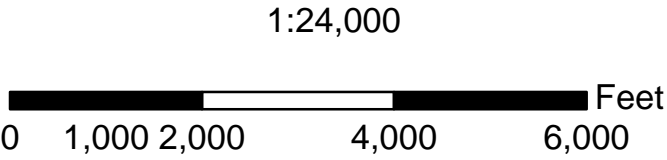


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	DDG- 0292_1_4437	0	931.6	915.8	0.2	30,396	489	10.1
17	DDG- 0292_1_3079	1,358	916.1	896.4	0.3	27,214	677	8.7
16	DDG- 0292_1_2206	2,231	906.9	888.1	0.3	25,693	663	7.4
15	DDG- 0292_1_983	3,454	896.3	881.0	0.3	24,446	611	7.8
14	Washington Cr Tr_2_5059	4,437	890.0	874.0	0.3	23,535	804	7.0
14_TRIB	DDG- 0313_1_437	4,874	890.0	879.3	0.3	- 15	76	0.0
13	Washington Cr Tr_2_2885	6,611	876.3	862.0	0.4	19,979	805	4.7
12	Washington Cr Tr_2_1248	8,248	867.7	857.6	0.5	17,927	827	6.6
11	Washington Cr Tr_1_12919	9,496	861.3	847.4	0.5	16,352	1,922	3.3
11_TRIB	DDG- 0245_1_1443	9,741	861.3	853.6	0.6	- 7	14	- 0.1
10	Washington Cr Tr_1_10047	12,368	853.3	841.8	0.9	9,629	2,367	1.7
9	Washington Cr Tr_1_6011	16,404	848.3	833.7	1.4	5,484	847	2.8

* 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 tTop 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
07/16/2009				
08/20/09				

DDG-0292 NID-KS09235
DOUGLAS COUNTY, KANSAS



File Name
Drawing Name
07/16/2009
Sheet 1 of 2