FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 2 OF 10

YAVAPAI COUNTY, ARIZONA

AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
CAMP VERDE, TOWN OF	040131
CHINO VALLEY, TOWN OF	040094
CLARKDALE, TOWN OF	040095
COTTONWOOD, CITY OF	040096
DEWEY- HUMBOLDT, TOWN OF	040061
JEROME, TOWN OF*	040138
PRESCOTT, CITY OF	040098
PRESCOTT VALLEY, TOWN OF	040121
SEDONA, CITY OF	040130
WICKENBURG, TOWN OF	040056
YAVAPAI COUNTY, UNINCORPORATED AREAS	040093

*No Special Flood Hazard Areas Identified

FEMA

REVISED:

February 8, 2024

FLOOD INSURANCE STUDY NUMBER
04025CV002J
Version Number 2.4.3.5

TABLE OF CONTENTS

Volume 1

Figures

TABLE OF CONTENTS (continued)
Volume 1 (continued)

Tables

Volume 2

Figures

TABLE OF CONTENTS (continued)
Volume 2 (continued)

Tables

Volume 3

Tables

Volume 4

TABLE OF CONTENTS (continued)

Volume 4 (continued)

Tables

Volume 5

Tables

TABLE OF CONTENTS (continued)

Volume 5 (continued)

Exhibits

Volume 6

Exhibits

TABLE OF CONTENTS (continued)

Volume 7

Exhibits

Volume 8

Exhibits

TABLE OF CONTENTS (continued)

Volume 8 (continued)

Exhibits (continued)

Volume 9

Exhibits

TABLE OF CONTENTS (continued)

Volume 9 (continued)

Exhibits (continued)

Volume 10

Exhibits

Published Separately

Table 10: Summary of Discharges

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Agua Fria River (At Black Canyon City)	At the downstream limit of detailed study	1,055	28,500	*	56,700	70,200	*	124,800
Agua Fria River (At Black Canyon City)	Upstream of confluence with Black Canyon Creek	808	19,300	*	38,900	48,600	*	86,400
Agua Fria River (At the Town of Dewey-Humboldt)	At downstream limit of detailed study	164	19,300	*	38,900	48,600	*	86,400
Agua Fria River (At the Town of Dewey-Humboldt)	Upstream of confluence with Clipper Wash	81.0	6,800	*	17,250	23,200	*	50,200
Agua Fria River (At Town of Prescott Valley)	At downstream limit of detailed study	19.0	2,440	*	6,490	8,250	*	14,200
Alberson Wash	At downstream limit of detailed study	4.43	3,010	*	4,330	4,900	*	6,220
Alberson Wash Tributary	At confluence with Alberson Wash	1.53	1,260	*	1,780	2,000	*	2,490
American Wash	At North American Ranch Road	3.16	1,122	1,660	2,101	2,589	*	3,920

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
American Wash	At North Scarlett Drive	2.72	964	1,422	1,800	2,212	*	3,326
American Wash	At North Buchanan Drive and North Table Top Lane	2.0	723	1,057	1,335	1,641	*	2,460
American Wash	At 0.5 miles west of intersection of North Williamson Valley Road and West Bard Ranch Road	1.9	675	986	1,243	1,524	*	2,283
American Wash	At 800 feet southwest of Intersection of North Williamson Valley Road and West Granite Oaks	1.4	435	642	815	1,007	*	1,523
American Wash	At West Noble Vista Drive and North Williamson Valley Road	0.8	128	213	284	366	*	593
American Wash	At West Granite Vista and 500 feet west of North Williamson Valley Road	0.8	125	209	279	359	*	583
American Wash	At West Granite Park Drive and 1,400 feet West of North Williamson Valley Road	0.7	115	193	258	334	*	541
American Wash	At West Love Lane and 600 feet west of North Quail View Lane	0.7	113	189	255	329	*	534

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Ash Fork Draw Wash	At Atchison, Topeka and Santa Fe Railway	113.0	4,160	*	9,490	12,800	*	22,800
Ash Fork Draw Wash	Upstream of confluence with Johnson Creek	61.0	3,000	*	6,450	8,750	*	14,100
Aspen Creek	At City of Prescott	5.1	1,180	*	2,070	2,500	*	4,250
Banning Creek	At confluence with Granite Creek	4.8	3,850	*	*	5,420	*	*
Beaver Creek (At Town of Camp Verde)	At confluence with Verde River	423.0	27,600	*	59,200	74,000	*	129,200
Beaver Creek (At Lake Montezuma)	At Montezuma Castle National Monument	415.0	27,500	*	59,600	74,600	*	131,300
Big Bug Creek	At Agua Fria River	60.5	3,820	6,780	11,300	16,500	*	31,400
Big Bug Creek	At approximately 2,100 feet downstream of Brahma Drive	58.4	3,720	6,600	11,000	16,100	*	30,900
Big Bug Creek	At Interstate Highway 17	54.9	3,550	6,320	10,600	15,500	*	30,100
Big Bug Creek	At Hackberry Creek	39.3	2,810	5,050	8,620	12,800	*	26,100
Big Bug Creek	At Mayer	34.4	2,550	4,600	7,890	11,800	*	24,500
Big Bug Creek	At Central Avenue	24.5	1,990	3,640	6,320	9,520	*	20,700

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Big Bug Creek	At approximately 500 feet downstream of F.S. downstream of 87 Road	19.7	1,700	3,130	5,460	8,280	*	18,500
Big Bug Creek	At approximately 3,650 feet upstream of Ricks Pit Road	10.3	1,080	2,040	3,560	5,480	*	13,000
Big Bug Creek (At Interstate Highway 17)	At Cordes Junction	51.0	3,800	*	11,700	13,000	*	17,350
Big Bug Creek (At Interstate Highway 17)	At downstream limit of detailed study (At Mayer), approximately 0.80 mile downstream of Rolling Ridge Drive	30.0	2,560	*	8,290	9,180	*	12,000
Big Chino Valley, East	Green Wash, At confluence with Big Chino Wash	14.4	*	*	*	4,831	*	*
Big Chino Valley, East	Upstream of Atchison, Topeka & Santa Fe Railway	14.1	*	*	*	9,631	*	*
Big Chino Valley, East	Upstream of J. W. Draw confluence	4.5	*	*	*	3,908	*	*
Big Chino Valley, West	Clayton Canyon Wash, At confluence with Big Chino Wash	4.1	*	*	*	44,045	*	*

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Big Chino Valley, West	Upstream of confluence with Dry Well Wash	1.8	*	*	*	2,028	*	*
Big Chino Valley, West	At upstream limit of detailed study	1.1	*	*	*	1,430	*	*
Big Chino Wash	At U.S. Route 89	695.0	15,080	*	31,000	43,180	*	92,770
Big Chino Wash	Upstream of confluence of Williamson Valley Wash	349.0	8,660	*	17,875	24,915	*	48,630
Big Chino Wash, Irrigation Split	At convergence with Big Chino Wash	[1]	[2]	*	[2]	11,278	*	[1]
Big Chino Wash, Irrigation Split	At divergence from Big Chino Wash	[1]	[2]	*	[2]	6,415	*	[1]
Big Chino Wash – Overflow Area	At confluence with Big Chino Wash	[1]	[2]	*	[2]	20,615	*	[1]
Big Chino Wash – Spill #1	At convergence with Big Chino Wash	[1]	[2]	*	[2]	12,618	*	[1]
Big Chino Wash – U.S. Route 89 Overflow	At confluence with Big Chino Wash	[1]	[2]	*	[2]	25,178	*	[1]
Bitter Creek	At confluence of Bitter Creek-South Fork	17.0	6,793	*	8,688	11,600	*	31,000
Bitter Creek	At confluence with Verde River	14.9	6,793	*	8,688	11,600	*	31,000

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Bitter Creek – South Fork	At confluence with Bitter Creek	1.1	1,156	*	1,733	2,167	*	5,800
Black Canyon Creek	At confluence with Agua Fria River	242.0	14,200	*	30,100	38,000	*	56,600
Blue Tank Wash	At Hassayampa River	10.8	*	*	*	4,071	*	*
Bottleneck Wash	Upstream of confluence with Granite Creek	12.5	2,580	3,980	5,200	6,540	*	10,140
Bottleneck Wash	Approximately 1,000 feet downstream of Highway 89	10.0	2,420	3,760	4,905	6,140	*	9,550
Boynton Canyon Creek	Approximately 1.06 miles upstream of Squaw Ln	3.9	689	1,274	1,873	2,609	3,315	4,918
Boynton Canyon Creek	At confluence with Boynton Canyon Creek and Mescal Pass Wash	5.6	849	1,519	2,194	3,012	3,828	5,554
Butte Creek	At confluence with Miller Creek at Prescott	3.9	1,070	*	1,430	1,840	*	3,370
Butte Creek	At upstream limit of study	2.5	720	*	1,100	1,560	*	3,150
Capitol Chinup Creek	At confluence with Boynton Canyon Creek and Mescal Pass Wash	0.7	187	318	445	598	760	1,071

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Carroll Canyon Creek	Upstream of confluence with Carroll Foothills Creek	1.5	1,006	1,437	1,757	2,155	2,901	3,108
Carroll Canyon Creek	Downstream of confluence with Carroll Foothills Creek	1.8	1,006	1,580	1,944	2,400	3,279	3,492
Carroll Canyon Creek	Downstream of confluence with Grasshopper Flattop Wash	7.4	1,006	1,901	3,373	5,230	10,493	12,100
Carroll Foothills Creek	*	0.1	72	116	148	188	326	287
Carroll Montana Wash	*	0.01	8	13	17	21	37	33
Carroll Raquel Wash	*	0.03	16	26	33	41	71	63
Cherry Creek	Above confluence with Verde River	25.0	*	*	*	14,497	*	*
Cherry Hills Wash	At State Route 260	1.3	342	*	541	669	*	1,037
Chimney Rock Creek	Approximately 1100 feet upstream of confluence with Dry Creek	0.55	156	266	373	503	639	903
Chino Valley Stream	Approximately 8,000 feet upstream of U.S. Route 89	31.5	1,950	*	5,355	13,761	*	22,500

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Chino Valley Stream	Above confluence with Chino Valley Stream (Tributary)	18.0	1,440	*	3,985	8,102	*	14,389
Chino Valley Stream East	*	11.4	*	*	*	5,248	*	*
Chino Valley Stream (Tributary)	At confluence with Chino Valley Stream	10.0	2,975	*	5,599	6,850	*	10,715
Chino Valley Stream (Tributary)	At upstream limit of detailed study	4.0	1,050	*	2,320	3,273	*	5,850
Clipper Wash	At confluence with Agua Fria River	8.0	1,300	*	4,200	6,400	*	11,000
Coffee Creek	Approximately 1.09 miles upstream of Bill Gray Rd	6.6	913	1,585	2,249	3,045	3,871	5,502
Coffee Creek	Approximately 1.44 miles downstream of Bill Gray Rd	9.7	1,185	2,023	2,841	3,816	4,850	6,806
Coffee Creek	Approximately 2.81 miles downstream of Bill Gray Rd	16.5	1,691	2,834	3,939	5,242	6,662	9,218
Coffee Creek	Approximately 3.46 miles upstream of confluence with Spring Creek	21.5	2,013	3,340	4,615	6,111	7,767	10,666

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Coffee Creek	Approximately 8850 feet upstream of confluence with Spring Creek	23.7	2,150	3,555	4,901	6,478	8,234	11,273
Concho Wash	At downstream limit of detailed study	0.3	*	*	*	530	*	*
Copper Canyon Wash	Above confluence with Verde River	7.8	*	*	*	7,600	*	*
Cornville Plateau Wash	Approximately 1325 feet upstream of Adobe Dr	0.4	161	278	390	524	666	937
Cougar Creek	At Agua Fria River	3.9	830	*	2,830	4,430	*	11,000
Dad Jones Tank 2 Wash	Approximately 3200 feet upstream of confluence with Spring Creek	2.4	522	888	1,240	1,660	2,110	2,945
Dancing Apache Wash	Approximately 3300 feet upstream of confluence with Spring Creek	1.5	355	610	858	1,157	1,470	2,075
Dead Mule Canyon Wash	At confluence with Ramsgate Wash	8.0	1,050	*	2,625	3,660	*	5,790
Deception Wash	At confluence with Verde River	6.2	2,513	*	3,696	4,583	*	12,000
Del Monte Wash	Upstream of East Main Street	5.7	3,086	*	4,537	5,627	*	15,000
Devils Bridge Creek	Approximately 550 feet upstream of confluence with Dry Creek	1.0	231	396	560	759	965	1,375

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Dry Beaver Creek	Approximately 2,900 feet upstream of U.S. Highway 17	202.0	*	*	*	32,750	*	*
Dry Creek	Approximately 3700 feet upstream of confluence with Sterling Canyon Creek	8.7	1,174	2,242	3,368	4,766	6,057	9,198
Dry Creek	Approximately 950 feet upstream of confluence with Sterling Canyon Creek	12.0	1,443	2,705	4,021	5,641	7,170	10,745
Dry Creek	Approximately 650 feet upstream of confluence with Secret Canyon Creek	29.9	2,391	4,370	6,423	8,926	11,345	16,764
Dry Creek	At confluence with Earls Tank	30.7	2,436	4,443	6,521	9,053	11,507	16,974
Dry Creek	At confluence with Soldier Pass Wash	35.0	2,654	4,797	7,001	9,676	12,298	18,018
Dry Creek	At confluence with Devils Bridge Creek	36.1	2,700	4,865	7,087	9,779	12,429	18,166
Dry Creek	At confluence with Long Canyon Creek	41.1	2,943	5,253	7,610	10,454	13,287	19,287
Dry Creek	At confluence with Boynton Canyon Creek	47.1	3,230	5,724	8,256	11,300	14363	20,733

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Dry Creek	Approximately 900 feet upstream of confluence with Capitol Chinup Creek	47.8	3,261	5,768	8,312	11,366	14,447	20,827
Dry Creek	At confluence with Fay Canyon Creek	50.5	3,374	5,944	8,542	11,657	14,816	21,293
Dry Creek	At confluence with Chimney Rock Creek	52.0	3,436	6,033	8,654	11,792	14,988	21,490
Dry Creek	At confluence with Grasshopper Flat Tank Wash	56.1	3,604	6,276	8,959	12,161	15,457	22,032
Dry Creek	Approximately 2000 feet upstream of Sunset Hills Dr	56.6	3,641	6,341	9,051	12,284	15,613	22,251
Dry Creek	At confluence with Red Boynton Wash	67.7	4,120	7,082	10,026	13517	17,180	24,233
Dry Creek	Approximately 550 feet upstream of confluence with Dry Creek	71.2	4,287	7,341	10,366	13,946	17,726	24,923
Dry Sterling Creek	Approximately 1350 feet upstream of confluence with Dry Creek	0.5	183	342	504	706	897	1,341
Dry Well Wash	Upstream of confluence with Clayton Canyon Wash	2.0	*	*	*	*	*	2,155

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Dry Well Wash	Approximately 500 feet upstream of Barbara Road	1.3	*	*	*	*	*	1,622
Earls Tank	Approximately 550 feet upstream of confluence with Dry Creek	0.7	189	332	476	653	829	1201
Fay Boynton Creek	Approximately 1250 feet upstream of confluence with Fay Canyon Creek	0.1	55	101	147	205	260	387
Fay Canyon Creek	Approximately 2700 feet upstream of Boynton Pass Rd	1.1	275	499	726	1,006	1,278	1,882
Fay Canyon Creek	At Boynton Pass Rd	1.2	298	540	785	1,086	1,380	2,029
Fay Canyon Creek	At confluence with Fay Boynton Creek	1.7	360	637	915	1252	1,592	2,302
Fay Canyon Creek	Approximately 1.13 miles upstream of confluence with Fay Doe Creek	2.0	389	682	973	1326	1686	2,422
Fay Canyon Creek	At confluence with Fay Doe Creek	2.7	480	833	1,182	1,604	2,038	2,906
Fay Doe Creek	Approximately 1700 feet upstream of confluence with Fay Canyon Creek	0.6	176	301	425	574	730	1,037

