

Salmon Trollers Marketing Assoc.

**PO Box 137
Fort Bragg, CA 95437**

Phone 707-964-5500

Fax 707-964-6985

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PFMC

The following information clearly shows that high water flows directly affect the fall Chinook natural spawners count on the upper Klamath River.

For the record, the only method of counting since 1978 has been "Reds" spawning beds in the gravel made by the fish and carcasses of spawned salmon. On a high flow year the water clarity inhibits the accuracy of the counts. Therefore, it is virtually impossible to get an accurate count with this obsolete method.

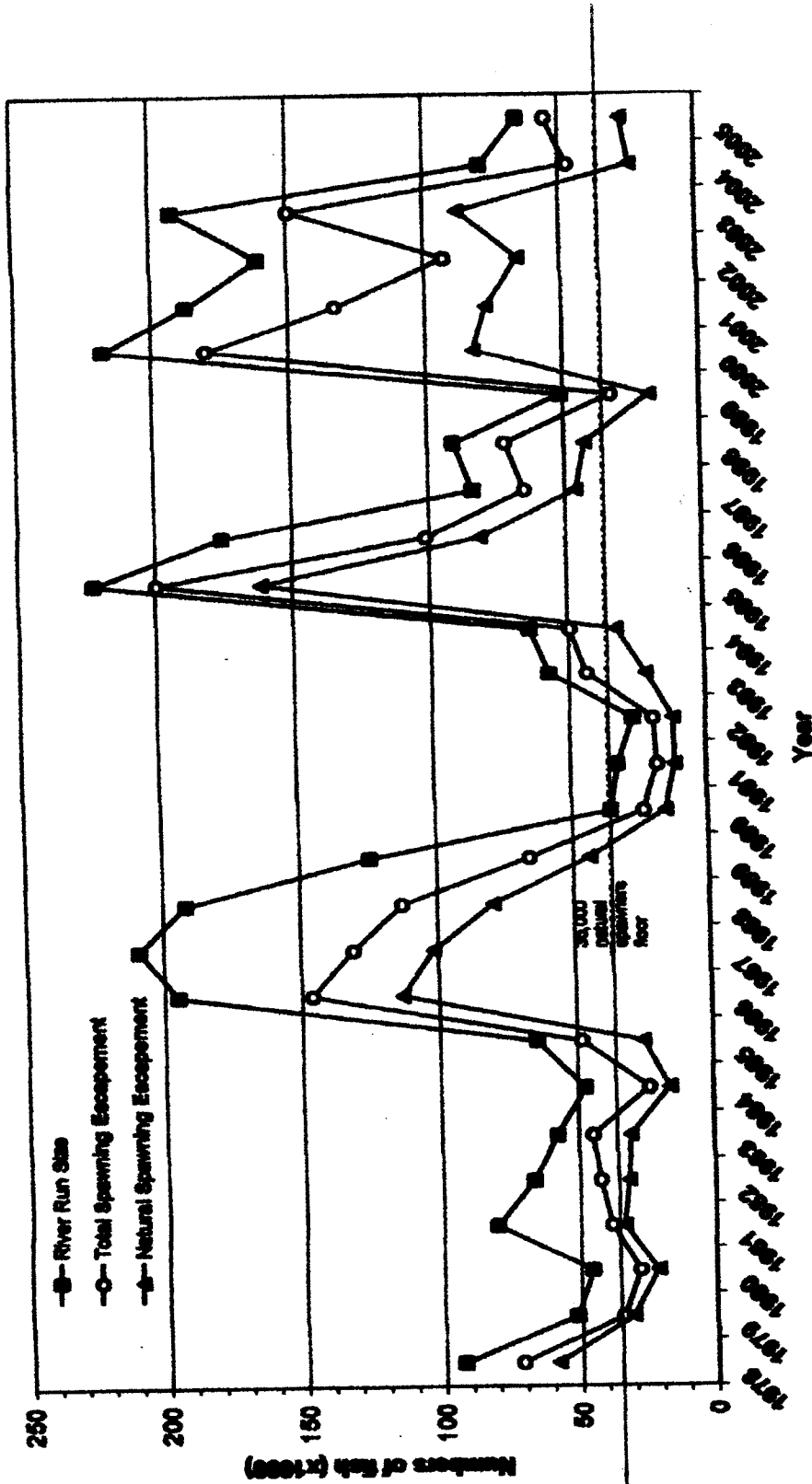
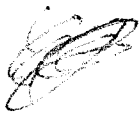


Figure 11-2. Klamath River adult fall Chinook returns and spawning escapements, 1976-2005.

