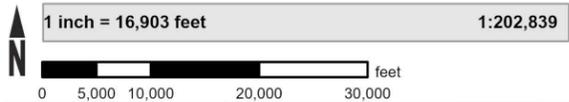
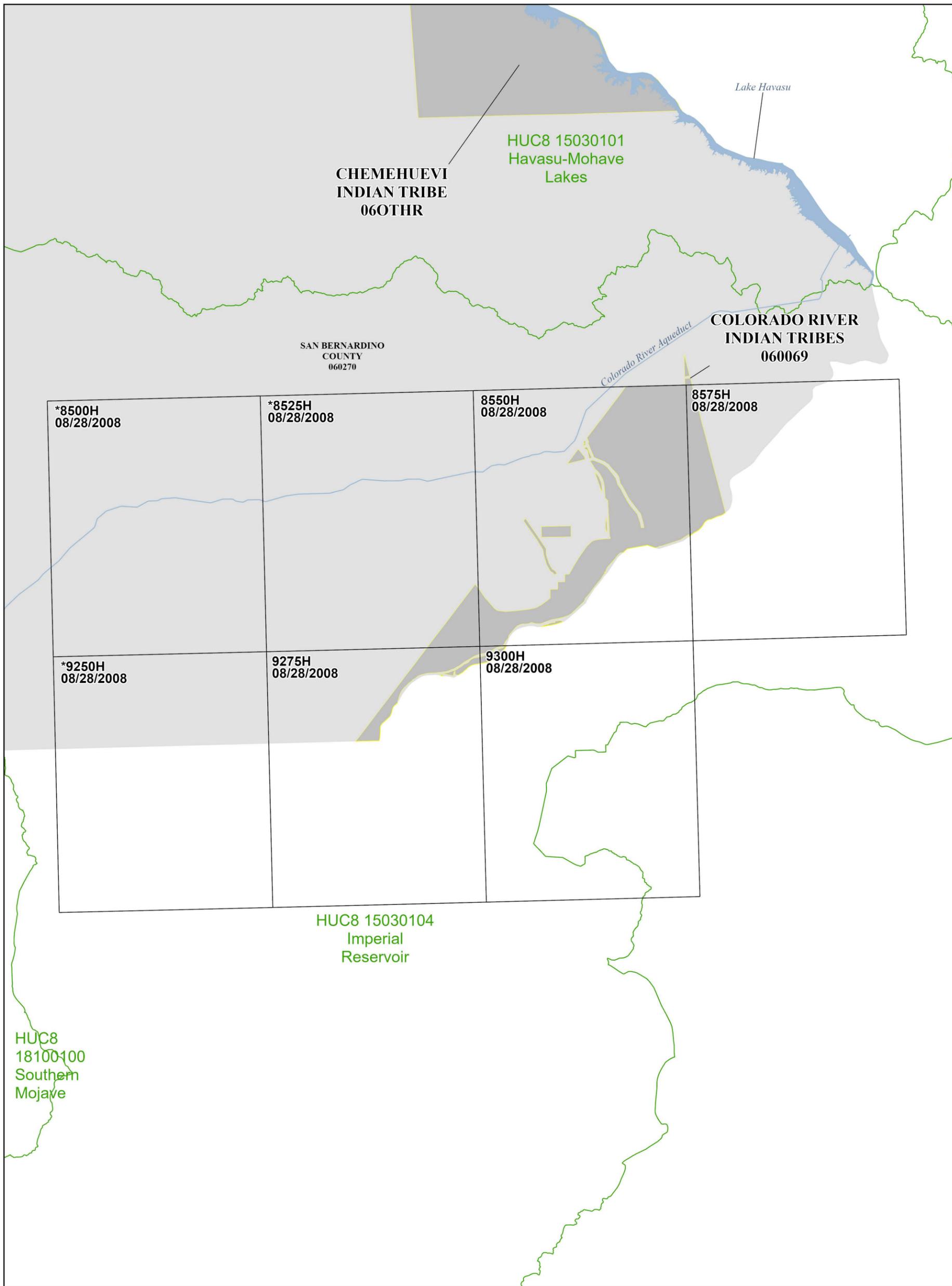


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06071CIND20G

EFFECTIVE DATE
October 30, 2025

Figure 1: FIRM Index (continued)



Map Projection:
NAD 1983 UTM Zone 11N
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SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP INDEX

SAN BERNARDINO COUNTY, CALIFORNIA, AND INCORPORATED AREAS

PAGE 21 OF 21

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8550, 8575, 9275, 9300



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MAP NUMBER
06071CIND21G

EFFECTIVE DATE
October 30, 2025

* PANEL NOT PRINTED - AREA IN ZONE D

Each FIRM panel may contain specific notes to the user that provide additional information regarding the flood hazard data shown on that map. However, the FIRM panel does not contain enough space to show all the notes that may be relevant in helping to better understand the information on the panel. Figure 2 contains the full list of these notes.

Figure 2: FIRM Notes to Users

<p style="text-align: center;">NOTES TO USERS</p> <p>For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM including historic versions of this FIRM, how to order products, or the National Flood Insurance Program in general, please call the FEMA Mapping and Insurance eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Flood Map Service Center website or by calling the FEMA Mapping and Insurance eXchange.</p> <p>Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.</p> <p>For community and countywide map dates, refer to Table 27 in this FIS Report.</p> <p>To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.</p>
<p>The map is for use in administering the NFIP. It may not identify all areas subject to flooding, particularly from local drainage sources of small size. Consult the community map repository to find updated or additional flood hazard information.</p> <p>BASE FLOOD ELEVATIONS: For more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, consult the Flood Profiles and Floodway Data and/or Summary of Non-Coastal Stillwater Elevations tables within this FIS Report. Use the flood elevation data within the FIS Report in conjunction with the FIRM for construction and/or floodplain management.</p> <p>FLOODWAY INFORMATION: Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the FIS report for this jurisdiction.</p>

Figure 2. FIRM Notes to Users (continued)

FLOOD CONTROL STRUCTURE INFORMATION: Certain areas not in Special Flood Hazard Areas may have reduced flood hazards due to flood control structures. Refer to Section 4.3 "Dams and Other Flood Hazard Reduction Measures" of this FIS Report for information on flood control structures for this jurisdiction.

PROJECTION INFORMATION: The projection used in the preparation of the map was Universal Transverse Mercator (UTM) Zone 11. The horizontal datum was the North American Datum of 1983 (NAD83), GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

ELEVATION DATUM: Flood elevations on the FIRM are referenced to the North American Vertical Datum of 1988 (NAVD88). These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at www.ngs.noaa.gov.

Local vertical monuments may have been used to create the map. To obtain current monument information, please contact the appropriate local community listed in Table 30 of this FIS Report.

BASE MAP INFORMATION: Base map information shown on FIRMs 8711J, 8712J, 8716J, 8717J and 8728J was provided by 2020 USDA – FSA, Aerial Photography Field Office at a 1-meter resolution. Base map information for other FIRMs was provided in digital format by the United States Geological Survey (USGS). The basemap shown is the USGS National Map: Orthoimagery. Last refreshed October, 2020. For information about base maps, refer to Section 6.2 "Base Map" in this FIS Report.

The map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables may reflect stream channel distances that differ from what is shown on the map.

Corporate limits shown on the map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after the map was published, map users should contact appropriate community officials to verify current corporate limit locations.

NOTES FOR FIRM INDEX

REVISIONS TO INDEX: As new studies are performed and FIRM panels are updated within San Bernardino County, California, corresponding revisions to the FIRM Index will be incorporated within the FIS Report to reflect the effective dates of those panels. Please refer to Table 27 of this FIS Report to determine the most recent FIRM revision date for each community. The most recent FIRM panel effective date will correspond to the most recent index date.

ATTENTION: The corporate limits shown are based on the best information available at the time of publication of this FIRM Index. As such, they may be more current than those shown on FIRM panels issued before October 30, 2025.

Figure 2. FIRM Notes to Users (continued)

SPECIAL NOTES FOR SPECIFIC FIRM PANELS

This Notes to Users section was created specifically for San Bernardino County, California, effective October 30, 2025.

ACCREDITED LEVEE SYSTEM: Check with your local community to obtain more information on the levee system(s) shown as providing flood hazard reduction on this panel. To mitigate flood hazards in residual risk areas, property owners and residents are encouraged to review the community's emergency preparedness plan and to consider flood insurance and floodproofing or other risk reduction measures. For more information on flood insurance, interested parties should visit www.fema.gov/flood-insurance.

PROVISIONALLY ACCREDITED LEVEE SYSTEM: Check with your local community to obtain more information on the levee system(s) shown as providing flood hazard reduction on this panel. To mitigate flood hazard in residual risk areas, property owners and residents are encouraged to review the community's emergency preparedness plan and to consider flood insurance and floodproofing or other risk reduction measures. For more information on flood insurance, interested parties should visit www.fema.gov/flood-insurance.

NON-ACCREDITED LEVEE SYSTEM: This panel contains a levee system that has not been accredited and is therefore not recognized as reducing the 1-percent-annual-chance flood hazard.

FLOOD RISK REPORT: A Flood Risk Report (FRR) may be available for many of the flooding sources and communities referenced in this FIS Report. The FRR is provided to increase public awareness of flood risk by helping communities identify the areas within their jurisdictions that have the greatest risks. Although non-regulatory, the information provided within the FRR can assist communities in assessing and evaluating mitigation opportunities to reduce these risks. It can also be used by communities developing or updating flood risk mitigation plans. These plans allow communities to identify and evaluate opportunities to reduce potential loss of life and property. However, the FRR is not intended to be the final authoritative source of all flood risk data for a project area; rather, it should be used with other data sources to paint a comprehensive picture of flood risk.

Each FIRM panel contains an abbreviated legend for the features shown on the maps. However, the FIRM panel does not contain enough space to show the legend for all map features. Figure 3 shows the full legend of all map features. Note that not all of these features may appear on the FIRM panels in San Bernardino County.

Figure 3: Map Legend for FIRM

<p>SPECIAL FLOOD HAZARD AREAS: The 1% annual chance flood, also known as the base flood or 100-year flood, has a 1% chance of happening or being exceeded each year. Special Flood Hazard Areas are subject to flooding by the 1% annual chance flood. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood. The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights. See note for specific types. If the floodway is too narrow to be shown, a note is shown.</p>	
	Special Flood Hazard Areas subject to inundation by the 1% annual chance flood (Zones A, AE, AH, AO, AR, A99, V and VE)
Zone A	The flood insurance rate zone that corresponds to the 1% annual chance floodplains. No base (1% annual chance) flood elevations (BFEs) or depths are shown within this zone.
Zone AE	The flood insurance rate zone that corresponds to the 1% annual chance floodplains. Base flood elevations derived from the hydraulic analyses are shown within this zone.
Zone AH	The flood insurance rate zone that corresponds to the areas of 1% annual chance shallow flooding (usually areas of ponding) where average depths are between 1 and 3 feet. Whole-foot BFEs derived from the hydraulic analyses are shown at selected intervals within this zone.
Zone AO	The flood insurance rate zone that corresponds to the areas of 1% annual chance shallow flooding (usually sheet flow on sloping terrain) where average depths are between 1 and 3 feet. Average whole-foot depths derived from the hydraulic analyses are shown within this zone.
Zone AR	The flood insurance rate zone that corresponds to areas that were formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
Zone A99	The flood insurance rate zone that corresponds to areas of the 1% annual chance floodplain that will be protected by a Federal flood protection system where construction has reached specified statutory milestones. No base flood elevations or flood depths are shown within this zone.
Zone V	The flood insurance rate zone that corresponds to the 1% annual chance coastal floodplains that have additional hazards associated with storm waves. Base flood elevations are not shown within this zone.
Zone VE	Zone VE is the flood insurance rate zone that corresponds to the 1% annual chance coastal floodplains that have additional hazards associated with storm waves. Base flood elevations derived from the coastal analyses are shown within this zone as static whole-foot elevations that apply throughout the zone.
	Regulatory Floodway determined in Zone AE.

