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Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

	COMMUNITY AND REVISION INFORMATION	PROJECT DESCRIPTION	BASIS OF REQUEST			
COMMUNITY	City of College Station Brazos County Texas	NO PROJECT	UPDATE			
	COMMUNITY NO.: 480083					
IDENTIFIER	Tower Point (Reissuance of LOMR 10-06-0657P)	APPROXIMATE LATITUDE AND LONGITUDE: 30.566, -96.260 SOURCE: Precision Mapping Streets DATUM: NAD 83				
	ANNOTATED MAPPING ENCLOSURES	ANNOTATED STUDY ENCLOSURES				
TYPE: FIRM* TYPE: FIRM* TYPE: FIRM*	NO.: 48041C0310 E DATE: May 16, 2012 NO.: 48041C0325 E DATE: May 16, 2012 NO.: 48041C0350 E DATE: May 16, 2012	DATE OF EFFECTIVE FLOOD INSURAN PROFILES: 42P-47P AND 56P-57P FLOODWAY DATA TABLE: 6 SUMMARY OF DISCHARGES TABL STILLWATER ELEVATION TABLE:	E: 4			

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCES AND REVISED REACHES

See Page 2 for Additional Flooding Sources

Spring Creek - from the confluence with Lick Creek to approximately 7,700 feet upstream of State Route 6

Spring Creek Tributary A - from the confluence with Spring Creek to approximately 1,580 feet upstream of the confluence with Spring Creek Spring Creek Tributary B - from the confluence with Spring Creek to approximately 3,760 feet upstream of the confluence with Spring Creek

SUMMARY OF REVISIONS

This Letter of Map Revision (LOMR) is a re-issuance of the LOMR that became effective on September 15, 2011 (Case No. 10-06-0657P), which revised the Special Flood Hazard Area (SFHA), the area subject to inundation by the base (1-percent-annual-chance) flood, regulatory floodway and BFEs* along Spring Creek, Spring Creek Tributary A, Spring Creek Tributary B, Spring Creek Tributary D, Tributary to Spring Creek Tributary B, Tributary to Spring Creek Tributary D and Unnamed Pond. This LOMR reissues the September 15, 2011, LOMR based on the new effective information and vertical datum shown on the effective FIRM and Flood Insurance Study (FIS) report for Brazos County, Texas, and Incorporated Areas, dated May 16, 2012. Therefore, this LOMR does not revise the BFEs or SFHA/floodway boundaries along the revised reaches from the September 15, 2011, LOMR. The stream names referenced in this LOMR matches the effective Summary of Discharge Table and Flood Profiles.

* BFEs - Base Flood Elevations

DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX), toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our Web site at http://www.fema.gov/business/nfip.

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Stuart W. Rooney, CFM, PMP, Program Specialist Engineering Management Branch Federal Insurance and Mitigation Administration

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION (CONTINUED)

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCES AND REVISED REACHES

Spring Creek Tributary C - from the confluence with Spring Creek to approximately 1,640 feet upstream of the confluence with Spring Creek Spring Creek Tributary D - from the confluence with Spring Creek to approximately 11,240 feet upstream of the confluence with Spring Creek

Tributary to Spring Creek Tributary B - from the confluence with Spring Creek Tributary B to approximately 600 feet upstream of the confluence with Spring Creek Tributary B

Tributary to Spring Creek Tributary D - from the confluence with Spring Creek Tributary D to approximately 2,260 feet upstream of the confluence with Spring Creek Tributary D

Unnamed Pond - Entire shoreline of the pond

SUMMARY OF REVISIONS

This Letter of Map Revision (LOMR) is a re-issuance of the LOMR that became effective on September 15, 2011 (Case No. 10-06-0657P), which revised the Special Flood Hazard Area (SFHA), the area subject to inundation by the base (1-percent-annual-chance) flood, regulatory floodway and BFEs* along Spring Creek, Spring Creek Tributary A, Spring Creek Tributary B, Spring Creek Tributary D, Tributary to Spring Creek Tributary B, Tributary to Spring Creek Tributary D and Unnamed Pond. This LOMR reissues the September 15, 2011, LOMR based on the new effective information and vertical datum shown on the effective FIRM and Flood Insurance Study (FIS) report for Brazos County, Texas, and Incorporated Areas, dated May 16, 2012. Therefore, this LOMR does not revise the BFEs or SFHA/floodway boundaries along the revised reaches from the September 15, 2011, LOMR. The stream names referenced in this LOMR matches the effective Summary of Discharge Table and Flood Profiles.

