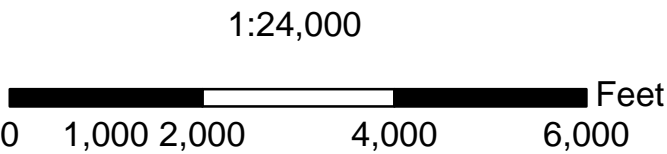


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
8	Little Wakar Ck_3_38773	22,463	871.4	865.1	1.5	3,473	626	2.8
7	Little Wakar Ck_3_36424	24,812	864.9	853.9	1.7	3,213	562	3.0
6	Little Wakar Ck_3_33496	27,740	855.5	846.5	1.9	2,993	288	3.6
5	Little Wakar Ck_3_29089	32,147	839.7	831.7	2.2	2,789	434	3.2
4	Little Wakar Ck_3_25628	35,607	824.8	817.5	2.5	2,408	71	6.4
3	Little Wakar Ck_3_20447	40,788	817.8	805.5	2.8	2,089	202	2.9
2	Little Wakar Ck_3_17507	43,729	813.6	800.8	3.0	1,935	153	3.4
1	Little Wakar Ck_3_16217	45,018	811.5	800.0	3.1	1,846	88	3.7

\* 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
06/2009	EWR	DMM	JW	AGB
07/08/2009				
08/2009				
09/2009				

DDG-0280 NID-KS00608  
DOUGLAS COUNTY, KANSAS



File Name	
Drawing Name	
07/08/2009	
Sheet 2 of 2	