

RECEIVED
OCT 21 2008
IDWR/North

Table 1. Summary of Missing Data from the Spokane Internation Airport Data Set

Year	Possible Hours	Dry Bulb Temperature		Dew Point Temperature		Relative Humidity	
		Missing Values	% of Total	Missing Values	% of Total	Missing Values	% of Total
1973	8,760	221	2.5%	241	2.8%	244	2.8%
1974	8,760	2	0.0%	2	0.0%	2	0.0%
1975	8,760	147	1.7%	148	1.7%	150	1.7%
1976	8,784	309	3.5%	307	3.5%	314	3.6%
1977	8,760	149	1.7%	154	1.8%	157	1.8%
1978	8,760	186	2.1%	192	2.2%	194	2.2%
1979	8,760	455	5.2%	475	5.4%	478	5.5%
1980	8,784	399	4.6%	408	4.7%	408	4.7%
1981	8,760	1	0.0%	1	0.0%	1	0.0%
1982	8,760	2	0.0%	1	0.0%	2	0.0%
1983	8,760	2	0.0%	2	0.0%	3	0.0%
1984	8,784	1	0.0%	2	0.0%	2	0.0%
1985	8,760	1	0.0%	5	0.1%	5	0.1%
1986	8,760	1	0.0%	2	0.0%	2	0.0%
1987	8,760	1	0.0%	1	0.0%	1	0.0%
1988	8,784	2	0.0%	1	0.0%	2	0.0%
1989	8,760	1	0.0%	1	0.0%	1	0.0%
1990	8,760	2	0.0%	1	0.0%	2	0.0%
1991	8,760	2	0.0%	2	0.0%	3	0.0%
1992	8,784	2	0.0%	1	0.0%	2	0.0%
1993	8,760	1	0.0%	1	0.0%	1	0.0%
1994	8,760	2	0.0%	7	0.1%	7	0.1%
1995	8,760	5	0.1%	7	0.1%	7	0.1%
1996	8,784	28	0.3%	85	1.0%	85	1.0%
1997	8,760	1	0.0%	4	0.0%	4	0.0%
1998	8,760	1	0.0%	1	0.0%	1	0.0%
1999	8,760	1	0.0%	1	0.0%	1	0.0%
2000	8,784	2	0.0%	2	0.0%	2	0.0%
2001	8,760	2	0.0%	2	0.0%	2	0.0%
2002	8,760	1	0.0%	1	0.0%	1	0.0%
2003	8,760	1	0.0%	1	0.0%	1	0.0%
2004	8,784	2	0.0%	2	0.0%	2	0.0%
2005	8,760	4	0.0%	4	0.0%	4	0.0%
2006	8,760	18	0.2%	18	0.2%	18	0.2%
2007	8,760	13	0.1%	13	0.1%	13	0.1%
Totals	306,792	1,968	0.6%	2,096	0.7%	2,122	0.7%

RECEIVED
OCT 21 2008
IDWR/North

Table 2. Estimated Number of Operating Hours at Base Load plus Duct Firing Condition

