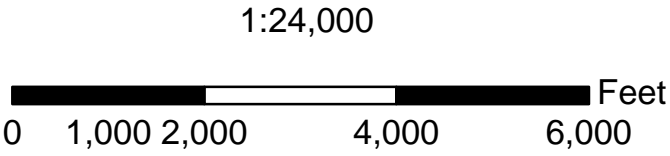


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Section
12	DDG- 0245_1__9381.601	11,313	898.2	888.2	0.5	3,059	84	12
11	DDG- 0245_1__8004.235	12,691	890.6	881.7	0.5	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
3	Washington Cr Tr_1__6010.772	27,603	840.8	833.7	1.6	913	71	3.0
2	Washington Cr Tr_1__1496.427	32,117	831.3	823.4	1.9	788	45	3.1
1	Washington Cr Tr_1__889.9492	32,724	829.4	823.4	1.9	784	52	4.2

* 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
07/16/2009				
08/20/09				
09/20/09				

DDG-0245 NID-KS04079
DOUGLAS COUNTY, KANSAS



File Name
Drawing Name
07/16/2009
Sheet 2 of 2