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Gardner Wash	Above confluence with Ramsgate Wash	*	*	*	*	6,460	*	*
Golf Course Creek	Approximately 450 feet upstream of confluence with San Miguel Wash	0.1	48	85	123	169	214	312
Golf Course Creek	At confluence with San Miguel Wash	0.1	75	132	189	258	328	474
Granite Creek	Downstream of Bottleneck Wash Confluence	97.2	7,995	11,790	*	15,020	*	18,640
Granite Creek	Upstream of Bottleneck Wash Confluence	84.7	5,750	8,960	*	11,760	*	14,755
Granite Creek	At Highway 89A Bridge	76.9	5,430	8,530	*	11,245	*	14,140
Granite Creek	Upstream of Willow Creek Confluence	47.3	4,495	8,670	*	10,750	*	10,750
Granite Creek	Upstream of Lake Watson	43.8	11,400	20,040	*	24,190	*	35,950
Granite Creek	At Slaughterhouse Gulch	39.2	10,900	18,900	*	22,780	*	33,380
Granite Creek	Downstream of Government Canyon	36.2	9,750	16,320	*	19,445	*	28,390
Granite Creek	At unnamed Zone A at Whipple Park	31.5	6,690	11,505	*	14,815	*	24,300

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Granite Creek	At unnamed Zone A along North Virginia Street	30.0	5,450	10,960	*	14,200	*	23,400
Granite Creek	At confluence with North Fork Granite Creek	29.1	3,400	*	10,500	16,800	*	44,400
Granite Creek	Downstream of Aspen Creek	17.5	3,295	7,310	*	9,830	*	16,620
Granite Creek	Upstream of Aspen Creek	12.5	2,330	5,745	*	7,740	*	13,470
Granite Creek	Upstream of Manzanita Creek	9.6	1,560	4,260	*	5,900	*	10,660
Grasshopper Flat Tank Wash	Approximately 1350 feet upstream of confluence with Dry Creek	1.2	267	450	627	841	1,068	1,495
Grasshopper Flattop Wash	*	3.1	1,987	2,927	3,620	4,511	6,284	6,642
Hackberry Creek	At Big Bug Creek	10.6	1,220	2,280	4,050	6,240	*	14,400
Hart Well Creek	Approximately 1650 feet upstream of confluence with Hart Well Taylor Creek	2.3	471	882	1,308	1,835	2,333	3,501
Hart Well Creek	At confluence with Hart Well Taylor Creek	3.1	578	1,065	1,565	2,180	2,771	4,112
Hart Well Creek	At confluence with Hart Well Lincoln Creek	3.5	606	1,103	1,610	2,231	2,836	4,175

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Hart Well Lincoln Creek	Approximately 1500 feet upstream of confluence with Hart Well Creek	0.3	121	220	318	440	559	820
Hart Well Taylor Creek	Approximately 1450 feet upstream of confluence with Hart Well Creek	0.5	164	305	451	631	803	1,203
Hassayampa River	At Yavapai/Maricopa County line	524.0	16,500	*	42,300	72,200	*	125,700
Hassayampa River	Upstream of confluence with Martinez Wash	422.0	14,700	*	37,200	53,600	*	102,500
Hidden Echo Creek	Approximately 1300 feet upstream of confluence with Oak Creek	0.1	61	111	159	219	278	404
Hidden Valley Ranch Creek	Approximately 1200 feet upstream of confluence with Oak Creek	1.1	309	531	745	1,001	1,272	1,788
Holy Cross Wash	Approximately 1225 feet upstream of confluence with Oak Creek	0.4	137	239	339	460	585	837
Huntley Tank Creek	Approximately 900 feet upstream of confluence with Red Boynton Wash	1.5	339	582	819	1,103	1,402	1,978
Jacks Canyon	Near State Route 179	17.0	2,720	*	7,640	8,350	*	10,500
J. W. Draw	Upstream of confluence with Green Wash	2.3	*	*	*	1,609	*	*

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
J. W. Draw	Approximately 400 feet upstream of Ahonen Road	0.7	*	*	*	*	*	750
Lakeshore Drive Wash	At confluence with Agua Fria River	2.2	737	*	2,379	3,674	*	11,220
Lakeshore Drive Wash	Approximately 680 feet upstream of Towago Road	1.3	342	*	1,065	1,627	*	5,012
Lincoln Canyon Creek	Approximately 1500 feet upstream of Loy Canyon Road	1.4	343	617	890	1,225	1,557	2,266
Little Carroll Canyon Wash	At confluence with Carroll Canyon Wash	1.2	301	*	931	1,421	*	3,200
Little White Hills Wash	Approximately 1000 feet upstream of confluence with Oak Creek	0.2	120	207	290	391	497	700
Lonesome Valley Wash	Approximately 3,525 feet downstream of confluence with Lonesome Valley Wash Tributary Reach 200	37.8	*	*	*	11,726	*	*
Lonesome Valley Wash	Downstream of confluence with Lonesome Valley Wash Tributary Reach 200	34.8	*	*	*	11,208	*	*

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Lonesome Valley Wash	Downstream of confluence with Lonesome Valley Wash Tributary Reach 500	20.8	*	*	*	8,973	*	*
Lonesome Valley Wash	Downstream of confluence with Lonesome Valley Wash Tributary Reach 360	14.9	*	*	*	7,364	*	*
Lonesome Valley Wash	Downstream of confluence with Lonesome Valley Wash Tributary Reach 405	4.1	*	*	*	3,320	*	*
Lonesome Valley Wash	Approximately 0.402 mile upstream of Slash Arrow Drive	2.3	*	*	*	2,170	*	*
Lonesome Valley Wash Tributary Reach 100	Upstream of confluence with Lonesome Valley Wash	2.8	*	*	*	2,448	*	*
Lonesome Valley Wash Tributary Reach 100	At upstream limit of detailed study	1.6	*	*	*	1,578	*	*
Lonesome Valley Wash Tributary Reach 200	Upstream of confluence with Lonesome Valley Wash	13.2	*	*	*	6,413	*	*

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Lonesome Valley Wash Tributary Reach 200	At upstream limit of detailed study	10.7	*	*	*	5,590	*	*
Lonesome Valley Wash Tributary Reach 330	Upstream of confluence with Lonesome Valley Wash Tributary Reach 350	2.3	*	*	*	2,102	*	*
Lonesome Valley Wash Tributary Reach 350	Upstream of confluence with Lonesome Valley Wash Tributary Reach 360	2.7	*	*	*	2,379	*	*
Lonesome Valley Wash Tributary Reach 350	At upstream limit of detailed study	0.3	*	*	*	389	*	*
Lonesome Valley Wash Tributary Reach 360	Upstream of confluence with Lonesome Valley Wash	7.4	*	*	*	4,770	*	*
Lonesome Valley Wash Tributary Reach 360	At upstream limit of detailed study	3.7	*	*	*	3,002	*	*
Lonesome Valley Wash Tributary Reach 405	Upstream of confluence with Lonesome Valley Wash	0.9	*	*	*	1,084	*	*

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Lonesome Valley Wash Tributary Reach 500	Upstream of confluence with Lonesome Valley Wash	5.4	*	*	*	3,969	*	*
Long Canyon Creek	Approximately 2.77 miles upstream of confluence with Dry Creek	2.4	465	850	1,245	1,730	2,199	3,252
Long Canyon Creek	Approximately 1.64 miles upstream of confluence with Dry Creek	3.5	624	1,130	1,642	2,267	2,881	4,217
Long Dry Creek	Approximately 950 feet upstream of confluence with Dry Creek	0.4	111	191	271	368	468	672
Long OK Creek	Approximately 1950 feet upstream of confluence with Dry Creek	0.4	123	213	304	415	527	760
Loos Drive Wash[5]	At Ranger Road	0.8	399	*	1,174	1,763	*	5,012
Loos Drive Wash[5]	At East Loos Drive	0.1	37	*	78	103	*	224
Lost Wilson Creek	Approximately 1225 feet upstream of confluence with Soldier Pass Wash	0.8	234	425	618	856	1,088	1,601
Lower Kelly Wash	*	4.6	*	*	*	887	*	*

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Loy Canyon Creek	Approximately 2200 feet upstream of confluence with Secret Mountain Canyon Creek	4.8	771	1,434	2,121	2,966	3,770	5,628
Loy Canyon Creek	At confluence with Secret Mountain Canyon Creek	6.7	962	1,758	2,571	3,565	4,532	6,675
Loy Canyon Creek	Approximately 550 feet upstream of confluence with Lincoln Canyon Creek	8.6	1,130	2,034	2,949	4,059	5,159	7,514
Loy Canyon Creek	At confluence with Hart Well Creek	14.5	1,579	2,788	3,998	5,453	6,931	9,956
Loy Canyon Creek	At confluence with Nolan Tank	17.1	1,751	3,065	4,374	5,942	7,552	10,779
Lucky Canyon Wash	Upstream of confluence with Verde River	2.4	*	*	*	3,170	*	*
Lynx Creek	At Fain Road	40.9	*	*	*	11,392	*	*
Lynx Creek	Approximately 12,300 feet downstream of Lynx Creek Road	33.0	3,400	*	7,000	9,300	*	18,500
Manzanita Creek	Upstream of confluence with Granite Creek	2.4	700	*	1,580	2,150	*	3,750

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Manzanita Creek	Approximately 1,300 feet upstream of W. Cougar Ln	1.7	460	*	1,260	1,760	*	3,140
Marshall Tank Wash	Approximately 1700 feet upstream of confluence with Red Boynton Wash	1.2	289	507	723	984	1,251	1,795
Martinez Wash	At confluence with Hassayampa River	103.0	9,200	*	27,400	32,000	*	45,000
Martinez Wash	Upstream of confluence of Antelope Creek	36.5	2,223	*	5,174	6,562	*	10,108
Mescal Pass Wash	Approximately 2150 feet upstream of confluence with Boynton Canyon Creek	0.6	186	330	474	650	826	1,198
Miller Creek at Yarnell	At U.S. Route 89	20.0	[1]	*	[1]	1,520[4]	*	*
Miller Creek at Yarnell	Approximately 900 feet upstream of U.S. Route 89	20.0	3,635	*	8,990	10,610	*	14,600
Miller Creek at Yarnell	Approximately 1300 feet upstream of W. Willow Ave	7.4	*	*	[1]	3,200	*	*
Miller Creek at Prescott	*	6.0	820	*	2,600	4,100	*	10,080

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Miller Creek at Prescott	Downstream of confluence with North Fork Miller Creek	5.9	2,390	*	3,820	4,560	*	6,890
Miller Creek at Prescott	Upstream of confluence with North Fork Miller Creek	4.6	1,260	*	2,670	3,360	*	5,160
Miller Creek at Prescott	Upstream of Idyllwild Way	3.8	870	*	1,975	2,530	*	4,730
Mint Wash	At the confluence of Williamson Valley Wash	61.1	4,716	7,311	9,912	13,344	*	23,424
Mint Wash	Approximately 480 feet east of North Williamson Valley Road	45.2	4,716	7,311	9,475	11,889	*	18,847
Mint Wash	Approximately 1.6 miles west of intersection of West Stazenski Road and North Williamson Valley Road	22.9	4,716	7,311	9,475	11,889	*	18,429
Mint Wash	Approximately 0.8 miles west of intersection of North Williamson Valley Road and CR 69	18.5	5,268	6,517	8,358	10,410	*	15,883
Mint Wash	At confluence with American Wash	15.3	3,655	5,551	7,099	8,831	*	13,425

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Mint Wash	Approximately 5,200 feet southwest of North Williamson Valley Road	7.8	2,197	3,300	4,208	5,211	*	7,893
Model Creek	At confluence with Miller Creek	14.8	3,564	5,252	6,609	8,048	*	11,691
Model Creek	At U.S. Route 89	13.0	4,745	*	14,050	16,820	*	23,500
Model Creek	Upstream of confluence of South Rocky Boy Wash	7.0	1,510	*	4,140	4,860	*	6,900
Mud Springs Wash	At Agua Fria River	0.7	310	*	930	1,420	*	3,180
Nolan Tank	Approximately 1500 feet upstream of confluence with Loy Canyon Creek	2.1	441	780	1,117	1,525	1,939	2,792
North Fork Granite Creek	*	79.0	220	*	800	1,300	*	3,400
North Fork Granite Creek	Upstream of confluence with Granite Creek	1.3	1,660	*	2,660	3,140	*	4,330
North Fork Miller Creek	*	1.3	370	*	1,170	1,180	*	4,700
North Fork Miller Creek	Confluence with Miller Creek near Prescott	1.3	1,740	*	2,610	3,030	*	4,175
North Tributary to South Branch Agua Fria River	Approximately 1,190 feet upstream of Glassford Hill Road	0.15	[2]	*	[2]	488	*	680
North Tributary to South Branch Agua Fria River	Approximately 70 feet upstream of Glassford Hill Road	0.15	[2]	*	[2]	282	*	370

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Oak Creek	Approximately 3.62 miles upstream of confluence with West Fork Oak Creek	81.8	3,210	5,572	8,042	11,026	14,014	20,328
Oak Creek	Approximately 2.12 miles upstream of confluence with West Fork Oak Creek	83.4	3,271	5,681	8,201	11,244	14,291	20,731
Oak Creek	Approximately 1.60 miles upstream of confluence with West Fork Oak Creek	87.5	3,428	5,964	8,615	11,816	15,018	21,794
Oak Creek	At confluence with West Fork Oak Creek	133.2	5,405	9,108	13,022	17,736	22,397	32,614
Oak Creek	Approximately 1850 feet downstream of confluence with West Fork Oak Creek	143.7	6,145	10,210	14,528	19,728	24,835	36,242
Oak Creek	Approximately 2.18 miles upstream of confluence with Munds Canyon Creek	147.8	6,421	10,613	15,075	20,446	25,711	37,541
Oak Creek	Approximately 1500 feet upstream of confluence with Munds Canyon Creek	149.5	6,534	10,776	15,296	20,735	26,062	38,064

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Oak Creek	At confluence with Munds Canyon Creek	215.5	9,688	14,905	20,656	27,575	34,132	50,369
Oak Creek	Approximately 1.35 miles downstream of confluence with Munds Canyon Creek	224.2	10,008	15,276	21,112	28,132	34,755	51,361
Oak Creek	Approximately 1.28 miles upstream of confluence with Soldier Wash	228.1	10,140	15,425	21,291	28,349	34,993	51,748
Oak Creek	Approximately 2600 feet upstream of confluence with Soldier Wash	232.6	10,300	15,600	21,500	28,600	35,264	52,200
Oak Creek	At confluence with Soldier Wash	236.4	10,465	15,851	21,821	29,001	35,704	52,837
Oak Creek	At confluence with Morgan Wash	245.0	10,890	16,498	22,648	30,031	36,833	54,470
Oak Creek	Approximately 650 feet upstream of confluence with Holy Cross Wash	246.9	10,983	16,640	22,829	30,256	37,080	54,827
Oak Creek	Approximately 1.26 miles upstream of confluence with Carroll Canyon Creek	252.0	11,232	17,020	23,313	30,858	37,737	55,777

