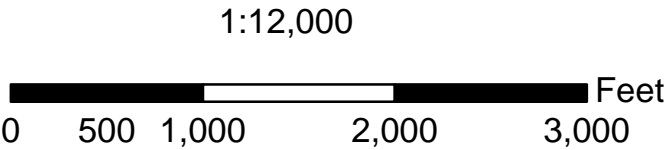


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	DDG- 0172_1_2276	0	953.0	940.8	0.2	14,870	286	9.3
5	DDG- 0172_1_1459	817	940.8	927.3	0.2	13,059	360	8.7
4	DDG- 0172_1_467	1,809	929.5	919.4	0.2	11,379	335	11.6
3	Chicken Creek_2_18699	2,276	926.7	919.2	0.2	9,182	411	4.5
2	Chicken Creek_2_18162	2,813	925.7	919.5	0.3	8,270	705	2.7
1	Chicken Creek_2_17946	3,029	925.4	920.0	8.0	7,815	740	0.0
3_TRIB	DDG- 0235_1_557	2,833	926.8	920.2	0.3	- 298	230	- 0.3
3_TRIB	DDG- 0235_1_1704	3,980	927.1	923.4	0.3	40	47	0.3

The breach flow from DDG_0172 is contained in the detention pool of DDG- 0201, Wakarusa River Watershed Dam FRD 26

* 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 Top of Dam elevation. Cross Sections were developed using 2-meter LIDAR data.



Attachment 1:
Inundation Area
Boundary Map

REVISIONS		
DATE	APPROVED	TITLE



DDG-0172 NID-KS00594
DOUGLAS COUNTY, KANSAS

Designed	Drawn	Checked	Approved
EWK	DMM	JW	AGB
07/10/2009	07/10/2009	08/20/2009	08/20/2009

File Name
Drawing Name
07/10/2009
Sheet 1 of 1