* BFEs - Base Flood Elevations

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX), toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our Web site at http://www.fema.gov/business/nfip.

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Stuart W. Rooney, CFM, PMP, Program Specialist Engineering Management Branch Federal Insurance and Mitigation Administration

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance flood discharges computed in the LOMR Case No. 10-06-0657P for your community without considering subsequent changes in watershed characteristics that could increase flood discharges. Future development of projects upstream could cause increased flood discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on flood discharges subsequent to the publication of the FIS report for your community and could, therefore, establish greater flood hazards in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX), toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our Web site at http://www.fema.gov/business/nfip.

Stuart W. Rooney, CFM, PMP, Program Specialist Engineering Management Branch Federal Insurance and Mitigation Administration

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Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Mr. Frank Pagano
Director, Mitigation Division
Federal Emergency Management Agency, Region VI
Federal Regional Center, Room 206
800 North Loop 288
Denton, TX 76209
(940) 898-5127

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panels and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX), toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our Web site at http://www.fema.gov/business/nfip.

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

PUBLIC NOTIFICATION OF REVISION

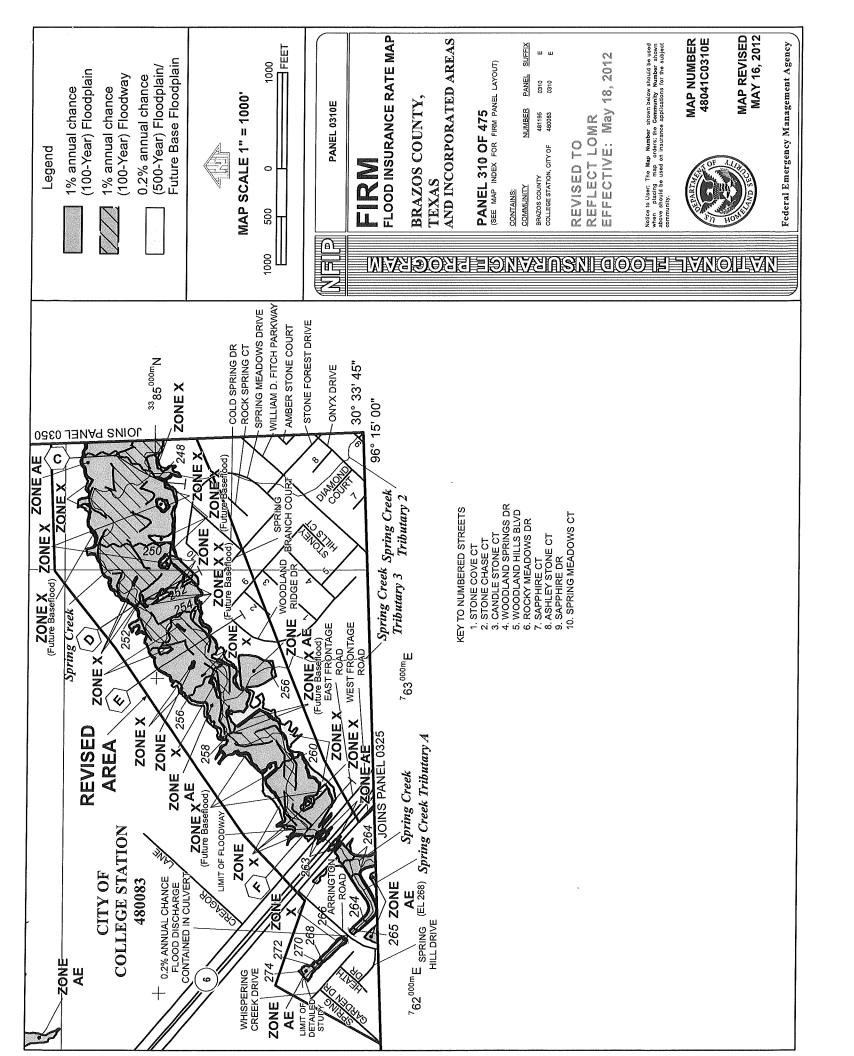
The BFEs presented in this LOMR along Spring Creek, Spring Creek Tributary A, Spring Creek Tributary B, Spring Creek Tributary C, Spring Creek Tributary D, Tributary to Spring Creek Tributary B, Tributary to Spring Creek Tributary D and Unnamed Pond became effective on September 15, 2011, followed by a 90-day appeal period for Case No. 10-06-0657P. This LOMR does not revise the BFEs shown in the September 25, 2011, LOMR, but they have been updated to be referenced to the North American Vertical Datum of 1988. Therefore, we will not republish the BFEs in the local newspaper. This revision is effective as of the date of this letter. Any requests to review or alter this determination should be made within 30 days and must be based on scientific or technical data.

