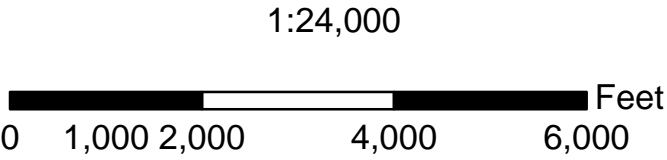


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
9	Washington Cr Tr_1_6011	16,404	848.3	833.7	1.4	5,484	847	2.8
8	Washington Cr Tr_1_1496	20,918	838.5	823.4	1.6	4,888	179	6.7
7	Washington Cr Tr_1_890	21,525	836.3	823.4	1.7	4,784	119	5.6
6	Wakarusa River_1_22847	22,415	835.3	822.4	1.8	3,946	110	5.5
6_TRIB	Washington Creek_1_13211	35,626	833.7	831.3	2.8	7	31	0.1
5	Wakarusa River_1_20931	24,330	833.9	820.1	2.0	3,544	96	4.7
4	Wakarusa River_1_17972	27,290	832.5	816.0	2.3	2,914	240	1.6
3	Wakarusa River_1_12849	32,413	829.6	814.2	2.4	2,745	91	3.8
2	Wakarusa River_1_10484	34,778	826.0	814.7	2.6	2,636	109	3.3
1	Wakarusa River_1_5056	40,205	819.1	806.9	2.9	2,392	100	3.0

\* 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

Designed	EWR	Date	06/2009
Drawn	DMM	Date	07/16/2009
Checked	JW	Date	06/2009
Approved	AGB	Date	06/2009

DDG-0292 NID-KS09235  
DOUGLAS COUNTY, KANSAS



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