Figure 3: Map Legend for FIRM (continued)

 <p>FLOOD INSURANCE IS NOT AVAILABLE FOR STRUCTURES NEWLY BUILT OR SUBSTANTIALLY IMPROVED ON OR AFTER APRIL 8, 1987, IN THE DESIGNATED COLORADO RIVER FLOODWAY</p>	<p>The Colorado River Floodway was established by Congress in the Colorado River Floodway Protection Act of 1986, Public Law 99-450 (100 Statute 1129). The Act imposes certain restrictions within the Floodway.</p>
<p>OTHER AREAS OF FLOOD HAZARD</p>	
	<p>Shaded Zone X: Areas of 0.2% annual chance flood hazards and areas of 1% annual chance flood hazards with average depths of less than 1 foot or with drainage areas less than 1 square mile.</p>
	<p>Future Conditions 1% Annual Chance Flood Hazard – Zone X: The flood insurance rate zone that corresponds to the 1% annual chance floodplains that are determined based on future-conditions hydrology. No base flood elevations or flood depths are shown within this zone.</p>
	<p>Area with Reduced Flood Hazard due to Accredited or Provisionally Accredited Levee System: Area is shown as reduced flood hazard from the 1-percent-annual-chance or greater flood by a levee system. Overtopping or failure of any levee system is possible. See Notes to Users for important information.</p>
<p>OTHER AREAS</p>	
	<p>Zone D (Areas of Undetermined Flood Hazard): The flood insurance rate zone that corresponds to unstudied areas where flood hazards are undetermined, but possible.</p>
	<p>Unshaded Zone X: Areas of minimal flood hazard.</p>
<p>FLOOD HAZARD AND OTHER BOUNDARY LINES</p>	
	<p>Flood Zone Boundary (white line on ortho-photography-based mapping; gray line on vector-based mapping)</p>
	<p>Limit of Study</p>
	<p>Jurisdiction Boundary</p>
	<p>Limit of Moderate Wave Action (LiMWA): Indicates the inland limit of the area affected by waves greater than 1.5 feet</p>
<p>GENERAL STRUCTURES</p>	
 <p>Aqueduct Channel Culvert Storm Sewer</p>	<p>Channel, Culvert, Aqueduct, or Storm Sewer</p>

Figure 3: Map Legend for FIRM (continued)

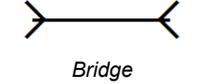
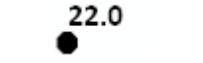
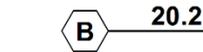
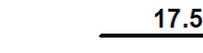
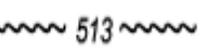
	<p>Dam, Jetty, Weir</p>
	<p>Levee, Dike, or Floodwall</p>
	<p>Bridge</p>
<p>REFERENCE MARKERS</p>	
	<p>River mile Markers</p>
<p>CROSS SECTION & TRANSECT INFORMATION</p>	
	<p>Lettered Cross Section with Regulatory Water Surface Elevation (BFE)</p>
	<p>Numbered Cross Section with Regulatory Water Surface Elevation (BFE)</p>
	<p>Unlettered Cross Section with Regulatory Water Surface Elevation (BFE)</p>
	<p>Coastal Transect</p>
 	<p>Profile Baseline: Indicates the modeled flow path of a stream and is shown on FIRM panels for all valid studies with profiles or otherwise established base flood elevation.</p> <p>Coastal Transect Baseline: Used in the coastal flood hazard model to represent the 0.0-foot elevation contour and the starting point for the transect and the measuring point for the coastal mapping.</p>
	<p>Base Flood Elevation Line</p>
<p>ZONE AE (EL 16)</p> <p>ZONE AO (DEPTH 2)</p> <p>ZONE AO (DEPTH 2) (VEL 15 FPS)</p>	<p>Static Base Flood Elevation value (shown under zone label)</p> <p>Zone designation with Depth</p> <p>Zone designation with Depth and Velocity</p>
<p>BASE MAP FEATURES</p>	
	<p>River, Stream or Other Hydrographic Feature</p>
	<p>Interstate Highway</p>

Figure 3: Map Legend for FIRM (continued)

	U.S. Highway
	State Highway
	County Highway
	Street, Road, Avenue Name, or Private Drive if shown on Flood Profile
	Railroad
	Horizontal Reference Grid Line
	Horizontal Reference Grid Ticks
	Secondary Grid Crosshairs
Land Grant	Name of Land Grant
7	Section Number
R. 43 W. T. 22 N.	Range, Township Number
4276⁰⁰⁰mE	Horizontal Reference Grid Coordinates (UTM)
365000 FT	Horizontal Reference Grid Coordinates (State Plane)
80° 16' 52.5"	Corner Coordinates (Latitude, Longitude)

SECTION 2.0 – FLOODPLAIN MANAGEMENT APPLICATIONS

2.1 Floodplain Boundaries

To provide a national standard without regional discrimination, the 1-percent-annual-chance (100-year) flood has been adopted by FEMA as the base flood for floodplain management purposes. The 0.2-percent-annual-chance (500-year) flood is employed to indicate additional areas of flood hazard in the community.

Each flooding source included in the project scope has been studied and mapped using professional engineering and mapping methodologies that were agreed upon by FEMA and San Bernardino County as appropriate to the risk level. Flood risk is evaluated based on factors such as known flood hazards and projected impact on the built environment. Engineering analyses were performed for each studied flooding source to calculate its 1-percent-annual-chance flood elevations; elevations corresponding to other floods (e.g. 10-, 4-, 2-, 0.2-percent annual chance, etc.) may have also been computed for certain flooding sources. Engineering models and methods are described in detail in Section 5.0 of this FIS Report. The modeled elevations at cross sections were used to delineate the floodplain boundaries on the FIRM; between cross sections, the boundaries were interpolated using elevation data from various sources. More information on specific mapping methods is provided in Section 6.0 of this FIS Report.

Depending on the accuracy of available topographic data (Table 22), study methodologies employed (Section 5.0), and flood risk, certain flooding sources may be mapped to show both the 1-percent and 0.2-percent-annual-chance floodplain boundaries, regulatory water surface elevations (BFEs), and/or a regulatory floodway. Similarly, other flooding sources may be mapped to show only the 1-percent-annual-chance floodplain boundary on the FIRM, without published water surface elevations. In cases where the 1-percent and 0.2-percent-annual-chance floodplain boundaries are close together, only the 1-percent-annual-chance floodplain boundary is shown on the FIRM. Figure 3, “Map Legend for FIRM”, describes the flood zones that are used on the FIRMs to account for the varying levels of flood risk that exist along flooding sources within the project area. Table 2 and Table 3 indicate the flood zone designations for each flooding source and each community within San Bernardino County, respectively.

Table 2, “Flooding Sources Included in this FIS Report,” lists each flooding source, including its study limits, affected communities, mapped zone on the FIRM, and the completion date of its engineering analysis from which the flood elevations on the FIRM and in the FIS Report were derived. Descriptions and dates for the latest hydrologic and hydraulic analyses of the flooding sources are shown in Table 12. Floodplain boundaries for these flooding sources are shown on the FIRM (published separately) using the symbology described in Figure 3. On the map, the 1-percent-annual-chance floodplain corresponds to the SFHAs. The 0.2-percent-annual-chance floodplain shows areas that, although out of the regulatory floodplain, are still subject to flood hazards.

Small areas within the floodplain boundaries may lie above the flood elevations but cannot be shown due to limitations of the map scale and/or lack of detailed topographic data. The procedures to remove these areas from the SFHA are described in Section 6.5 of this FIS Report.

Within this jurisdiction, there are one or more levee systems that have not been demonstrated by the communities or levee owners to meet the requirements of the Code of Federal Regulations, Title 44, Section 65.10 (44 CFR 65.10) as it relates to the levee system's capacity to provide 1-percent-annual-chance flood hazard reduction. As such, the floodplain boundaries in this area are subject to change. Please refer to Section 4.4 of this FIS Report for more information on how this may affect the floodplain boundaries shown on this FIRM.

Table 2: Flooding Sources Included in this FIS Report

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Alto Loma Basins Overflow, Apple Valley Dry Lake, Big Morongo Creek, Borosolvay Wash, Burnt Mountain Creek, Buzzard Wash, Chicken Springs Creek, Cucamonga Creek, Cypress Channel, Daley Channel Overflow, Deer Creek, Demens Channel, Devil and Cable Canyon Channel, Division Creek, East Burnt Mountain Creek, East Fork Little Morongo Creek, Gateway Wash, Half-Way Wash, Hospital Canyon, Lake Baldwin, Lemon Lilly Creek, Lenwood Channel, Little Morongo Creek, Little Sand Creek Channel, Lodge Creek	Various	Various	Various	15030101, 18070203, 18090205, 18090208, 18100100	Various	Various	N	A	Unknown

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
<i>(continued)</i> Long Canyon, Lower Cucamonga Creek, Lower Mill Creek, Metcalf Creek, Mill Creek (at Big Bear Lake), Miller Creek, Mountain Home Creek, North Barstow Tributary, Oro Grande Creek, Palms Channel, Pinto Cove Wash, Pinyon Creek, Red Ant Creek, Roadrunner Wash, San Timoteo Wash, Saw Mill Creek, Slide Creek, Snow Creek, Soda Lake, Storey Wash, Tributary to East Barstow Channel, Unnamed Creek Tributary to Twentynine Palms Channel, Unnamed Washes Tributary to the Mojave River, West Burnt Mountain Creek, Wilson Creek	Various	Various	Various	15030101, 18070203, 18090208, 18100100	Various	Various	N	A	Unknown

