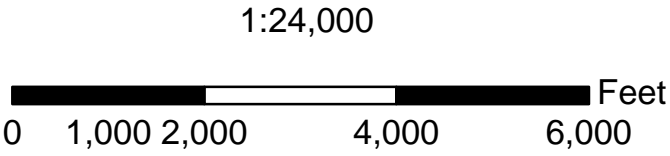


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Section
CL Dam	DDG- 0245_1__20695.07	0	1011.5	1001.6	0.1	15,774	177	CL Dam
19	DDG- 0245_1__18956.78	1,738	980.2	971.2	0.2	11,842	218	19
18	DDG- 0245_1__18127.69	2,567	974.0	961.2	0.2	8,870	296	18
17	DDG- 0245_1__16087.92	4,607	957.6	948.1	0.2	6,766	257	17
16	DDG- 0245_1__14889.51	5,806	945.4	932.3	0.3	5,257	97	16
15	DDG- 0245_1__13324.02	7,371	933.0	922.5	0.3	4,384	359	15
14	DDG- 0245_1__12707.84	7,987	928.2	916.8	0.4	3,903	500	14
13	DDG- 0245_1__10735.05	9,960	911.9	902.3	0.5	3,183	269	13
12	DDG- 0245_1__9381.601	11,313	898.2	888.2	0.5	3,059	84	12
11	DDG- 0245_1__8004.235	12,691	890.6	881.7	0.5	2,815	55	8.1
10	DDG- 0245_1__7228.855	13,466	885.9	876.4	0.6	2,562	106	4.5
9	DDG- 0245_1__5159	15,536	879.5	868.6	0.7	1,991	55	5.1
8	DDG- 0245_1__4004.986	16,690	874.5	866.6	0.8	1,769	148	3.3
7	DDG- 0245_1__2976.04	17,719	870.8	861.9	0.8	1,593	560	3.5
6	DDG- 0245_1__1442.7	19,252	863.0	853.6	1.0	1,442	641	1.7
5	Washington Cr Tr_1__12918.7	20,695	857.9	847.4	1.1	1,257	45	4.3
5_TRIB	Washington Cr Tr_2__938	21,633	858.0	855.1	1.0	9	28	0.2
4	Washington Cr Tr_1__10046.61	23,567	851.3	841.8	1.3	1,074	48	4.0

* 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-0245 NID-KS04079
DOUGLAS COUNTY, KANSAS



Natural Resources Conservation Service
United States Department of Agriculture

File Name

Drawing Name

07/16/2009
Sheet 1 of 2