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Oak Creek	Approximately 50 feet upstream of confluence with Carroll Canyon Creek	263.9	11,819	17,914	24,449	32,267	39,271	57,992
Oak Creek	Approximately 200 feet upstream of confluence with Schuerman Caballero Creek	265.6	11,904	18,043	24,612	32,469	39,491	58,309
Oak Creek	Approximately 1.05 miles upstream of confluence with Scheurman Mtn Tank Creek	268.1	12,028	18,232	24,851	32,765	39,812	58,772
Oak Creek	At confluence with Turkey Creek	271.1	12,177	18,459	25,139	33,121	40,197	59,329
Oak Creek	Approximately 25 feet downstream of confluence with Old79 Tank Creek	276.4	12,441	18,862	25,649	33,751	40,879	60,312
Oak Creek	At confluence with Dry Creek	348.4	16,064	24,388	32,565	42,227	49,926	73,331
Oak Creek	At confluence with Hidden Valley Ranch Creek	350.9	16,192	24,583	32,807	42,522	50,236	73,777

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Oak Creek	Approximately 3750 feet upstream of confluence with Dancing Apache Wash	352.2	16,259	24,685	32,934	42,677	50,399	74,011
Oak Creek	At confluence with Dancing Apache Wash	354.3	16,400	24,900	33,200	43,000	50,740	74,500
Oak Creek	Approximately 50 feet upstream of Page Springs Rd	357.2	16,411	24,916	33,221	43,027	50,772	74,546
Oak Creek	Approximately 850 feet upstream of confluence with Page Flume Wash	362.3	16,436	24,954	33,270	43,090	50,846	74,652
Oak Creek	Approximately 1350 feet upstream of confluence with Spring Creek	437.6	16,773	25,450	33,921	43,920	51,826	76,057
Oak Creek	At confluence with Sheepshead Canyon Creek	444.6	16,802	25,492	33,976	43,990	51,908	76,175
Oak Creek	Approximately 3800 feet downstream of confluence with Sheepshead Canyon Creek	451.3	16,828	25,530	34,027	44,055	51,985	76,285
Oak Creek	Approximately 1000 feet upstream of confluence with Sugarloaf Ruins Creek	457.8	16,853	25,567	34,075	44,117	52,058	76,390

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Oak Creek	At confluence with White Hills Canyon Wash	462.1	16,870	25,592	34,108	44,158	52,107	76,460
Oak Creek	Approximately 1525 feet upstream of confluence with Seventeen Tank	464.5	16,879	25,605	34,125	44,180	52,133	76,497
Oak Wash	At confluence with Verde River	5.3	2,320	*	3,411	4,230	*	11,500
Oak Wash	At Fir Street	4.5	794	*	1,123	1,248	*	1,677
Old79 Tank Creek	Approximately 1300 feet upstream of confluence with Oak Creek	1.6	386	665	934	1,256	1,596	2,247
Page Flume Wash	Approximately 1250 feet upstream of confluence with Page Lookout Wash	2.0	477	823	1,156	1,555	1,976	2,778
Page Flume Wash	At confluence with Page Lookout Wash and Page Flume Wash	4.4	780	1,327	1,850	2,473	3,143	4,376
Page Lookout Wash	Approximately 1600 feet upstream of confluence with Page Flume Wash	2.4	521	897	1,259	1,693	2,152	3,026
Powder House Wash Tributary 1	At Powder House Wash	[2]	[2]	*	[2]	222	*	[2]
Powder House Wash Tributary 2	At Powder House Wash	[2]	[2]	*	[2]	133	*	[2]

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Prickly Pear Wash	At Prickly Pear Drive	0.5	*	*	*	520	*	*
Railroad Wash	At confluence with Cottonwood Ditch	1.2	397	*	506	570	*	680
Railroad Wash	At East Mingus Culvert	1.1	398	*	507	572	*	685
Railroad Wash	At East Mingus Avenue and 10th Street	0.9	245	*	312	353	*	420
Railroad Wash	At East Mingus Avenue and Paula Street	0.8	245	*	310	345	*	410
Railroad Wash	At bypass Highway U.S. Route 89A	0.5	46[5]	*	59[5]	66[5]	*	80[5]
Railroad Wash	At Cottonwood Airport Runway	0.5	172	*	297	347	*	518
Ramsgate Wash	Approximately 1,500 feet downstream of Iron Springs Road	34.0	2,390	*	6,500	8,700	*	14,650
Ramsgate Wash	Above confluence with Dead Mule Canyon Wash	25.0	1,670	*	4,870	6,460	*	11,360
Red Boynton Wash	Approximately 1800 feet upstream of confluence with Marshall Tank Wash	1.4	350	624	899	1,233	1,567	2,273

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Red Boynton Wash	Approximately 1325 feet upstream of confluence with Marshall Tank Wash	3.1	588	1,035	1,477	2,010	2,555	3,659
Red Boynton Wash	At confluence with Red Boynton Wash and Marshall Tank Wash	4.6	743	1,286	1,818	2,457	3,123	4,424
Red Boynton Wash	Approximately 4000 feet downstream of confluence with Marshall Tank Wash	5.5	824	1,413	1,989	2,676	3,402	4,789
Red Boynton Wash	Approximately 40 feet upstream of confluence with Huntley Tank Creek	8.1	1,054	1,780	2,484	3,320	4,220	5,878
Red Boynton Wash	Approximately 1.18 miles downstream of confluence with Huntley Tank Creek	10.0	1,205	2,021	2,808	3,740	4,754	6,587
Red House Mountain Creek	Approximately 1200 feet upstream of confluence with Oak Creek	2.4	489	841	1,184	1,594	2,026	2,857
Red Rock Wash	At downstream limit of detailed study	1.7	*	*	*	1,000	*	*
Red Rock Wash	At Cactus Wren Drive	1.0	*	*	*	510	*	*
Rio Mesa Wash	At State Route 260	0.8	363	*	549	631	*	843

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Roadway Spring Wash	Approximately 2300 feet upstream of confluence with Spring Creek	0.6	213	369	518	697	886	1,249
Robert Wash	*	3.1	*	*	*	1,624	*	*
Russell Wash	At confluence with Wet Beaver Creek	15.3	1,610	*	5,300	8,110	*	18,000
Santa Cruz Wash	At Old U.S. Route 89	[1]	4,950	*	13,600	19,800	*	57,100
Santa Cruz Wash	At Road 5 North	28.6	3,000	*	8,240	12,000	*	34,600
Santa Cruz Wash	Approximately 600 feet downstream of Colorado Way	25.4	*	*	*	11,000	*	*
Santa Cruz Wash	At Perkins Ville Road	20.5	*	*	*	9,200	*	*
Santa Cruz Wash	At Road 2 North	13.3	*	*	*	6,400	*	*
Santa Cruz Wash	At Palo Verde and Lake Shore Drive	10.8	*	*	*	5,400	*	*
Santa Cruz Wash	Just North of Grasshopper Lane	10.1	*	*	*	5,100	*	*
Santa Cruz Wash	Approximately 300 feet South of Road 1 South, downstream of confluence of Autumn Wash	7.9	*	*	*	4,100	*	*
Santa Cruz Wash	At Road 4 South	3.8	*	*	*	2,200	*	*

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Scheurman Mtn Tank Creek	Approximately 2000 feet upstream of confluence with Oak Creek	1.0	276	479	677	915	1,163	1,651
Schuerman Caballero Creek	Approximately 1350 feet upstream of confluence with Oak Creek	0.5	171	301	428	583	741	1,063
Secret Canyon Creek	Approximately 6100 feet upstream of confluence with Dry Creek	16.5	1,532	2,830	4,191	5,865	7,455	11,140
Secret Canyon Creek	Approximately 4200 feet upstream of confluence with Dry Creek	17.4	1,592	2,931	4,331	6,050	7,690	11,459
Secret Loy Creek	Approximately 1700 feet upstream of confluence with Loy Canyon Creek	0.3	136	259	387	547	695	1,055
Secret Mountain Canyon Creek	Approximately 1300 feet upstream of confluence with Loy Canyon Creek	0.6	206	395	593	840	1,068	1,628
Seventeen Summit Wash	Approximately 1650 feet upstream of confluence with Oak Creek	0.9	291	489	675	896	1,139	1,571
Seventeen Tank	Approximately 2150 feet upstream of confluence with Oak Creek	2.3	511	841	1,148	1,509	1,918	2,605

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Sexton Ranch Wash	Approximately 1900 feet upstream of confluence with Oak Creek	0.4	173	296	413	553	703	982
Sheepshead Canyon Creek	Approximately 1300 feet upstream of confluence with Oak Creek	5.3	877	1,454	1,997	2,637	3,352	4,582
Sheepshead Canyon Creek	Approximately 700 feet upstream of confluence with Oak Creek	6.2	974	1,607	2,203	2,902	3,689	5,026
Silver Springs Gulch	At confluence with Verde River	5.3	2,541	*	3,737	4,634	*	12,500
Skull Valley Wash	At Kirkland	147.0	8,000	*	23,300	31,500	*	54,900
Small Turkey Creek	Approximately 1350 feet upstream of confluence with Oak Creek	0.3	148	264	376	514	653	939
Soldier Pass Lookout Wash	Approximately 1300 feet upstream of confluence with Dry Creek	0.3	108	187	267	364	463	668
Soldier Pass Wash	Approximately 925 feet upstream of confluence with Lost Wilson Creek	2.8	513	937	1371	1,903	2,418	3,571
Soldier Pass Wash	At confluence with Lost Wilson Creek	3.7	622	1,119	1,624	2,239	2,846	4,159
Soldier Wash	Upstream of confluence with Substation Soldier Wash	2.3	813	998	1,630	2,057	3,176	3,195

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Soldier Wash	Downstream of confluence with Substation Soldier Wash	3.1	1,043	1,278	2,120	2,656	4,054	4,112
Soldier Wash	At SR-89A	3.3	1,110	1,359	2,237	2,796	4,220	4,317
Soldier Wash	Approximately 900 feet upstream of Moonlight Drive	1.5	1,008	1,437	1,757	2,155	2,901	3,108
Sols Wash	At Maricopa/Yavapai County Boundary	86.7	3,696	*	7,504	9,419	*	13,760
South Branch Agua Fria River (At Prescott-Valley)	Approximately 1,580 feet upstream of Glassford Hill Road	4.3	*	*	*	2,596	*	4,572
South Branch Agua Fria River (At Prescott-Valley)	Approximately 230 feet upstream of Glassford Hill Road	4.3	*	*	*	2,377	*	4,365
South Branch Oak Wash	At confluence with Oak Wash	0.5	339	*	549	694	*	944
South Rocky Boy Wash	Upstream of confluence with Model Creek	3.4	880	*	2,340	2,740	*	3,900

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Spring Creek	Approximately 2.45 miles upstream of confluence with Loy Canyon Creek	14.4	1,459	2,554	3,651	4,972	6,319	9,056
Spring Creek	At confluence with Loy Canyon Creek	31.8	2,524	4,358	6,180	8,349	10,612	15,022
Spring Creek	Approximately 3800 feet downstream of confluence with Loy Canyon Creek	33.3	2,610	4,492	6,356	8,574	10,897	15,387
Spring Creek	Approximately 1200 feet upstream of confluence with Windmill Ranch Wash	35.9	2,748	4,706	6,639	8,933	11,354	15,970
Spring Creek	Approximately 4100 feet downstream of confluence with Windmill Ranch Wash	37.4	2,831	4,834	6,808	9,148	11,627	16,319
Spring Creek	At confluence with Dad Jones Tank2 Wash	40.6	3,009	5,111	7,174	9,612	12,217	17,073
Spring Creek	At confluence with Triangle Tank Wash	42.1	3,094	5,244	7,349	9,833	12,498	17,431
Spring Creek	At confluence with Coffee Creek	66.8	4,192	6,954	9,622	12,741	16,193	22,223

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Spring Creek	Approximately 2025 feet upstream of confluence with Roadway Spring Wash	68.4	4,262	7,061	9,762	12,917	16,418	22,507
Spring Creek	Approximately 1400 feet downstream of confluence with Roadway Spring Wash	72.	4,433	7,322	10,102	13,345	16,961	23,191
Squaw Creek	At Agua Fria River	56.0	3,970	*	11,900	17,500	*	37,000
Sterling Canyon Creek	Approximately 2075 feet upstream of confluence with Dry Creek	2.2	468	890	1,331	1,882	2,391	3,626
Stingray Wash	Approximately 800 feet upstream of confluence with Oak Creek	0.4	171	295	413	555	705	990
Stone Way Wash	At confluence with Miller Creek	0.2	146	205	249	297	*	411
Sugarloaf Ruins Creek	Approximately 1850 feet upstream of confluence with Oak Creek	1.0	330	563	782	1,043	1,326	1,842
Telephone Tank Wash	Upstream of confluence with Green Wash	4.4	*	*	*	3,128	*	*
Telephone Tank Wash Breakout	Upstream of confluence with Green Wash	7.0	*	*	*	4,500	*	*

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Telephone Tank Wash Breakout	Upstream of confluence of Robert Wash	3.9	*	*	*	2,900	*	*
Texas Gulch Main Stream	Upstream of confluence with Agua Fria River	10.2	*	*	*	3,973	*	*
Texas Gulch Main Stream	At State Route 169	7.4	*	*	*	3,091	*	*
Texas Gulch Main Stream	Above confluence of West Branch	4.8	*	*	*	1,893	*	*
Texas Gulch West Branch	Upstream of State Route 169	2.6	*	*	*	1,380	*	*
Texas Gulch West Branch	Upstream of South Tributary	0.9	*	*	*	620	*	*
Texas Gulch West Branch	Upstream of North Tributary	0.6	*	*	*	400	*	*
Timon Wash	Above confluence with Big Chino Wash	2.5	[2]	*	[2]	2,225	*	[2]
Timon Wash	At upper limit of detailed study	1.7	[2]	*	[2]	1,798	*	[2]
Tiny Creek	Approximately 1550 feet upstream of confluence with Oak Creek	0.2	109	195	278	381	484	698
Triangle Tank Wash	Approximately 2400 feet upstream of confluence with Spring Creek	1.4	369	634	887	1,190	1,513	2,122

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Turkey Creek	Approximately 1100 feet upstream of confluence with Oak Creek	2.3	481	824	1,156	1,554	1,975	2,775
Verde River	At USGS Gage No. 09506000	4,645.0	37,000	*	96,800	136,700	*	276,500
Verde River	Below confluence with West Clear Creek	4,619.0	36,800	*	96,000	135,600	*	273,900
Verde River	Below confluence with West Beaver Creek	4,287.0	33,500	*	86,300	121,200	*	241,000
Verde River	Below confluence with Oak Creek	3,776.0	28,700	*	72,100	100,000	*	193,900
Verde River	At U.S. Route 89 Bridge	3,247.0	23,900	*	58,200	79,600	*	149,700
Verde River	At USGS Gage No. 09504000	3,124.0	22,750	*	55,100	75,100	*	136,700
Viewpoint Wash	At confluence with Agua Fria River	1.3	[2]	[2]	[2]	1,957	*	[2]
Viewpoint Wash	At the Abandoned Railroad	1.3	[2]	[2]	[2]	1,948	*	[2]
Viewpoint Wash	At Manley Drive	1.0	[2]	[2]	[2]	1,394	*	[2]
Viewpoint Wash	At Custer Circle	0.8	[2]	[2]	[2]	1,182	*	[2]
Viewpoint Wash	At Spouse Drive	0.7	[2]	[2]	[2]	723	*	[2]
Viewpoint Wash	At Long look Drive	0.5	[2]	[2]	[2]	567	*	[2]