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1973	290	148	24	35	66	229	390	352	136	14	202	114	2,000
1974	242	91	65	18	87	310	339	371	179	42	76	180	2,000
1975	268	226	36	7	85	229	396	303	199	32	116	103	2,000
1976	257	132	108	32	100	189	370	296	204	50	104	158	2,000
1977	373	108	19	102	46	284	320	323	93	8	111	213	2,000
1978	162	61	42	21	63	290	351	285	134	53	237	301	2,000
1979	450	119	23	35	79	226	351	334	160	69	127	27	2,000
1980	348	95	45	60	101	181	380	302	141	80	106	161	2,000
1981	258	196	56	49	81	164	331	397	119	27	76	246	2,000
1982	263	148	15	41	99	281	316	354	123	4	151	205	2,000
1983	124	111	21	43	161	234	304	376	146	38	86	356	2,000
1984	161	81	8	4	51	228	401	395	126	110	83	352	2,000
1985	242	120	9	28	105	234	409	281	50	5	246	271	2,000
1986	207	206	12	25	105	300	269	370	79	34	97	296	2,000
1987	276	78	22	69	117	284	275	298	190	69	90	232	2,000
1988	343	120	32	17	76	196	323	349	115	91	87	251	2,000
1989	212	281	60	21	82	292	350	283	172	35	54	158	2,000
1990	174	206	57	28	53	201	365	336	232	22	81	245	2,000
1991	311	47	82	33	55	147	370	380	200	120	126	129	2,000
1992	230	35	12	49	154	298	282	326	121	27	111	355	2,000
1993	308	211	33	0	143	243	222	317	196	59	150	118	2,000
1994	106	243	47	8	113	207	367	341	162	23	182	201	2,000
1995	240	113	80	28	152	219	375	308	149	36	78	222	2,000
1996	247	151	78	31	40	265	396	357	121	71	95	148	2,000
1997	247	175	58	24	94	210	351	374	189	18	33	227	2,000
1998	217	73	58	59	99	239	417	352	178	29	39	240	2,000
1999	224	140	80	57	117	224	323	369	144	27	54	241	2,000
2000	264	67	13	40	76	266	344	357	66	20	247	240	2,000
2001	281	218	25	32	125	170	342	358	163	19	20	247	2,000
2002	259	159	150	19	89	265	393	350	139	70	101	6	2,000
2003	178	126	42	8	60	250	376	327	167	84	225	157	2,000
2004	292	208	38	23	47	215	378	304	128	43	98	226	2,000
2005	251	119	16	59	101	191	375	352	130	2	105	299	2,000
2006	116	187	77	23	37	225	383	334	172	29	115	302	2,000
2007	315	68	24	18	91	194	401	325	130	20	164	250	2,000

RECEIVED
OCT 21 2008
IDWR/North

Table 3. Estimated Hours of Inlet Fogging at Rathdrum Power

Year	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
1973	0	61	97	301	233	74	0	766
1974	0	0	192	218	221	107	0	738
1975	0	23	45	295	134	95	10	602
1976	0	28	57	211	135	110	7	548
1977	36	10	170	189	290	14	0	709
1978	0	3	129	217	152	29	0	530
1979	0	26	147	283	250	99	22	827
1980	18	19	30	255	154	59	21	556
1981	7	5	32	190	300	106	0	640
1982	0	27	183	211	238	76	0	735
1983	0	106	74	140	288	37	0	645
1984	7	14	68	269	280	59	13	710
1985	1	67	131	410	141	2	0	752
1986	0	92	190	141	328	28	0	779
1987	27	57	174	163	202	135	14	772
1988	10	40	117	252	237	96	34	786
1989	0	17	140	260	123	71	0	611
1990	0	13	107	276	197	165	0	758
1991	0	0	17	257	255	123	16	668
1992	6	103	224	199	275	53	13	873
1993	0	94	70	36	140	95	13	448
1994	6	57	109	348	241	121	0	882
1995	0	43	85	213	143	99	0	583
1996	0	0	82	287	211	48	4	632
1997	0	38	47	229	284	82	6	686
1998	15	40	69	381	297	152	1	955
1999	0	32	68	186	256	92	0	634
2000	0	4	94	238	215	44	0	595
2001	2	76	61	224	282	118	4	767
2002	0	4	120	294	215	66	0	699
2003	0	35	149	342	276	104	31	937
2004	4	7	141	326	252	31	4	765
2005	8	41	67	267	262	35	0	680
2006	1	64	102	351	262	105	0	885
2007	0	48	110	394	233	84	1	870

Table 4. Cooling Tower Air Exit Temperature and Liquid to Gas Ratio at Stated Inlet Wet Bulb Temperature