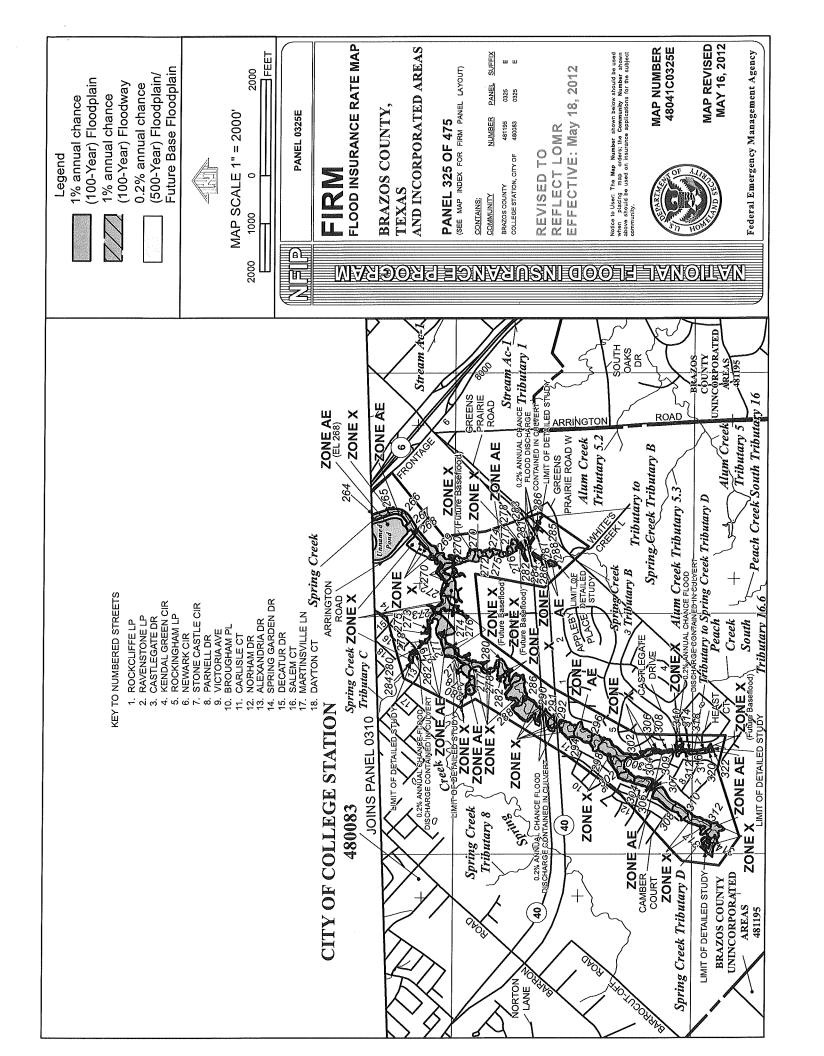
This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX), toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our Web site at http://www.fema.gov/business/nfip.