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Virginia Street Wash	Upstream of Atchison, Topeka & Santa Fe Railroad	0.7	*	*	*	1,450	*	2,045
Virginia Street Wash	Upstream of Gurley Street	0.5	*	*	*	1,170	*	1,690
Wash P	At Hassayampa River	0.9	[2]	*	[2]	898	*	[2]
West Clear Creek	Upstream of confluence with Verde River	293.0	10,600	*	23,600	35,400	*	62,500
West Fork Miller Creek	At Hays Ranch Road	20.0	[2]	*	[2]	9,090[6]	*	[2]
West Fork Oak Creek	Approximately 1925 feet upstream of confluence with Oak Creek	45.6	2,563	4,638	6,825	9,501	12,076	17,910
Wet Beaver Creek	Upstream of Dry Beaver Creek confluence	220.0	[2]	*	[2]	28,330	*	[2]
Wet Beaver Creek	Upstream of Russell Wash confluence	199.0	[2]	*	[2]	27,200	*	[2]
Wet Beaver Creek	Downstream of Red Tank Draw confluence	189.0	[2]	*	[2]	25,850	*	[2]
Wet Beaver Creek	Upstream of Red Tank Draw confluence	135.0	[2]	*	[2]	21,930	*	[2]
Wet Beaver Creek	At USGS Gage near Rimrock	111.0	[2]	*	[2]	19,330	*	[2]

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
White Hills Canyon Wash	Approximately 2000 feet upstream of confluence with Oak Creek	2.6	580	969	1,333	1,764	2,241	3,073
White Hills Wash	Approximately 1925 feet upstream of confluence with Oak Creek	4.0	772	1,289	1,774	2,345	2,981	4,083
Williamson Valley Wash	Upstream of confluence with Big Chino Wash	[1]	6,420	*	13,130	18,265	*	44,140
Williamson Valley Wash – North Split	*	[1]	[2]	*	[2]	11,510	*	[2]
Willow Creek	At Willow Creek Road (Willow Creek Reservoir)	19.7	3,750	5,750	7,480	9,425	*	15,730
Willow Creek	3,000 feet upstream of Willow Creek Road	16.8	2,900	4,480	5,850	7,890	*	13,730
Willow Creek	At Williamson Valley Road	15.2	2,385	3,730	5,280	7,135	*	12,580
Willow Creek	Approximately 2,790 feet upstream of West Pine Lakes Drive	9.4	1,130	2,130	3,145	4,430	*	8,335
Willow Creek Reservoir Tributary	Entering Willow Lake (Willow Creek Reservoir)	2.1	1,600	2,340	2,950	3,610	*	5,320

Table 10: Summary of Discharges (continued)

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)					
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance Existing	1% Annual Chance Plus	0.2% Annual Chance
Willow Creek Reservoir Tributary	Approximately 500 feet downstream of Smoke Tree Lane	1.5	1,400	2,020	2,520	3,060	*	4,420
Willow Creek Tributary	At confluence with Willow Creek	1.2	750	1,025	1,270	1,590	*	2,410
Windmill Ranch Wash	Approximately 1800 feet upstream of confluence with Windmill Spring Wash	1.3	326	563	793	1,070	1,360	1,924
Windmill Ranch Wash	At confluence with Windmill Spring Wash	1.9	414	709	994	1,337	1,700	2,391
Windmill Spring Wash	Approximately 700 feet upstream of confluence with Windmill Ranch Wash	0.1	66	119	172	237	301	440
Zalesky Wash	Upstream of confluence with Verde River	5.9	*	*	*	2,887	*	*

*Data not available
[1]Data not applicable
[2]Data not computed
[3]9,090 cubic feet per second of flow is lost to West Fork Miller Creek
[4]Discharges for Lakeshore Drive Wash were obtained by adjusting discharge values of Loos Drive Wash
[5]Discharge is comparatively less because of the existence of the Detention Basin
[6]West Fork Miller Creek is created from divided flow from Miller Creek

Figure 7: Frequency Discharge-Drainage Area Curves

[Not applicable to this Flood Risk Project]

Table 11: Summary of Non-Coastal Stillwater Elevations

Flooding Source	Location	Elevations (feet NAVD88)				
		10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Willow Lake	Willow Creek Reservoir	5,143.0	5,145.0	5,145.5	5,146.0	5,147.3

Table 12: Stream Gage Information used to Determine Discharges

Flooding Source	Gage Identifier	Agency that Maintains Gage	Site Name	Drainage Area (Square Miles)	Period of Record	
					From	To
Agua Fria River	09512800	USGS	Agua Fria River near Rock Springs	1,111	01/27/1970	Present
Dry Beaver Creek	09505350	USGS	Dry Beaver Creek	142	10/01/1960	Present
Granite Creek	09502960	USGS	Granite Creek at the City of Prescott	30	10/01/2007	Present
Hassayampa River	5308	Flood Control District of Maricopa County	Hassayampa River at Box Canyon	417	11/17/1983	Present
Oak Creek	09504500	USGS	Oak Creek near Cornville	357	07/01/1940	02/02/1993
Oak Creek	09504420	USGS	Oak Creek near the City of Sedona	233	10/01/1981	Present
Verde River	*	*	Verde River at the Town of Camp Verde[1]	4,220	*	*

Table 12: Stream Gage Information used to Determine Discharges (continued)

Flooding Source	Gage Identifier	Agency that Maintains Gage	Site Name	Drainage Area (Square Miles)	Period of Record	
					From	To
Verde River	*	*	Verde River Downstream of the Town of Camp Verde[1]	4,670	*	*
Verde River	09506000	USGS	Verde River near the Town of Camp Verde[1]	5,009	04/01/1934	02/20/1993
Verde River	09504000	USGS	Verde River At the Town of Clarkdale	3,124	06/18/1915	Present
Verde River	09504000	USGS	Verde River near the Town of Clarkdale	3,503	06/18/1915	Present
West Clear Creek	09505800	USGS	West Clear Creek near the Town of Camp Verde	241	12/05/1964	Present
Wet Beaver Creek	09505200	USGS	Wet Beaver Creek near Rimrock, AZ	111	10/01/1961	Present

*Data not available
[1]Non-concurrent records from three separate gaging stations

5.2 Hydraulic Analyses

Analyses of the hydraulic characteristics of flooding from the sources studied were carried out to provide estimates of the elevations of floods of the selected recurrence intervals. Base flood elevations on the FIRM represent the elevations shown on the Flood Profiles and in the Floodway Data tables in the FIS Report. Rounded whole-foot elevations may be shown on the FIRM in coastal areas, areas of ponding, and other areas with static base flood elevations. These whole-foot elevations may not exactly reflect the elevations derived from the hydraulic analyses. Flood elevations shown on the FIRM are primarily intended for flood insurance rating purposes. 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. The hydraulic analyses for this FIS were based on unobstructed flow. The flood elevations shown on the profiles are thus considered valid only if hydraulic structures remain unobstructed, operate properly, and do not fail.

For streams for which hydraulic analyses were based on cross sections, locations of selected cross sections are shown on the Flood Profiles (Exhibit 1). For stream segments for which a floodway was computed (Section 6.3), selected cross sections are also listed on Table 24, "Floodway Data."

A summary of the methods used in hydraulic analyses performed for this project is provided in Table 13. Roughness coefficients are provided in Table 14. Roughness coefficients are values representing the frictional resistance water experiences when passing overland or through a channel. They are used in the calculations to determine water surface elevations. Greater detail (including assumptions, analysis, and results) is available in the archived project documentation.

Table 13: Summary of Hydrologic and Hydraulic Analyses

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Agua Fria River (At Black Canyon City)	Approximately 2.3 miles below Old Black Canyon Highway	Approximately 4.1 miles above I- 17 Northbound	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	12/2014	AE w/ Floodway	
Agua Fria River (At Dewey-Humbolt)	Approximately 1,950 feet below Prescott Street	Approximately 2,400 feet above confluence of Clipper Wash	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	12/2014	AE w/ Floodway	
Agua Fria River (At Prescott Valley)	Approximately 700 feet below confluence of Navajo Drive Wash	Approximately 1.0 mile above Glassford Hill Road	Natural Resources Conservation Service TR-20	HEC-RAS 4.1.0	04/02/2016	AE w/ Floodway	
Alberson Wash	Approximately 0.5 mile below Onyx Drive	Approximately 310 feet above Rose Quartz Drive	*	*	11/2012	AE w/ Floodway	
Alberson Wash Tributary	Confluence with Alberson Wash	Approximately 650 feet above confluence with Alberson Wash	*	*	11/2012	AE w/ Floodway	
American Wash	Confluence with Mint Wash	Approximately 80 feet above Love Lane	HEC-HMS 3.5	HEC-RAS 4.1.0	01/2017	AE w/ Floodway	
Antelope Peak Wash	Confluence with Miller Creek	Approximately 600 feet above confluence with Miller Creek	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Arizonard Wash	Confluence with Tom Lockett Draw Creek	Approximately 2,400 feet west of Section 13/Section 14 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Arrastre Creek	Confluence with Hassyampa River	Existing Zone A limits, near terminus of Whitehead Rach Road	Regression Equations	HEC-RAS	04/2017	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Ash Fork Draw Wash	Approximately 140 feet upstream of Track Side Lane	20 feet above Atchison, Topeka, and Santa Fe Railroad	*	*	*	AE w/ Floodway	
Ash Fork Draw Wash	Confluence with Partridge Creek	Approximately 140 feet upstream of Track Side Lane	Regression Equations	HEC-RAS	04/2017	A	
Aspen Creek	Confluence with Granite Creek	0.11 miles above High Valley Ranch Road	*	*	*	AE w/ Floodway	
Backwoods Creek	Confluence with Model Creek	Approximately 800 feet above confluence with Model Creek	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Banning Creek	Confluence with Granite Creek	Approximately 40 feet West of Valley Ranch Circle	*	*	*	AE w/ Floodway	
Beaver Creek	Confluence with Verde River	Approximately 8.76 miles above confluence with Verde River	Regression Equations - USGS	HEC-RAS 4.1.0	*	A, AE w/ Floodway	
Big Bug Creek	Confluence with Agua Fria River	6 miles above Central Avenue	*	*	2011	AE w/ Floodway	
Big Chino Wash	Approximately 8,000 feet downstream of Walnut Creek	Approximately 4,000 feet downstream of the Yavapai County boundary	HEC-2	HEC-RAS 4.1.0	04/2014	A	
Big Chino Wash	Sullivan Lake Spillway	Approximately 700 feet upstream of U.S. Route 89	*	*	*	AE w/ Floodway	
Big Chino Wash Overflow	Confluence with Big Chino Wash	Approximately 400 feet upstream of Unnamed Road	*	*	*	AE w/ Floodway	
Big Chino Wash U.S. Route 89 Overflow	Confluence with Big Chino Wash	Approximately 0.26 miles upstream of Big Chino Wash	*	*	*	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Black Canyon Creek	Confluence with Agua Fria River	Confluence with Turkey Creek and Poland Creek	Regression Equations - USGS	HEC-RAS 4.1.0	12/2012	A, AE w/ Foodway	
Black Canyon Creek	Confluence with Verde River	Approximately 1.3 miles Unnamed Road	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Blind Indian Creek	Confluence with Hassayampa River	Approximately 1.2 miles upstream of P7 Ranch Road	Regression Equations	FLO-2D	04/2017	A	
Blue Tank Wash	Confluence with Hassayampa River	Just upstream of the county boundary	*	*	*	A, AE, AE w/ Floodway	Floodway located entirely within Maricopa County
Bottleneck Wash	Confluence with Granite Creek	Approximately 3.2 miles above Granite Creek	HEC-1	HEC-RAS 4.1.0	*	A, AE w/ Floodway	
Boynton Canyon Creek	Confluence with Dry Creek	Approximately 1 mile upstream from Squaw Lane	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Foodway	
Buckhorn Creek	Confluence with Model Creek	Approximately 800 feet above confluence with Model Creek	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Cameron Spring Creek	Confluence with Cottonwood Creek	Approximately 600 feet upstream of existing Zone A limits	Regression Equations	HEC-RAS	04/2017	A	
Campbells Flat Spring Creek	Confluence with Cherry Creek	Approximately 1,000 feet upstream of confluence with Cherry Creek	Regression Equations	HEC-RAS	04/2017	A	
Capitol Chinup Creek	Confluence with Dry Creek	Approximately 1,675 feet upstream from confluence with Dry Creek	HEC-HMS 4.2	HEC-RAS 4.1.0	5/30/2018	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Carroll Canyon Creek	Confluence with Oak Creek	Approximately 2.1 miles upstream from Chavez Ranch Road	HEC-HMS 4.2	HEC-RAS 4.1.0	5/30/2018	AE w/ Floodway	
Carroll Foothills Creek	Confluence with Carroll Canyon Creek	Approximately 2,400 feet upstream from confluence with Carroll Canyon Creek	HEC-HMS 4.2	HEC-RAS 4.1.0	5/30/2018	AE w/ Floodway	
Carroll Montana Wash	Confluence with Carroll Foothills Creek	Approximately 223 feet upstream from confluence with Carroll Foothills Creek	HEC-HMS 4.2	HEC-RAS 4.1.0	5/30/2018	A	
Carroll Raquel Wash	Confluence with Carroll Foothills Creek	Approximately 440 feet upstream from confluence with Carroll Foothills Creek	HEC-HMS 4.2	HEC-RAS 4.1.0	5/30/2018	A	
Carter Ranch Wash	Confluence with Hassayampa River	Approximately 0.5 miles upstream of Crooks Canyon Road	Regression Equations	HEC-RAS	04/2017	A	
Carter Wash	Confluence with French Gulch / Hassayampa River	Approximately 700 feet west of Section 34/Section 35 boundary line	Regression Equations	FLO-2D	04/2017	A	
Cherry Creek	Confluence with Verde River	Upstream of Bunker Spring confluence	Regression Equations - USGS	HEC-RAS 4.1.0	*	A, AE w/ Floodway	
Cherry Creek	Confluence with Hassayampa River	Prescott National Forest Boundary	Regression Equations	HEC-RAS and FLO-2D	04/2017	A	
Cherry Creek Overflow	Confluence with Verde River	Confluence with Cherry Creek Overflow	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Cherry Hill Wash	283 feet below of East Rodeo Drive	0.40 miles above Rainbow Drive	Regression Equations	HEC-RAS	04/2017	AE w/ Floodway	Revised by LOMR 13-09-1967P

