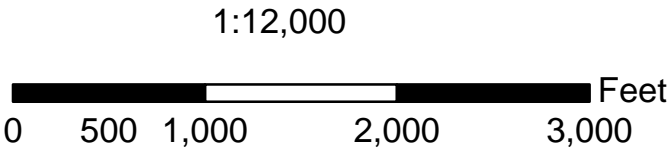


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	DDG- 0235_1_6307	0	997.5	986.9	0.2	20,019	181	14.1
6	DDG- 0235_1_4949	1,358	970.1	958.6	0.2	17,572	152	16.3
5	DDG- 0235_1_3569	2,738	941.0	930.3	0.2	13,019	546	3.8
4	DDG- 0235_1_2643	3,664	939.2	925.3	0.3	10,882	294	5.1
3	DDG- 0235_1_1704	4,603	936.1	923.4	0.3	8,508	356	3.9
2	DDG- 0235_1_557	5,751	928.6	920.2	1.0	50	258	0.0
1	Chicken Creek_2_18699	6,307	928.6	919.2	1.0	61	654	0.0
1_TRIB	DDG- 0172_1_1459	7,766	928.6	927.3	1.0	10	29	0.5

The breach flow from DDG_0235 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 Top 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	06/20/09
Drawn	DMM	Date	07/13/2009
Checked	JW	Date	06/20/09
Approved	AGB	Date	06/20/09

DDG-0235 NID-KS04081
DOUGLAS COUNTY, KANSAS



File Name
Drawing Name
07/13/2009
Sheet 1 of 1