Inlet Wet Bulb	Main Tower				Wastewater Tower		L/G	
	Base Operations		Base + Duct		Cooling Range	Exit Wet Bulb	Main Tower	WW Tower
	Cooling Range	Exit Wet Bulb	Cooling Range	Exit Wet Bulb				
(3)	20.33	75.14	23.33	80.56	15.4	38.25	1.98	0.95
2	20.43	76.71	23.43	81.94	15.4	41.25	1.49	0.95
6	20.33	67.23	23.33	72.19	13.6	40.20	1.49	0.95
11	20.25	68.89	23.25	73.67	13.6	43.33	1.49	0.95
16	20.19	70.62	23.19	75.21	13.6	46.44	1.49	0.95
21	20.13	72.39	23.13	76.79	13.6	49.54	1.49	0.95
26	20.07	74.18	23.07	78.41	13.6	52.65	1.49	0.95
30	20.01	75.64	23.01	79.74	13.6	55.16	1.49	0.95
34	19.97	77.18	22.97	81.13	13.6	57.68	1.49	0.95
38	19.89	73.00	22.89	76.51	11.7	57.68	1.19	0.95
42	19.80	74.83	22.80	78.20	11.7	60.41	1.19	0.95
45	19.72	76.23	22.72	79.49	11.7	62.48	1.19	0.95
48	19.65	77.68	22.65	80.82	11.7	64.57	1.19	0.95
51	19.58	79.16	22.58	82.20	11.7	66.69	1.19	0.95
53	19.50	80.14	22.50	83.11	11.7	68.12	1.19	0.95
55	19.42	81.14	22.42	84.03	11.7	69.56	1.19	0.95
57	19.34	82.16	22.34	84.98	11.7	71.00	1.19	0.95
59	19.27	83.21	22.27	85.96	11.7	72.47	1.19	0.95
61	19.17	84.25	22.17	86.93	11.7	73.94	1.19	0.95
62	19.08	84.75	22.08	87.40	11.7	74.68	1.19	0.95
63	18.97	85.23	21.97	87.85	11.7	75.43	1.19	0.95
66	18.90	86.94	21.90	89.45	11.7	77.68	1.19	0.95
70	18.55	89.09	21.55	91.47	11.7	80.74	1.19	0.95

Note: Values at wet bulb temperatures between those stated by the manufacturer were obtained by linear interpolation between the data points.

Circulating water flow rates to the Main Tower is 58,420 gpm.

Circulating water flow rates to the Wastewater Tower is 3,000 gpm.

RECEIVED
OCT 21 2008
IDWR/North

Table 5. Process/Service Water Usage at Rathdrum Power

Item	Value	Units
... Service water to multi-media filters	40.0	gpm
... Filtered water to RO	35.0	gpm
... Filtered water to multiple in-plant uses	5.0	gpm
Service water waste streams recycled to cooling tower		
... Filter Backwash to Cooling Tower	0.4	gpm
... RO Concentrate to CT	8.8	gpm
... Plant Drains to CT	15.6	gpm
... Net Boiler Blowdown to CT	10.0	gpm
... Total recycle to cooling towers	34.8	gpm
... Service water losses as steam, sanitary wastewater (to Rathdrum POTW), or chemically bound to solids	5.3	gpm
For Inlet Fogging		
... Fogging begins with dry bulb temperature is above	75.0	°F
... Fogging application rate (i.e., RO permeate rate for this supply)	49.00	gpm
... RO feed rate for fogging	61.25	gpm
... RO reject from this application (recycled to cooling tower)	12.25	gpm
Base Operations		
... Service water makeup	40.0	
... Total recycle to Cooling Tower	34.8	
... Net Makeup	5.3	
Base + Fogging Operations		
... Service water makeup	101.25	
... Total recycle to Cooling Tower	47.00	
... Net Makeup	54.25	

RECEIVED
OCT 21 2008
IDWR/North

Table 6. Summary of Results from the Hourly Groundwater Withdrawal Model - all values are in "acre-ft"

