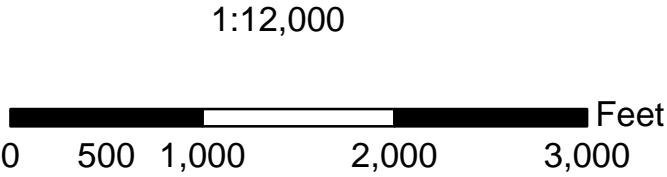


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	DDG- 0170_1_7392	0	1029.6	1020.6	0.1	12,055	234	11.7
23	DDG- 0170_1_6388	1,005	1002.4	995.1	0.1	12,954	620	7.0
22	DDG- 0170_1_4078	3,314	957.5	945.1	0.2	10,859	259	8.5
21	DDG- 0170_1_2742	4,650	947.0	928.5	0.2	8,934	424	3.6
20	DDG- 0170_1_2683	4,709	944.6	928.5	0.2	8,927	44	24.9
19	DDG- 0170_1_2613	4,779	938.4	927.7	0.2	8,679	270	6.5
18	DDG- 0170_1_1931	5,461	931.9	920.9	0.3	8,211	538	5.8
17	DDG- 0170_1_949	6,443	923.0	912.4	0.3	7,276	830	3.7
16	DDG- 0170_1_385	7,007	918.5	905.3	0.3	6,471	469	6.4
15	Deer Creek_2_13026	7,392	915.2	903.1	0.4	6,255	218	9.1
14	Deer Creek_2_12833	7,584	914.4	902.0	0.4	5,811	293	4.1
13	Deer Creek_2_12147	8,271	911.9	900.0	0.4	5,189	510	4.8
12	Deer Creek_2_10332	10,086	903.4	894.7	0.6	4,047	1,108	2.2
11	Deer Creek_2_9807	10,611	902.1	892.7	0.6	3,615	574	2.5
10	Deer Creek_2_8990	11,428	898.3	888.9	0.6	3,468	527	2.8
9	Deer Creek_2_8565	11,853	896.4	886.9	0.7	3,416	275	5.5
8	Deer Creek_1_8391	12,027	895.8	886.4	0.7	3,506	318	5.2
7	Deer Creek_1_8068	12,350	894.8	884.9	0.7	3,421	408	3.4
6	Deer Creek_1_6497	13,920	890.7	882.5	0.8	2,927	484	2.5
5	Deer Creek_1_4133	16,284	886.9	876.6	1.0	2,415	1,041	1.6
4	Deer Creek_1_3067	17,351	885.9	877.1	1.1	2,248	876	2.4
3	Deer Creek_1_2502	17,916	885.1	876.6	1.1	2,165	518	1.9
2	Deer Creek_1_1729	18,688	884.1	877.0	1.2	1,934	676	1.4
1	Deer Creek_1_1070	19,348	883.8	876.0	1.3	1,739	1,105	0.7
15_TRIB	Deer Creek_3_14650	9,184	915.6	909.1	0.4	113	63	0.7
8_TRIB	DDG- 0282_1_25	12,052	895.8	889.0	0.7	100	13	2.3

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

DDG-0170 NID-KS00593
DOUGLAS COUNTY, KANSAS



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