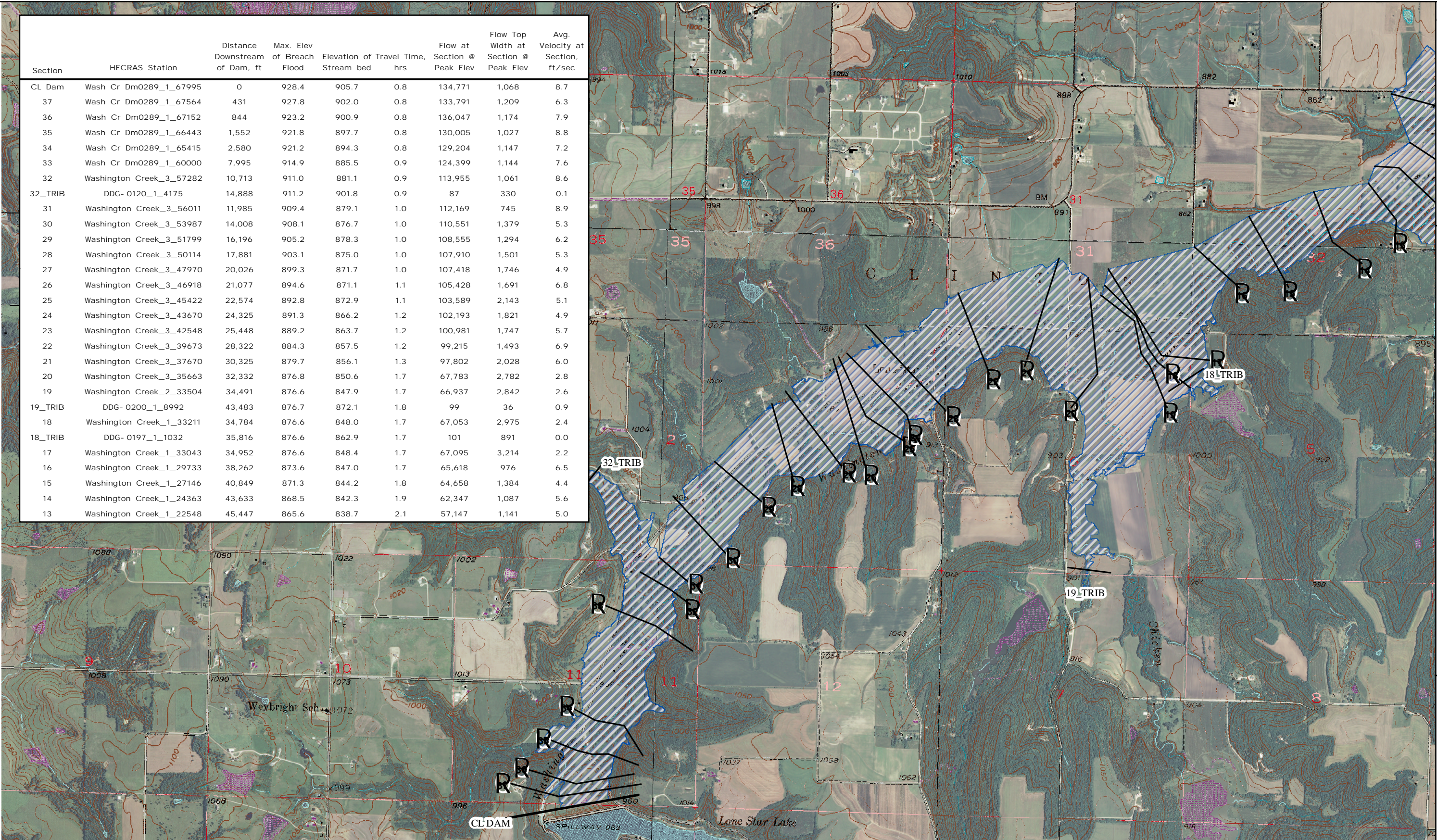
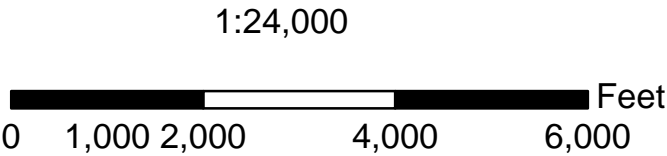


