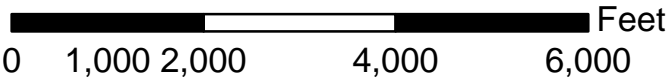


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
11	Washington Creek_1_13211	30,895	848.8	831.3	2.9	5,063	296	4.1
10	Washington Creek_1_10053	34,053	846.1	828.0	3.1	4,933	834	1.5
9	Washington Creek_1_8361	35,745	845.0	829.3	3.2	4,897	273	3.6
8	Washington Creek_1_7016	37,090	844.0	828.0	3.2	4,875	818	2.5
7	Washington Creek_1_5791	38,315	842.1	826.6	3.3	4,862	436	2.8
6	Wakarusa River_1_22847	44,106	836.9	822.4	3.7	4,451	124	4.9
6_TRIB	Washington Cr Tr_2_6011	50,117	836.9	833.7	3.8	9	43	0.1
5	Wakarusa River_1_20931	46,021	835.9	820.1	3.8	4,330	262	4.1
4	Wakarusa River_1_17972	48,981	834.6	816.0	4.0	4,055	321	1.7
3	Wakarusa River_1_12849	54,104	831.7	814.2	4.1	3,963	114	4.2
2	Wakarusa River_1_10484	56,469	828.2	814.7	4.3	3,870	246	3.6
1	Wakarusa River_1_5056	61,896	822.3	806.9	4.6	3,748	157	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 the higher of the auxiliary spillway elevation or 100-year, 6-hour storm event. Cross sections were developed using Cross Sections were developed using 2-meter LIDAR data.

1:24,000



Attachment 1:
Inundation Area
Boundary Map

REVISIONS		
DATE	APPROVED	TITLE

Designed	EWR	Date	06/20/09
Drawn	DMM	Date	07/15/2009
Checked	JW	Date	08/20/09
Approved	AGB	Date	08/20/09

DDG-0200 FRD25 NID-KS04098
DOUGLAS COUNTY, KANSAS



File Name
Drawing Name
07/15/2009 Sheet 2 of 2