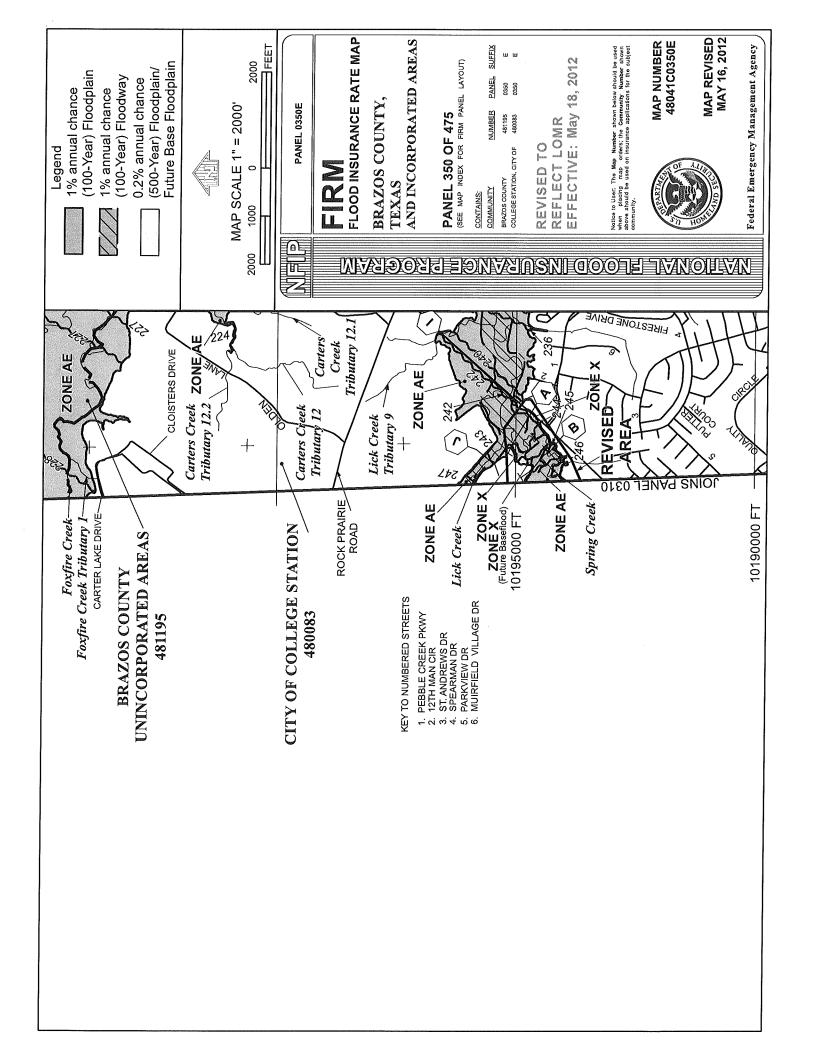
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	INCREASE (FEET)		0.3	0.4	0.5	0.8		0.0) \(\frac{1}{2}\)	0.6	9 6	0.7	0.6		*	÷ (0.0	0.3	6.0	°.°°	6:0	0.0	0.0	6.0	0.0	0.5	0.4	1.0	0.8	0.1	0.2	0.0				, marini	CREEK	275
OOD ELEVATION	WITH FLOODWAY (FEET NAVD)		263.3	268.0	270.1	279.5		243 \$	0.00	246.0	0.40.0	255.6	263.1		*	0.376		2803	282.6	285.4	288.0	289.6	292.1	296.1	300.5	303.2	306.5	310.2	314.4	318.9	319.8	322.1				V	STILL	REVISED TO REFLECT LOMR EFFECTIVE: May 18, 2012
BASE FLOOD WATER SURFACE ELEVATION	WITHOUT FLOODWAY (FEET NAVD)		263.0	267.6	269.6	278.7		243.5	245 4	243.4	2517	254.9	262.5		*	976	* + * C C U O I / C C C C C C C C C C C C C C C C C C	279.4	281.8	284.6	287.1	288.7	291.2	295.2	299.6	302.7	306.1	309.2	313.6	318.8	319.6	322.1				FLOODWAY DATA	SOUTH FORK TURKEY CREEK - SPRING CREEK -	REV RET
	REGULATORY (FEET NAVD)		263.0	267.6	269.6	278.7		243.5	245.4	248.0	251.7	254.9	262.5		*	6922	977.6	279.4	281.8	284.6	287.1	288.7	291.2	295.2	299.6	302.7	306.1	309.2	313.6	318.8	319.6	322.1					FORK TURK	_ ∞
