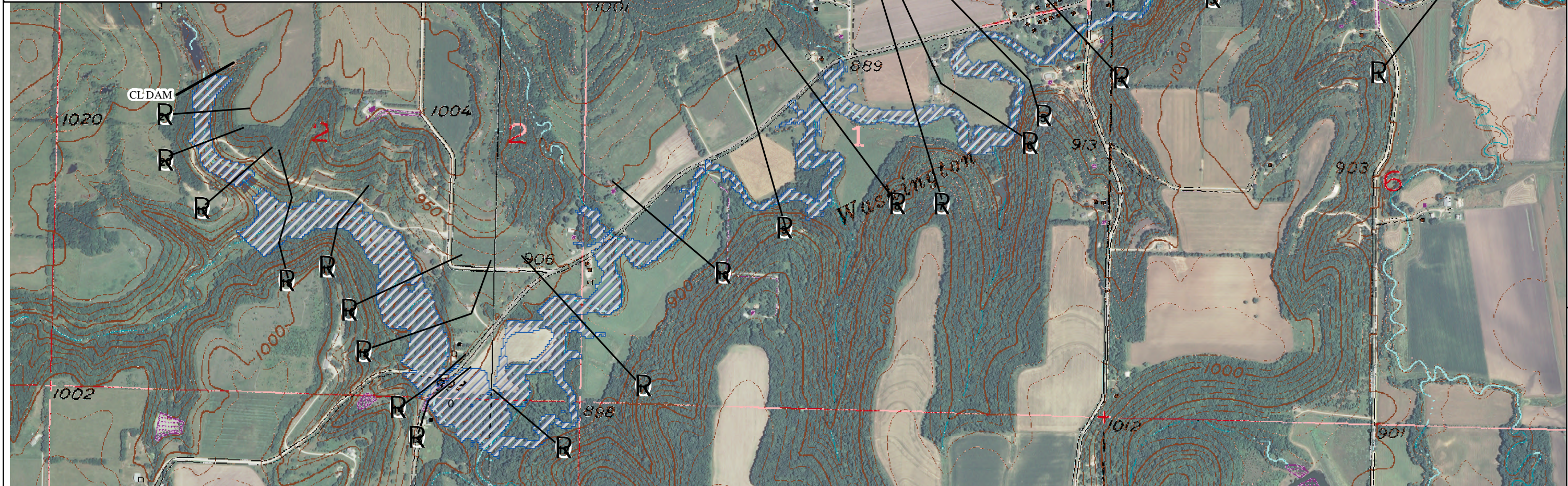
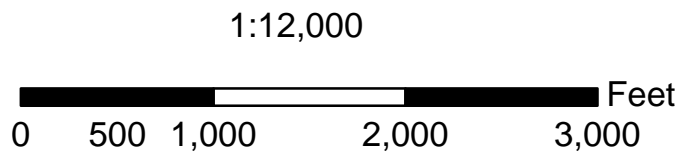


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	DDG- 0120_1_64184	0	972.5	965.5	0.1	11,030	188	12.1
21	DDG- 0120_1_63849	335	961.7	951.6	0.1	10,464	180	11.1
20	DDG- 0120_1_63481	702	954.0	945.5	0.1	10,076	173	12.0
19	DDG- 0120_1_62968	1,216	942.4	938.2	0.1	9,709	244	11.4
18	DDG- 0120_1_62278	1,905	917.6	910.2	0.2	9,158	391	5.7
17	DDG- 0120_1_61458	2,726	911.4	901.8	0.2	7,856	332	5.0
16	DDG- 0120_1_59756	4,428	902.0	890.0	0.2	5,713	485	3.3
15	DDG- 0120_1_59216	4,967	898.9	888.9	0.3	4,892	328	4.8
14	DDG- 0120_1_58549	5,634	897.5	885.3	0.3	4,250	312	2.8
13	DDG- 0120_1_58392	5,792	894.6	884.6	0.3	4,125	527	3.5
12	DDG- 0120_1_56011	8,173	890.7	879.1	0.5	2,156	276	2.4
11	DDG- 0120_1_53987	10,196	889.1	876.7	0.7	1,524	415	1.9
10	DDG- 0120_1_51799	12,385	886.9	878.3	0.8	1,325	182	2.7
9	DDG- 0120_1_50114	14,070	883.9	875.0	0.9	1,199	56	3.3
8	DDG- 0120_1_47970	16,214	881.1	871.7	1.0	1,078	149	2.4
7	DDG- 0120_1_46918	17,266	880.2	871.1	1.1	1,025	176	1.8
6	DDG- 0120_1_45422	18,762	878.5	872.9	1.2	999	83	3.3
5	DDG- 0120_1_43670	20,513	872.1	866.2	1.3	971	68	3.1
4	DDG- 0120_1_42548	21,636	869.7	863.7	1.4	935	72	2.9
3	DDG- 0120_1_39673	24,511	866.2	857.5	1.7	838	96	2.0
2	DDG- 0120_1_37670	26,514	863.8	856.1	1.8	821	57	3.1
1	DDG- 0120_1_35663	28,520	859.5	850.6	2.1	789	44	3.1



* 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 higher of 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		07/20/2009		06/20/09		06/20/09	
Designed	EWR	Drawn	DMM	Checked	JW	Approved	AGB		

DDG-0120 NID-KS00583
DOUGLAS COUNTY, KANSAS



File Name	
Drawing Name	
07/20/2009	
Sheet 1 of 1	