

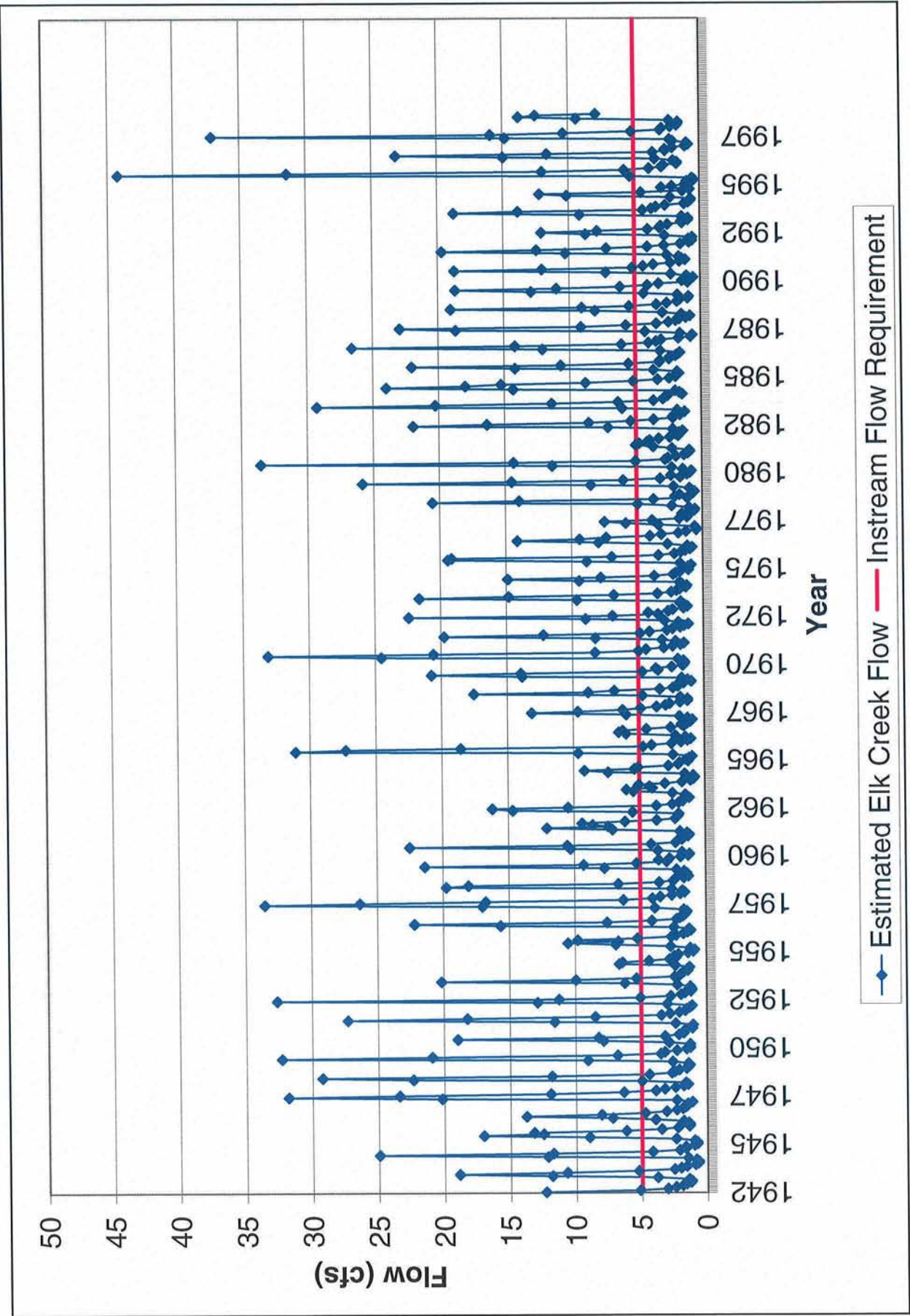
REVISED TABLE 2:  
ELK CREEK ESTIMATED MONTHLY FLOW (CFS)

Year	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
1909	1.20	1.04	1.26	3.39	11.42	39.93	29.73	15.96	21.71	8.75	6.37	2.94
1910	3.03	2.17	3.73	5.46	10.21	12.07	4.85	3.17	2.65	2.59	2.08	1.68
1911	1.94	2.03	1.36	2.55	13.12	18.23	15.80	7.09	4.25	3.47	2.03	1.62
1912	1.13	1.13	1.26	2.79	13.53	35.15	21.71	7.99	5.44	4.63	3.67	2.84
1913	2.03	1.62	2.43	4.22	12.96	17.17	11.42	7.01	6.76	5.13	3.71	
1942							12.31	5.14	3.03	2.41	1.90	1.61
1943	1.26	1.24	1.41	3.80	11.83	18.87	10.69	5.24	2.51	2.02	1.59	0.92
1944	0.69	0.68	0.86	1.47	12.15	24.95	11.75	4.17	2.11	1.66	1.65	1.00
1945	0.76	0.79	0.99	2.37	8.99	17.01	12.47	13.20	6.17	3.48	2.23	1.38
1946	1.34	1.43	1.80	3.94	7.22	13.77	8.06	4.72	3.10	2.32	1.88	1.65
1947	1.51	1.47	1.13	2.32	20.17	31.83	23.41	11.91	6.34	3.90	3.22	2.41
1948	1.79	1.47	1.63	4.96	22.36	29.24	11.83	4.39	2.67	2.45	2.13	1.56
1949	1.42	1.33	1.43	2.62	9.07	32.32	20.90	6.80	3.51	3.21	2.28	1.56
1950	1.26	1.34	1.29	2.88	7.87	18.95	8.26	3.20	2.13	1.77	1.76	1.61
1951	1.11	1.13	1.05	2.37	11.58	27.30	18.23	8.51	3.46	2.79	2.08	1.64
1952	1.53	1.30	1.13	3.01	12.88	32.64	11.26	5.05	2.73	1.94	1.66	1.22
1953	1.12	1.17	1.25	2.24	6.23	20.17	9.96	5.34	2.42	2.05	1.91	1.75
1954	1.43	1.45	1.30	2.37	6.65	6.41	4.37	2.80	2.32	2.44	2.13	1.39
1955	1.00	0.91	1.24	2.71	6.90	10.53	6.71	9.80	5.24	2.66	2.28	1.73
1956	1.43	1.18	1.30	2.46	15.63	22.19	7.56	4.11	2.25	1.98	1.78	1.62
1957	1.54	1.46	1.70	3.89	17.01	33.53	26.33	16.77	6.30	4.06	3.47	2.59
1958	1.94	1.62	1.78	2.61	19.76	18.06	6.67	3.55	2.48	2.36	1.65	1.33
1959	1.86	1.46	1.64	2.21	7.72	21.38	9.32	5.26	2.96	3.57	2.75	1.90