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1973	107.1	98.5	111.0	86.8	94.9	137.7	166.5	160.0	96.2	83.5	104.1	105.4	1,351.8
1974	106.1	96.7	109.7	78.8	92.7	144.3	151.0	153.6	101.3	88.3	101.2	105.7	1,329.6
1975	103.4	94.7	106.6	79.3	93.0	131.7	154.9	143.5	100.6	83.3	102.3	102.4	1,295.7
1976	106.4	100.0	109.2	83.0	92.8	129.6	155.3	139.8	101.4	85.0	102.8	103.3	1,308.6
1977	104.4	96.8	109.1	95.2	90.8	142.2	152.9	156.8	86.6	82.3	102.4	102.5	1,322.1
1978	102.8	96.8	109.6	80.7	91.0	137.8	149.4	143.7	91.2	86.8	103.4	102.2	1,295.5
1979	102.3	93.9	110.8	82.9	93.4	140.4	159.3	154.0	98.8	91.0	100.7	104.5	1,331.9
1980	106.0	97.9	107.7	84.0	90.7	123.6	154.7	144.9	92.2	87.6	100.6	103.8	1,293.8
1981	108.0	97.1	109.6	81.5	89.2	123.3	144.9	158.8	91.6	83.7	103.7	106.2	1,297.6
1982	107.0	96.1	109.9	84.3	97.2	139.9	146.9	153.7	92.8	80.6	101.6	104.5	1,314.3
1983	107.9	96.0	106.9	81.4	103.3	131.7	141.9	156.8	96.5	89.4	104.7	101.8	1,318.1
1984	104.9	98.3	107.4	78.4	87.5	127.1	155.4	157.3	92.0	87.2	101.6	103.4	1,300.3
1985	99.1	91.4	106.0	85.2	95.8	139.5	172.6	147.9	88.4	84.0	98.4	99.6	1,308.0
1986	106.0	97.5	108.4	82.3	97.2	144.4	145.2	164.9	88.9	84.8	102.3	105.7	1,327.6
1987	105.4	96.3	108.7	90.1	98.9	142.3	144.8	148.6	104.3	93.2	102.3	102.8	1,337.8
1988	106.1	101.4	110.3	81.0	92.6	131.2	157.1	157.9	95.9	90.0	102.1	104.1	1,329.6
1989	104.9	94.0	106.0	83.1	91.8	140.2	154.6	141.3	97.5	84.6	101.5	102.9	1,302.5
1990	107.2	96.7	112.1	83.4	89.6	130.4	155.6	147.9	107.3	84.9	104.9	103.3	1,323.3
1991	105.3	95.9	108.8	82.2	90.1	122.9	153.8	155.0	103.6	91.7	101.7	104.6	1,315.6
1992	106.6	97.6	112.8	85.2	105.3	146.4	147.0	159.1	96.4	87.0	100.6	104.9	1,348.8
1993	104.3	94.9	107.5	77.7	96.3	132.2	129.1	143.3	100.6	89.3	102.5	102.5	1,280.3
1994	106.2	98.1	113.7	81.4	97.9	134.7	165.7	157.7	102.0	86.4	104.1	104.8	1,352.5
1995	106.0	98.3	110.7	84.3	100.5	129.0	151.1	145.0	94.8	80.7	103.0	104.2	1,307.7
1996	103.4	96.9	107.5	79.8	86.5	133.9	157.1	153.4	90.7	83.3	99.9	99.8	1,292.3
1997	105.1	95.3	109.7	80.1	92.1	127.7	147.9	155.5	98.9	83.7	102.7	104.4	1,303.1
1998	107.5	97.4	109.7	84.6	93.8	133.9	160.9	159.3	102.6	84.2	102.8	106.1	1,342.7
1999	109.7	98.2	112.2	83.8	96.3	132.1	150.5	152.4	98.2	88.1	103.8	106.6	1,331.8
2000	105.7	97.1	107.9	84.0	90.7	135.1	152.2	155.5	86.3	83.5	101.9	101.5	1,301.4
2001	104.8	94.8	108.7	80.4	101.2	128.0	152.8	158.7	100.7	84.7	101.4	105.6	1,321.8
2002	106.9	96.5	108.3	83.0	91.8	134.9	158.1	153.0	95.9	84.7	102.2	100.8	1,316.2
2003	105.8	96.2	109.5	80.8	94.1	140.7	166.7	157.2	103.7	92.9	103.4	102.7	1,353.8
2004	105.7	100.4	113.9	84.7	90.9	135.1	160.4	150.0	93.4	85.1	102.3	106.6	1,328.6
2005	105.3	97.9	111.9	87.4	95.9	128.9	157.4	158.7	97.5	80.5	100.9	103.7	1,326.0
2006	105.4	97.2	109.6	83.6	92.3	134.8	165.6	158.5	102.6	86.7	104.9	106.9	1,348.1
2007	105.8	96.2	111.0	83.6	96.4	136.2	167.8	156.1	97.3	84.5	105.1	105.9	1,346.0
Average	105.6	96.8	109.5	83.1	94.1	134.4	154.5	153.1	96.8	85.9	102.4	103.9	1,320.1
Std Dev	1.86	1.89	2.02	3.36	4.27	6.20	8.56	6.24	5.36	3.29	1.50	1.89	19.96
Min	99.1	91.4	106.0	77.7	86.5	122.9	129.1	139.8	86.3	80.5	98.4	99.6	1,280.3
Max	109.7	101.4	113.9	95.2	105.3	146.4	172.6	164.9	107.3	93.2	105.1	106.9	1,353.8

