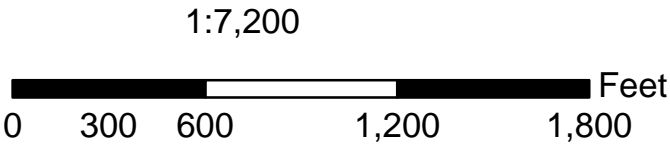


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	5875	0	956.0	951.3	0.1	9,030	830	7.3
5	5513	361	929.2	921.0	0.1	8,825	295	8.6
4	4941	934	919.5	910.4	0.1	8,588	176	9.7
3	4656	1,219	912.3	902.4	0.1	8,569	206	9.3
2	4017	1,858	897.2	887.5	0.2	8,422	167	10.2
1	3173	2,702	885.1	877.8	0.2	7,339	410	3.9

\* 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-0118 NID-KS00582  
DOUGLAS COUNTY, KANSAS



File Name
Drawing Name
6/30/2009
Sheet 1 of 1