EUREKA WSO CITY, CALIFORNIA



Monthly Total Precipitation (inches)

(042910)

File last updated on Mar 7, 2006

*** Note *** Provisional Data *** After Year/Month 200511

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc.,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS : 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing.

Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

YEAR (S)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1948	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.25	0.13	1.71	3.33	3.19	7.35	15.9
1949	1.63	6.09	6.94	0.41	2.56	0.06	0.16	0.02	0.50	2.03	3.23	4.49	28.1
1950	13.79	4.61	7.71	1.93	1.30	1.03	0.05	0.07	0.35	13.04	3.43	5.99	53.2
1951	8.47	7.56	3.94	2.05	1.38	0.00	0.05	0.02	0.79	3.88	7.80	9.10	45.0
1952	10.67	6.22	3.78	1.34	1.77	1.98	0.00	0.01	0.73	0.62	2.13	11.87	41.1
1953	12.63	3.44	5.95	3.18	5.83	1.24	0.00	0.41	0.61	3.84	9.57	3.62	50.2
1954	11.78	3.29	3.76	2.78	0.16	2.57	0.04	1.24	0.87	1.47	5.09	9.65	42.2
1955	5.73	1.83	1.82	5.56	0.03	0.11	0.21	0.00	1.18	2.64	5.77	11.63	36.2
1956	11.51	7.47	2.36	0.31	1.58	1.71	0.06	0.00	0.33	5.47	0.49	7.18	38.4
1957	4.22	4.36	8.77	1.96	3.42	0.30	0.34	0.02	1.37	6.00	4.44	5.69	40.8
1958	8.57	10.80	6.09	3.67	1.26	0.71	0.05	0.00	0.78	1.17	3.71	4.06	40.8
1959	7.23	10.65	3.37	0.52	0.91	0.25	0.00	0.01	1.54	0.74	0.28	3.64	29.1
1960	3.87	7.48	8.13	2.92	6.05	0.00	0.02	0.04	0.01	1.31	9.87	5.08	44.2
1961	4.54	7.53	7.90	3.49	3.97	0.50	0.03	0.30	0.53	2.28	5.65	3.44	40.1
1962	3.26	6.08	4.04	2.62	0.60	0.11	0.00	1.92	0.71	6.49	6.77	2.58	35.1
1963	1.70	4.74	6.28	10.68	1.74	0.33	0.11	0.07	0.68	5.41	6.91	3.20	41.8
1964	11.13	1.20	5.91	0.67	1.59	0.72	0.83	0.03	0.07	1.82	12.11	10.96	47.0
1965	5.82	1.36	1.23	5.60	0.44	0.35	0.00	0.36	0.00	0.70	5.20	5.22	26.2
1966	9.44	3.12	6.57	1.34	0.06	0.30	0.25	0.50	1.33	1.02	9.86	6.52	40.2
1967	8.87	1.47	7.44	5.29	1.52	0.32	0.00	0.00	1.32	2.15	4.40	4.34	37.1
1968	7.59	2.93	3.85	0.40	1.04	0.20	0.04	1.98	0.60	2.81	5.88	8.32	35.6
1969	13.92	7.82	1.56	3.22	1.01	0.34	0.05	0.00	0.36	3.20	3.49	9.60	44.2
1970	12.46	3.15	2.70	1.54	1.38	0.29	0.00	0.00	0.32	2.11	13.20	10.24	47.2
1971	5.41	3.28	7.91	2.92	1.28	1.51	0.16	0.55	2.08	0.92	6.36	6.38	38.2
1972	7.96	5.93	5.08	2.27	1.11	0.88	0.01	0.07	1.06	1.97	5.41	7.42	39.1
1973	6.47	3.85	7.10	0.35	0.85	0.23	0.00	0.08	2.35	4.14	16.58	7.02	49.0
1974	6.02	5.98	6.98	3.15	0.42	0.33	0.11	0.32	0.00	1.76	2.75	6.40	34.2
1975	5.20	7.68	10.73	3.29	1.05	0.58	0.10	0.58	0.01	6.77	4.72	5.38	46.0
1976	1.88	7.51	3.12	2.80	0.54	0.14	0.20	1.70	0.04	0.28	2.98	0.52	21.2
1977	1.90	2.24	4.33	1.20	2.10	0.07	0.00	0.20	3.35	2.79	4.51	6.60	29.2
1978	4.52	6.06	2.88	4.10	0.82	0.34	0.03	0.59	2.72	0.04	2.39	1.16	25.0
1979	3.82	6.26	1.70	3.94	2.25	0.05	0.31	0.13	1.15	6.14	6.19	3.75	35.0