1960	1.31	1.22	1.79	3.61	10.29	22.52	10.53	4.13	2.26	2.14	1.78	1.69
1961	1.33	1.23	1.41	1.93	7.08	12.07	7.41	8.59	9.40	6.12	3.69	2.28
1962	2.16	2.06	2.02	5.53	14.66	16.20	10.45	3.72	2.50	1.99	1.70	1.66
1963	1.22	1.47	1.49	2.47	5.46	5.99	4.01	4.22	5.04	3.05	1.75	1.11
1964	0.88	0.79	0.89	1.54	7.39	9.18	5.38	5.10	2.77	2.01	1.90	1.27
1965	1.43	1.20	0.96	2.41	9.65	31.10	27.30	18.57	4.69	4.03	2.52	1.78
1966	1.30	1.05	1.46	2.20	5.98	6.55	6.24	4.42	2.57	1.57	1.75	1.29
1967	1.05	0.93	1.29	1.87	5.95	13.14	9.65	6.22	4.85	3.62	2.94	2.64
1968	1.83	1.29	1.27	1.81	4.70	17.53	8.85	6.86	3.36	2.36	2.00	2.01
1969	1.58	0.99	1.27	1.70	13.86	20.74	13.95	4.71	3.50	3.66	2.44	1.61
1970	1.51	1.47	1.55	1.96	24.54	33.13	20.57	8.29	4.97	4.38	3.03	2.36
1971	1.74	1.51	2.11	3.16	8.26	19.76	12.19	4.84	4.11	2.79	2.35	1.77
1972	1.49	1.17	1.89	2.96	8.98	22.44	6.93	3.44	4.18	2.67	2.34	1.52
1973	1.23	1.43	1.75	1.72	9.64	21.63	14.82	6.84	3.47	2.42	2.02	1.77
1974	1.33	1.26	1.61	1.78	9.45	14.87	7.81	3.70	2.26	2.06	1.72	1.10
1975	1.22	1.15	0.90	1.75	8.87	19.42	19.14	6.96	3.36	2.15	1.68	1.34
1976	0.99	0.81	1.18	2.68	7.95	14.13	9.40	7.37	4.02	3.14	1.83	1.26
1977	0.48	0.49	0.60	3.35	5.85	7.48	3.83	1.76	1.18	1.12	1.56	1.07
1978	0.62	0.57	1.02	2.32	4.93	20.53	13.97	3.71	1.13	2.06	1.74	0.71
1979	0.59	0.82	0.98	2.18	8.51	25.84	14.51	6.03	3.18	1.65	2.37	1.16
1980	0.94	0.83	1.47	2.29	11.42	33.53	14.35	5.06	2.80	2.58	1.97	1.35
1981	1.08	0.93	0.96	2.27	3.69	5.02	4.77	4.16	3.96	3.26	2.42	1.78
1982	1.98	1.71	1.44	2.19	7.14	21.97	16.34	8.60	5.41	3.63	2.17	2.17
1983	1.64	1.68	1.29	1.84	6.05	29.24	20.25	11.42	6.37	3.64	2.92	2.78
1984	2.57	1.46	1.66	1.98	14.34	23.98	17.98	15.23	8.83	5.18	3.32	2.42
1985	1.94	1.69	1.82	3.61	14.18	22.03	10.69	5.53	3.17	3.13	2.42	2.40