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Horsethief Canyon Creek, Plunge Creek, West Fork Mojave River	Various	Various	Various	18070203, 18090208	Various	Various	N	A	September 1975
Fox Wash, Leming Wash, Lillyhill Wash, Old Deer Creek, Rathbone Creek, Wash A at Needles, Wash B at Needles, West Cucamonga Creek	Various	Various	Various	15030101, 18070203	Various	Various	N	A	March 1978
Cemetery Creek, Covington Wash, Coyote Creek Wash, Little Chino Creek, Wildwood Channel, Wounder Valley Wash	Various	Various	Various	15030101, 18070203	Various	Various	N	A	January 1985
Acorn Canyon Creek, Argus Channel, Baldwin Lake, Bear Creek, Big Bear Lake, City Creek, Day Creek, Dean Wash, Del Rosa Channel, Desert Knolls Wash, Fortynine Palms Channel, Goats Wash	Various	Various	Various	18070203, 18090205, 18090208, 18100100, 18100201	Various	Various	N	A	October 1991

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
<i>(continued)</i> Grass Valley Creek, Grass Valley Lake, Green Valley Creek, Green Valley Lake, Holiday Wash, Joshua Tree Creek, Lake Arrowhead, Lake Gregory, Leopard Spring Creek, Little Bear Creek, Lytle Creek Wash, Mojave River, Needles Flood Channel, Oak Glen Creek, Oasis Creek, Palo Verde Wash, Quail Wash, Rockcrusher Channel, San Antonio Creek, SBCFCD Channel A, Seeley Creek, Seeley East Creek, Seeley East Creek Tributary, Sheep Creek, Silver Lake, Silverwood Lake, Smith Canyon Creek, South Fork Lytle Creek	Various	Various	Various	15030101, 18070203, 18090205, 18090208, 18100100, 18100201	Various	Various	N	A	October 1991

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
<i>(continued)</i> Swarthout Creek, Sycamore Creek, Twins Lake, Van Dusen Creek, Water Canyon Tributary, Yermo Flood Channel, Yucca Creek (At Joshua Tree), Yucca Creek (At Yucca Valley)	Various	Various	Various	18070203, 18090208, 18100100	Various	Various	N	A	October 1991
Cable Creek, Cajon Wash, Devil Creek, East Twin Creek, Sand Creek, Santa Ana River, Twin Creek Channel	Various	Various	Various	18070203	Various	Various	N	A	November 1991
11th Street Storm Drain	Colton, City of	Confluence with Santa Ana River	Approximately 500 feet upstream of Railroad	18070203	1.7		Y	AE	March 1986
Antelope Valley Wash	Hesperia, City of	Approximately 1,030 feet upstream of confluence with Mojave River	Approximately 200 feet upstream of Rancho Rd	18090208	4.5		Y	AE	June 1995
Armory Creek	San Bernardino County Unincorporated Areas	At Monterey Ave	Approximately 200 feet upstream of Fifth St	18090208	0.2		N	AE	October 1991

*Data Not Available

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Arrowhead Channel	San Bernardino County Unincorporated Areas	Confluence with Mojave River	Approximately 1,300 feet upstream of Dobbs Rd	18090208	0.3		Y	AE	October 1991
Cable Creek	San Bernardino, City of	Confluence with Devil Creek Diversion Channel	Approximately 2,700 feet upstream of N Little League Dr	18070203	1.8		N	AE	November 1991
Cable Creek Channel	San Bernardino, City of	Confluence with Devils Creek Diversion Channel	Approximately 2,200 feet above confluence with Devils Creek Diversion Channel	18070203	0.5		N	AE	November 1991
Cajon Wash	San Bernardino, City of; San Bernardino County Unincorporated Areas	Confluence with Lytle Creek	Approximately 3,250 feet upstream of Institution Road	18070203	2.9		N	AE	July 2022
Carbon Canyon Creek	Chino Hills, City of; Chino, City of	Confluence with Chino Creek	Approximately 100 feet upstream of English Rd	18070203	2.8		Y	AE	January 1997
Chicken Springs Creek	Yucaipa, City of	Confluence with Wilson Creek	Approximately 100 feet downstream of 4th St	18070203	2.0		Y	AE	*
Chino Creek	San Bernardino County Unincorporated Areas	Confluence with San Antonio Channel	At Riverside Dr	18070203	0.5		Y	AE	October 1991

*Data Not Available

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
City Creek	Highland, City of; San Bernardino, City of; San Bernardino County Unincorporated Areas	Upstream of confluence with Twin/Warm Creek Channel	Approximately 600 feet upstream of Del Rosa Ave	18070203	2.9		Y	AE	October 1991
Colorado River	Colorado River Indian Tribes; Fort Mojave Indian Tribe; Needles, City of; San Bernardino County Unincorporated Areas	U.S. - Mexico Border Approximately 3 miles downstream of California Ave	Approximately 1.4 miles upstream of Solo Ranch Rd	15030101, 15030104	87.1		Y	AE	October 1991
Colton Southwest Storm Drain	San Bernardino County Unincorporated Areas	Approximately 3,100 feet downstream of Fogg St	At W M St	18070203	1.4		N	AO	October 1991
Cucamonga Creek	Rancho Cucamonga, City of; San Bernardino County Unincorporated Areas; Upland, City of	*	*	18070203	1.3		N	AE	October 1991
Day Creek	Ontario, City of; Rancho Cucamonga, City of	*	*	18070203	*		N	AE	September 1975
Deer Creek	Ontario, City of; Rancho Cucamonga, City of	*	*	18070203	*		N	AE	March 1978
Del Rosa Channel	San Bernardino, City of	Confluence with Warm Creek	At Daley Basin	18070203	0.2		N	AE	October 1991
Desert Knolls Wash	Apple Valley, Town of	Approximately 533 feet upstream of Owatonna Road	Approximately 100 feet upstream of Corwin Rd	18090208	1.6		Y	AE	October 1991

*Data Not Available

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Devil Creek	San Bernardino, City of	Confluence with West Badger Channel	Approximately 1.5 miles upstream of confluence with West Badger Channel	18070203	1.5		N	AE	November 1991
Eagle Pass Wash	Needles, City of	Approximately 1,800 feet downstream of Needles Fwy	Approximately 1.6 miles upstream of El Monte St	15030101	0.7		N	AO	March 1978
East Adelanto Channel	Adelanto, City of	At Auburn Ave	Approximately 100 feet upstream of Adelanto Rd	18090208	1.0		N	AE	February 1978
East Barstow Channel	Barstow, City of	Confluence with Mojave River	Approximately 1,900 feet upstream of Needles Fwy	18090208	0.1		N	AO	October 1991
East Etiwanda Creek	Rancho Cucamonga, City of	Approximately 200 feet upstream of San Bernardino Ave	At Foothill Blvd	18070203	*		N	AE	September 1975
East Rialto Storm Drain	San Bernardino, City of	At W Rialto Ave	Approximately 1,100 feet upstream of S Pepper Ave	18070203	0.8		N	AE	November 1991
Etiwanda/San Sevaine System	Fontana, City of; Rancho Cucamonga, City of; San Bernardino County Unincorporated Areas	Approximately 700 feet downstream of Railroad	Approximately 300 feet upstream of Wilson Ave	18070203	8.3		Y	AE	August 2011
Grout Creek	San Bernardino County Unincorporated Areas	At Big Bear Lake	Approximately 300 feet upstream of North Shore Dr	18070203	0.3		Y	AE	October 1991

*Data Not Available

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Highgrove Channel	Colton, City of	Confluence with Santa Ana River	Approximately 260 feet downstream of upper crossing of Trailer Park	18070203	1.0		Y	AE	March 2020
Hook Creek	San Bernardino County Unincorporated Areas	Confluence with Fern Canyon	Approximately 650 feet upstream of Hook Creek Rd	18090208	1.6		Y	AE	July 2006
Houston Creek	San Bernardino County Unincorporated Areas	Confluence with Lake Gregory	At Manzanita Dr	18090208	0.6		Y	AE	October 1991
Joshua Tree Creek	San Bernardino County Unincorporated Areas	Confluence with Yucca Creek	Approximately 380 feet upstream of Valley View Street	18100100	2.7		Y	AE	January 1985
Joshua Tree Creek	San Bernardino County Unincorporated Areas	Approximately 380 feet upstream of Valley View Street	Just upstream of Twentynine Palms Highway	18100100	4.8		Y	AE	April 2023
Kitchen Wash	Barstow, City of	Approximately 300 feet downstream of Rimrock Rd	Approximately 4,400 feet upstream of Rimrock Rd	18090208	*		N	AE	October 1991
Kuffel Canyon Creek	San Bernardino County Unincorporated Areas	At Lake Arrowhead	Approximately 50 feet upstream of County Highway 73	18090208	0.2		Y	AE	October 1991
Lenwood Creek	Barstow, City of	At Cannae Rd	At Lenwood Dr	18090208	2.5		N	AE	October 1991

*Data Not Available

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Little Mountain Channel	San Bernardino, City of	Approximately 1,400 feet downstream of Newark St	Approximately 650 feet upstream of North Park Blvd	18070203	2.5		N	AE	November 1991
Little Sand Creek	San Bernardino, City of	Confluence with Del Rosa Channel	Approximately 1,000 feet upstream of E Foothill Dr	18070203	1.6		N	AE	November 1991
Lytle Creek	Fontana, City of; Rialto, City of; San Bernardino, City of; San Bernardino County Unincorporated Areas	Approximately 590 feet upstream of Foothill Boulevard	Approximately 4,000 feet upstream of Glen Helen Parkway	18070203	3.7		N	AE	July 2022
Lytle Creek and South Fork Lytle Creek	San Bernardino County Unincorporated Areas	Approximately 1,500 feet downstream of confluence with Middle Branch Lytle Creek	Approximately 3,700 feet upstream of confluence with Middle Branch Lytle Creek	18070203	1.0		Y	AE	January 1985
Lytle Creek (East Branch)	San Bernardino, City of	Approximately 1,300 feet upstream of confluence with Santa Ana River	Approximately 1,000 feet upstream of West Fifth St	18070203	5.0		N	AE	November 1991
Lytle Creek Left Split	San Bernardino, City of; San Bernardino County Unincorporated Areas	Approximately 3,500 feet downstream of Divergence from Lytle Creek	Divergence from Lytle Creek	18070203	0.7		N	AE	July 2022
Middle Fork Lytle Creek	San Bernardino County Unincorporated Areas	Confluence with South Fork Lytle Creek	Approximately 3,500 feet upstream of S Fork Rd	18070203	0.9		Y	AE	January 1985

*Data Not Available

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Mill Creek Downstream	San Bernardino County Unincorporated Areas	Confluence with Santa Ana River	Approximately 0.9 miles upstream of confluence with Santa Ana River	18070203	0.9		N	AE	August 2014
Mill Creek Upstream	San Bernardino County Unincorporated Areas	Approximately 0.9 miles upstream of confluence with Santa Ana River	Approximately 3.7 miles upstream of confluence with Santa Ana River	18070203	2.8		N	AE	March 2008
Mojave River	San Bernardino County Unincorporated Areas	Approximately 2.8 miles downstream of Rock Springs Rd	At Rock Springs Rd	18090208	2.8		Y	AE	October 1991
Mojave River (At Barstow)	Barstow, City of	Confluence with Yucca Creek	Approximately 195 feet downstream of Lenwood Rd	18090208	12.0		Y	AE	October 1991
Mojave River (At Hesperia and Apple Valley)	San Bernardino County Unincorporated Areas	Approximately 2.7 miles downstream of Railroad	At Railroad	18090208	2.7		Y	AE	October 1991
Mojave River (Below Victorville)	San Bernardino County Unincorporated Areas	Approximately 6,200 feet downstream of Vista Road Bridge	Approximately 2,261 feet downstream of Vista Road	18090208	14.6		Y	AE	October 1991
Mojave River (Upper Narrows)	San Bernardino County Unincorporated Areas	At upstream limit of State Highway 18	Approximately 2,600 feet downstream of Yucca Loma Rd	18090208	2.7		Y	AE	October 1991
North Fork Lytle Creek	San Bernardino County Unincorporated Areas	Confluence with Middle Fork Lytle Creek	Approximately 1,000 feet upstream of Sycamore Dr	18070203	2.2		Y	AE	October 1991