RECEIVED
OCT 21 2008
IDWR/North

Table 7. Estimated Maximum Withdrawals for Each 25-Year Period in the 10,000-Year Monte Carlo Simulation (Page 1 of 2)

Simulation Year:			Simulation Year:			Simulation Year:			Simulation Year:		
Start	End	Maximum Withdrawal	Start	End	Maximum Withdrawal	Start	End	Maximum Withdrawal	Start	End	Maximum Withdrawal
1	25	1,391.0	1,251	1,275	1,396.5	2,501	2,525	1,408.2	3,751	3,775	1,425.5
26	50	1,398.1	1,276	1,300	1,404.3	2,526	2,550	1,398.0	3,776	3,800	1,412.8
51	75	1,440.4	1,301	1,325	1,379.6	2,551	2,575	1,379.6	3,801	3,825	1,414.3
76	100	1,370.2	1,326	1,350	1,414.5	2,576	2,600	1,425.8	3,826	3,850	1,392.2
101	125	1,423.6	1,351	1,375	1,446.5	2,601	2,625	1,397.7	3,851	3,875	1,382.7
126	150	1,402.3	1,376	1,400	1,420.1	2,626	2,650	1,477.9	3,876	3,900	1,353.5
151	175	1,415.7	1,401	1,425	1,406.7	2,651	2,675	1,422.7	3,901	3,925	1,410.4
176	200	1,372.1	1,426	1,450	1,377.2	2,676	2,700	1,411.5	3,926	3,950	1,397.8
201	225	1,383.7	1,451	1,475	1,418.9	2,701	2,725	1,431.1	3,951	3,975	1,381.6
226	250	1,405.5	1,476	1,500	1,397.2	2,726	2,750	1,451.3	3,976	4,000	1,424.5
251	275	1,391.7	1,501	1,525	1,377.1	2,751	2,775	1,408.1	4,001	4,025	1,382.0
276	300	1,406.5	1,526	1,550	1,440.5	2,776	2,800	1,401.7	4,026	4,050	1,395.2
301	325	1,413.0	1,551	1,575	1,422.1	2,801	2,825	1,397.7	4,051	4,075	1,416.3
326	350	1,457.8	1,576	1,600	1,358.6	2,826	2,850	1,395.3	4,076	4,100	1,402.1
351	375	1,415.9	1,601	1,625	1,452.9	2,851	2,875	1,405.2	4,101	4,125	1,441.3
376	400	1,423.0	1,626	1,650	1,442.4	2,876	2,900	1,395.8	4,126	4,150	1,408.2
401	425	1,386.2	1,651	1,675	1,355.5	2,901	2,925	1,435.1	4,151	4,175	1,432.8
426	450	1,399.5	1,676	1,700	1,428.5	2,926	2,950	1,439.0	4,176	4,200	1,464.8
451	475	1,450.3	1,701	1,725	1,409.1	2,951	2,975	1,412.5	4,201	4,225	1,404.4
476	500	1,421.3	1,726	1,750	1,408.4	2,976	3,000	1,402.1	4,226	4,250	1,376.6
501	525	1,420.7	1,751	1,775	1,413.9	3,001	3,025	1,408.1	4,251	4,275	1,439.4
526	550	1,441.3	1,776	1,800	1,419.6	3,026	3,050	1,390.6	4,276	4,300	1,376.4
551	575	1,397.7	1,801	1,825	1,402.4	3,051	3,075	1,424.4	4,301	4,325	1,419.3