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Chimney Rock Creek	Confluence with Dry Creek	Approximately 1,050 feet upstream from confluence with Dry Creek	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Chino Grande Wash	At W. Double O Ranch Road	Approximately 1,500 feet above W. Double O Ranch Road	Regression Equations - USGS	HEC-RAS 4.1.0	01/2017	A	New modeling was reviewed and SFHA was tied into the Big Chino Wash SFHA using provided topography
Chino Valley Stream	Confluence of Chino Valley Stream (with levee)	0.8 miles above West Center Street	*	*	*	AE w/ Floodway	
Chino Valley Stream (Tributary)	Confluence with Chino Valley Stream	0.19 miles above Bandit Ridge Road	*	*	*	AE w/ Floodway	
Chino Valley Stream (with levee)	Confluence with Santa Cruz Wash	Confluence of Chino Valley Stream (with levee)	*	*	*	AE w/ Floodway	
Chino Valley Stream East	Confluence with Chino Valley Stream	3.7 miles above Chino Valley Stream	*	*	*	AE w/ Floodway	
Clayton Canyon Wash	Confluence with Big Chino Wash	330 feet above Barbara Road	*	*	*	AE w/ Floodway	
Cliffrose Wash	Confluence with Arizonard Wash	Approximately 800 feet south of Section 11/Section 14 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Clipper Wash	Confluence with Agua Fria River	2.2 miles above Agua Fria River	*	*	*	AE w/ Floodway	
Coffee Creek	Confluence with Spring Creek	Approximately 1.1 miles upstream of Bill Gray Road	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A, AE w/ Floodway	
Concho Wash	Confluence with Red Rock Wash	219 feet above S Chestnut Lane	*	*	*	A, AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Cooper Wash	Confluence with Mint Wash	Approximately 0.4 miles above confluence with Mint Wash	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Copper Basin Wash	Confluence with Skull Valley Wash	Approximately 7,000' downstream of Prescott National Forest boundary	Regression Equations	HEC-RAS and FLO-2D	04/2017	A	
Copper Canyon Wash	Confluence with Verde River	1,423 feet above W Salt Mine Road	*	*	*	AE w/ Floodway	
Cottonwood Creek	Confluence with Date Creek	Approximately 3 miles upstream of Date Creek Road	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Cottonwood Creek	Confluence with Hassayampa River	Approximately 3,500 feet downstream of Section 20/Section 21 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Cougar Creek	Confluence with Agua Fria River	324 feet above Black Canyon City Landfill	Regression Equations - USGS	HEC-RAS 4.1.0	12/2012	AE w/ Floodway	
Dad Jones Tank 2 Wash	Confluence with Spring Creek	Approximately 2,000 feet upstream from NF-761B	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Dancing Apache Wash	Confluence with Oak Creek	Approximately 780 feet upstream from Dancing Apache Road	Regression Equations - USGS	HEC-RAS 4.1.0 and FLO-2D	05/30/2018	A, AE	Zone AE flooding modeled by 2-D
Dead Mule Canyon Wash	Confluence with Ramsgate Wash	1.19 miles above confluence with Ramsgate Wash	*	*	*	AE w/ Floodway	
Deception Wash	Confluence with Verde River	1.3 miles above Desert Sky Drive	*	*	*	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Del Monte Wash	Confluence with Verde River	Approximately 1.4 miles above Main Street	Regression Equations - USGS	HEC-RAS 4.1.0 and FLO-2D	*	AE, AE w/ Floodway	
Devils Bridge Creek	Confluence with Dry Creek	Approximately 530 from confluence with Dry Creek	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Diamond 2 Ranch Wash	Confluence with Hassayampa River	Approximately 800 feet upstream of Wagoner Road	Regression Equations	HEC-RAS	04/2017	A	
Dillon Wash	Confluence with Mint Wash	Approximately 0.6 miles above confluence with Mint Wash	Regional Regression Equations - Region 12	FLO-2D	04/2014	A	
Dry Beaver Creek	Confluence with Beaver Creek	3.3 miles above confluence with Beaver Creek	*	*	*	AE w/ Floodway	
Dry Creek	Confluence with Oak Creek	Approx. 3,600 ft above Sterling Canyon Creek	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A, AE w/ Floodway	
Dry Sterling Creek	Confluence with Dry Creek	Approximately 1,290 feet upstream from confluence with Dry Creek	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Dry Well Wash	Confluence with Clayton Canyon Wash	758 feet above Barbara Road	*	*	*	AE w/ Floodway	
Dunlap Creek	Confluence with Model Creek	Approximately 0.9 miles above confluence with Model Creek	Regional Regression Equations - Region 12	HEC-RAS 4.1.0	04/2014	A	
Earls Tank Wash	Confluence with Dry Creek	Approximately 520 feet from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Eastwood Creek	Confluence with Kirkland Creek	Approximately 2 miles upstream of Mule Show Ranch Road	Regional Regression Equations - Region 12	HEC-RAS 4.1.0	04/2014	A	
Eight Mile Creek	Confluence with Tom Lockett Draw Creek	Approximately 1,200 feet north of Section 27/Section 24 boundary line; near Yavapai County boundary	Regression Equations	HEC-RAS	04/2017	A	
Fay Boynton Creek	Confluence with Fay Canyon Creek	Approximately 520 feet upstream from Boynton Pass Road	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Fay Canyon Creek	Confluence with Dry Creek	Approximately 2,600 feet upstream from Boynton Pass Rd	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Fay Doe Creek	Confluence with Fay Canyon Creek	Approximately 1,650 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Finch Wash	Confluence with Skull Valley Wash	Approximately 2.2 miles upstream of Iron Springs Road	Regression Equations	HEC-RAS and FLO-2D	04/2017	A	
French Gulch	Confluence with Hassayampa River	Section 20/Section 21 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Grampa Wash	Confluence with Verde River	Approximately 0.4 miles above Verde River	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Granite Creek	Confluence with Verde River	City of Prescott limits	HEC-1	HEC-RAS 4.1.0	*	A, AE w/ Floodway	
Grasshopper Flat Tank Wash	Confluence with Dry Creek	Approximately 1,300 feet upstream from confluence with Dry Creek	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Grasshopper Flattop Wash	Confluence with Carroll Canyon Creek	Approximately 3,150 ft upstream from confluence with Carroll Canyon Creek	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Harper Canyon	Confluence with Miller Creek	Approximately 1,300 feet above the confluence with Miller Creek	HEC-HMS 3.5	HEC-RAS 4.1.0	04/2014	A	
Hart Well Creek	Confluence with Loy Canyon Creek	Approximately 2,500 feet from Road 525	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Hart Well Lincoln Creek	Confluence with Hart Well Creek	Approximately 1,420 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Hart Well Taylor Creek	Confluence with Hart Well Creek	Approximately 1,400 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Hassayampa River	Approximately 1 mile downstream of the confluence with Trib 2 Hassayampa River	Approximately 1 mile downstream of W Wagoner Road	Regression Equations	HEC-RAS and FLO-2D	04/2017	A	
Hassayampa River	Yavapai/Maricopa County boundary	Approximately 1 mile downstream of confluence of Trib 2 Hassayampa River	*	*	*	A, AE w/ Floodway	
Hassayampa River	Approximately 1 mile downstream of W Wagoner Road	Approximately 1.6 miles upstream of W Wagoner Road	*	*	*	A, AE w/ Floodway	
Hitt Wash	Confluence with Williamson Valley Wash	Approximately 4,000 feet upstream of Las Vegas Road	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Hodgkins Gulch	Confluence with French Gulch	Existing Zone A boundary, approximately 200' downstream of Section 34/Section 3 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Holy Cross Wash	Confluence with Oak Creek	Easement at West Mallard Drive	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Homestead Windmill Wash	Confluence with Copper Basin Wash	Existing Zone A boundary, 200 feet north of T12-1/2 Section line	Regression Equations	HEC-RAS	04/2017	A	
Huntley Tank Creek	Confluence with Red Boynton Wash	Approximately 850 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Indian Springs Wash	Confluence with Mud Tank Wash	Approximately 2 miles upstream of North Williamson Valley Road	Regional Regression Equations - Region 12	HEC-RAS 4.1.0	04/2014	A	
Jacks Canyon	Confluence with Dry Beaver Creek	355 feet above Jacks Canyon Rd	*	*	*	A, AE w/ Floodway	
J. W. Draw	Confluence with Green Wash	400 feet above Ahonen Road	*	*	*	AE w/ Floodway	
Jerome Canyon Wash	Confluence with Mint Wash	Approximately 0.3 miles above confluence with Mint Wash	Regional Regression Equations - Region 12	HEC-RAS 4.1.0	04/2014	A	
Jumbo Tank Wash	Confluence with Ash Fork Draw Wash	Approximately 1,600 feet east of Section 17/ Section 18 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Juniper Spring Wash	Confluence with Miller Creek	Approximately 0.3 miles above confluence with Miller Creek	Regional Regression Equations - Region 12	HEC-RAS 4.1.0	04/2014	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Kieckhefer Tank Wash	Approximately 1,200 feet SE of corner of Section 15 in Big Chino Valley	Approximately 1,700 feet downstream of unnamed road	Regional Regression Equations - Region 12	HEC-RAS 4.1.0	01/2017	A	New modeling was reviewed and SFHA was tied into the Big Chino Wash SFHA using provided topography
Kirkland Creek (North)	Approximately 2,000 ft above confluence with Eastwood Creek	At W. Kirkland Hillside Road	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	01/2017	A	No new modeling but SFHA was compared to provided topography data and updated
Kirkland Creek (North)	Approximately 3.5 miles north of Kirkland Hillside / SR 96 Road	Approximately 1 mile downstream of Single Six Road	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Kirkland Creek (South)	Confluence with Poplar Wash	Approximately 1 mile upstream of confluence with Popular Wash	Regional Regression Equations - Region 12	HEC-RAS 4.1.0	04/2014	A	
Lakeshore Drive Wash	Confluence with Agua Fria River	At Robert Road	Regional Regression Equations	HEC-RAS 4.1.0	06/20/2017	A, AE w/ Floodway	LOMR 16-09-1866P was incorporated for this reach as a part of the Prescott Valley Floodplain Delineation Study
Lincoln Canyon Creek	Confluence with Loy Canyon Creek	Approximately 1,600 feet upstream from confluence with Loy Canyon Creek	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Little Carroll Canyon Wash	Confluence with Carroll Canyon Creek	Approximately 300 feet upstream of Chavez Ranch Road	Regional Regression Equations - USGS	HEC-RAS 4.1.0	03/2011	AE w/ Floodway	
Little Harper Canyon	Confluence with Miller Creek	Approximately 1,950 feet above confluence with Miller Creek	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Little Sickles Wash	Confluence with Sickles Wash	Approximately 0.3 miles above confluence with Sickles Wash	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Little White Hills Wash	Confluence with Oak Creek	Approximately 1,000 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Lone Cactus Drive Wash	Confluence with North Tributary to South Branch Agua River	Approximately 550 feet upstream of Manley Drive	Regional Regression Equations	HEC-RAS 4.1.0	06/20/2017	A	LOMR 16-09-1866P was incorporated for this reach as a part of the Prescott Valley Floodplain Delineation Study
Lonesome Valley Wash	Approximately 1,300 feet downstream of Unnamed Road	1,800 feet upstream of the confluence of Lonesome Valley Wash Tributary Reach 405	*	*	*	AE	
Lonesome Valley Wash	*	*	*	*	*	AE	
Lonesome Valley Wash Tributary Reach 100	Confluence with Lonesome Valley Wash	1.91 miles upstream of Unnamed Road	*	*	*	A, AE w/ Floodway	
Lonesome Valley Wash Tributary Reach 200	Confluence with Lonesome Valley Wash	1.82 miles above Unnamed Road	*	*	*	A, AE, AE w/ Floodway	
Lonesome Valley Wash Tributary Reach 330	Confluence with Lonesome Valley Wash Tributary Reach 350	0.27 miles above Lonesome Valley Wash Tributary 350	*	*	*	AE	
Lonesome Valley Wash Tributary Reach 350	Confluence with Lonesome Valley Wash Tributary Reach 360	715 feet above Unnamed Road	*	*	*	AE	
Lonesome Valley Wash Tributary Reach 360	Confluence with Lonesome Valley Wash	1,950 feet above N Hawthorne Ln	*	*	*	AE	
Lonesome Valley Wash Tributary Reach 405	Confluence with Lonesome Valley Wash	1,086 feet above Slash Arrow Drive	*	*	*	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Lonesome Valley Wash Tributary Reach 500	Confluence with Lonesome Valley Wash	Confluence with Unnamed Stream	*	*	*	AE	
Long Canyon Creek	Confluence with Dry Creek	Approximately 2.8 miles upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Long Canyon Creek	Confluence with Strickland Wash (North)	Approximately 900 feet upstream of Wildhorse Run Road	Regional Regression Equations - Region 12	HEC-RAS 4.1.0	04/2014	A	
Long Dry Creek	Confluence with Dry Creek	Approximately 920 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Long OK Creek	Confluence with Dry Creek	Approximately 420 feet upstream from Dry Creek Road	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Loos Drive Wash	Confluence with Agua Fria River	Approximately 400 feet upstream of Civic Drive	Regional Regression Equations	HEC-RAS 4.1.0	06/20/2017	AE	LOMR 16-09-1866P was incorporated for this reach as a part of the Prescott Valley Floodplain Delineation Study
Lost Wilson Creek	Confluence with Soldier Pass Wash	Approximately 1,195 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Lower Kelly Wash	Confluence with Martinez Wash	350 feet above Atchison Topeka and Santa Fe Railroad	*	*	*	A, AE w/ Floodway	
Loy Canyon Creek	Confluence with Spring Creek	Approximately 2,100 feet upstream from confluence with Secret Mountain Canyon Creek	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Lucky Canyon Wash	Confluence with Verde River	840 feet above Salt Mine Road	*	*	*	AE w/ Floodway	
Lynx Creek	Confluence with Agua Fria River	10.8 miles above Agua Fria River	*	*	*	A, AE, AE w/ Floodway	
Manzanita Creek	Confluence with Granite Creek	0.3 miles above Clubhouse Drive	*	*	*	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Marshall Tank Wash	Confluence with Red Boynton Wash	Approximately 1,670 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Martinez Wash	Confluence with Hassayampa River	1.1 miles above Atchison Topeka and Santa Fe Railroad	*	*	*	A, AE w/ Floodway	
Maughan Creek	Confluence with Miller Creek	Approximately 0.6 miles above confluence with Miller Creek	Regional Regression Equations - Region 12	HEC-RAS 4.1.0	04/2014	A	
McAllister Spring Creek	Confluence with Blind Indian Creek	Approximately 2,400 feet east of Wagoner Road	Regression Equations	FLO-2D	04/2017	A	
McCracken Wash	Confluence with Whitehead Wash	Approximately 100 feet downstream of Section 34/Section 35 boundary line	Regression Equations	FLO-2D	04/2017	A	
McIntyre Canyon Wash	Confluence with Partridge Creek	Approximately 200 feet south of Section 23/Section 26 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Meadowlark Wash	Confluence with Mint Wash	Approximately 0.3 miles above confluence with Mint Wash	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Mescal Creek	Confluence with Arrastre Creek	Approximately 1,800 feet downstream of Section 25/Section 30 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Mescal Pass Wash	Confluence with Boynton Canyon Creek	Approximately 2,200 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Mescal Wash	Confluence with Verde River	Approximately 0.3 miles above Town of Clarkdale Limits	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Mexican Tank Wash	Confluence with Partridge Creek	Approximately 600 feet west of Section 13/Section 14 boundary line	Regression Equations	HEC-RAS and FLO-2D	04/2017	A	
Milk Creek	Confluence with Hassayampa River	Prescott National Forest boundary	Regression Equations	HEC-RAS and FLO-2D	04/2017	A	
Miller Creek (Upper)	Approximately 5.5 miles upstream of confluence with Model Creek	Approximately 6.8 miles upstream of confluence with Model Creek	HEC-HMS 3.5	HEC-RAS 4.1.0	04/2014	A	
Miller Creek (At Prescott)	Confluence with Granite Creek	Approximately 0.5 miles above Pine Drive	HEC-HMS 3.5	HEC-RAS 4.1.0	04/2014	AE w/ Floodway	
Miller Creek (At Yarnell)	Approximately 0.6 mile above confluence with Model Creek	Approximately 1,350 feet above W. Willow Avenue	*	*	06/1995	AE w/ Floodway	
Minnehaha Creek	Confluence with Hassayampa River	Prescott National Forest boundary	Regression Equations	HEC-RAS	04/2017	A	
Minoto Ranch Wash	Confluence with Hassayampa River	Approximately 1,000 feet upstream of Wagoner Road	Regression Equations	HEC-RAS	04/2017	A	
Mint Wash	Approximately 2,260 feet downstream of the confluence with American Wash	Approximately 3,000 ft upstream of Phantom Hill Road	HEC-HMS 3.5	HEC-RAS 4.1.0	01/2017	AE w/ Floodway	
Mint Wash	At N Williamson Valley Road	Approximately 2 miles below Jerome Canyon Drive	HEC-HMS 3.5	HEC-RAS 4.1.0	04/2014	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Mint Wash (Lower)	Confluence with Williamson Valley Wash	At Williamson Valley Road	HEC-HMS 3.5	HEC-RAS 4.1.0	04/2014	A	
Mint Wash (Middle)	Approximately 2 miles below North Jerome Canyon Drive	Approximately 0.62 miles below Phantom Hill Road	HEC-HMS 3.5	HEC-RAS 4.1.0	04/2014	A	
Mint Wash (Upper)	Approximately 0.56 miles above Phantom Hill Road	Approximately 1.95 miles above Phantom Hill Road	HEC-HMS 3.5	HEC-RAS 4.1.0	04/2014	A	
Model Creek	Approximately 1.6 miles below West Hays Ranch Road	Approximately 750 feet above Model Creek Road	HEC-HMS 3.5	HEC-RAS 4.1.0	04/2014	AE w/ Floodway	
Model Creek	Confluence with Miller Creek	Approximately 3,500 feet upstream of U.S. Route 89	*	*	06/1995	*	
Mud Springs Wash	Confluence with Agua Fria River	0.66 miles above Mud Springs Road	Regression Equations - USGS	HEC-RAS 4.1.0	12/2012	AE w/ Floodway	
Mud Tank Wash	Confluence with Williamson Valley Wash	Approximately 2 miles upstream of confluence with Indian Spring Creek	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Nolan Tank	Confluence with Loy Canyon Creek	Approximately 1,400 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
North Fork Date Creek	Approximately 800 feet upstream of confluence with Date Creek	Approximately 2 miles upstream of railroad tracks and Date Creek Road	Regional Regression Equations - Region 12	HEC-RAS 4.1.0	04/2014	A	
North Fork Granite Creek	Confluence with Granite Creek	800 feet above Jovian Drive	*	*	*	A, AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