1986	1.94	1.78	1.61	3.11	12.07	26.57	14.18	6.07	3.99	3.40	3.03	1.69
1987	0.79	0.65	1.59	4.25	18.68	22.92	9.15	5.70	3.36	2.44	1.90	1.63
1988	1.12	0.83	1.46	2.91	8.05	19.04	9.08	5.44	3.35	2.57	1.78	1.61
1989	0.99	0.91	1.75	4.33	12.91	18.68	10.99	6.14	4.02	3.18	0.96	1.39
1990	0.75	0.54	1.06	2.23	7.22	18.74	12.08	5.19	4.35	3.56	2.27	1.58
1991	1.14	1.43	1.62	2.54	10.28	19.68	12.49	7.17	4.01	2.75	1.48	0.84
1992	0.63	0.88	0.59	2.70	8.74	12.08	7.87	3.98	3.08	2.98	2.47	1.36
1993	1.43	0.91	0.91	1.38	9.18	18.76	13.87	4.36	3.68	3.33	2.63	1.17
1994	0.89	0.71	0.70	2.22	10.15	12.22	4.47	1.30	0.77	2.90	2.10	1.10
1995	0.72	0.97	0.41	0.57	5.29	44.23	31.43	12.01	5.76	3.83	2.89	2.74
1996	1.73	1.70	1.99	3.38	14.97	23.14	11.63	3.55	2.61	2.62	2.05	1.09
1997	0.86	0.98	2.04	2.26	14.82	37.10	15.91	10.40	5.19	2.98	2.86	2.19
1998	1.71	1.64	1.63	2.30	9.40	13.78	12.50	7.93	4.20			

REVISED TABLE 3:  
WISP CREEK ESTIMATED MONTHLY FLOW (CFS)

Year	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
1909	0.22	0.19	0.23	0.61	2.06	7.19	5.35	2.87	3.91	1.57	1.15	0.53
1910	0.55	0.39	0.67	0.98	1.84	2.17	0.87	0.57	0.48	0.47	0.37	0.30
1911	0.35	0.36	0.24	0.46	2.36	3.28	2.84	1.28	0.77	0.62	0.36	0.29
1912	0.20	0.20	0.23	0.50	2.43	6.33	3.91	1.44	0.98	0.83	0.66	0.51
1913	0.36	0.29	0.44	0.76	2.33	3.09	2.06	1.26	1.22	0.92	0.67	
1942							2.22	0.93	0.55	0.43	0.34	0.29
1943	0.23	0.22	0.25	0.68	2.13	3.40	1.92	0.94	0.45	0.36	0.29	0.17
1944	0.12	0.12	0.15	0.27	2.19	4.49	2.11	0.75	0.38	0.30	0.30	0.18
1945	0.14	0.14	0.18	0.43	1.62	3.06	2.25	2.38	1.11	0.63	0.40	0.25
1946	0.24	0.26	0.32	0.71	1.30	2.48	1.45	0.85	0.56	0.42	0.34	0.30
1947	0.27	0.27	0.20	0.42	3.63	5.73	4.21	2.14	1.14	0.70	0.58	0.43
1948	0.32	0.26	0.29	0.89	4.02	5.26	2.13	0.79	0.48	0.44	0.38	0.28