Section	HECRAS Station	Distance Downstream of Dam, ft	Max. Elev of Breach Flood	Elevation of Stream bed	Travel Time, hrs	Flow at Section @ Peak Elev	Flow Top Width at Section @ Peak Elev	Avg. Velocity at Section, ft/sec
CL Dam	Wash Cr Dm0289_1_67995	0	928.4	905.7	0.8	134,771	1,068	8.7
37	Wash Cr Dm0289_1_67564	431	927.8	902.0	0.8	133,791	1,209	6.3
36	Wash Cr Dm0289_1_67152	844	923.2	900.9	0.8	136,047	1,174	7.9
35	Wash Cr Dm0289_1_66443	1,552	921.8	897.7	0.8	130,005	1,027	8.8
34	Wash Cr Dm0289_1_65415	2,580	921.2	894.3	0.8	129,204	1,147	7.2
33	Wash Cr Dm0289_1_60000	7,995	914.9	885.5	0.9	124,399	1,144	7.6
32	Washington Creek_3_57282	10,713	911.0	881.1	0.9	113,955	1,061	8.6
32_TRIB	DDG- 0120_1_4175	14,888	911.2	901.8	0.9	87	330	0.1
31	Washington Creek_3_56011	11,985	909.4	879.1	1.0	112,169	745	8.9
30	Washington Creek_3_53987	14,008	908.1	876.7	1.0	110,551	1,379	5.3
29	Washington Creek_3_51799	16,196	905.2	878.3	1.0	108,555	1,294	6.2
28	Washington Creek_3_50114	17,881	903.1	875.0	1.0	107,910	1,501	5.3
27	Washington Creek_3_47970	20,026	899.3	871.7	1.0	107,418	1,746	4.9
26	Washington Creek_3_46918	21,077	894.6	871.1	1.1	105,428	1,691	6.8
25	Washington Creek_3_45422	22,574	892.8	872.9	1.1	103,589	2,143	5.1
24	Washington Creek_3_43670	24,325	891.3	866.2	1.2	102,193	1,821	4.9
23	Washington Creek_3_42548	25,448	889.2	863.7	1.2	100,981	1,747	5.7
22	Washington Creek_3_39673	28,322	884.3	857.5	1.2	99,215	1,493	6.9
21	Washington Creek_3_37670	30,325	879.7	856.1	1.3	97,802	2,028	6.0
20	Washington Creek_3_35663	32,332	876.8	850.6	1.7	67,783	2,782	2.8
19	Washington Creek_2_33504	34,491	876.6	847.9	1.7	66,937	2,842	2.6
19_TRIB	DDG- 0200_1_8992	43,483	876.7	872.1	1.8	99	36	0.9
18	Washington Creek_1_33211	34,784	876.6	848.0	1.7	67,053	2,975	2.4
18_TRIB	DDG- 0197_1_1032	35,816	876.6	862.9	1.7	101	891	0.0
17	Washington Creek_1_33043	34,952	876.6	848.4	1.7	67,095	3,214	2.2
16	Washington Creek_1_29733	38,262	873.6	847.0	1.7	65,618	976	6.5
15	Washington Creek_1_27146	40,849	871.3	844.2	1.8	64,658	1,384	4.4
14	Washington Creek_1_24363	43,633	868.5	842.3	1.9	62,347	1,087	5.6
13	Washington Creek_1_22548	45,447	865.6	838.7	2.1	57,147	1,141	5.0



* 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 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
Designed	EWR
Drawn	DMM
Checked	JW
Approved	AGB

LONE STAR LAKE DAM
DDG-0014 NID-KS02540
DOUGLAS COUNTY, KANSAS



File Name
Drawing Name
07/10/2009
Sheet 1 of 2