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1992	8	243	61.504	14,945	72,144	
1992	9	140	59.52	8,333	23,278	
1992	10	122	61.504	7,503	15,836	
1992	11	127	59.52	7,559	15,063	
1992	12	121	61.504	7,442	15,001	
1993	1	115	61.504	7,073	14,515	
1993	2	516	55.552	28,665	35,738	
1993	3	1584	61.504	97,422	126,087	
1993	4	543	59.52	32,319	129,742	
1993	5	463	61.504	28,476	60,796	
1993	6	327	59.52	19,463	47,939	
1993	7	3210	61.504	197,428	216,891	216,891
1993	8	848	61.504	52,155	249,583	249,583
1993	9	1173	59.52	69,817	121,972	
1993	10	1251	61.504	76,942	146,758	
1993	11	1308	59.52	77,852	154,794	
1993	12	928	61.504	57,076	134,928	
1994	1	474	61.504	29,153	86,229	
1994	2	529	55.552	29,387	58,540	
1994	3	1133	61.504	69,684	99,071	
1994	4	401	59.52	23,868	93,552	
1994	5	357	61.504	21,957	45,824	
1994	6	135	59.52	8,035	29,992	
1994	7	273	61.504	16,791	24,826	
1994	8	142	61.504	8,734	25,524	
1994	9	140	59.52	8,333	17,066	
1994	10	111	61.504	6,827	15,160	
1994	11	138	59.52	8,214	15,041	
1994	12	153	61.504	9,410	17,624	
1995	1	115	61.504	7,073	16,483	
1995	2	131	55.552	7,277	14,350	
1995	3	162	61.504	9,964	17,241	
1995	4	169	59.52	10,059	20,023	
1995	5	1151	61.504	70,791	80,850	
1995	6	1157	59.52	68,865	139,656	
1995	7	309	61.504	19,005	87,869	
1995	8	234	61.504	14,392	33,397	
1995	9	107	59.52	6,369	20,761	
1995	10	106	61.504	6,519	12,888	
1995	11	163	59.52	9,702	16,221	
1995	12	151	61.504	9,287	18,989	
1996	1	140	61.504	8,611	17,898	
1996	2	129	55.552	7,166	15,777	
1996	3	157	61.504	9,656	16,822	
1996	4	145	59.52	8,630	18,287	
1996	5	400	61.504	24,602	33,232	
1996	6	341	59.52	20,296	44,898	
1996	7	591	61.504	36,349	56,645	
1996	8	968	61.504	59,536	95,885	
1996	9	1283	59.52	76,364	135,900	
1996	10	1137	61.504	69,930	146,294	
1996	11	898	59.52	53,449	123,379	

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1996	12	331	61.504	20,358	73,807
1997	1	316	61.504	19,435	39,793
1997	2	298	55.552	16,554	35,990
1997	3	228	61.504	14,023	30,577
1997	4	836	59.52	49,759	63,782
1997	5	472	61.504	29,030	78,789
1997	6	296	59.52	17,618	46,648
1997	7	197	61.504	12,116	29,734
1997	8	180	61.504	11,071	23,187
1997	9	107	59.52	6,369	17,439
1997	10	80.4	61.504	4,945	11,314
1997	11	246	59.52	14,642	19,587
1997	12	297	61.504	18,267	32,909
1998	1	260	61.504	15,991	34,258
1998	2	266	55.552	14,777	30,768
1998	3	292	61.504	17,959	32,736
1998	4	778	59.52	46,307	64,266
1998	5	483	61.504	29,706	76,013
1998	6	122	59.52	7,261	36,968
1998	7	261	61.504	16,053	23,314
1998	8	205	61.504	12,608	28,661
1998	9	77	59.52	4,583	17,191
1998	10	146	61.504	8,980	13,563
1998	11	197	59.52	11,725	20,705
1998	12	200	61.504	12,301	24,026
1999	1	254	61.504	15,622	27,923
1999	2	199	55.552	11,055	26,677
1999	3	179	61.504	11,009	22,064
1999	4	256	59.52	15,237	26,246
1999	5	717	61.504	44,098	59,335
1999	6	325	59.52	19,344	63,442
1999	7	158	61.504	9,718	29,062
1999	8	170	61.504	10,456	20,173
1999	9	57.5	59.52	3,422	13,878
1999	10	93.6	61.504	5,757	9,179
1999	11	122	59.52	7,261	13,018
1999	12	141	61.504	8,672	15,934
2000	1	148	61.504	9,103	17,775
2000	2	143	55.552	7,944	17,047
2000	3	75.7	61.504	4,656	12,600
2000	4	241	59.52	14,344	19,000
2000	5	93	61.504	5,720	20,064
2000	6	131	59.52	7,797	13,517
2000	7	506	61.504	31,121	38,918
2000	8	92.9	61.504	5,714	36,835
2000	9	38.6	59.52	2,297	8,011
2000	10	28.6	61.504	1,759	4,056
2000	11	42.4	59.52	2,524	4,283
2000	12	24.3	61.504	1,495	4,018
2001	1	40.7	61.504	2,503	3,998
2001	2	51.3	55.552	2,850	5,353
2001	3	541	61.504	33,274	36,123

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2001	4	218	59.52	12,975	46,249
2001	5	785	61.504	48,281	61,256
2001	6	394	59.52	23,451	71,732
2001	7	293	61.504	18,021	41,472
2001	8	147	61.504	9,041	27,062
2001	9	108	59.52	6,428	15,469

Instantaneous

Stam set

Huge difference
contribution Heady
to Clay Center

Peak

Total

1949 P	1949 Ave	1950 P	1951 T	1952 P	1952 T
(cfs)	(cfs)	(cfs)			
20,000	867,400	30,000	1,227,000	10,700	588,000
Republican nr. Heady		662,000			
		969,700			
Republican @ Concordia	1,028,000	1,203,000	2,423,000	6,630	811,500
Republican @ Clay Center	1,223,000	26,600			

Flood of 1951

Republican nr. Heady
 Qp = 18,600 cfs on June 2
 July 11, 1951 @ 1500 - 17,200 cfs.
 Republican @ Clay Center
 Qp = 51,500 on July 12
 Max Q 195,000 on June 5, 1955
 Solomon @ Niles, KS
 Qp = 178,000 on July 14 = Max Q (Records 1917-1951)
 Smoky Hill @ Enterprise, KS
 Qp = 223,000 on July 14 = Max Q (Records 1934-1951)
 Kansas River @ Ogden
 Qp = 298,000 on July 12 = Max Q (Records 1917-1951)

Mean Q

July 9	19,500
July 11	153,000
July 13	283,000
July 16	156,000
July 20	39,000
July 26	19,500