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Oak Glen Creek	Yucaipa, City of	Confluence with Wilson Creek	Approximately 900 feet upstream of the confluence	18070203	0.1		N	AE	April 2023
Ontario Motor Speedway Drain	Ontario, City of	*	*	18070203	*		N	AE	October 1991
Pinyon Creek	Yucca Valley, Town of	Approximately 740 feet downstream of Camino del Cielo Trl	At Fairway Dr	18100100	0.6		Y	AE	October 1991
Prado Lane Creek	Loma Linda, City of	Confluence with Reche Canyon Channel	Approximately 2,500 feet upstream of confluence with Reche Canyon Channel	18070203	0.9		N	A	November 1985
Quail Wash	San Bernardino County Unincorporated Areas	Confluence with Joshua Tree Creek	Approximately 600 feet upstream of Easterly Dr	18100100	1.5		Y	AE	January 1985
Rathbun Creek	Big Bear Lake, City of	At Big Bear Lake	At Goldmine Dr	18070203	2.7		N	AE	October 1991
Reche Canyon (Channel)	Colton, City of	At intersection of Barton Road and Reche Canyon Road	At intersection of Hunts Lane and Barton Road	18070203	3.0		N	AE	December 1997
Reche Canyon (Channel)	Colton, City of	Confluence with Santa Ana River	At E Washington St	18070203	1.1		N	A	March 1986
San Antonio Drain	Ontario, City of	*	*	18070203	*		N	AE	March 1978

*Data Not Available

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
San Timoteo Creek	Colton, City of; Loma Linda, City of; Redlands, City of; San Bernardino, City of	Confluence with Santa Ana River	Approximately 4,000 feet upstream of San Timoteo Canyon Road	18070203	1.2		Y	AE	June 2001
San Timoteo Wash A	Colton, City of; Loma Linda, City of; Redlands, City of; San Bernardino, City of	*	*	18070203	*		N	AE	June 2001
San Timoteo Wash B	Colton, City of; Loma Linda, City of; Redlands, City of; San Bernardino, City of	*	*	18070203	*		N	AE	June 2001
Sand Creek	Highland, City of; San Bernardino, City of	At Highland Ave	Approximately 1,000 feet upstream of confluence with Warm Creek	18070203	1.2		N	AE	November 1991
Santa Ana River	Highlands, City of; Redlands, City of; San Bernardino, City of; San Bernardino County Unincorporated Areas	Approximately 55 miles upstream of Pacific Ocean	Approximately 2,800 feet upstream of Santa Ana Canyon Rd	18070203	18.8		Y	AE	November 1991
Santa Ana River	Colton, City of; Grand Terrace, City of	Approximately 3,905 feet downstream of South La Cadena Drive	Approximately 4,180 feet upstream of South La Cadena Drive	18070203	2.8		Y	AE	April 2023
Santa Ana River (With Levee)	Colton, City of	At County Boundary	Approximately 7,125 feet upstream from County Boundary	18070203	1.3		N	AE	March 2020

*Data Not Available

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Smoke Tree Wash	Twentynine Palms, City of	Approximately 500 feet downstream of Hatch Rd	Approximately 4,100 feet upstream of Sullivan Rd	18100100	1.1		N	AO	October 1991
Soapmine Creek	San Bernardino County Unincorporated Areas	Approximately 504 feet downstream of Soapmine Rd	Approximately 2,900 feet upstream of Soapmine Rd	18090208	0.7		Y	AE	October 1991
Southwest Barstow Channel A	Barstow, City of	Approximately 3,100 feet downstream of W Main St	At Vineyard St	18090208	1.0		N	AE	October 1991
Sycamore Creek	San Bernardino, City of; San Bernardino County Unincorporated Areas	Confluence with Lytle Creek	Approximately 5,375 feet upstream of confluence with Lytle Creek	18070203	1.0		N	AE	July 2022
Twentynine Palms Channel	Twentynine Palms, City of	Approximately 446 feet downstream of Bullion Mountain Road	Approximately 170 feet upstream of Twentynine Palms Hwy	18100100	7.3		Y	AE	October 1991
Twin Creek Channel (formerly Lower Warm Creek)	San Bernardino, City of	Confluence with Santa Ana River	Approximately 150 feet downstream of E Mill St	18070203	1.9		N	AE	November 1991
Warm Creek	Highland, City of	Confluence with East Twin Creek	Confluence with Sand Creek	18070203	1.6		Y	AE	September 1975
Washes B, C, and D at Barstow	Barstow, City of	City of Barstow eastern corporate limits	City of Barstow southern corporate limits	18090208	*		N	AE	October 1991

*Data Not Available

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi ²) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Waterman Canyon	San Bernardino County Unincorporated Areas	Approximately 1,954 feet upstream of Old Waterman Canyon	Approximately 900 feet upstream of Rim of the World Hwy	18070203	0.9		Y	AE	October 1991
Western Avenue Stormdrain	San Bernardino, City of	Confluence with Davis Canyon Channel	Approximately 750 feet upstream of Northpark Blvd	18070203	0.9		N	AE	November 1991
West Barstow Channel	Barstow, City of	Approximately 750 feet downstream of W Main St	Approximately 1000 feet upstream of I-15	18070203	*		N	AE	October 1991
West Fontana Channel	Fontana, City of; San Bernardino County Unincorporated Areas	Approximately 12,900 feet downstream of Citrus Avenue	Approximately 7,000 feet upstream of Citrus Avenue	18070203	3.2		N	AE	May 2022
Wildwood Channel	Yucaipa, City of	Confluence with Wilson Creek	Approximately 2,700 feet downstream of the confluence with Yucaipa Creek	18070203	0.7		N	AE	June 1972
Wildwood Channel	Yucaipa, City of	Approximately 2,700 feet downstream of the confluence with Yucaipa Creek	Approximately 3,500 feet upstream of Bryant Street	18070203	2.3		N	AE	May 2013
Wilson Creek	Yucaipa, City of	Approximately 900 feet upstream of West Yucaipa Boulevard	Approximately 1,200 feet downstream of I-10	18070203	2.2		Y	AE	April 2014

*Data Not Available

Table 2: Flooding Sources Included in this FIS Report (continued)

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Wilson Creek	Yucaipa, City of	Approximately 640 feet upstream of Fremont Street	Approximately 3,180 feet downstream of the confluence with Oak Glen Creek	18070203	1.8		N	AE	April 2023
Yermo Flood Channel	San Bernardino County Unincorporated Areas	Approximately 1,015 feet downstream of Railroad	Approximately 4,800 feet upstream of First St	18090208	2.0		Y	AE	October 1991
Yucaipa Creek	Yucaipa, City of	Confluence with Wildwood Channel	Approximately 800 feet upstream of California St	18070203	1.8		Y	AE	October 1991
Yucca Creek (At Joshua Tree)	San Bernardino County Unincorporated Areas	At Sunever Rd	At Paxton Rd	18100100	8.0		Y	AE	January 1985
Yucca Creek (At Yucca Valley)	San Bernardino County Unincorporated Areas	At Paxton Rd	At Acoma Trl	18100100	2.8		Y	AE	October 1991
The Zanja	San Bernardino County Unincorporated Areas	At Wabash Ave	At E Colton Ave	18070203	1.8		Y	AE	October 1991
The Zanja Downstream	Loma Linda, City of; Redlands, City of; San Bernardino County Unincorporated Areas	Approximately 1,200 feet downstream of Interstate 10	Approximately 75 feet downstream of North Lincoln Street	18070203	5.8		N	AE	June 2020

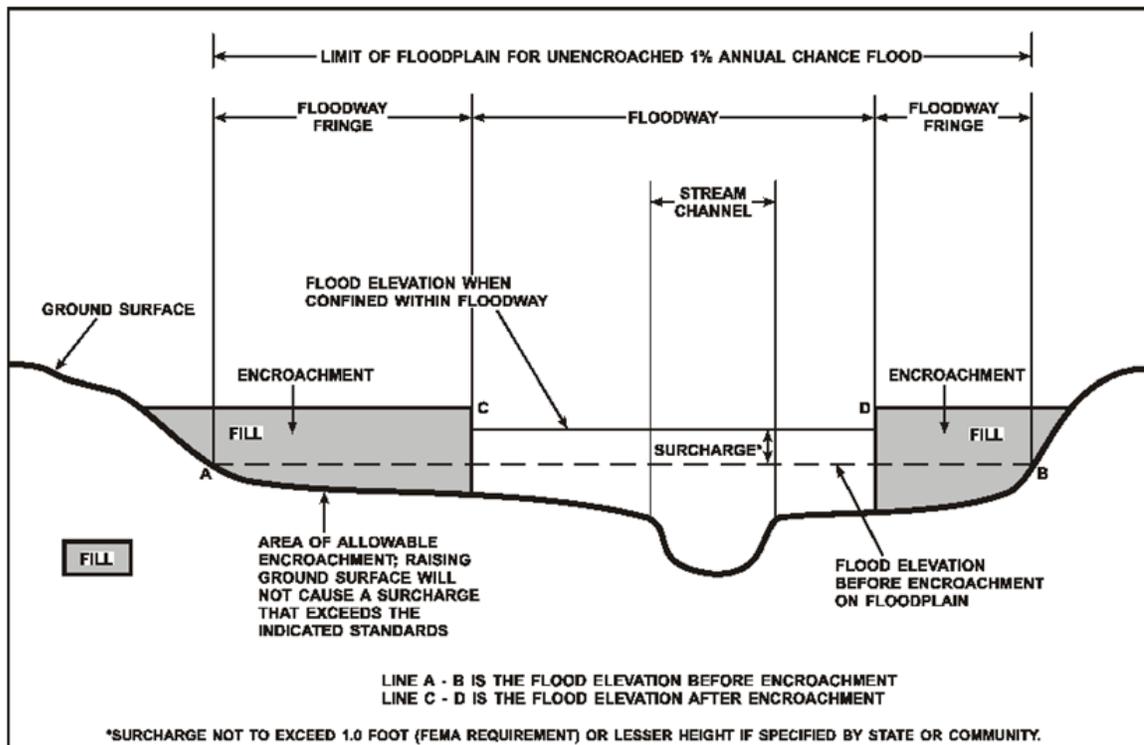
2.2 Floodways

Encroachment on floodplains, such as structures and fill, reduces flood-carrying capacity, increases flood heights and velocities, and increases flood hazards in areas beyond the encroachment itself. One aspect of floodplain management involves balancing the economic gain from floodplain development against the resulting increase in flood hazard.

