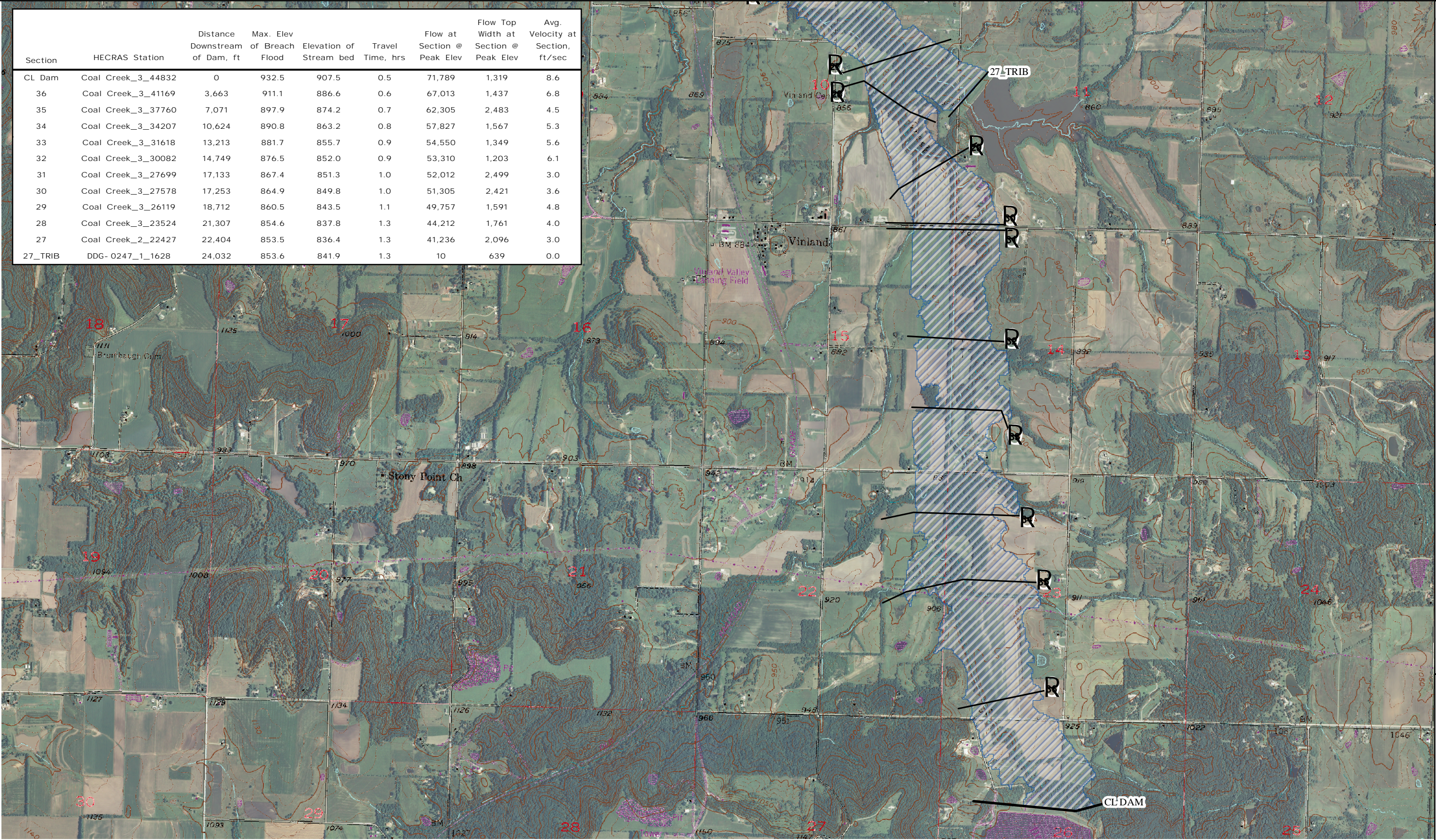
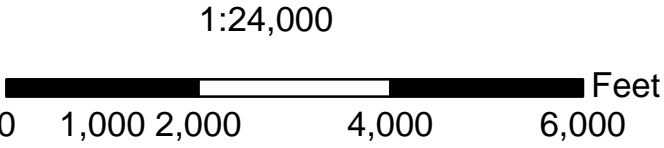


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	Coal Creek_3_44832	0	932.5	907.5	0.5	71,789	1,319	8.6
36	Coal Creek_3_41169	3,663	911.1	886.6	0.6	67,013	1,437	6.8
35	Coal Creek_3_37760	7,071	897.9	874.2	0.7	62,305	2,483	4.5
34	Coal Creek_3_34207	10,624	890.8	863.2	0.8	57,827	1,567	5.3
33	Coal Creek_3_31618	13,213	881.7	855.7	0.9	54,550	1,349	5.6
32	Coal Creek_3_30082	14,749	876.5	852.0	0.9	53,310	1,203	6.1
31	Coal Creek_3_27699	17,133	867.4	851.3	1.0	52,012	2,499	3.0
30	Coal Creek_3_27578	17,253	864.9	849.8	1.0	51,305	2,421	3.6
29	Coal Creek_3_26119	18,712	860.5	843.5	1.1	49,757	1,591	4.8
28	Coal Creek_3_23524	21,307	854.6	837.8	1.3	44,212	1,761	4.0
27	Coal Creek_2_22427	22,404	853.5	836.4	1.3	41,236	2,096	3.0
27_TRIB	DDG- 0247_1_1628	24,032	853.6	841.9	1.3	10	639	0.0



* 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 higher of the Auxiliary Spillway elevation , which is higher than the 100-year,6-hour storm elevation. Cross Sections were developed using 2-meter LIDAR data.



Attachment 1:
Inundation Area
Boundary Map

REVISIONS		
DATE	APPROVED	TITLE

DOUGLAS COUNTY STATE LAKE DAM
DDG-0281 NID-KS00870
DOUGLAS COUNTY, KANSAS



File Name
Drawing Name
07/06/2009 Sheet 1 of 3

Date	Designed	Drawn	Checked	Approved
06/20/09	EWR	DMM	JW	AGB
07/06/2009				
08/20/09				