,	MEAN VELOCITY (FEET PER SECOND)		1.6	1.7	4.1	4.2		1.6	3.2	2.0	0.9	2.8	4.0		*	2.5	2.2	4.7	2.7	4.8	3.1	4.8	2.0	3.8	2.6	1.8	5.3	2.3	5.7	3.5	3.9	٧.%	Data not computed		The second secon		BLAOS	28
FLOODWAY	SECTION AREA (SQUARE FEET)		1,274	1,232	200	491		1,765	844	1,390	457	066	678		*	3,378	3,835	1,133	3,062	1,747	2,740	1,753	3,652	1,928	1,466	2,188	725	1,639	6/9	//9	483	21.5				I AGENCY	ST	
	WIDTH (FEET)		202	81	35	66		627	241	422	80	257	110		*	650	650	120	615	260	400	295	550	300	195	772	210	C 687		671	6/ 6/	?				ANAGEMENT TV TEXAS	TED ARE	
JRCE	DISTANCE		1,194	3,063	4,2//	5,473		597 2	2,379 2	4,203 ²	6,763 2	8,087	11,080 =		*	3.68 3	3.88 3	4.01 3	4.27 3	4.45 3	4.573	4.763	5.003	5.37	5.73	6.02	6.20	6.773	7.23	7 20 3	7.493		ırkey Creek	ck Creek	nompsons Creek	FEDERAL EMERGENCY MANAGEMENT AGENCY BRAZOS COINTY TEXAS	AND INCORPORATED AREAS	
FLOODING SOURCE	CROSS SECTION	South Fork Turkey Creek	₹ 4	α (, د	Ω	Spring Creek	A	æ	O I	ا ۵	ът) Г	4	Still Creek	A-B*	၁	Ω	ш	Ľ	ტ :	Щ.	.	¬ ;	∠4 ,	٦ ;	M N	Ζ (ο Δ	٦ .	Σ	4 69)	1 Feet above confluence with Turkey Creek	Feet above confluence with Lick Creek	Miles above confluence with 1 hompsons Creek	FEDERAL EN BR	AND	
																																		γ κ	, and the same of	TABL	.E 6	