For purposes of the NFIP, a floodway is used as a tool to assist local communities in balancing floodplain development against increasing flood hazard. With this approach, the area of the 1-percent-annual-chance floodplain on a river is divided into a floodway and a floodway fringe based on hydraulic modeling. The floodway is the channel of a stream, plus any adjacent floodplain areas, that must be kept free of encroachment in order to carry the 1-percent-annual-chance flood. The floodway fringe is the area between the floodway and the 1-percent-annual-chance floodplain boundaries where encroachment is permitted. The floodway must be wide enough so that the floodway fringe could be completely obstructed without increasing the water surface elevation of the 1-percent-annual-chance flood more than 1 foot at any point. Typical relationships between the floodway and the floodway fringe and their significance to floodplain development are shown in Figure 4.

To participate in the NFIP, Federal regulations require communities to limit increases caused by encroachment to 1.0 foot, provided that hazardous velocities are not produced. The floodways in this project are presented to local agencies as minimum standards that can be adopted directly or that can be used as a basis for additional floodway projects.

Figure 4: Floodway Schematic



Floodway widths presented in this FIS Report and on the FIRM were computed at cross sections. Between cross sections, the floodway boundaries were interpolated. For certain stream segments, floodways were adjusted so that the amount of floodwaters conveyed on each side of the floodplain would be reduced equally. The results of the floodway computations have been tabulated for selected cross sections and are shown in Table 23, "Floodway Data."

All floodways that were developed for this Flood Risk Project are shown on the FIRM using the symbology described in Figure 3. In cases where the floodway and 1-percent-annual-chance floodplain boundaries are either close together or collinear, only the floodway boundary has been shown on the FIRM. For information about the delineation of floodways on the FIRM, refer to Section 6.3.

2.3 Base Flood Elevations

The hydraulic characteristics of flooding sources were analyzed to provide estimates of the elevations of floods of the selected recurrence intervals. The BFE is the elevation of the 1-percent-annual-chance flood. These BFEs are most commonly rounded to the whole foot, as shown on the FIRM, but in certain circumstances or locations they may be rounded to 0.1 foot. Cross section lines shown on the FIRM may also be labeled with the BFE rounded to 0.1 foot. Whole-foot BFEs derived from engineering analyses that apply to coastal areas, areas of ponding, or other static areas with little elevation change may also be shown at selected intervals on the FIRM.

BFEs are primarily intended for flood insurance rating purposes. Cross sections with BFEs shown on the FIRM correspond to the cross sections shown in the Floodway Data table and Flood Profiles in this FIS Report. For construction and/or floodplain management purposes, users are cautioned to use the flood elevation data presented in this FIS Report in conjunction with the data shown on the FIRM. For example, the user may use the FIRM to determine the stream station of a location of interest and then use the profile to determine the 1-percent annual chance elevation at that location. Because only selected cross sections may be shown on the FIRM for riverine areas, the profile should be used to obtain the flood elevation between mapped cross sections. Additionally, for riverine areas, whole-foot elevations shown on the FIRM may not exactly reflect the elevations derived from the hydraulic analyses; therefore, elevations obtained from the profile may more accurately reflect the results of the hydraulic analysis.

2.4 Non-Encroachment Zones

This section is not applicable to this Flood Risk Project.

2.5 Coastal Flood Hazard Areas

This section is not applicable to this Flood Risk Project.

2.5.1 Water Elevations and the Effects of Waves

This section is not applicable to this Flood Risk Project.

Figure 5: Wave Runup Transect Schematic

[Not applicable to this Flood Risk Project]

2.5.2 Floodplain Boundaries and BFEs for Coastal Areas

This section is not applicable to this Flood Risk Project.

2.5.3 Coastal High Hazard Areas

This section is not applicable to this Flood Risk Project.

Figure 6: Coastal Transect Schematic

[Not applicable to this Flood Risk Project]

2.5.4 Limit of Moderate Wave Action

This section is not applicable to this Flood Risk Project.

SECTION 3.0 – INSURANCE APPLICATIONS

3.1 National Flood Insurance Program Insurance Zones

For flood insurance applications, the FIRM designates flood insurance rate zones as described in Figure 3, “Map Legend for FIRM.” Flood insurance zone designations are assigned to flooding sources based on the results of the hydraulic or coastal analyses. Insurance agents use the zones shown on the FIRM and depths and base flood elevations in this FIS Report in conjunction with information on structures and their contents to assign premium rates for flood insurance policies.

The 1-percent-annual-chance floodplain boundary corresponds to the boundary of the areas of special flood hazards (e.g. Zones A, AE, V, VE, etc.), and the 0.2-percent-annual-chance floodplain boundary corresponds to the boundary of areas of additional flood hazards.

Table 3 lists the flood insurance zones in San Bernardino County.

Table 3: Flood Zone Designations by Community

Community	Flood Zone(s)
Adelanto, City of	A, AE, D, X
Apple Valley, Town of	A, AE, D, X
Barstow, City of	A, AE, AO, D, X
Big Bear Lake, City of	A, AE, D, X
Chino Hills, City of	A, AE, D, X
Chino, City of	A, AE, AO, D, X
Colorado River Indian Tribes	AE, D
Colton, City of	A, AE, AH, AO, D, X
Fontana, City of	A, AE, AH, AO, D, X

Table 3: Flood Zone Designations by Community (continued)

Community	Flood Zone(s)
Fort Mojave Indian Tribe	AE, D
Grand Terrace, City of	AE, X
Hesperia, City of	A, AE, D, X
Highland, City of	A, AE, D, X
Loma Linda, City of	A, AE, AO, X
Montclair, City of	A, X
Needles, City of	A, AE, AO, D, X
Ontario, City of	A, AE, AH, AO, D, X
Rancho Cucamonga, City of	A, AE, AO, D, X
Redlands, City of	A, AE, AO, D, X
Rialto, City of	A, D, X
San Bernardino, City of	A, AE, D, X
San Bernardino County Unincorporated Areas	A, AE, AH, AO, D, X
Twentynine Palms, City of	A, AE, AO, D, X
Upland, City of	A, AO, X
Victorville, City of	A, AE, D, X
Yucaipa, City of	A, AE, AO, D, X
Yucca Valley, Town of	A, AE, D, X

SECTION 4.0 – AREA STUDIED

4.1 Basin Description

Table 4 contains a description of the characteristics of the HUC-8 sub-basins within which each community falls. The table includes the main flooding sources within each basin, a brief description of the basin, and its drainage area.

Table 4: Basin Characteristics

HUC-8 Sub-Basin Name	HUC-8 Sub-Basin Number	Primary Flooding Source	Description of Affected Area	Drainage Area (square miles)
Antelope-Fremont Valleys	18090206	Antelope-Fremont Valleys	Antelope-Fremont Valleys Watershed lies on the western border of San Bernardino County. Much of the watershed covers Kern and Los Angeles Counties.	3,373
Coyote-Cuddeback Lakes	18090207	Coyote-Cuddeback Lakes	Coyote-Cuddeback Lakes Watershed covers most of the north-eastern section of San Bernardino County.	1,848

Table 4: Basin Characteristics (continued)

HUC-8 Sub-Basin Name	HUC-8 Sub-Basin Number	Primary Flooding Source	Description of Affected Area	Drainage Area (square miles)
Death Valley-Lower Amargosa	18090203	Death Valley-Lower Amargosa	Death Valley-Lower Amargosa Watershed covers part of the northern border of San Bernardino County and Inyo County, CA.	5,377
Havasu-Mohave Lakes	15030101	Havasu-Mohave Lakes	Havasu-Mohave Lakes Watershed covers the south-eastern part of San Bernardino County as well as parts of Mohave County, CA and Clark County, NV.	2,783
Imperial Reservoir	15030104	Imperial Reservoir	Imperial Reservoir Watershed covers the south-eastern corner of San Bernardino County.	3,446
Indian Wells-Searles Valleys	18090205	Indian Wells-Searles Valleys	Indian Wells-Searles Valleys Watershed covers the north-western corner of San Bernardino County.	2,019
Ivanpah-Pahrump Valleys	16060015	Ivanpah-Pahrump Valleys	Ivanpah-Pahrump Valleys Watershed covers the north-eastern corner of San Bernardino County.	2,863
Mojave	18090208	Mojave River	Mojave Watershed covers the central and east-central part of San Bernardino County.	4,618
Panamint Valley	18090204	Panamint Valley	Panamint Valley Watershed covers part of the northern border of San Bernardino County and Inyo County, CA.	1,631
Piute Wash	15030102	Piute Wash	Piute Wash Watershed covers part of the eastern border of San Bernardino County. It is west of the Colorado River and Lake Mohave.	1,029
San Gabriel	18070106	San Gabriel River	San Gabriel Watershed covers a small section of the south-western corner of San Bernardino County.	906
Santa Ana	18070203	Santa Ana River	Santa Ana Watershed covers the south-western corner of San Bernardino County. Santa Ana River, the largest river system in California with a total length of 700 miles is the primary waterway for the watershed.	1,694

Table 4: Basin Characteristics (continued)

HUC-8 Sub-Basin Name	HUC-8 Sub-Basin Number	Primary Flooding Source	Description of Affected Area	Drainage Area (square miles)
Southern Mojave	18100100	Southern Mojave River	Southern Mojave Watershed covers the south-central part of San Bernardino County and covers some of Riverside County, CA to the south.	8,864
Upper Amargosa	18090202	Upper Amargosa	Upper Amargosa Watershed covers part of the northern border of San Bernardino County. Most of the watershed lies in Inyo County, CA and Nye County, NV.	3,408
Whitewater River	18100201	Whitewater River	Whitewater River Watershed covers part of the southern border of San Bernardino County and covers some of Riverside County, CA to the south.	1,501

4.2 Principal Flood Problems

Table 5 contains a description of the principal flood problems that have been noted for San Bernardino County by flooding source.

Table 5: Principal Flood Problems

Flooding Source	Description of Flood Problems
Colorado River	Current flooding potential due to the Colorado River is limited to backwater inundation resulting from openings in the levee, designed to allow entrance of tributary flows. When a major storm does move into the area, water collects rapidly as surface runoff and reaches the Colorado River in a short period of time. Consequently, resultant flood flows are of the flash type, having sharp peaks and short durations.
Cucamonga Creek	Cucamonga Creek and its tributaries originate in the mountains. As these flows exit the canyons at the foot of the San Gabriel Mountains, they flow across the sloping alluvial plain. If not contained, these flows result in extensive high-velocity sheet flooding. Little streamflow occurs, except during and immediately after precipitation, because climatic and drainage area characteristics are not conducive to appreciable continuous runoff. Large floods were recorded in Cucamonga Creek and its tributaries in 1889, 1916, 1927, 1954, 1966, and 1969. The estimated peak discharge for the flood of 1969 was 14,100 cfs.
Day Creek	Flooding from ponding is created by manmade obstructions to flow, mainly east-west interstate highway construction and east-west railroad berms.
East Etiwanda Creek	Flooding from ponding is created by manmade obstructions to flow, mainly east-west interstate highway construction and east-west railroad berms.