1949	0.26	0.24	0.26	0.47	1.63	5.82	3.76	1.22	0.63	0.58	0.41	0.28
1950	0.23	0.24	0.23	0.52	1.42	3.41	1.49	0.58	0.38	0.32	0.32	0.29
1951	0.20	0.20	0.19	0.43	2.08	4.91	3.28	1.53	0.62	0.50	0.37	0.30
1952	0.28	0.23	0.20	0.54	2.32	5.88	2.03	0.91	0.49	0.35	0.30	0.22
1953	0.20	0.21	0.22	0.40	1.12	3.63	1.79	0.96	0.44	0.37	0.34	0.31
1954	0.26	0.26	0.23	0.43	1.20	1.15	0.79	0.50	0.42	0.44	0.38	0.25
1955	0.18	0.16	0.22	0.49	1.24	1.90	1.21	1.76	0.94	0.48	0.41	0.31
1956	0.26	0.21	0.23	0.44	2.81	3.99	1.36	0.74	0.41	0.36	0.32	0.29
1957	0.28	0.26	0.31	0.70	3.06	6.04	4.74	3.02	1.13	0.73	0.63	0.47
1958	0.35	0.29	0.32	0.47	3.56	3.25	1.20	0.64	0.45	0.42	0.30	0.24
1959	0.34	0.26	0.30	0.40	1.39	3.85	1.68	0.95	0.53	0.64	0.50	0.34
1960	0.24	0.22	0.32	0.65	1.85	4.05	1.90	0.74	0.41	0.38	0.32	0.30
1961	0.24	0.22	0.25	0.35	1.27	2.17	1.33	1.55	1.69	1.10	0.66	0.41
1962	0.39	0.37	0.36	1.00	2.64	2.92	1.88	0.67	0.45	0.36	0.31	0.30
1963	0.22	0.26	0.27	0.44	0.98	1.08	0.72	0.76	0.91	0.55	0.31	0.20
1964	0.16	0.14	0.16	0.28	1.33	1.65	0.97	0.92	0.50	0.36	0.34	0.23
1965	0.26	0.22	0.17	0.43	1.74	5.60	4.91	3.34	0.84	0.72	0.45	0.32
1966	0.23	0.19	0.26	0.40	1.08	1.18	1.12	0.80	0.46	0.28	0.32	0.23
1967	0.19	0.17	0.23	0.34	1.07	2.36	1.74	1.12	0.87	0.65	0.53	0.47
1968	0.33	0.23	0.23	0.33	0.85	3.16	1.59	1.23	0.61	0.43	0.36	0.36
1969	0.28	0.18	0.23	0.31	2.50	3.73	2.51	0.85	0.63	0.66	0.44	0.29
1970	0.27	0.26	0.28	0.35	4.42	5.96	3.70	1.49	0.89	0.79	0.55	0.42
1971	0.31	0.27	0.38	0.57	1.49	3.56	2.19	0.87	0.74	0.50	0.42	0.32
1972	0.27	0.21	0.34	0.53	1.62	4.04	1.25	0.62	0.75	0.48	0.42	0.27
1973	0.22	0.26	0.31	0.31	1.74	3.89	2.67	1.23	0.63	0.44	0.36	0.32
1974	0.24	0.23	0.29	0.32	1.70	2.68	1.41	0.67	0.41	0.37	0.31	0.20
