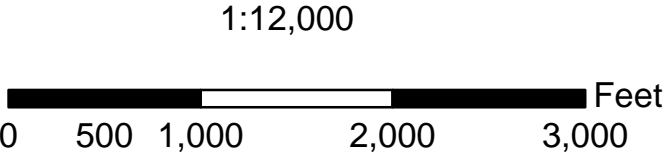


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	DDG- 0222_1_2849	0	864.5	857.8	0.2	11,030	312	9.0
12	DDG- 0222_1_1823	1,026	843.5	833.8	0.2	10,182	200	10.2
11	DDG- 0222_1_1293	1,556	835.5	828.8	0.3	9,934	206	10.1
10	DDG- 0222_1_723	2,125	824.6	818.8	0.3	9,761	191	12.2
9	Little Wakar Ck_2_15182	2,849	813.1	798.4	0.3	4,141	1,140	1.3
8	Little Wakar Ck_2_11522	6,509	807.4	795.0	0.6	2,706	265	3.4
7	Little Wakar Ck_2_9255	8,776	804.9	791.7	0.8	2,135	207	2.4
6	Little Wakar Ck_2_8563	9,468	804.1	791.9	0.9	1,955	83	3.3
5	Little Wakar Ck_2_7091	10,940	803.1	790.6	1.0	1,721	176	2.3
4	Little Wakar Ck_1_6390	11,641	802.8	790.6	1.0	1,689	80	3.0
4 TRIB	DDG- 0234_1_689	12,330	802.8	801.3	1.0	10	29	0.6
3	Little Wakar Ck_1_6278	11,753	802.6	790.5	1.0	1,682	78	3.1
2	Little Wakar Ck_1_2192	15,839	795.6	786.8	1.2	1,568	55	4.7
1	Little Wakar Ck_1_1124	16,907	793.5	784.6	1.3	1,533	71	3.4

* 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

DDG-0222 NID-KS04096
DOUGLAS COUNTY, KANSAS

Natural Resources Conservation Service
United States Department of Agriculture

Date
06/2009
07/08/2009
06/2009
06/2009

Designed
EWR

Drawn
DMM

Checked
JW

Approved
AGB

File Name

Drawing Name

07/07/2009
Sheet 1 of 1