Monthly Precipitation, EUREKA WSO CITY, CALIFORNIA

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1980	3.19	4.67	6.14	4.18	1.70	0.42	0.00	0.07	0.14	1.38	2.49	6.10	30.
1981	7.67	3.72	4.64	0.71	2.02	0.57	0.00	0.01	0.97	3.71	9.39	9.88	43
1982	4.75	5.76	7.06	5.97	0.07	0.78	0.08	0.03	0.62	4.89	7.83	10.30	48.
1983	8.48	9.18	10.73	5.47	1.12	0.65	0.89	3.42	0.87	1.87	10.40	14.13	67.
1984	0.76	5.18	4.70	2.76	2.51	1.07	0.03	0.05	0.55	3.67	15.15	4.27	40.
1985	0.66	3.69	4.68	0.45	1.14	0.89	0.15	0.52	1.06	4.07	2.98	2.78	23.
1986	7.19	10.08	6.12	1.46	2.34	0.21	0.02	0.00	2.70	1.75	1.85	3.83	37.
1987	6.48	3.38	6.10	1.15	0.41	0.26	0.20	0.06	0.02	1.05	4.23	10.92	34
1988	7.13	0.54	1.18	2.06	2.70	2.22	0.05	0.00	0.12	0.41	8.93	6.26	31
1989	4.71	2.88	7.63	2.01	1.67	0.21	0.08	0.13	0.85	2.90	1.60	0.80	25
1990	7.20	4.50	3.30	1.41	3.74	0.32	0.22	0.71	0.19	1.73	3.07	2.91	29
1991	1.65	2.75	6.94	2.52	2.16	0.26	1.13	0.37	0.00	1.06	1.95	2.36	23
1992	3.99	3.80	3.51	2.42	0.06	1.27	0.25	0.01	0.33	2.08	2.21	9.33	29
1993	7.15	5.93	4.72	5.94	4.44	1.23	0.37	0.54	0.03	0.56	1.35	7.12	39
1994	5.09	7.12	2.06	3.30	1.10	0.71	0.08	0.00	0.06	0.54	8.21	7.00	35
1995	12.74	1.40	11.18	7.47	1.21	1.85	0.08	0.22	0.69	0.53	2.26	11.56	51
1996	10.74	8.11	3.51	4.64	2.40	0.05	0.03	0.00	1.21	3.50	5.16	21.26	60
1997	8.81	2.55	2.73	3.06	0.90	1.25	0.00	0.84	2.05	2.73	7.39	4.73	37
1998	13.42	13.95	7.83	2.23	3.12	0.33	0.16	0.01	0.08	3.06	14.09	5.40	63
1999	4.37	10.32	8.94	1.79	1.62	0.15	0.04	0.30	0.05	1.60	7.36	3.02	39
2000	9.71	7.00	2.81	2.15	1.86	0.54	0.04	0.00	0.55	2.99	3.51	1.97	33
2001	3.79	3.60	2.45	2.54	0.71	0.69	0.20	0.21	0.28	1.00	7.71	11.56	34
2002	6.37	5.76	4.32	2.42	0.55	0.28	0.03	0.01	0.06	0.06	2.66	23.31	45
2003	5.51	3.84	4.91	11.25	1.74	0.04	0.02	0.49	0.35	0.55	5.78	11.35	45
2004	6.29	8.12	2.38	1.68	1.37	0.06	0.06	0.43	0.68	5.71	1.87	9.43	38
2005	5.91	2.41	6.24	4.70	3.90	3.08	0.05	0.07	0.08	2.40	8.52	14.84	52
2006	13.81	7.89	2.42z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	21

Period of Record Statistics

MEAN	6.89	5.35	5.21	3.00	1.69	0.65	0.13	0.34	0.76	2.66	5.73	7.15	39
S.D.	3.58	2.81	2.50	2.24	1.31	0.68	0.22	0.61	0.77	2.24	3.70	4.46	9
SKEW	0.33	0.62	0.40	1.69	1.43	1.68	3.05	3.09	1.42	2.00	0.98	1.35	0
MAX	13.92	13.95	11.18	11.25	6.05	3.08	1.13	3.42	3.35	13.04	16.58	23.31	67.
MIN	0.66	0.54	1.18	0.31	0.03	0.00	0.00	0.00	0.00	0.04	0.28	0.52	21
NO YRS	58	58	57	57	57	57	58	58	58	58	58	58	58