TABLE 4 – SUMMARY OF DISCHARGES (Continued)

	DRAINAGE	PEAK	PEAK DISCHARGES (cfs)							
FLOODING SOURCE AND LOCATION	AREA (sq. miles)	10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance					
SOUTH FORK OF COTTONWOOD BRANCH										
At confluence with Cottonwood Branch	2.55	1,300	1,930	2,200	2,950					
At a point approximately 3.2 miles upstream of	0.85	660	940	1,060	1,370					
confluence with Cottonwood Branch										
SOUTH FORK TURKEY CREEK										
At confluence with Turkey Creek	1.77	1,156	1,822	2,060	2,645					
SPRING CREEK										
SPRING CREEK TRIBUTARY A SPRING CREEK TRIBUTARY B SPRING CREEK TRIBUTARY C SPRING CREEK TRIBUTARY D	Pleas	se see page 14	·(a)	·						
STILL CREEK										
At confluence with Thompsons Creek	16.75	7,200	10,800	12,500	16,600					
Above confluence of Cottonwood Branch	9.72	4,850	7,100	8,100	10,500					
Above Pleasant Hill Road At Sayoga Plant REVISED DA	8.92	5,300	7,800	8,900	11,700					
At Sewage Flaint	1.12	5,100	7,400	8,400	11,000					
At FM 2818	4.33	4,400	6,400	7,300	9,700					
At Mumford Road	2.66	2,350	3,400	3,850	5,000					
At Loop 507	1.17	1,170	1,650	1,900	2,400					
STILL CREEK TRIBUTARY A	4.40	4 670	• • • •	• 440	2 000					
At confluence with Still Creek	1.19	1,650	2,200	2,440	3,000					
STREAM AC-1		1	1		1					
At confluence with Alum Creek	0.92	¹	1 1	1,750	l 1					
Approximately 1.21 miles upstream of the	0.54	1	1	1,350	1					
confluence of Alum Creek Approximately 1.81 miles upstream of the confluence of Alum Creek	0.27	1	1	850	1					

Notes:

1 Data not available / Not determined / Not computed

REVISED TO REFLECT LOMR EFFECTIVE: May 18, 2012 TABLE 4 - SUMMARY OF DISCHARGES (Continued)

PEAK DISCHARGES (cfs)

				I EAK DISC	IIAKGES (CIS)	1%	
FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq.miles)	10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance	Annual Ultimate Chance	
SPRING CREEK							
Just upstream of confluence of Lick Creek	3.78	2,199	3,036	3,428	5,275	3,889	
At State Route 6	2.87	1,802	2,435	2,735	4,291	2,964	
Just upstream of confluence with Spring Creek Tributary A	2.56	1,7131	2,300 ¹	2,5821	4,116 ¹	2,814 ¹	
At Arrington Road	2.51	1,870	2,637	3,019	4,410	3,345	
Approximately 300 feet upstream of confluence with Spring Creek Tributary B	2.00	1,655	2,320	2,648	3,823	2,957	
Approximately 1,270 feet upstream of confluence with Spring Creek Tributary C	1.78	1,402	1,972	2,255	3,256	2,543	
Approximately 1,190 feet upstream of confluence with Spring Creek Tributary D	0.93	758	1,058	1,201	1,734	1,438	
SPRING CREEK TRIBUTARY A At confluence with Spring Creek	0.19	372	503	558	795	606	
SPRING CREEK TRIBUTARY B At confluence with Spring Creek	0.23	460	621	688	984	740	
Approximately 860 feet upstream of confluence with Tributary to Spring Creek Tributary B	0.16	312	424	470	673	510	
SPRING CREEK TRIBUTARY C At confluence with Spring Creek	0.13	108	148	167	241	176	
SPRING CREEK TRIBUTARY D At confluence with Spring Creek	0.50	400	568	639	982	676	
Approximately 4,330 feet upstream of confluence with Tributary to Spring Creek Tributary D	0.43	371	527	592	909	622	
TRIBUTARY TO SPRING CREEK TRIBUTA	RVR						
At confluence with Spring Creek Tributary B	0.07	161	214	235	338	239	
TRIBUTARY TO SPRING CREEK TRIBUTA	RY D						
At confluence with Spring Creek Tributary D Notes:	0.08	148	199	220	313	213	

TABLE 8. SUMMARY OF STILL WATER ELEVATIONS ELEVATION (feet)

FLOODING SOURCE AND LOCATION	10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance	1% Annual Ultimate Chance
UNNAMED POND Entire shoreline of the pond	264.3	267.4	268.2	269.4	268.5

CREATED TO REFLECT LOMR EFFECTIVE: May 18, 2012

14 (a)

¹Discharge decreased due to storage effects