North Fork Mescal Gulch	Confluence with Mescal Wash	Approximately 0.83 miles above Mescal Wash	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
North Fork Miller Creek	Confluence with Miller Creek at Prescott	0.2 miles above Gail Gardener Way	*	*	*	AE w/ Floodway	
North Tributary to South Branch Agua Fria River	Confluence with South Branch Agua Fria River	800 feet above Glassford Hill Road	HEC-HMS	HEC-RAS 3.1.1 and up	04/02/2016	AE	LOMR 20-09-0224P was incorporated for this reach
Oak Creek	Confluence with Verde River	Intersection with N State Route 89A	Gage Analysis	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Oak Creek Tributary 1	Confluence with Oak Creek	Approximately 0.37 miles above Oak Creek	Regression Equations - USGS	HEC-RAS 4.1.0	*	A, AE	
Oak Creek Tributary 2	Confluence with Oak Creek	Approximately 0.18 miles above Oak Creek	Regression Equations - USGS	HEC-RAS 4.1.0	*	A, AE	
Oak Creek Tributary 3	Confluence with Oak Creek	Approximately 0.21 miles above Oak Creek	Regression Equations - USGS	HEC-RAS 4.1.0	*	A, AE	
Oak Creek Tributary 4	Confluence with Oak Creek	Approximately 0.3 miles above Oak Creek	Regression Equations - USGS	HEC-RAS 4.1.0	*	A, AE	
Oak Wash	Confluence with Verde River	Approximately 0.41 miles above Verde River	Regression Equations - USGS	HEC-RAS 4.1.0	*	A, AE	
Odegaard Tank Wash	Confluence with Hassayampa River	Approximately 200 feet west of Section 34/Section 35 boundary line	Regression Equations	FLO-2D	04/2017	A	
Odegaard Wash	Confluence with Hassayampa River	Approximately 700 feet west of Section 2/Section 3 boundary line	Regression Equations	FLO-2D	04/2017	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Old 79 Tank Creek	Confluence with Oak Creek	Approximately 1,300 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Outcrop Creek	Confluence with Mint Wash	Approximately 0.2 miles above confluence with Mint Wash	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Pack Trail Creek	Confluence with Spring Creek	Approximately 2,200 feet south of Section 22/Section 27 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Page Flume Wash	Confluence with Oak Creek	Approximately 410 feet upstream from N Page Springs Rd	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Page Lookout Wash	Confluence with Page Flume Wash	Approximately 1,025 feet upstream from N Page Springs Rd	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Park Creek	Confluence with Arrastre Creek	Approximately 600 feet downstream of Section 9/Section 10 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Partridge Creek	Confluence with Big Chino Wash	At Yavapai County boundary	Regression Equations	HEC-RAS	04/2017	A	
Pecks Lake	Not Applicable	Not Applicable	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Pecks Lake Tributary	Confluence with Verde River	Confluence with Pecks Lake	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Pineveta Wash	Confluence with Tom Lockett Draw Creek	Approximately 2,100 feet upstream of Section 17/Section 20 boundary line	Regression Equations	HEC-RAS	04/2017	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Pipe Creek	Confluence with Verde River	Western Drive	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Poplar Wash	Approximately 2 miles east of intersection of Sorrell Ranch Road & State Route 89	Approximately 3 miles northwest of intersection of Sorrell Ranch Road & State Route 89	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Powder House Wash Tributary 1	County Boundary	800 feet above County Boundary	*	*	*	AE, AE w/ Floodway	Floodway located entirely within Maricopa County
Powder House Wash Tributary 2	County Boundary	210 feet above County Boundary	*	*	*	AE, AE w/ Floodway	Floodway located entirely within Maricopa County
Prickly Pear Wash	Confluence with Red Rock Wash	0.46 miles above Oasis Road	*	*	*	AE, AE w/ Floodway	
Railroad Wash	Confluence with Cottonwood Ditch	US Highway 89A	*	*	*	A, AE w/ Floodway	
Ramsgate Wash	Confluence with Skull Valley Wash	0.58 miles above Atchison, Topeka and Santa Fe Railroad	*	*	*	A, AO, AE w/ Floodway	
Red Boynton Wash	Confluence with Dry Creek	Approximately 270 feet downstream from Boynton Pass Rd	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Red House Mountain Creek	Confluence with Oak Creek	Approximately 1,150 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Red Rock Tank Wash	Confluence with Tributary 2 Mexican Tank Wash	Approximately 1,800 feet north of Section 30/ Section 31 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Red Rock Wash	Confluence with Agua Fria River	133 feet above Cactus Wren Drive	*	*	*	A, AE w/ Floodway	
Rio Mesa Wash	0.23 miles below East Rodeo Drive	420 feet above Deserama Circle	*	*	*	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Ritter Creek	Approximately 700 ft east of intersection of Oklahoma Star & S. Date Creek Road	Approximately 1 mile east of intersection of Oklahoma Star Rd & S. Date Creek Road	Regional Regression Equations - Region 12	FLO-2D	04/2014	A	
Roadway Spring Wash	Confluence with Spring Creek	Approximately 1,400 feet upstream from Dry Creek Scenic Road	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Robert Wash	Confluence with Green Wash	1,230 feet above confluence with Telephone Tank Wash Breakout	*	*	*	AE w/ Floodway	
Russell Wash	Confluence with Wet Beaver Creek	1.11 miles above Montezuma Avenue	*	*	*	AE w/ Floodway	
Russell Wash Left Split	Confluence with Russell Wash	Divergence from Russell Wash	*	*	*	AE w/ Floodway	
Santa Cruz Wash	Confluence with Big Chino Wash	1 mile above Road 2 South	*	*	*	AE w/ Floodway	
Schuerman Caballero Creek	Confluence with Oak Creek	Approximately 715 feet upstream from Red Rock Loop Rd	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Scheurman Mountain Tank Creek	Confluence with Oak Creek	Approximately 1,515 feet upstream from Red Rock Loop Rd	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Secret Canyon Creek	Confluence with Dry Creek	Approximately 6,000 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Secret Loy Creek	Confluence with Loy Canyon Creek	Approximately 0.3 miles from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Secret Mountain Canyon Creek	Confluence with Loy Canyon Creek	Approximately 0.25 miles from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Seventeen Summit Wash	Confluence with Oak Creek	Approximately 1,200 feet upstream from S Sexton Ranch Rd	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Seventeen Tank	Confluence with Oak Creek	Approximately 1,050 feet upstream from Thede Ln	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Sexton Ranch Wash	Confluence with Oak Creek	S Sexton Ranch Rd	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Sheepshead Canyon Creek	Confluence with Oak Creek	Approximately 1,275 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Sickles Wash	Confluence with Miller Creek	Approximately 0.6 miles above confluence with Miller Creek	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Silver Spring Gulch	Confluence with Verde River	2.08 miles above South Sixth Street	Regression Equations - USGS	HEC-RAS 4.1.0 and FLO-2D	*	A, AE w/ Floodway	
Skull Valley Wash	Confluence with Kirkland Creek	Skull Valley - Kirkland Road	*	*	*	A, AE w/ Floodway	
Skull Valley Wash	Skull Valley - Kirkland Road	Approximately 2 miles upstream of W Cottonwood Road	Regression Equations	HEC-RAS	04/2017	A	
Small Turkey Creek	Confluence with Oak Creek	Cross Creek Circle	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Soldier Pass Lookout Wash	Confluence with Dry Creek	Approximately 90 feet downstream from Vultee Arch Rd	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Soldier Pass Wash	Confluence with Dry Creek	Confluence with Lost Wilson Creek	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	AE w/ Floodway	
Soldier Pass Wash	Confluence with Lost Wilson Creek	Approximately 900 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	05/30/2018	A	
Sols Wash	County Boundary	0.3 miles above Atchison, Topeka and Santa Fe Railroad Bridge	*	*	*	A, AE w/ Floodway	
South Branch Agua Fria River	Confluence with Agua Fria River	0.22 miles above Glassford Hill Road	HEC-HMS	HEC-RAS 3.1.1 and up	04/02/2016	A, AE	LOMR 20-09-0224P was incorporated for this reach
South Branch Oak Wash	Confluence with Oak Wash	130 feet above Glenbar Drive	*	*	*	AE w/ Floodway	
South Rocky Boy Wash	Confluence with Model Creek	0.94 miles above Aggie Hodge Road	*	*	08/1990	A, AE w/ Floodway	
Spring Creek	Confluence with Oak Creek	1.1 miles upstream from Bill Gray Road	Regression Equations - USGS	HEC-RAS 4.1.0	5/30/2018	A, AE w/ Floodway	
Spring Creek	Confluence with Cottonwood Creek	Approximately 2,400 feet east of Section 27/Section 28 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Squaw Creek	Confluence with Agua Fria River	1.2 miles above confluence with Agua Fria River	Regression Equations - USGS	HEC-RAS 4.1.0	12/2012	A, AE w/ Floodway	
Stingray Wash	Confluence with Oak Creek	Approximately 770 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	5/30/2018	AE w/ Floodway	
Stone Way Wash	Confluence with Miller Creek	Approximately 1,300 feet above the confluence with Miller Creek	HEC-HMS 3.5	HEC-RAS 4.1.0	04/2014	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Storage Bins Wash	Approximately 1,300 feet below the intersection of NF-18 and N Rock House Road	Approximately 2,050 feet above the intersection of NF-18 and N Rock House Road	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	01/2017	A	New modeling was reviewed and SFHA was tied into the Big Chino Wash SFHA using provided topography
Strickland Wash (North)	Approximately 2 miles northwest of intersection of Middle Place Rd and N. Williams Valley Rd.	Approximately 0.5 miles west of intersection of W. Fair Oaks Rd and D Lazy S Farm Rd.	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Strickland Wash (South)	Approximately 1 mile northwest of intersection of N. Balancing Rock Trail and N. Boulder Pass	Approximately 0.5 miles west of intersection of N. Boulder/Calle Diamante and Forest Service Road 9400H	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Sugarloaf Ruins Creek	Confluence with Oak Creek	Approximately 1,000 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	5/30/2018	A	
Telephone Tank Wash	Confluence with Green Wash	770 feet above St. Louis Street	Regression Equations - USGS	HEC-RAS 4.1.0	*	AE w/ Floodway	
Telephone Tank Wash Breakout	Confluence with Green Wash	Divergence from Telephone Tank Wash	Regression Equations - USGS	HEC-RAS 4.1.0	*	AE w/ Floodway	
Texas Gulch Main Stream	Confluence with Agua Fria River	0.19 miles above Wind River Drive	*	*	*	AE w/ Floodway AO	
Texas Gulch West Branch	Confluence with Texas Gulf Main Stream	0.33 miles above Grant Drive	*	*	*	AE w/ Floodway AO	
Timon Wash	Confluence with Big Chino Wash	0.63 miles above Unnamed Road	*	*	*	A, AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tiny Creek	Confluence with Oak Creek	Approximately 1,515 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	5/30/2018	A	
Tom Lockett Draw Creek	Confluence with Partridge Creek	Approximately 2,400 feet upstream of Madison Road	Regression Equations	HEC-RAS	04/2017	A	
Triangle Tank Wash	Confluence with Spring Creek	Approximately 2,400 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	5/30/2018	A	
Trib 1 Copper Basin Wash	Confluence with Copper Basin Wash	Approximately 8,300 feet downstream of Prescott National Forest Boundary	Regression Equations	HEC-RAS and FLO-2D	04/2017	A	
Trib 1 Eight Mile Creek	Confluence with Eight Mile Creek	Approximately 1,800 feet upstream of Lone Ranch Road	Regression Equations	HEC-RAS	04/2017	A	
Trib 1 Finch Wash	Confluence with Finch Wash	Approximately 2,400 feet upstream of Iron Springs Road	Regression Equations	FLO-2D	04/2017	A	
Trib 1 Homestead Windmill Wash	Confluence with Homestead Windmill Wash	Existing Zone A boundary, 200 feet north of T12-1/2 Section line	Regression Equations	HEC-RAS	04/2017	A	
Trib 1 Mexican Tank Wash	Confluence with Mexican Tank Wash	Approximately 3,600 feet south of Section 12/ Section 13 boundary line	Regression Equations	FLO-2D	04/2017	A	
Trib 1 Pineveta Wash	Confluence with Pineveta Wash	Approximately 2,100 feet upstream of US Interstate I-40	Regression Equations	HEC-RAS	04/2017	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Trib 1 Tom Lockett Draw Creek	Confluence with Tom Lockett Draw Creek	Approximately 400 feet north of Section 4/ Section 9 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Trib 2 Copper Basin Wash	Confluence with Copper Basin Wash	Existing Zone A boundary	Regression Equations	FLO-2D	04/2017	A	
Trib 3 Copper Basin Wash	Confluence with Trib 2 Copper Basin Wash	Approximately 500 feet upstream of confluence with Trib 2 Copper Basin Wash	Regression Equations	FLO-2D	04/2017	A	
Trib 4 Copper Basin Wash	Confluence with Copper Basin Wash	Approximately 1,500 feet upstream of confluence with Copper Basin Wash	Regression Equations	HEC-RAS	04/2017	A	
Trib 5 Copper Basin Wash	Confluence with Copper Basin Wash	Approximately 1,200 feet upstream of Iron Springs Road	Regression Equations	HEC-RAS	04/2017	A	
Trib 6 Partridge Creek	Confluence with Partridge Creek	Approximately 400 feet south of Section 6/ Section 7 boundary line	Regression Equations	FLO-2D	04/2017	A	
Trib 7 Partridge Creek	Confluence with Trib 6 Partridge Creek	Approximately 200 feet south of Section 6/Section 7 boundary line	Regression Equations	FLO-2D	04/2017	A	
Turkey Creek	Confluence with Oak Creek	Approximately 1,105 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	5/30/2018	A	
Unnamed Creek A	Confluence with Verde River	0.6 miles above Dead Horse Ranch Road	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Unnamed Creek B	Confluence with Verde River	0.51 miles above Dead Horse Ranch Road	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Unnamed Creek C	Confluence with Verde River	0.21 miles above Hayfield Draw Drive	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Unnamed Creek D	Confluence with Verde River	Old State Route 260 Road	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Unnamed Creek F	Confluence with Verde River	Approximately 190 feet above Salt Mine Road	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Unnamed Tributary to Date Creek	Confluence with Date Creek	1 mile north of intersection of Stetson Ranch Rd & O X Ranch Rd	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Unnamed Tributary to Kirkland Creek	Confluence with Kirkland Creek	Approximately 0.5 miles west of intersection of Founders Trail & S. Fipsila Circle	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Unnamed Tributary to Long Canyon Creek	Confluence with Long Canyon Creek	Approximately 1 mile east of intersection of W. Wildhorse Run and N. Tonto Rd.	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Unnamed Tributary to Mud Tank Wash	Confluence with Mud Tank Wash	2 miles southwest of intersection of Forest Service Road 664 & N. Williamson Valley Rd.	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
Unnamed Tributary to Strickland Wash	Confluence with Strickland Wash	Approximately 1.5 miles west of intersection of Balancing Rock Trail and N. Boulder Pass	Regional Regression Equations – Region 12	FLO-2D	04/2014	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Verde River	Confluence with Salt River	Approximately 4.4 miles above Bitter Creek	HEC-SSP	HEC-RAS 4.1.0	*	A, AE w/ Floodway	
Viewpoint Wash	Confluence with Agua Fria River	Approximately 780 feet upstream of Long Look Drive	HEC-HMS	HEC-RAS 3.1.1 and up	04/02/2016	AE	LOMR 15-09-1138P was incorporated for this reach as a part of the Viewpoint Floodplain Stormwater Mitigation Study
Virginia Street Wash	Confluence with Granite Creek	0.36 miles above S Virginia Street	*	*	*	AE w/ Floodway	
W Diamond Wash (LOCAL FLOODPLAIN ONLY)	Confluence with Skull Valley Wash	Approximately 200 feet upstream of Valley Conn Rd.	Regression Equations	HEC RAS	04/2017	A	
Walnut Grove Cemetery Wash	Confluence with Hassayampa River	Approximately 1,000 feet upstream of Section 26/Section 27 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Walnut Grove Wash	Confluence with Carter Ranch Wash	Approximately 1,100 feet upstream of Walnut Grove Rd.	Regression Equations	HEC-RAS	04/2017	A	
Walnut Grove Wash 2	Confluence with Hassayampa River	Approximately 1,200 feet upstream of Wagner Road	Regression Equations	FLO-2D	04/2017	A	
Wash P	County Boundary	0.11 miles above County Boundary	*	*	*	AE w/ Floodway	
Waterman Creek	Confluence with South Fork Santa Maria River	0.13 miles above Date Creek Road	Regional Regression Equations – Region 12	HEC-RAS 4.1.0	04/2014	A	
West Clear Creek	Confluence with Verde River	400 feet above State Highway 260	*	*	*	A, AE w/ Floodway	
Wet Beaver Creek	Confluence with Beaver Creek	1.25 miles above Montezuma Lake Avenue	*	*	*	A, AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Wet Beaver Creek Left Split	Confluence with Wet Beaver Creek	Divergence from Wet Beaver Creek	*	*	*	AE w/ Floodway	
Wheeler Tank Wash	Confluence with Mexican Tank Wash	Approximately 1,000 feet upstream of Section 22, Section 27 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Whisper Creek	Confluence with Mint Wash	Approximately 0.3 miles above confluence with Mint Wash	Regional Regression Equations - Region 12	HEC-RAS 4.1.0	04/2014	A	
White Hills Canyon Wash	Confluence with Oak Creek	Approximately 1,980 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	5/30/2018	A	
White Hills Wash	Confluence with Oak Creek	Approximately 1,900 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	5/30/2018	A	
Whitehead Ranch Creek	Confluence with Mescal Creek	Approximately 1,100 feet upstream of Mescal Creek	Regression Equations	HEC-RAS	04/2017	A	
Whitehead Wash	Confluence with Hassayampa River	Approximately 400 feet downstream of Section 34/Section 35 boundary line	Regression Equations	FLO-2D	04/2017	A	
Wikiup Creek	Confluence with West Clear Creek	Approximately 1.5 miles above Ash Lane	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Wilbur Canyon Creek	Confluence with Verde River	State Highway 260	Regression Equations - USGS	HEC-RAS 4.1.0	*	A	
Williamson Valley Wash	Approximately 2 miles west of Santa Fe & Big Spring Ranch	Approximately 3 miles west of W. 7 V Ranch Rd. and N. Fair Oaks Rd.	Regional Regression Equations - Region 12	HEC-RAS 4.1.0	04/2014	A	

