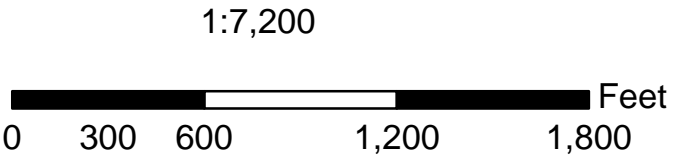


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	8597	0	981.0	971.4	0.2	26,647	304	14.3
5	7056	1,541	942.3	932.8	0.2	24,448	424	10.6
4	5855	2,742	924.0	913.0	0.3	22,364	504	8.3
3	3745	4,852	904.3	890.2	0.3	19,741	326	8.9
2	2062	6,535	889.7	880.6	0.3	17,872	498	6.0
1	1143	7,454	886.5	878.4	0.4	14,932	726	2.9

* 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		Date	
Designed	EWR	06/20/09	06/20/09
Drawn	DMM	06/30/2009	06/30/2009
Checked	JW	06/20/09	06/20/09
Approved	AGB	06/20/09	06/20/09

DDG-0148 NID-KS00588
DOUGLAS COUNTY, KANSAS

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

File Name

Drawing Name

6/30/2009

Sheet 1 of 1