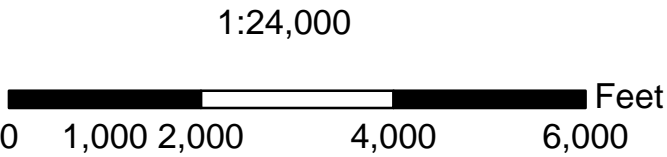


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
9	Rock Creek_1_50535	37,835	897.9	886.9	2.1	3,194	318	3.2
8	Rock Creek_1_48265	40,104	890.9	881.9	2.3	3,040	178	5.0
7	Rock Creek_1_47793	40,577	890.1	878.9	2.4	2,859	302	1.8
6	Rock Creek_1_45324	43,045	887.9	876.9	2.6	2,566	128	3.1
5	Rock Creek_1_43681	44,689	886.7	877.0	2.7	2,395	111	2.6
4	Rock Creek_1_42063	46,307	885.6	876.3	2.8	2,237	177	2.3
3	Rock Creek_1_39912	48,458	884.1	875.6	2.9	2,115	161	2.3
2	Rock Creek_1_38306	50,064	882.7	876.3	3.1	1,979	321	1.9
1	Rock Creek_1_33632	54,738	880.5	875.0	4.2	1,121	831	0.7

* 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.



Attachment 1:
Inundation Area
Boundary Map

REVISIONS		
DATE	APPROVED	TITLE

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

DDG-0223 KS04082
DOUGLAS COUNTY, KANSAS



File Name
Drawing Name
6/29/2009
Sheet 2 of 2