576	600	1,402.8	1,826	1,850	1,482.3	3,076	3,100	1,382.2	4,326	4,350	1,427.8
601	625	1,398.9	1,851	1,875	1,431.3	3,101	3,125	1,446.2	4,351	4,375	1,435.1
626	650	1,419.6	1,876	1,900	1,410.1	3,126	3,150	1,406.4	4,376	4,400	1,385.6
651	675	1,415.6	1,901	1,925	1,418.0	3,151	3,175	1,384.0	4,401	4,425	1,427.0
676	700	1,425.5	1,926	1,950	1,365.9	3,176	3,200	1,402.5	4,426	4,450	1,382.8
701	725	1,402.7	1,951	1,975	1,390.2	3,201	3,225	1,382.3	4,451	4,475	1,398.0
726	750	1,438.1	1,976	2,000	1,394.0	3,226	3,250	1,419.6	4,476	4,500	1,404.6
751	775	1,420.8	2,001	2,025	1,381.9	3,251	3,275	1,425.6	4,501	4,525	1,432.8
776	800	1,452.6	2,026	2,050	1,387.6	3,276	3,300	1,399.5	4,526	4,550	1,385.7
801	825	1,382.8	2,051	2,075	1,426.9	3,301	3,325	1,390.5	4,551	4,575	1,378.9
826	850	1,440.2	2,076	2,100	1,407.7	3,326	3,350	1,398.2	4,576	4,600	1,379.6
851	875	1,388.8	2,101	2,125	1,401.1	3,351	3,375	1,422.1	4,601	4,625	1,445.8
876	900	1,428.8	2,126	2,150	1,399.8	3,376	3,400	1,408.8	4,626	4,650	1,416.2
901	925	1,368.1	2,151	2,175	1,397.8	3,401	3,425	1,404.4	4,651	4,675	1,385.8
926	950	1,432.8	2,176	2,200	1,408.7	3,426	3,450	1,392.6	4,676	4,700	1,387.4
951	975	1,453.5	2,201	2,225	1,400.9	3,451	3,475	1,422.7	4,701	4,725	1,416.3
976	1,000	1,432.9	2,226	2,250	1,436.9	3,476	3,500	1,378.6	4,726	4,750	1,418.5
1,001	1,025	1,400.4	2,251	2,275	1,416.6	3,501	3,525	1,413.7	4,751	4,775	1,429.1
1,026	1,050	1,393.8	2,276	2,300	1,441.1	3,526	3,550	1,423.5	4,776	4,800	1,397.4
1,051	1,075	1,413.6	2,301	2,325	1,460.8	3,551	3,575	1,404.6	4,801	4,825	1,452.0
1,076	1,100	1,408.1	2,326	2,350	1,440.0	3,576	3,600	1,402.9	4,826	4,850	1,413.7
1,101	1,125	1,391.7	2,351	2,375	1,415.4	3,601	3,625	1,432.5	4,851	4,875	1,417.8
1,126	1,150	1,475.9	2,376	2,400	1,400.6	3,626	3,650	1,362.0	4,876	4,900	1,454.2
1,151	1,175	1,412.9	2,401	2,425	1,392.0	3,651	3,675	1,377.7	4,901	4,925	1,442.4
1,176	1,200	1,408.7	2,426	2,450	1,458.1	3,676	3,700	1,387.3	4,926	4,950	1,417.7
1,201	1,225	1,394.1	2,451	2,475	1,384.7	3,701	3,725	1,386.6	4,951	4,975	1,401.7
1,226	1,250	1,405.8	2,476	2,500	1,394.9	3,726	3,750	1,481.0	4,976	5,000	1,403.3

