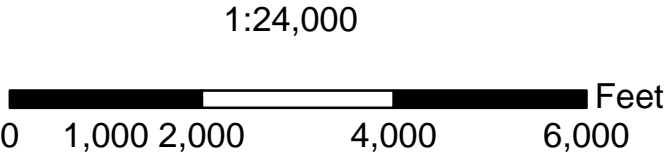


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	DDG- 0219_1_1482	0	994.0	986.0	0.2	18,536	274	13.2
18	DDG- 0219_1_1059	422	981.7	967.5	0.2	17,814	244	13.5
17	DDG- 0219_1_700	782	974.6	960.8	0.2	17,382	362	8.5
16	Coon Creek_4_15815	1,482	962.2	952.5	0.3	15,029	278	9.9
16_TRIB	DDG- 0196_1_1849	3,331	962.5	960.1	0.3	- 24	29	- 0.6
15	Coon Creek_3_15335	1,962	959.1	947.4	0.3	14,163	569	5.3
14	Coon Creek_3_13947	3,349	953.1	940.6	0.3	12,628	423	5.8
13	Coon Creek_3_13234	4,063	947.8	939.3	0.3	11,926	390	6.9
12	Coon Creek_2_12440	4,857	939.1	927.9	0.3	10,663	460	6.8
12_TRIB	DDG- 0146_1_1025	5,882	939.4	935.4	0.4	- 14	28	- 0.2
11	Coon Creek_2_12100	5,196	938.5	922.5	0.3	10,121	510	2.9
10	Coon Creek_2_12008	5,289	937.0	923.9	0.4	10,894	69	17.3
9	Coon Creek_2_11897	5,400	934.0	922.2	0.4	10,616	437	5.2
8	Coon Creek_2_9634	7,663	915.0	904.1	0.5	8,658	509	4.7
7	Coon Creek_2_7872	9,424	907.5	894.2	0.5	7,087	628	4.0
6	Coon Creek_1_6669	10,628	902.1	887.3	0.7	5,151	494	3.2
6_TRIB	DDG- 0032_1_566	11,194	902.1	900.4	0.7	10	25	0.4
5	Coon Creek_1_5439	11,857	898.0	883.4	0.8	4,825	317	5.3
4	Coon Creek_1_2258	15,038	886.8	875.8	0.8	4,577	126	5.2
3	Wakarusa River_60_10458	17,297	880.4	875.1	1.1	3,444	910	1.5
3_TRIB	DDG0283_1_1201	18,498	880.4	877.3	1.1	8	156	0.0
2	Wakarusa River_60_8804	18,950	877.4	874.9	2.0	1,324	1,408	0.6
1	Wakarusa River_60_7890	19,864	877.1	874.9	2.1	1,291	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 06/20/09  
Designed EWR  
Drawn DMM  
Checked JW  
Approved AGB

DDG-0219 NID-KS04083  
DOUGLAS COUNTY, KANSAS



File Name  
Drawing Name  
07/01/2009  
Sheet 1 of 1