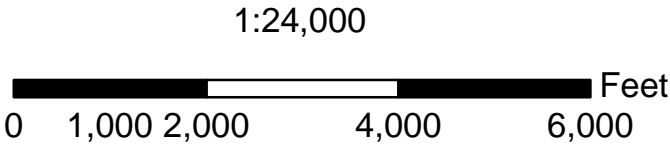


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Flow Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	DDG- 0276_1_11491	0	937.3	933.7	0.1	10,000	386	14.7
12	DDG- 0276_1_11432	60	933.7	922.8	0.1	9,654	447	3.3
CULVERT	DDG- 0276- 11364	LOW POINT IN ROAD		928.6				
11	DDG- 0276_1_11249	243	913.8	903.0	0.1	9,654	195	10.4
10	DDG- 0276_1_9278	2,213	882.1	869.6	0.2	6,627	352	5.6
9	DDG- 0276_1_7180	4,311	866.1	856.5	0.3	4,552	281	4.9
8	DDG- 0276_1_5448	6,043	855.8	843.8	0.4	3,380	574	1.7
BRIDGE	DDG- 0276- 5363	LOW POINT IN ROAD		853.3				
7	DDG- 0276_1_5226	6,266	848.7	841.5	0.4	3,355	277	4.3
6	DDG- 0276_1_2460	9,032	837.1	831.2	0.6	2,555	733	1.2

* 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
07/27/2009				
08/20/09				
08/20/09				

DDG-0276 NID-KS00604
DOUGLAS COUNTY, KANSAS



File Name
Drawing Name
07/27/2009
Sheet 2 of 2