RECEIVED
OCT 21 2008
IDWR/North

Table 7. Estimated Maximum Withdrawals for Each 25-Year Period in the 10,000-Year Monte Carlo Simulation (Page 2 of 2)

Simulation Year:			Simulation Year:			Simulation Year:			Simulation Year:		
Start	End	Maximum Withdrawal	Start	End	Maximum Withdrawal	Start	End	Maximum Withdrawal	Start	End	Maximum Withdrawal
5.001	5.025	1,411.5	6.251	6.275	1,460.4	7.501	7.525	1,405.2	8.751	8.775	1,421.1
5.026	5.050	1,406.5	6.276	6.300	1,388.2	7.526	7.550	1,398.3	8.776	8.800	1,415.0
5.051	5.075	1,436.1	6.301	6.325	1,394.6	7.551	7.575	1,417.6	8.801	8.825	1,436.8
5.076	5.100	1,397.5	6.326	6.350	1,378.9	7.576	7.600	1,439.4	8.826	8.850	1,401.4
5.101	5.125	1,473.8	6.351	6.375	1,450.5	7.601	7.625	1,398.7	8.851	8.875	1,433.3
5.126	5.150	1,401.8	6.376	6.400	1,416.0	7.626	7.650	1,423.8	8.876	8.900	1,383.1
5.151	5.175	1,423.6	6.401	6.425	1,378.0	7.651	7.675	1,394.8	8.901	8.925	1,417.4
5.176	5.200	1,442.8	6.426	6.450	1,417.4	7.676	7.700	1,410.0	8.926	8.950	1,407.8
5.201	5.225	1,413.5	6.451	6.475	1,412.9	7.701	7.725	1,388.0	8.951	8.975	1,379.4
5.226	5.250	1,421.5	6.476	6.500	1,464.3	7.726	7.750	1,404.0	8.976	9.000	1,404.8
5.251	5.275	1,430.9	6.501	6.525	1,372.3	7.751	7.775	1,413.7	9.001	9.025	1,390.3
5.276	5.300	1,392.8	6.526	6.550	1,412.7	7.776	7.800	1,416.7	9.026	9.050	1,414.6
5.301	5.325	1,388.3	6.551	6.575	1,444.4	7.801	7.825	1,411.7	9.051	9.075	1,357.9
5.326	5.350	1,432.2	6.576	6.600	1,388.9	7.826	7.850	1,426.1	9.076	9.100	1,395.8
5.351	5.375	1,376.0	6.601	6.625	1,403.2	7.851	7.875	1,420.5	9.101	9.125	1,401.9
5.376	5.400	1,425.5	6.626	6.650	1,411.3	7.876	7.900	1,394.4	9.126	9.150	1,481.1
5.401	5.425	1,409.9	6.651	6.675	1,379.0	7.901	7.925	1,441.1	9.151	9.175	1,398.8
5.426	5.450	1,410.7	6.676	6.700	1,425.4	7.926	7.950	1,399.9	9.176	9.200	1,442.9
5.451	5.475	1,416.7	6.701	6.725	1,399.3	7.951	7.975	1,369.6	9.201	9.225	1,424.5
5.476	5.500	1,442.5	6.726	6.750	1,417.6	7.976	8.000	1,436.4	9.226	9.250	1,398.7
5.501	5.525	1,410.1	6.751	6.775	1,411.4	8.001	8.025	1,425.7	9.251	9.275	1,412.9
5.526	5.550	1,465.9	6.776	6.800	1,439.0	8.026	8.050	1,398.3	9.276	9.300	1,445.2
5.551	5.575	1,426.7	6.801	6.825	1,445.0	8.051	8.075	1,465.2	9.301	9.325	1,403.8
5.576	5.600	1,397.4	6.826	6.850	1,412.2	8.076	8.100	1,413.4	9.326	9.350	1,421.4
5.601	5.625	1,403.9	6.851	6.875	1,405.1	8.101	8.125	1,412.4	9.351	9.375	1,419.9
5.626	5.650	1,401.2	6.876	6.900	1,373.3	8.126	8.150	1,391.3	9.376	9.400	1,420.5