Table 5: Principal Flood Problems (continued)

Flooding Source	Description of Flood Problems
Morey Wash	Morey Wash drains an area of approximately 4 square miles. Above Brookside Avenue, the flow paths are generally not well defined and tend to follow the street pattern. At Tennessee Street, there is potential for flow to leave the channel, due to a decrease in channel capacity downstream and the limited capacity of the bridge at that location. A significant reduction in channel capacity below Nevada Street, due primarily to a decrease in channel slope, may result in substantial overland flow in that area.
Mojave River	The Mojave River has a large drainage area and has the potential of carrying large discharges as a result of major storms yet is a dry sand wash most of the time. This condition makes it a particularly dangerous flooding source. The hazard was demonstrated in 1969 when the residential area along Crooks Avenue was flooded by the Mojave River.
Needles Flood Channel	In July 1974, Basin No. 2 on the Needles Flood Channel, overflowed because of thunderstorm activity. During tropical storm Kathleen of September 1976, these basins again filled rapidly and threatened another overflow, with the water surface in Basin No. 2 rising to within 1 foot of the spillway crest.
Ontario Motor Speedway Drain	Flooding from ponding is created by manmade obstructions to flow, mainly east-west interstate highway construction and east-west railroad berms. Ponding occurs behind Interstate 10 at the Ontario Motor Speedway Drain crossing. Depth in these ponding areas have reached a maximum of 3 feet for the 1-percent annual chance storm.
Road Runner Wash	In 1976, a 300-foot-wide overflow of Road Runner Wash at River Road undermined 4 feet of the roadway in the area and severed a gas line. This flooding is typical of alluvial fan sheet flooding with unpredictable, highly braided flow paths and depths of flow ranging from 1 to 3 feet.
San Antonio Drain	Flooding from ponding is created by manmade obstructions to flow, mainly east-west interstate highway construction and east-west railroad berms.
San Sevaine Channel	Debris carried down the San Sevaine Channel blocks the culverts at Foothill Boulevard, forces water over the street, and floods dwellings along Banana Avenue. During the flood of 1978, residents of these dwellings incurred property damage in excess of \$100,000. Flooding has also occurred along the San Sevaine Channel at Baseline and Marlay Avenues because of insufficient culvert capacity. The majority of this overflow drains into open area and causes little damage except to the road crossings or the channel itself. In the flood of 2003, the only noteworthy damage was the washout of the small wood railroad bridge crossing the undeveloped portion of the San Sevaine Channel.

Table 5: Principal Flood Problems (continued)

Flooding Source	Description of Flood Problems
San Timoteo Creek	The flood of March 2, 1938 was very intense, with heavy runoff from the San Bernardino and San Gabriel Mountains. The U.S. Army Corps of Engineers (USACE during) estimated flood damages to be approximately \$225,000, most of which was related to damage to roads and railroads. Although flooding was moderate on September 24, 1976, and January 16, 1978, damage to San Timoteo Creek was extensive. Flood flows in San Timoteo Creek within the corporate limits of the City of Redlands are contained in the channel. However, the channel banks are easily eroded by the creek, and the channel can shift position several hundred feet during floodflows.
San Timoteo Wash	The San Timoteo Wash encounters several undersized bridges and limited channel capacity along its 6-mile reach. This causes overland sheet flows from east to west along Redlands Boulevard and in the Cooley Ranch area.
The Zanja	Flooding from The Zanja has resulted in the past from either debris obstruction in the channel or stream discharges that have exceeded channel or culvert capacity.
Various Streams (Cucamonga Channel, Wildwood Channel, Twentynine Palms Channel, and Sand Creek)	The principal flood problem in the desert area is sheet flow flooding. Many areas had flooding up to 2 feet in depth during the 1969 floods in which homes, streets, and utilities were damaged.

Table 6 contains information about historic flood elevations in the communities within San Bernardino County.

Table 6: Historic Flooding Elevations

[Not applicable to this Flood Risk Project]

4.3 Dams and Other Flood Hazard Reduction Measures

Table 7 contains information about non-levee flood hazard reduction measures within San Bernardino County such as dams or jetties. Levee systems are addressed in Section 4.4 of this FIS Report.

Table 7: Dams and Other Flood Hazard Reduction Measures

Flooding Source	Structure Name	Type of Measure	Location	Description of Measure
Arrowhead Channel	1% Annual Chance Flood Contained in Channel	Graded trapezoidal channels	*	Reduces Flooding from Arrowhead Channel
Cajon Creek	Cajon Creek	Channels with revetted levees	*	Channels with revetted levees originally designed to contain 1-percent annual chance or greater flood.

Table 7: Dams and Other Flood Hazard Reduction Measures (continued)

Flooding Source	Structure Name	Type of Measure	Location	Description of Measure
Carbon Canyon Creek	Carbon Creek	Graded trapezoidal channels	*	Reduces Flooding from Carbon Canyon Creek
Cemetery Creek	Cemetery Wash	Graded trapezoidal channels	*	Reduces Flooding from Cemetery Creek
City Creek	City Creek	Channels with revetted levees	*	Channels with revetted levees originally designed to contain 1-percent annual chance or greater flood.
City Creek	City Creek	Graded trapezoidal channels	*	Reduces flooding from City Creek
Cucamonga Creek	1% Annual Chance Flood Contained in Channel	Graded trapezoidal channels	*	Reduces flooding from Cucamonga Creek
Cypress Channel	Cypress Drain	Lined Channel	*	Lined channels designed with capacity equal to or greater than the 1-percent annual chance flood.
Day Creek	Day Creek	Graded trapezoidal channels	*	Reduces flooding from Day Creek
Deer Creek	Deer Creek	Graded trapezoidal channels	*	Reduces flooding from Deer Creek
Del Rosa Channel	Del Rosa Channel	Graded trapezoidal channels	*	Reduces flooding from Del Rosa Channel
Devil Creek	Devil Creek Diversion Channel	Lined Channel	*	Lined channels designed with capacity equal to or greater than the 1-percent annual chance flood.
East Etiwanda Creek	East Etiwanda Creek	Graded trapezoidal channels	*	Reduces flooding from East Etiwanda Creek
East twin Creek	East twin Creek	Lined Channel	*	Lined channels designed with capacity equal to or greater than the 1-percent annual chance flood.
Hospital Canyon	Hospital Channel	Graded trapezoidal channels	*	Reduces flooding from Hospital Canyon

Table 7: Dams and Other Flood Hazard Reduction Measures (continued)

Flooding Source	Structure Name	Type of Measure	Location	Description of Measure
Lytle Creek	Lytle Creek Channel	Channels with revetted levees	*	Channels with revetted levees originally designed to contain 1-percent annual chance or greater flood.
Mojave River Dam	Dam	Dam	*	Earthfill dam designed to reduce floods of greater magnitude than the 1-percent annual chance flood.
Morey Wash	1% Annual Chance Flood Contained in Channel	Channel	*	Channels with revetted levees originally designed to contain 1-percent annual chance or greater flood.
Mill Creek	Flume	Channels with revetted levees	*	Channels with revetted levees originally designed to contain 1-percent annual chance or greater flood.
North Barstow Tributary	North Barstow Tributary	Graded trapezoidal channels	*	Reduces flooding from North Barstow Tributary
Oak Creek	1% Annual Chance Flood Contained in Channel	Channel	*	Channels with revetted levees originally designed to contain 1-percent annual chance or greater flood.
Pinyon Creek	Pinyon Creek	Graded trapezoidal channels	*	Reduces flooding from Pinyon Creek
Plunge Creek	Plunge Creek	Graded trapezoidal channels	*	Reduces flooding from Plunge Creek
Quail Wash	Quail Wash	Channels with revetted levees	*	Channels with revetted levees originally designed to contain 1-percent annual chance or greater flood.

Table 7: Dams and Other Flood Hazard Reduction Measures (continued)

Flooding Source	Structure Name	Type of Measure	Location	Description of Measure
Reche Canyon	Reche Canyon Channel	Graded trapezoidal channels	*	Reduces flooding from Reche Canyon
San Antonio Drain	San Antonio Channel	Lined Channel	*	Lined channels designed with capacity equal to or greater than the 1-percent annual chance flood.
San Antonio Creek/Chino Creek	San Antonio-Chino Creek Channel	Lined Channel	*	Lined channels designed with capacity equal to or greater than the 1-percent annual chance flood.
San Antonio Dam	Dam	Dam	*	Earthfill dam designed to reduce floods of greater magnitude than the 1-percent annual chance flood.
Etiwanda/San Sevaine System	San Sevaine Channel	Graded trapezoidal channels	*	Reduces flooding from Etiwanda/San Sevaine System
San Timoteo Creek	1% Annual Chance Flood Contained in Channel	Graded trapezoidal channels	*	Reduces flooding from San Timoteo Creek
Sand Creek	Sand Creek Channel	Graded trapezoidal channels	*	Reduces flooding from Sand Creek
Santa Ana River	Santa Ana River	Channels with revetted levees	*	Reduces flooding from Santa Ana River
Soapmine Creek	Soapmine Creek Channel	Graded trapezoidal channels	*	Reduces flooding from Soapmine Creek
The Mission Zanja Channel	1% Annual Chance Flood Contained in Channel	Channel	*	Channels with revetted levees originally designed to contain 1-percent annual chance or greater flood.
The Zanja	The Zanja Channel	Channel	*	Reduces flooding from The Zanja
Twentynine Palms Channel	Twentynine Palms Channel	Graded trapezoidal channels	*	Reduces flooding from Twentynine Palms Channel
Twin Creek	Upper East Twin Creek	Channels with revetted levees	*	Channels with revetted levees originally designed to contain 1-percent annual chance or greater flood.

Table 7: Dams and Other Flood Hazard Reduction Measures (continued)

Flooding Source	Structure Name	Type of Measure	Location	Description of Measure
Unnamed Stream	Channel	Channel	*	Reduces flooding from unnamed stream
Van Dusen Creek	Van Dusen Creek Channel	Graded trapezoidal channels	*	Reduces flooding from Van Dusen Creek
Warm Creek	Warm Creek Channel	Lined Channel	*	Lined channels designed with capacity equal to or greater than the 1-percent annual chance flood.
Wildwood Channel	Wildwood Channel	Graded trapezoidal channels	*	Reduces flooding from Wildwood Creek
Wilson Creek	1% Annual Chance Flood Contained in Channel	Channel	*	Channels with revetted levees originally designed to contain 1-percent annual chance or greater flood.
Yermo Flood Channel	Graded trapezoidal channels	Graded trapezoidal channels	*	Reduces flooding from Yermo Flood Channel

4.4 Levee Systems

For purposes of the NFIP, FEMA only recognizes levee systems that meet, and continue to meet, minimum design, operation, and maintenance standards that are consistent with comprehensive floodplain management criteria. The Code of Federal Regulations, Title 44, Section 65.10 (44 CFR 65.10) describes the information needed for FEMA to determine if a levee system reduces the flood hazard from the 1-percent-annual-chance flood. This information must be supplied to FEMA by the community or other party when a flood risk study or restudy is conducted, when FIRMs are revised, or upon FEMA request. FEMA reviews the information for the purpose of establishing the appropriate flood hazard zone.

