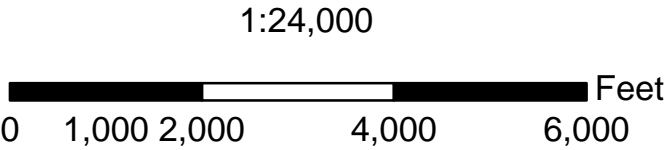


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	DDG- 0146_1_7370	0	996.7	986.5	0.2	7,209	221	7.4
15	DDG- 0146_1_5447	1,923	977.8	964.7	0.2	6,236	275	6.4
14	DDG- 0146_1_2912	4,459	959.7	948.7	0.3	5,838	171	6.3
13	DDG- 0146_1_1025	6,346	947.2	935.4	0.3	5,372	320	5.7
12	Coon Creek_2_12440	7,370	937.4	927.9	0.4	5,446	399	6.5
11	Coon Creek_2_12100	7,710	936.0	922.5	0.4	5,217	479	2.2
10	Coon Creek_2_12008	7,802	934.2	923.9	0.4	5,161	61	11.4
9	Coon Creek_2_11897	7,913	932.1	922.2	0.4	5,316	417	4.3
8	Coon Creek_2_9634	10,176	913.9	904.1	0.5	4,880	498	3.9
7	Coon Creek_2_7872	11,938	906.1	894.2	0.6	4,271	441	4.4
6	Coon Creek_1_6669	13,142	900.9	887.3	0.7	3,552	315	3.2
5	Coon Creek_1_5439	14,371	896.6	883.4	0.8	3,413	119	5.2
4	Coon Creek_1_2258	17,552	885.5	875.8	0.9	3,237	117	4.5
3	Wakarusa River_60_10458	19,810	880.1	875.1	1.1	2,650	889	1.3
2	Wakarusa River_60_8804	21,464	877.5	874.9	2.0	1,431	1,409	0.6
1	Wakarusa River_60_7890	22,378	877.1	874.9	2.1	1,410	1,772	0.7
12_TRIB	Coon Creek_3_12465	7,395	937.4	928.3	0.4	218	380	0.3
6_TRIB	DDG- 0032_1_25	13,167	900.9	887.9	0.7	2	227	0.0
3_TRIB	DDG0283_1_1201	21,011	880.1	877.3	1.1	99	149	0.4

* 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

Date08/2009

DesignedEWR

Date08/2009

DrawnEWR

Date08/2009

CheckedEWR

Date08/2009

ApprovedAGB

DDG-0146 NID-KS00566
DOUGLAS COUNTY, KANSAS

NRCS

Natural Resources Conservation Service
United States Department of Agriculture

File Name

Drawing Name

08/03/09Time

Sheet 1 of 1