APPENDIX B-4:
Estimated Monthly Exceedence for Salmon Creek into Conconully Reservoir

Appendix B-4. Estimated Monthly Exceedances for Salmon Creek into Conconully Reservoir (1904-2002*)

Monthly Runoff (Acre-Feet)

Years Exceeded	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1%	1,900	1,390	4,550	11,000	26,000	35,600	9,140	2,340	1,853	3,100	2,090	1,100
10%	720	700	1,200	5,322	17,600	13,303	4,120	1,400	1,000	1,030	951	824
20%	610	600	900	3,688	11,400	9,700	2,400	970	699	800	700	649
30%	500	500	798	2,300	8,800	8,618	2,170	700	500	660	600	600
40%	410	436	600	1,740	6,920	6,771	1,800	500	392	540	500	560
50%	388	400	550	1,400	5,540	5,265	1,400	300	254	450	424	500
60%	300	330	500	1,102	4,340	4,500	872	100	200	381	400	400
70%	265	300	410	900	3,760	3,100	424	3	100	300	319	374
80%	200	221	287	690	2,800	1,903	170	-100	0	205	280	288
90%	159	154	185	461	1,400	1,200	0	-355	-250	100	200	144
99%	0	-200	86	-550	258	294	-1,200	-2,300	-2,100	-400	-200	-500
Mean	421	427	668	2,177	7,462	6,654	1,622	382	316	518	513	475

Monthly Streamflow (CFS)

Years Exceeded	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1%	31	25	74	185	423	598	149	38	31	50	35	18
10%	12	12	20	89	286	224	67	23	17	17	16	13
20%	10	11	15	62	185	163	39	16	12	13	12	11
30%	8	9	13	39	143	145	35	11	8	11	10	10
40%	7	8	10	29	113	114	29	8	7	9	8	9
50%	6	7	9	24	90	88	23	5	4	7	7	8
60%	5	6	8	19	71	76	14	2	3	6	7	7
70%	4	5	7	15	61	52	7	0	2	5	5	6
80%	3	4	5	12	46	32	3	-2	0	3	5	5
90%	3	3	3	8	23	20	0	-6	-4	2	3	2
99%	0	-4	1	-9	4	5	-20	-37	-35	-7	-3	-8
Mean	7	8	11	37	122	112	26	6	5	8	9	8

* Unregulated watershed runoff simulated from precipitation records years 1904-1946. For years 1947-2002, unregulated watershed runoff into Conconully Reservoir calculated from: *Watershed runoff = monthly Conconully outflow + gain in total reservoir storage during month* . Low runoff months may be slightly underestimated since storage data includes evaporation and seepage losses. Negative runoff estimates occur for some months, particularly in dry years, where losses to outflow, evaporation, and seepage exceed the total gain in monthly reservoir storage.