



\* Travel time is measured from the initiation of breach formation to the time the breach wave arrives at the section.

The inundation area was developed based on a breach with the water surface at the Top of Dam elevation. Cross Sections were developed using 2-meter LIDAR data.

Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	DDG- 0264_1_12788	0	1038.0	1032.1	0.0	8,293	606	3.6
25	DDG- 0264_1_12346	441	1011.1	1001.5	0.1	6,169	140	9.5
24	DDG- 0264_1_11692	1,096	998.9	988.5	0.1	3,678	282	5.6
23	DDG- 0264_1_11349	1,439	988.8	982.4	0.2	3,944	466	3.9
22	DDG- 0264_1_9983	2,805	983.5	976.9	0.2	3,484	696	2.5
21	DDG- 0264_1_9879	2,909	983.1	977.2	0.2	3,396	680	2.5
20	DDG- 0264_1_9280	3,508	980.5	973.1	0.2	3,061	379	3.4
19	DDG- 0264_1_8207	4,581	976.5	969.9	0.3	2,461	227	3.7
18	DDG- 0264_1_7475	5,313	973.1	964.4	0.3	2,290	134	4.2
17	DDG- 0264_1_6394	6,394	967.7	960.3	0.4	2,148	180	4.4
16	DDG- 0264_1_5485	7,303	963.4	955.2	0.4	1,989	238	3.6
15	DDG- 0264_1_3981	8,807	956.2	950.7	0.5	1,887	298	3.4
14	DDG- 0264_1_2663	10,125	949.6	942.6	0.6	1,794	145	5.9
13	DDG- 0264_1_1583	11,205	941.6	936.3	0.6	1,747	201	5.1
12	Rock Creek_1_65799	12,788	928.9	922.9	0.7	1,751	84	5.8
11	Rock Creek_1_63393	15,193	921.1	914.8	0.8	1,515	93	3.7
10	Rock Creek_1_60812	17,774	912.7	906.0	1.0	1,341	212	2.5
9	Rock Creek_1_59308	19,278	908.4	901.1	1.2	1,177	116	2.2
8	Rock Creek_1_57239	21,348	905.8	899.0	1.3	1,095	95	2.8
7	Rock Creek_1_55793	22,794	903.3	896.1	1.4	1,068	73	2.8
6	Rock Creek_1_54631	23,955	900.3	894.5	1.4	1,062	64	4.6
5	Rock Creek_1_53631	24,956	896.7	888.9	1.6	993	89	2.1
4	Rock Creek_1_50535	28,052	893.2	886.9	1.8	921	82	2.7
3	Rock Creek_1_48265	30,321	887.5	881.9	1.9	907	70	4.1
2	Rock Creek_1_47793	30,794	886.0	878.9	2.1	884	197	1.6
1	Rock Creek_1_45324	33,262	883.9	876.9	2.3	817	79	1.8
12_TRIB	DDG- 0274_1_18642	13,409	928.9	923.1	0.7	97	72	0.4

Breach flow below Rock Creek\_1\_45324 is contained within the banks

Designed	EWR	Date	06/20/09
Drawn	DMM	Date	06/29/2009
Checked	JW	Date	06/20/09
Approved	AGB	Date	06/20/09

DDG-0264 NID-KS09134  
DOUGLAS COUNTY, KANSAS



File Name
Drawing Name
6/29/2009
Sheet 1 of 1

Attachment 1:  
Inundation Area  
Boundary Map

REVISIONS		
DATE	APPROVED	TITLE