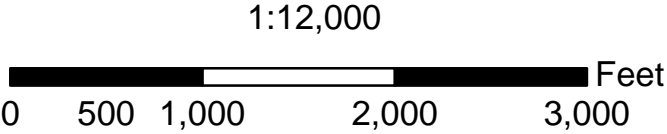


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	DDG- 0032_1_3443	0	997.7	983.9	0.2	32,382	206	21.0
9	DDG- 0032_1_2353	1,090	953.7	942.7	0.2	30,751	475	11.4
8	DDG- 0032_1_1565	1,878	937.4	921.0	0.2	29,768	336	13.2
7	DDG- 0032_1_566	2,877	913.6	900.4	0.2	29,349	477	10.5
6	Coon Creek_1_6669	3,443	905.9	887.3	0.2	17,121	671	4.4
6_TRIB	Coon Creek_4_7872	4,647	905.8	894.2	0.3	- 636	374	- 0.8
5	Coon Creek_1_5439	4,672	902.0	883.4	0.3	12,665	602	4.3
4	Coon Creek_1_2258	7,853	889.8	875.8	0.4	10,177	474	6.2
3	Wakarusa River_60_10458	3,443	881.6	875.1	0.6	6,272	935	1.8
3_TRIB	DDG0283_1_2119	5,562	881.8	880.6	0.6	10	28	0.4
2	Wakarusa River_60_8804	5,097	877.8	874.9	1.4	1,918	1,410	0.7
1	Wakarusa River_60_7890	6,011	877.5	874.9	1.5	1,871	1,772	0.7

* 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	EWR	06/20/09	
Drawn	DMM	6/30/2009	
Checked	JW	06/20/09	
Approved	AGB	06/20/09	

DDG-0032 NID-KS00565
DOUGLAS COUNTY, KANSAS



File Name	
Drawing Name	
6/30/2009	
Sheet 1 of 1	