Table 13: Summary of Hydrologic and Hydraulic Analyses (continued)

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Williamson Valley Wash	Confluence with Big Chino Wash	Approximately 2 miles west of Santa Fe & Big Spring Ranch	*	*	*	AE w/ Floodway	
Williamson Valley Wash North Split	Burlington Northern Santa Fe Railway	Williamson Valley Wash	*	*	*	AE w/ Floodway	
Willis Craft Tank Wash	Confluence with Tom Lockett Draw Creek	Approximately 200 feet east of Section 21/ Section 22 boundary line	Regression Equations	HEC-RAS	04/2017	A	
Willow Creek	Confluence with Willow Creek Reservoir	0.6 miles above Pine Lakes Drive	HEC-1	HEC-RAS	*	AE w/ Floodway	
Willow Creek Below Willow Lake	Confluence with Granite Creek	Willow Lake Outlet	HEC-1	HEC-RAS	*	AE w/ Floodway	
Willow Creek Reservoir Tributary	Willow Lake Road	0.34 miles above Bloomingdale Drive	HEC-1	HEC-RAS	*	AE w/ Floodway	
Willow Creek Tributary	Confluence with Willow Creek	950 feet above Country Park Drive	HEC-1	HEC-RAS	*	A, AE w/ Floodway	
Windmill Ranch Wash	Confluence with Spring Creek	Approximately 2,500 feet upstream from N Sycamore Pass Rd	Regression Equations - USGS	HEC-RAS 4.1.0	5/30/2018	AE w/ Floodway	
Windmill Spring Wash	Confluence with Windmill Ranch Wash	Approximately 680 feet upstream from confluence	Regression Equations - USGS	HEC-RAS 4.1.0	5/30/2018	A	
Zalesky Wash Main Stem	Confluence with Verde Wash	0.44 miles above Zalesky Road	*	*	*	AE w/ Floodway	
8 Various Tributaries	Varies by stream	Varies by stream	Regression Equations	HEC-RAS and FLO-2D	04/2017	A	
15 small various Tributaries	Varies by stream	Varies by stream	Regression Equations	HEC-RAS and FLO-2D	04/2017	A	

Table 14: Roughness Coefficients

Flooding Source	Channel “n”	Overbank “n”
Agua Fria River (At Black Canyon City)	0.025-0.055	0.075-0.150
Agua Fria River (At Dewey-Humboldt)	0.020-0.045	0.040-0.065
Agua Fria River (At Prescott Valley)	0.020-0.030	0.040-0.050
American Wash	0.018-0.066	0.018-0.07
Antelope Peak Wash	0.035	0.035
Arizonard Wash	0.037	0.044
Arrastre Creek	0.045	0.051
Ash Fork Draw Wash	0.030-0.035	0.055-0.0100
Ash Fork Draw Wash	0.037	0.05
Aspen Creek	0.055	0.095
Backwoods Creek	0.035	0.035
Beaver Creek (At Camp Verde)	0.050-0.060	0.085-0.100
Beaver Creek (At Lake Montezuma)	0.045-0.085	0.040-0.125
Big Bug Creek	0.035-0.060	0.090-0.150
Big Chino Creek	0.041	0.043
Big Chino Valley East	0.035-0.040	0.035-0.040
Big Chino Valley West	0.035	0.035-0.040
Big Chino Wash	0.025-0.030	0.030-0.040
Bitter Creek	0.040	0.050
Bitter Creek - South Fork	0.040	0.050
Black Canyon Creek	0.025-0.055	0.065-0.150
Blind Indian Creek	0.065	0.065
Bottleneck Wash	0.020-0.090	0.025-0.090
Boynton Canyon Creek	0.018-0.100	0.018-0.100
Buckhorn Creek	0.035	0.035
Cameron Spring Creek	0.041	0.050
Campbells Flat Spring Creek	0.041	0.050
Capitol Chinup Creek	0.018-0.100	0.018-0.100
Carroll Canyon Creek	0.018-0.100	0.018-0.100
Carroll Foothills Creek	0.018-0.100	0.018-0.100
Carroll Montana Wash	0.018-0.100	0.018-0.100

Table 14: Roughness Coefficients (continued)

Flooding Source	Channel “n”	Overbank “n”
Carroll Raquel Wash	0.018-0.100	0.018-0.100
Carter Ranch Wash	0.037	0.046
Carter Wash	0.065	0.065
Cherry Creek	0.040	0.050
Cherry Creek	0.045	0.051
Cherry Creek Overflow	0.040	0.050
Chimney Rock Creek	0.018-0.100	0.018-0.100
Chino Valley Stream	0.030-0.040	0.035-0.045
Chino Valley Stream East	0.032	0.032
Chino Valley Stream (Tributary)	0.030-0.045	0.035-0.050
Cliffrose Wash	0.037	0.046
Clipper Wash	0.020-0.035	0.050-0.075
Coffee Creek	0.018-0.100	0.018-0.100
Cooper Wash	0.033	0.033
Copper Basin Wash	0.041	0.046
Cornville Plateau Wash	0.018-0.100	0.018-0.100
Cottonwood Creek	0.035	0.055
Cottonwood Creek	0.041	0.046
Dad Jones Tank 2 Wash	0.018-0.100	0.018-0.100
Dancing Apache Wash	0.018-0.100	0.018-0.100
Dead Mule Canyon Wash	0.030	0.060
Deception Wash	0.040	0.050
Del Monte Wash	0.048-0.065	0.018-0.096
Devils Bridge Creek	0.018-0.100	0.018-0.100
Diamond 2 Ranch Wash	0.041	0.050
Dry Creek	0.018-0.100	0.018-0.100
Dry Sterling Creek	0.018-0.100	0.018-0.100
Dunlap Creek	0.030	0.035
Earls Tank	0.018-0.100	0.018-0.100
Eastwood Creek	0.035-0.07	0.05-0.07
Eight Mile Creek	0.041	0.043
Fay Boynton Creek	0.018-0.100	0.018-0.100
Fay Canyon Creek	0.018-0.100	0.018-0.100
Fay Doe Creek	0.018-0.100	0.018-0.100
Finch Wash	0.041	0.050

Table 14: Roughness Coefficients (continued)

Flooding Source	Channel “n”	Overbank “n”
French Gulch	0.041	0.050
Golf Course Creek	0.018-0.100	0.018-0.100
Grampa Wash	0.040	0.050
Granite Creek	0.035-0.180	0.035-0.180
Grasshopper Flat Tank Wash	0.018-0.100	0.018-0.100
Grasshopper Flattop Wash	0.018-0.100	0.018-0.100
Harper Canyon Wash	0.018-0.066	0.018-0.07
Hart Well Creek	0.018-0.100	0.018-0.100
Hart Well Lincoln Creek	0.018-0.100	0.018-0.100
Hart Well Taylor Creek	0.018-0.100	0.018-0.100
Hassayampa River	0.041	0.050
Hassayampa River	0.025-0.060	0.035-0.070
Hidden Echo Creek	0.018-0.100	0.018-0.100
Hidden Valley Ranch Creek	0.018-0.100	0.018-0.100
Hitt Wash	0.032-0.043	0.043
Hodgkins Gulch	0.041	0.050
Holy Cross Wash	0.018-0.100	0.018-0.100
Homestead Windmill Wash	0.041	0.050
HuntleyTank Creek	0.018-0.100	0.018-0.100
Indian Springs Wash	0.039	0.043
Jacks Canyon	0.035-0.070	0.045-0.125
Jerome Canyon Wash	0.035	0.035
Jumbo Tank Wash	0.041	0.050
Juniper Spring Creek	0.035	0.035
Kirkland Creek (North)	0.039	0.044
Kirkland Creek (South)	0.033	0.038
Lakeshore Drive Wash	0.300-0.100	0.500-0.300
Lincoln Canyon Creek	0.018-0.100	0.018-0.100
Little Carroll Canyon Wash	*	*
Little Harper Canyon Wash	0.035	0.035
Little Sickles Wash	0.035	0.035
Little White Hills Wash	0.018-0.100	0.018-0.100
Long Canyon Creek	0.018-0.100	0.018-0.100
Long Dry Creek	0.018-0.100	0.018-0.100
Long OK Creek	0.018-0.100	0.018-0.100

Table 14: Roughness Coefficients (continued)

Flooding Source	Channel “n”	Overbank “n”
Loos Drive Wash	0.300-0.100	0.500-0.300
Lost Wilson Creek	0.018-0.100	0.018-0.100
Loy Canyon Creek	0.018-0.100	0.018-0.100
Lynx Creek	0.035-0.065	0.075-0.150
Manzanita Creek	0.050	0.090-0.125
Margs Draw Wash	0.018-0.100	0.018-0.100
Marshall Tank Wash	0.018-0.100	0.018-0.100
Martinez Wash	0.025-0.060	0.090
Maughan Creek	0.035	0.035
McAllister Spring Creek	0.065	0.065
McCracken Wash	0.065	0.065
Mclntyre Canyon Wash	0.041	0.050
Meadowlark Wash	0.035	0.035
Memorial Knolls Wash	0.018-0.100	0.018-0.100
Memorial Park Wash	0.018-0.100	0.018-0.100
Mescal Creek	0.041	0.050
Mescal Pass Wash	0.018-0.100	0.018-0.100
Mescal Wash	0.041	0.050
Mexican Tank Wash	0.041	0.050
Milk Creek	0.041	0.050
Miller Creek	0.02-0.07	0.018-0.07
Minnehaha Creek	0.041	0.050
Minoto Ranch Wash	0.041	0.050
Mint Wash	0.018-0.07	0.018-0.07
Model Creek	0.028-0.066	0.028-0.066
Morgan Wash	0.018-0.100	0.018-0.100
Mud Tank Wash	0.035-0.039	0.044
Munds Canyon Creek	0.018-0.100	0.018-0.100
Nolan Tank	0.018-0.100	0.018-0.100
North Fork Date Creek	0.039	0.044
North Fork Mescal Gulch	0.040	0.050
Oak Creek	0.018-0.100	0.018-0.100

Table 14: Roughness Coefficients (continued)