Levee systems that are determined to reduce the hazard from the 1-percent-annual-chance flood are accredited by FEMA. FEMA can also grant provisional accreditation to a levee system that was previously accredited on an effective FIRM and for which FEMA is awaiting data and/or documentation to demonstrate compliance with 44 CFR 65.10. These levee systems are referred to as Provisionally Accredited Levees, or PALs. Provisional accreditation provides communities and levee owners with a specified timeframe to obtain the necessary data to confirm the levee system's accreditation status. Accredited levee systems and PALs are shown on the FIRM using the symbology shown in Figure 3. If the required information for a PAL is not submitted within the required timeframe, or if information indicates that a levee system no longer meets 44 CFR 65.10, FEMA will consider the levee system as non-accredited and issue an effective FIRM showing the levee-impacted area as a SFHA or Zone D.

In Zone D areas, floodplain management requirements are applied at the discretion of local officials as long as the community complies with the minimum standards of the National Flood Insurance Program (NFIP) regulations cited at 44 CFR 60.3(a). FEMA will depict the Zone D area landward of the levee system on the FIRM with a different symbology than the traditional Zone D area. The differentiation between Zone D symbology will allow various stakeholders to identify Zone D areas landward of the levee system for use in determining flood insurance requirements, enforcing floodplain management and mitigation, and communicating risk. For additional information regarding floodplain management requirements within Zone D areas, please consult with the local floodplain administrator for these communities. There is water surface elevation information available for these Zone D areas for communities use, as referenced in the Zone D Fact Sheets:

- Understanding Zone D for Levees: “Areas of Undetermined Flood Hazards”
www.fema.gov/sites/default/files/2020-08/fema_understanding-zone-D-levees.pdf
- Modeling and Mapping Non-Accredited Levees: Understanding the Zone D Designation: https://www.fema.gov/sites/default/files/documents/fema_natural-valley.pdf

FEMA coordinated with the USACE, the local communities, and other organizations to compile a list of levee systems that exist within San Bernardino County. Table 8, “Levee Systems,” lists all accredited levee systems, PALs, and non-accredited levee systems shown on the FIRM for this FIS Report. Other categories of levees may also be included in the table. The Levee ID shown in this table may not match numbers based on other identification systems that were listed in previous FIS Reports. Levee systems identified in the table are displayed on the FIRM with notes to users to indicate their flood hazard mapping status.

Please note that the information presented in Table 8 is subject to change at any time. For that reason, the latest information regarding the levee systems presented in the table may be obtained by accessing the National Levee Database. For additional information, contact the levee owner/sponsor or the local community shown in Table 30.

Please note that FEMA has identified levee systems in this jurisdiction that have not been demonstrated by the community or levee owner to meet the requirements of 44 CFR 65.10 of the NFIP regulations as it relates to the levee system’s capacity to provide 1-percent-annual-chance flood hazard reduction. As such, the existing flood hazard analysis in the affected areas has been carried forward from the previously-printed effective FIRM panel(s) and the area has been clearly identified on the FIRM panel with notes and bounding lines. This has been done to inform users that a temporary mapping action has been put in place until such time as FEMA is able to initiate a new flood risk project to apply new flood hazard mapping procedures for leveed areas. These levees occur on FIRM panel(s) 06071C7930J, 06071C7940J, 06071C8709J, 06071C8728K, 06071C8729K, 06071C8737J, 06071C8738J, and 06071C8739J on the San Bernardino County Levee/Santa Ana River and Cable Creek, and are identified on the FIRM panel(s) as potential areas of flood hazard data changes based on further review. Levees and their accreditation status are listed in Table 8 of this FIS Report.

Table 8: Levee Systems

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Chino Hills, City of; Chino, City of; San Bernardino, City of	Badger Canyon	1905032045	San Bernardino County Levee 217	Non-Accredited	06071C7933H 06071C7930J	Undefined
Highland, City of; San Bernardino, City of	Badger Canyon	1905032048	San Bernardino County Levee 143	Non-Accredited	06071C7933H 06071C7930J	Undefined
Highland, City of	Bledsoe Gulch	1905032143	San Bernardino County Levee 193	Provisionally Accredited	06071C8702H 06071C8706H	USACE
San Bernardino, City of	Brush Canyon	1905032059	San Bernardino County Levee 7	Non-Accredited	06071C7945H	Undefined
San Bernardino, City of; San Bernardino County Unincorporated Areas	Brush Canyon	1905032055	San Bernardino County Levee 19	Provisionally Accredited	06071C7945H	San Bernardino County Flood Control District
San Bernardino, City of	Brush Canyon	1905032057	San Bernardino County Levee 257	Non-Accredited	06071C7945H	Undefined
Needles, City of; San Bernardino County Unincorporated Areas	Buzzard Wash	N/A	N/A	N/A	06071C4400H	NOT IN NLD

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
San Bernardino, City of	Cable Creek	1905032030	San Bernardino County Levee 162	Non-Accredited	06071C7910H	Undefined
San Bernardino, City of	Cable Creek	1905032029	San Bernardino County Levee 40	Non-Accredited	06071C7910H	Undefined
San Bernardino, City of	Cable Creek Channel	1905032054	San Bernardino County Levee 205	Accredited	06071C7930J 06071C7940J	San Bernardino County Flood Control District
San Bernardino, City of	Cable Creek Channel	1905035904	San Bernardino County Levee 91	Accredited	06071C7930J 06071C7940J	City of San Bernardino
Rialto, City of; San Bernardino, City of; San Bernardino County Unincorporated Areas	Cajon And Lytle Creeks	3805010072	Lytle Creek - Island Levee	Provisionally Accredited	06071C7920H 06071C7940J	San Bernardino County Flood Control District
San Bernardino, City of	Cajon Wash	1905032067	San Bernardino County Levee 208	Accredited	06071C7940J	San Bernardino County Flood Control District

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
San Bernardino, City of; San Bernardino County Unincorporated Areas	Cajon Wash	1905032869	San Bernardino County Levee 26	Provisionally Accredited	06071C7910H	San Bernardino County Flood Control District
San Bernardino County Unincorporated Areas	Cajon Wash	1905032049	San Bernardino County Levee 8	Accredited	06071C7910H 06071C7930J	San Bernardino County Flood Control District
San Bernardino, City of	Cajon Wash	1905032031	San Bernardino County Levee 92	Non-Accredited	06071C7910H	Undefined
Chino, City of; Chino Hills, City of	Chino Creek	3805030002	Chino Creek 1	Provisionally Accredited	06071C9330H 06071C9335J	USACE
Chino, City of; Chino Hills, City of	Chino Creek	3805030003	Chino Creek 2	Provisionally Accredited	06071C9330H 06071C9335J	USACE
Highland, City of	City Creek	1905032898	San Bernardino County Levee 256	Non-Accredited	06071C8702H	Undefined
Highland, City of; Redlands, City of; San Bernardino, City of	City Creek, Santa Ana River	3805010070	City Creek 1	Provisionally Accredited	06071C8702H	San Bernardino County Flood Control District

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Needles, City of	Coyote Wash	1905032012	San Bernardino County Levee 2	Non-Accredited	06071C5010H	Undefined
Chino, City of; Ontario, City of	Cucamonga Creek	3805010029	Cucamonga Creek 1	Non-Accredited	06071C9375J	USACE – Los Angeles District
Chino, City of; Ontario, City of	Cucamonga Creek	3805010030	Cucamonga Creek 5	Non-Accredited	06071C9375J	USACE – Los Angeles District
Rancho Cucamonga, City of	Cucamonga Creek	1905032230	San Bernardino County Levee 12	Non-Accredited	06071C5010H	Undefined
Rancho Cucamonga, City of	Cucamonga Creek	3805010063	Cucamonga Creek 8	Non-Accredited	06071C8630J	San Bernardino County Flood Control District
Ontario, City of; Rancho Cucamonga, City of	Cucamonga Creek	1905032184	San Bernardino County Levee 101	Non-Accredited	06071C8628J	Undefined
Ontario, City of	Cucamonga Creek	3805010057	Cucamonga Creek 3	Non-Accredited	06071C8628J	USACE
Rancho Cucamonga, City of	Cucamonga Creek	3805010058	Cucamonga Creek 7	Non-Accredited	06071C8628J	San Bernardino County Flood Control District
Ontario, City of	Cucamonga Creek	3805010043	Cucamonga Creek 2	Non-Accredited	06071C8628J	USACE
Ontario, City of	Cucamonga Creek	1905032216	San Bernardino County Levee 214	Accredited	06071C8636J	San Bernardino County Flood Control District

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Ontario, City of	Cucamonga Creek	1905032299	San Bernardino County Levee 17	Accredited	06071C8636J	San Bernardino County Flood Control District
Ontario, City of	Cucamonga Creek	1905032298	San Bernardino County Levee 231	Provisionally Accredited	06071C8636J	San Bernardino County Flood Control District
Ontario, City of	Cucamonga Creek	1905032905	San Bernardino County Levee 36	Provisionally Accredited	06071C8638H 06071C8639J	San Bernardino County Flood Control District
San Bernardino, City of	Daley Basin	1905032086	San Bernardino County Levee 89	Provisionally Accredited	06071C7961H	San Bernardino County Flood Control District
Rancho Cucamonga, City of; San Bernardino County Unincorporated Areas	Deer Creek/Dry Canyon Wash	1905032858	San Bernardino County Levee 28	Accredited	06071C7895J	San Bernardino County Flood Control District
Rancho Cucamonga, City of; San Bernardino County Unincorporated Areas	Deer Canyon Wash	1905032284	San Bernardino County Levee 211	Non-Accredited	06071C7890J 06071C7895J	Undefined

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Rancho Cucamonga, City of; San Bernardino County Unincorporated Areas	Demens Canyon	3805010080	Demens Debris Basin Collection Levee	Accredited	06071C7890J	San Bernardino County Flood Control District
San Bernardino, City of	Devil Canyon	1905032047	San Bernardino County Levee 161	Provisionally Accredited	06071C7930J	San Bernardino County Flood Control District
San Bernardino, City of	Devils Creek	3805010083	Devil Creek Diversion	Accredited	06071C7930J 06071C7940J	San Bernardino County Flood Control District
Rancho Cucamonga, City of	East Etiwanda Creek	1905032277	San Bernardino County Levee 62	Non-Accredited	06071C7895J	Undefined
Rancho Cucamonga, City of	East Etiwanda Creek	1905032278	San Bernardino County Levee 5	Non-Accredited	06071C7895J	Undefined
San Bernardino, City of	East Twin Creek	1905032112	San Bernardino County Levee 128	Provisionally Accredited	06071C7944H	San Bernardino County Flood Control District
San Bernardino, City of	East Twin Creek	1905032110	San Bernardino County Levee 150	Non-Accredited	06071C7944H	Undefined