5.651	5.675	1,414.8	6.901	6.925	1,416.1	8.151	8.175	1,425.8	9.401	9.425	1,405.0
5.676	5.700	1,388.9	6.926	6.950	1,416.0	8.176	8.200	1,410.1	9.426	9.450	1,402.7
5.701	5.725	1,409.2	6.951	6.975	1,371.0	8.201	8.225	1,390.5	9.451	9.475	1,437.3
5.726	5.750	1,410.1	6.976	7.000	1,432.7	8.226	8.250	1,381.3	9.476	9.500	1,405.8
5.751	5.775	1,453.8	7.001	7.025	1,431.8	8.251	8.275	1,495.7	9.501	9.525	1,406.7
5.776	5.800	1,416.0	7.026	7.050	1,376.0	8.276	8.300	1,430.1	9.526	9.550	1,417.8
5.801	5.825	1,398.5	7.051	7.075	1,399.9	8.301	8.325	1,416.6	9.551	9.575	1,415.1
5.826	5.850	1,364.5	7.076	7.100	1,389.9	8.326	8.350	1,410.1	9.576	9.600	1,422.4
5.851	5.875	1,390.2	7.101	7.125	1,447.3	8.351	8.375	1,389.1	9.601	9.625	1,394.0
5.876	5.900	1,416.0	7.126	7.150	1,384.2	8.376	8.400	1,391.2	9.626	9.650	1,384.1
5.901	5.925	1,367.6	7.151	7.175	1,436.8	8.401	8.425	1,404.0	9.651	9.675	1,423.2
5.926	5.950	1,392.0	7.176	7.200	1,422.7	8.426	8.450	1,403.6	9.676	9.700	1,371.5
5.951	5.975	1,396.7	7.201	7.225	1,415.8	8.451	8.475	1,388.0	9.701	9.725	1,431.5
5.976	6.000	1,392.3	7.226	7.250	1,394.2	8.476	8.500	1,383.8	9.726	9.750	1,396.9
6.001	6.025	1,421.2	7.251	7.275	1,426.3	8.501	8.525	1,437.6	9.751	9.775	1,438.3
6.026	6.050	1,373.4	7.276	7.300	1,393.6	8.526	8.550	1,398.7	9.776	9.800	1,398.8
6.051	6.075	1,396.5	7.301	7.325	1,446.3	8.551	8.575	1,405.4	9.801	9.825	1,416.9
6.076	6.100	1,432.2	7.326	7.350	1,428.7	8.576	8.600	1,418.7	9.826	9.850	1,394.1
6.101	6.125	1,417.1	7.351	7.375	1,417.4	8.601	8.625	1,443.9	9.851	9.875	1,380.0
6.126	6.150	1,401.8	7.376	7.400	1,411.2	8.626	8.650	1,428.1	9.876	9.900	1,408.8
6.151	6.175	1,415.4	7.401	7.425	1,425.8	8.651	8.675	1,397.5	9.901	9.925	1,386.1
6.176	6.200	1,408.8	7.426	7.450	1,423.6	8.676	8.700	1,391.0	9.926	9.950	1,430.6
6.201	6.225	1,373.1	7.451	7.475	1,416.4	8.701	8.725	1,402.5	9.951	9.975	1,420.8
6.226	6.250	1,429.3	7.476	7.500	1,389.6	8.726	8.750	1,399.2	9.976	10.000	1,430.6

Table 8. Estimation of Annual Water Withdrawals Under Maximum Contract Conditions using the Log-Pearson Type III Distribution

RECEIVED
OCT 21 2008
IDWR/North

Data Statistics:

Average	1,411	AF/year
Minimum	1,354	AF/year
Maximum	1,496	AF/year
Standard Deviation	23	AF/year
Number of Observations	400	

Probability that Rathdrum Power Will NOT Exceed the Withdrawal in a 25-year Period	Annual Withdrawal (AF/year)
1%	1,364
50%	1,409
80%	1,430
90%	1,442
96%	1,455
98%	1,465
99%	1,473
99.5%	1,482