Flooding Source	Channel “n”	Overbank “n”
Oak Creek Tributary 1	0.040	0.050
Oak Creek Tributary 2	0.040	0.050
Oak Creek Tributary 3	0.040	0.050
Oak Creek Tributary 4	0.040	0.050
Oak Wash	0.040	0.050
Odegaard Tank Wash	0.065	0.065
Odegaard Wash	0.065	0.065
Old 79 Tank Creek	0.018-0.100	0.018-0.100
Outcrop Creek	0.035	0.035
Pack Trail Creek	0.041	0.050
Packs Lake	0.040	0.050
Page Flume Wash	0.018-0.100	0.018-0.100
Page Lookout Wash	0.018-0.100	0.018-0.100
Painted Memorial Wash	0.018-0.100	0.018-0.100
Park Creek	0.041	0.050
Partridge Creek	0.043	0.051
Pecks Lake Tributary	0.040	0.050
Pineveta Wash	0.041	0.045
Pipe Creek	0.040	0.050
Poplar Wash	0.039	0.044
Railroad Wash	0.013-0.065	0.045-0.065
Ramsgate Wash	0.035	0.040-0.060
Red Boynton Wash	0.018-0.100	0.018-0.100
Red House Mountain Creek	0.018-0.100	0.018-0.100
Red Rock Tank Wash	0.041	0.050
Roadway Spring Wash	0.018-0.100	0.018-0.100
Russell Wash	0.035-0.045	0.045-0.070

Table 14: Roughness Coefficients (continued)

Flooding Source	Channel “n”	Overbank “n”
San Miguel Wash	0.018-0.100	0.018-0.100
Santa Cruz Wash	0.040	0.045
Scheurman Mountain Tank Creek	0.018-0.100	0.018-0.100
School Soldier Wash	0.018-0.100	0.018-0.100
Schuerman Caballero Creek	0.018-0.100	0.018-0.100
Secret Canyon Creek	0.018-0.100	0.018-0.100
Secret Loy Creek	0.018-0.100	0.018-0.100
Secret Mountain Canyon Creek	0.018-0.100	0.018-0.100
Seventeen Summit Wash	0.018-0.100	0.018-0.100
Seventeen Tank	0.018-0.100	0.018-0.100
Sexton Ranch Wash	0.018-0.100	0.018-0.100
Sheepshead Canyon Creek	0.018-0.100	0.018-0.100
Sickles Wash	0.035	0.035
Silver Springs Gulch	0.044-0.065	0.061-0.096
Skull Valley Wash	0.015-0.040	0.060-0.065
Skull Valley Wash	0.041	0.050
Small Turkey Creek	0.018-0.100	0.018-0.100
Soldier Pass Lookout Wash	0.018-0.100	0.018-0.100
Soldier Pass Wash	0.018-0.100	0.018-0.100
Soldier Wash	0.018-0.100	0.018-0.100
Sols Wash	0.018-0.050	0.055-0.090
South Rocky Boy Wash	0.025-0.043	0.025-0.061
Spring Creek	0.018-0.100	0.018-0.100
Sterling Canyon Creek	0.018-0.100	0.018-0.100
Stingray Wash	0.018-0.100	0.018-0.100
Stone Way Wash	0.018-0.070	0.018-0.070
Strickland Wash (South)	0.035	0.044
Strickland Wash (North)	0.030	0.037
Substation Soldier Wash	0.018-0.100	0.018-0.100
Sugarloaf Ruins Creek	0.018-0.100	0.018-0.100
Table Top Airport Wash	0.018-0.100	0.018-0.100
Texas Gulch Main Stream	0.035-0.045	0.037-0.045
Texas Gulch West Branch	0.035	0.040

Table 14: Roughness Coefficients (continued)

Flooding Source	Channel “n”	Overbank “n”
Tiny Creek	0.018-0.100	0.018-0.100
Tom Lockett Draw Creek	0.043	0.046
Triangle Tank Wash	0.018-0.100	0.018-0.100
Trib1 Copper Basin Wash	0.041	0.050
Trib1 Eightmile Creek	0.037	0.043
Trib 1 Finch Wash	0.065	0.065
Trib 1 Homestead Windmill Wash	0.041	0.050
Trib 1 Mexican Tank Wash	0.065	0.065
Trib 1 Pineveta Wash	0.037	0.043
Trib 1 Tom Lockett Draw Creek	0.041	0.044
Trib 2 Copper Basin Wash	0.065	0.065
Trib 3 Copper Basin Wash	0.065	0.065
Trib 4 Copper Basin Wash	0.037	0.045
Trib 5 Copper Basin Wash	0.041	0.050
Trib 6 Partridge Creek	0.065	0.065
Trib 7 Partridge Creek	0.065	0.065
Turkey Creek	0.018-0.100	0.018-0.100
Unnamed Creek A	0.040	0.050
Unnamed Creek B	0.040	0.050
Unnamed Creek C	0.040	0.050
Unnamed Creek D	0.040	0.050
Unnamed Creek F	0.040	0.050
Unnamed Tributary to Date Creek	0.039	0.048
Unnamed Tributary to Kirkland Creek	0.039	0.044
Unnamed Tributary to Long Canyon Creek	0.037	0.043
Unnamed Tributary to Mud Tank Wash	0.040	0.046
Unnamed Tributary to Strickland Wash	0.039	0.044
Walnut Grove Cemetery Wash	0.041	0.050
Walnut Grove Wash	0.037	0.046
Walnut Grove Wash 2	0.065	0.065
Waterman Creek	0.039	0.044
West Clear Creek	0.035-0.050	0.050-0.120

Table 14: Roughness Coefficients (continued)

Flooding Source	Channel “n”	Overbank “n”
West Fork Oak Creek	0.018-0.100	0.018-0.100
Wet Beaver Creek	0.035-0.060	0.060-0.125
Wheeler Tank Wash	0.041	0.050
Whisper Creek	0.035	0.035
White Hills Canyon Wash	0.018-0.100	0.018-0.100
White Hills Wash	0.018-0.100	0.018-0.100
Whitehead Ranch Creek	0.041	0.050
Whitehead Wash	0.065	0.065
Wikiup Creek	0.040	0.050
Wilber Canyon Creek	0.040	0.050
Williamson Valley Wash	0.035	0.048
Willis Craft Tank Wash	0.037	0.045
Willow Creek	0.040-0.120	0.012-0.120
Willow Creek Reservoir Tributary	0.035-0.100	0.012-0.100
Willow Creek Tributary	0.030-0.100	0.030-0.100
Windmill Ranch Wash	0.018-0.100	0.018-0.100
Windmill Spring Wash	0.018-0.100	0.018-0.100
Zalesky Wash Main Stem	0.028-0.045	0.063-0.140

*Data not available

5.3 Coastal Analyses

This section is not applicable to this Flood Risk Project.

Table 15: Summary of Coastal Analyses

[Not applicable to this Flood Risk Project]

5.3.1 Total Stillwater Elevations

This section is not applicable to this Flood Risk Project.

Figure 8: 1-Percent-Annual-Chance Total Stillwater Elevations for Coastal Areas

[Not applicable to this Flood Risk Project]

Table 16: Tide Gage Analysis Specifics

[Not applicable to this Flood Risk Project]

5.3.2 Waves

This section is not applicable to this Flood Risk Project.

5.3.3 Coastal Erosion

This section is not applicable to this Flood Risk Project.

5.3.4 Wave Hazard Analyses

This section is not applicable to this Flood Risk Project.

Table 17: Coastal Transect Parameters

[Not applicable to this Flood Risk Project]

Figure 9: Transect Location Map

[Not applicable to this Flood Risk Project]

5.4 Alluvial Fan Analyses

This section is not applicable to this Flood Risk Project.

Table 18: Summary of Alluvial Fan Analyses

[Not applicable to this Flood Risk Project]

Table 19: Results of Alluvial Fan Analyses

[Not applicable to this Flood Risk Project]

SECTION 6.0 – MAPPING METHODS

6.1 Vertical and Horizontal Control

All FIS Reports and FIRMs are referenced to a specific vertical datum. The vertical datum provides a starting point against which flood, ground, and structure elevations can be referenced and compared. Until recently, the standard vertical datum used for newly created or revised FIS Reports and FIRMs was the National Geodetic Vertical Datum of 1929 (NGVD29). With the completion of the North American Vertical Datum of 1988 (NAVD88), many FIS Reports and FIRMs are now prepared using NAVD88 as the referenced vertical datum.

Flood elevations shown in this FIS Report and on the FIRMs are referenced to NAVD88. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between NGVD29 and NAVD88 or other datum conversion, visit the National Geodetic Survey website at www.ngs.noaa.gov, or contact the National Geodetic Survey (NGS) at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

Temporary vertical monuments are often established during the preparation of a flood hazard analysis for the purpose of establishing local vertical control. Although these monuments are not shown on the FIRM, they may be found in the archived project documentation associated with the FIS Report and the FIRMs for this community. Interested individuals may contact FEMA to access these data.

To obtain current elevation, description, and/or location information for benchmarks in the area, please contact information services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov.

The datum conversion locations and values that were calculated for Yavapai County are provided in Table 20.

Table 20: Countywide Vertical Datum Conversion

[Not applicable to this Flood Risk Project]

A countywide conversion factor could not be generated for Yavapai County because the maximum variance from average exceeds 0.25 feet. Calculations for the vertical offsets on a stream by stream basis are depicted in Table 21.

Table 21: Stream-Based Vertical Datum Conversion

Flooding Source	Average Vertical Datum Conversion Factor (feet)
Agua Fria River (At Black Canyon City)	2.00
Agua Fria River (At Dewey – Humboldt)	2.64

Table 21: Stream-Based Vertical Datum Conversion (continued)

Flooding Source	Average Vertical Datum Conversion Factor (feet)
Agua Fria River (At Prescott Valley)	2.70
American Wash	2.96
Ash Fork Draw Wash	2.84
Aspen Creek	3.15
Beaver Creek	2.37
Big Bug Creek (Upstream Reach/Downstream Reach)*	2.46/2.23
Big Chino Wash	2.78
Big Chino Wash Irrigation Split	2.71
Big Chino Wash Overflow	2.78
Big Chino Wash Spill #1	2.78
Big Chino Wash Rt. 89 Overflow	2.78
Bitter Creek	2.53
Bitter Creek – South Fork	2.57
Black Canyon Creek	2.18
Blue Tank Wash	2.28
Boynton Canyon Creek	2.74
Butte Creek	3.13
Cherry Creek	2.59
Chino Valley Stream	2.67
Chino Valley Stream East	2.72
Chino Valley Stream (Tributary)	2.72
Chino Valley Stream (With Levee)	2.67
Clayton Canyon Wash	2.66
Clipper Wash	2.70
Copper Canyon Wash	2.52
Dead Mule Canyon Wash	2.87
Deception Wash	2.64
Del Monte Wash	2.49
Dry Beaver Creek	2.38
Dry Creek	2.75
Dry Well Wash	2.72
Granite Creek (Upstream Reach/Downstream Reach)*	3.00/2.70
Green Wash	2.70

Table 21: Stream-Based Vertical Datum Conversion (continued)

Flooding Source	Average Vertical Datum Conversion Factor (feet)
Hassayampa River (Upstream Reach/Downstream Reach)*	2.62/2.21
J.W. Draw	2.69
Jacks Canyon	2.61
Lakeshore Drive Wash	2.74
Lonesome Valley Wash	2.75
Lonesome Valley Wash Tributary Reach 100	2.76
Lonesome Valley Wash Tributary Reach 200	2.75
Lonesome Valley Wash Tributary Reach 300	2.75
Lonesome Valley Wash Tributary Reach 330	2.75
Lonesome Valley Wash Tributary Reach 350	2.75
Lonesome Valley Wash Tributary Reach 360	2.74
Lonesome Valley Wash Tributary Reach 405	2.75
Loos Drive Wash	2.77
Lower Kelly Wash	2.25
Lucky Canyon Wash	2.52
Lynx Creek	2.80
Manzanita Creek	3.12
Martinez Wash	2.30
Miller Creek (At Prescott)	3.12
Miller Creek (At Yarnell)	2.75
Mint Wash	2.86
Model Creek	2.82
North Fork Granite Creek	3.03
North Fork Miller Creek	3.04
North Tributary to South Branch Agua Fria River	2.80
Oak Creek	2.51
Oak Wash	2.58
Powder House Wash Tributary 1	2.20
Powder House Wash Tributary 2	2.21
Railroad Wash	2.46
Ramsgate Wash	2.85
Robert Wash	2.63
Russell Wash	2.43

Table 21: Stream-Based Vertical Datum Conversion (continued)

Flooding Source	Average Vertical Datum Conversion Factor (feet)
Santa Cruz Wash	2.67
Silver Spring	2.82
Silver Springs Gulch	2.54
Skull Valley Wash	2.76
Sols Wash	2.33
South Branch Agua Fria River	2.81
South Rocky Boy Wash	2.76
Spring Creek	2.63
Telephone Tank Wash	2.63
Telephone Tank Wash Breakout	2.63
Texas Gulch Main Stream	2.75
Texas Gulch West Branch	2.69
Timon Wash	2.70
Verde River	2.37
Wash P	2.18
West Clear Creek	2.54
West Fork Miller Creek	2.77
Wet Beaver Creek	2.49
Williamson Valley Wash	2.69
Williamson Valley Wash - North Split	2.67
Willow Creek	3.02
Willow Creek Reservoir Tributary	2.97
Willow Creek Tributary	2.99
Zalesky Wash Main Stem	2.43

*Conversion factors with two numbers separated by a slash indicate that different vertical datum conversion factors were necessary based on stream location

6.2 Base Map

The FIRMs and FIS Report for this project have been produced in a digital format. The flood hazard information was converted to a Geographic Information System (GIS) format that meets FEMA's FIRM database specifications and geographic information standards. This information is provided in a digital format so that it can be incorporated into a local GIS and be accessed more easily by the community. The FIRM Database includes most of the tabular information contained in the FIS Report in such a way that the data can be associated with pertinent spatial features. For example, the information contained in the Floodway Data table and Flood Profiles can be linked to the cross sections that are shown on the FIRMs. Additional information about the FIRM Database and its contents can be found in FEMA's *Guidelines and Standards for Flood Risk Analysis and Mapping*,

www.fema.gov/guidelines-and-standards-flood-risk-analysis-and-mapping.

Base map information shown on the FIRM was derived from the sources described in Table 22.

Table 22: Base Map Sources

Data Type	Data Provider	Data Date	Data Scale	Data Description
Basemap Files	Yavapai County	2003	1:12,000	Location of roads, railroads, bridges, streams, and other physical features
Digital Orthophoto	USFA-FSA-APFO Aerial Photography Field office	2010	1:24,000	Aerial Imagery
Digital Orthophoto	Yavapai County	2011	1:12,000	Created by Vertical Mapping Resources, Inc., Orthophotography
Digital Orthophoto	Digital Globe	2014	1:24,000	Orthophotography
Digital Orthophoto	USDA/NAIP	2015	1:24,000	Orthophotography
Digital Orthophoto	USDA/NAIP	2019	1:24,000	Orthophotography - Prescott Valley
HUC 8 watersheds for Yavapai County, AZ	United States Geological Survey	2018	1:6,000	Huc 8 Watershed data
Public Land Survey System (PLSS)	Department of the Interior, Bureau of Land Management	2014	1:12,000	
Roadways - Updated TIGER Roads	Federal Emergency Management Agency	2017	1:12,000	Spatial and attribute information for Primary and Secondary Roads
Town of Prescott Valley Political Boundary	Federal Emergency Management Agency	2021	1:12,000	Town of Prescott - S_POL_AR
USDA-FSA-APFO Digital Ortho Mosaic Yavapai, AZ 2017	USDA-FSA Aerial Photography Field Office	2017	1:24,000	National Agriculture Imagery Program (NAIP) Color Mosaic Image for Yavapai County, AZ

6.3 Floodplain and Floodway Delineation

The FIRM shows tints, screens, and symbols to indicate floodplains and floodways as well as the locations of selected cross sections used in the hydraulic analyses and floodway computations.