1975	0.22	0.21	0.16	0.31	1.60	3.50	3.44	1.25	0.61	0.39	0.30	0.24
1976	0.18	0.15	0.21	0.48	1.43	2.54	1.69	1.33	0.72	0.57	0.33	0.23
1977	0.09	0.09	0.11	0.60	1.05	1.35	0.69	0.32	0.21	0.20	0.28	0.19
1978	0.11	0.10	0.18	0.42	0.89	3.70	2.51	0.67	0.20	0.37	0.31	0.13
1979	0.11	0.15	0.18	0.39	1.53	4.65	2.61	1.09	0.57	0.30	0.43	0.21
1980	0.17	0.15	0.26	0.41	2.06	6.04	2.58	0.91	0.50	0.46	0.35	0.24
1981	0.19	0.17	0.17	0.41	0.66	0.90	0.86	0.75	0.71	0.59	0.44	0.32
1982	0.36	0.31	0.26	0.39	1.29	3.95	2.94	1.55	0.97	0.65	0.39	0.39
1983	0.30	0.30	0.23	0.33	1.09	5.26	3.65	2.06	1.15	0.65	0.52	0.50
1984	0.46	0.26	0.30	0.36	2.58	4.32	3.24	2.74	1.59	0.93	0.60	0.44
1985	0.35	0.30	0.33	0.65	2.55	3.97	1.92	1.00	0.57	0.56	0.44	0.43
1986	0.35	0.32	0.29	0.56	2.17	4.78	2.55	1.09	0.72	0.61	0.55	0.30
1987	0.14	0.12	0.29	0.77	3.36	4.13	1.65	1.03	0.61	0.44	0.34	0.29
1988	0.20	0.15	0.26	0.52	1.45	3.43	1.64	0.98	0.60	0.46	0.32	0.29
1989	0.18	0.16	0.31	0.78	2.32	3.36	1.98	1.11	0.72	0.57	0.17	0.25
1990	0.14	0.10	0.19	0.40	1.30	3.37	2.17	0.93	0.78	0.64	0.41	0.28
1991	0.20	0.26	0.29	0.46	1.85	3.54	2.25	1.29	0.72	0.50	0.27	0.15
1992	0.11	0.16	0.11	0.49	1.57	2.17	1.42	0.72	0.55	0.54	0.44	0.24
1993	0.26	0.16	0.16	0.25	1.65	3.38	2.50	0.78	0.66	0.60	0.47	0.21
1994	0.16	0.13	0.13	0.40	1.83	2.20	0.81	0.23	0.14	0.52	0.38	0.20
1995	0.13	0.17	0.07	0.10	0.95	7.96	5.66	2.16	1.04	0.69	0.52	0.49
1996	0.31	0.31	0.36	0.61	2.69	4.16	2.09	0.64	0.47	0.47	0.37	0.20
1997	0.16	0.18	0.37	0.41	2.67	6.68	2.86	1.87	0.93	0.54	0.51	0.39
1998	0.31	0.30	0.29	0.41	1.69	2.48	2.25	1.43	0.76			

REVISED FIGURE 8:  
ELK CREEK FLOW AT DIVERSION POINT COMPARED TO INSTREAM FLOW REQUIREMENT



REVISED FIGURE 9:  
HYDROGRAPH FOR EXISTING AND PROPOSED CONDITIONS