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
San Bernardino, City of	East Twin Creek	1905032113	San Bernardino County Levee 175	Non-Accredited	06071C7944H	Undefined
San Bernardino, City of	East Twin Creek	1905032125	San Bernardino County Levee 267	Provisionally Accredited	06071C7944H	San Bernardino County Flood Control District
San Bernardino, City of	East Twin Creek	1905032119	San Bernardino County Levee 27	Provisionally Accredited	06071C7944H	San Bernardino County Flood Control District
San Bernardino, City of	East Twin Creek	1905032111	San Bernardino County Levee 81	Non-Accredited	06071C7944H	Undefined
San Bernardino, City of	East Twin Creek	3805010079	East Twin Creek 2	Provisionally Accredited	06071C7942H 06071C7944H	San Bernardino County Flood Control District
San Bernardino, City of	East Twin Creek	3805010082	East Twin Creek 1	Provisionally Accredited	06071C7942H 06071C7944H	San Bernardino County Flood Control District
Rancho Cucamonga, City of	Henderson Canyon	1905032632	San Bernardino County Levee 229	Non-Accredited	06071C7942H	Undefined
Needles, City of	Leming Wash	1905032015	San Bernardino County Levee 1	Non-Accredited	06071C5010H	Undefined

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Barstow, City of; San Bernardino County Unincorporated Areas	Lenwood Creek	1905032018	San Bernardino County Levee 64	Non-Accredited	06071C4507H 06071C4526H	Undefined
Barstow, City of	Lenwood Creek	1905032021	San Bernardino County Levee 67	Non-Accredited	06071C4526H	Undefined
Barstow, City of	Lenwood Creek	1905032024	San Bernardino County Levee 30	Non-Accredited	06071C4526H	Undefined
Barstow, City of	Lenwood Creek	1905032023	San Bernardino County Levee 265	Non-Accredited	06071C4526H	Undefined
San Bernardino County Unincorporated Areas	Lytle Creek Wash	1905032046	San Bernardino County Levee 108	Non-Accredited	06071C7905H	Undefined
Rialto, City of	Lytle Creek Wash	1905032066	San Bernardino County Levee 112	Provisionally Accredited	06071C7920H	San Bernardino County Flood Control District
Rialto, City of; San Bernardino County Unincorporated Areas	Lytle Creek Wash	1905032074	San Bernardino County Levee 181	Provisionally Accredited	06071C7920H	San Bernardino County Flood Control District

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Rialto, City of; San Bernardino County Unincorporated Areas	Lytle Creek Wash	1905032908	San Bernardino County Levee 216	Provisionally Accredited	06071C7920H	San Bernardino County Flood Control District
San Bernardino County Unincorporated Areas	Lytle Creek Wash	1905032058	San Bernardino County Levee 252	Provisionally Accredited	06071C7915H 06071C7920H	San Bernardino County Flood Control District
San Bernardino County Unincorporated Areas	Lytle Creek Wash	1905032751	San Bernardino County Levee 71	Non-Accredited	06071C7915H 06071C7920H	Undefined
Redlands, City of	Mill Creek	1905032337	San Bernardino County Levee 116	Non-Accredited	06071C8728K	Undefined
Redlands, City of	Mill Creek	1905032328	San Bernardino County Levee 168	Non-Accredited	06071C8728K	Undefined
Redlands, City of	Mill Creek	1905032329	San Bernardino County Levee 137	Non-Accredited	06071C8728K	Undefined
Redlands, City of	Mill Creek	1905032330	San Bernardino County Levee 192	Non-Accredited	06071C8728K	Undefined

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Redlands, City of	Mill Creek	1905032331	San Bernardino County Levee 167	Non-Accredited	06071C8728K	Undefined
Redlands, City of	Mill Creek	1905032333	San Bernardino County Levee 96	Non-Accredited	06071C8728K	Undefined
Redlands, City of	Mill Creek	1905032334	San Bernardino County Levee 57	Non-Accredited	06071C8728K	Undefined
Redlands, City of	Mill Creek	1905032335	San Bernardino County Levee 46	Non-Accredited	06071C8728K	Undefined
Redlands, City of	Mill Creek	1905032336	San Bernardino County Levee 49	Non-Accredited	06071C8728K	Undefined
Redlands, City of; San Bernardino County Unincorporated Areas	Mill Creek	1905032339	San Bernardino County Levee 262	Non-Accredited	06071C8728K 06071C8729K	Undefined
Redlands, City of; San Bernardino County Unincorporated Areas	Mill Creek	3805010056	Mill Creek (FEMA ID 44a)	Accredited	06071C8728K 06071C8729K	San Bernardino County Flood Control District (SBCFCD)

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Redlands, City of; San Bernardino County Unincorporated Areas	Mill Creek	3805010056	Mill Creek (FEMA ID 44b)	Non-Accredited	06071C8709K 06071C8728K	San Bernardino County Flood Control District (SBCFCD)
San Bernardino County Unincorporated Areas	Mojave River	1905032716	San Bernardino County Levee 114	Non-Accredited	06071C5150J	Undefined
Barstow, City of; San Bernardino County Unincorporated Areas	Mojave River	1905032014	San Bernardino County Levee 100	Non-Accredited	06071C3917H 06071C3919H 06071C3938H 06071C3939H	Undefined
Barstow, City of; San Bernardino County Unincorporated Areas	Mojave River	1905032834	San Bernardino County Levee 110	Non-Accredited	06071C3916H 06071C3917H 06071C3918J	Undefined
Barstow, City of	Mojave River	1905032011	San Bernardino County Levee 124	Non-Accredited	06071C3938H	Undefined
Barstow, City of; San Bernardino County Unincorporated Areas	Mojave River	1905032003	San Bernardino County Levee 243	Non-Accredited	06071C3915J 06071C3916H 06071C3917H 06071C3918J	Undefined

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Barstow, City of; San Bernardino County Unincorporated Areas	Mojave River	1905032835	San Bernardino County Levee 275	Non-Accredited	06071C3917H	Undefined
Highland, City of	Plunge Creek	1905032154	San Bernardino County Levee 204	Non-Accredited	06071C8706H 06071C8707J	Undefined
Highland, City of	Plunge Creek	1905032159	San Bernardino County Levee 179	Provisionally Accredited	06071C8702H 06071C8706H	San Bernardino County Flood Control District
San Bernardino County Unincorporated Areas	Quail Wash	3805010069	Quail Wash	Accredited	06071C8145J	San Bernardino County Flood Control District
Colton, City of	Reche Canyon Channel	1905032172	San Bernardino County Levee 74	Non-Accredited	06071C8687J 06071C8691J	Undefined
Fontana, City of; Rancho Cucamonga, City of	Rich Basin	1905032296	San Bernardino County Levee 44	Provisionally Accredited	06071C7915H	San Bernardino County Flood Control District
Fontana, City of; San Bernardino County Unincorporated Areas	San Sevaine Wash	1905032294	San Bernardino County Levee 156	Non-Accredited	06071C7915H	Undefined

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Rancho Cucamonga, City of	San Sevaine Detention Basin	1905032631	San Bernardino County Levee 174	Non-Accredited	06071C7915H	Undefined
Highland, City of; San Bernardino, City of	Sand Creek Channel	1905032139	San Bernardino County Levee 235	Non-Accredited	06071C7963H 06071C8701J	Undefined
Colton, City of	Santa Ana River	3805010050	Riverside 2	Accredited	06071C8686J 06071C8688J	USACE – Los Angeles District
San Bernardino County Unincorporated Areas	Santa Ana River	150005200058	San Bernardino County 291 (FEMA ID 111)	Non-Accredited	06071C8709K	Undefined
Colton, City of; San Bernardino, City of	Santa Ana River, Twin Creek, Warm Creek	3805030012	Santa Ana River/Warm Creek	Non-Accredited	06071C8683J 06071C8691J	San Bernardino County Flood Control District
San Bernardino County Unincorporated Areas	Sheep Creek	1905032760	San Bernardino County Levee 104	Non-Accredited	06071C6450H	Undefined
San Bernardino County Unincorporated Areas	Sheep Creek	1905032027	San Bernardino County Levee 39	Non-Accredited	06071C6450H	Undefined

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Twentynine Palms, City of	Twentynine Palms Channel	1905032909	San Bernardino County Levee 68	Non-Accredited	06071C8190J 06071C8195J	Undefined
Twentynine Palms, City of	Twentynine Palms Creek	1905032118	San Bernardino County Levee 222	Accredited	06071C8190J 06071C8195J	San Bernardino County Flood Control District
Twentynine Palms, City of	Twentynine Palms Creek	1905032116	San Bernardino County Levee 176	Non-Accredited	06071C8195J	Undefined
Twentynine Palms, City of	Twentynine Palms Creek	1905032134	San Bernardino County Levee 260	Non-Accredited	06071C8190J	Undefined
San Bernardino, City of	Unknown	1905032093	San Bernardino County Levee 63	Accredited	06071C7940J	San Bernardino County Flood Control District
San Bernardino, City of	Unknown	1905032165	San Bernardino County Levee 238	Accredited	06071C8678J	San Bernardino County Flood Control District
San Bernardino, City of	West Twin Creek	1905032642	San Bernardino County Levee 207	Non-Accredited	06071C7942H	Undefined
San Bernardino, City of	Western Avenue Storm Drain	1905032064	San Bernardino County Levee 283	Provisionally Accredited	06071C7940J 06071C7945H	San Bernardino County Flood Control District

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Yucaipa, City of	Wilson Creek	1905032290	San Bernardino County Levee 72	Provisionally Accredited	06071C8745H	San Bernardino County Flood Control District
Yucaipa, City of	Wilson Creek	1905032303	San Bernardino County Levee 285	Non-Accredited	06071C8737J 06071C8738J 06071C8739J	Undefined
Yucaipa, City of	Wilson Creek	1905032301	San Bernardino County Levee 48	Non-Accredited	06071C8737J 06071C8738J 06071C8739J	Undefined
Yucca Valley, Town of	Yucca Creek (At Joshua Tree)	1905032258	San Bernardino County Levee 140	Non-Accredited	06071C8120H	Undefined
Yucca Valley, Town of	Yucca Creek (At Joshua Tree)	1905032243	San Bernardino County Levee 228	Non-Accredited	06071C8120H	Undefined
Yucca Valley, Town of	Yucca Creek (At Joshua Tree)	1905032236	San Bernardino County Levee 188	Non-Accredited	06071C8120H	Undefined
Yucca Valley, Town of	Yucca Creek (At Joshua Tree)	1905032235	San Bernardino County Levee 178	Non-Accredited	06071C8120H	Undefined
Yucca Valley, Town of	Yucca Creek (At Joshua Tree)	1905032237	San Bernardino County Levee 85	Non-Accredited	06071C8120H	Undefined

Table 8: Levee Systems (continued)

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Redlands City of	The Zanja	N/A	Nevada Business Park Floodwall	N/A	06071C8712J	Private