

Salt Pond Watchers' Data Management Protocol Volume 3

Appendix B.

Working files for generating and updating data summaries

1. Ninigret Med FEC 91: Example of file used in calculating medians and geometric means for fecal coliform data for one year's data.
2. POINT JUDITH Cum BACT 85-91 EX: Example of file used in calculating medians and geometric means for the whole time-span of the data set.
3. 1991 Av May-Nov Water Chem Example: Example of a file used in calculating average water chemistry values for one year's data during the normal sampling season, May through November. Note that average temperature is calculated both for the whole May-November period and July-August alone.
4. 1991 av Winter Water Chem ex: Example of a file used for calculating average water chemistry values for one year's data during winter. Averages for Dec-Feb and Mar-Apr are calculated separately.
5. PJ Mean H2O Chem 85-91 ex: Example of a file used for calculating average water chemistry values for the May-November period over the whole time-span of the data set. Note that on page 6, two sets of average values for the whole pond are calculated, including and excluding Sta. PJ1.

1. **Ninigret Med FEC 91: Example of file used in calculating medians and geometric means for fecal coliform data for one year's data.**

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	4	11-Jul-91	5	1.61							
4	4	8-Aug-91	5	1.61							
5	4	4-Sep-91	5	1.61							
6	4	2-Oct-91	5	1.61							
7	4	13-Jun-91	18	2.89							
8	4	25-Jul-91	18	2.89							
9	4	15-Sep-91	18	2.89							
10	4	30-Oct-91	110	4.70							
11											
12	Sta		Years	# FEC	G Mean FEC	Med FEC	%50 FEC	# TOT	G Mean TOT	Med TOT	%330 TOT
13	4	SA	1991	8	11.90	12	13				
14											
15	5	27-Jun-91	5	1.61							
16	5	8-Aug-91	5	1.61							
17	5	4-Sep-91	5	1.61							
18	5	2-Oct-91	5	1.61							
19	5	25-Jul-91	18	2.89							
20	5	30-Oct-91	41	3.71							
21	5	17-Nov-91	69	4.23							
22											
23	Sta		Years	# FEC	G Mean FEC	Med FEC	%50 FEC	# TOT	G Mean TOT	Med TOT	%330 TOT
24	5	SA	1991	7	11.80	5	13	0			
25											
26	7	25-Jul-91	5	1.61							
27	7	7-Aug-91	5	1.61							
28	7	4-Sep-91	5	1.61							
29	7	15-Sep-91	5	1.61							
30	7	2-Oct-91	5	1.61							
31	7	17-Oct-91	5	1.61							
32											
33	Sta		Years	# FEC	G Mean FEC	Med FEC	%50 FEC	# TOT	G Mean TOT	Med TOT	%330 TOT
34	7	SA	1991	6	5.00	5	0	0			
35											
36	10	13-Jun-91	5	1.61							
37	10	27-Jun-91	5	1.61							
38	10	8-Aug-91	5	1.61							
39	10	4-Sep-91	5	1.61							
40	10	15-Sep-91	5	1.61							
41	10	2-Oct-91	5	1.61							
42	10	13-Jul-91	18	2.89							
43	10	17-Oct-91	29	3.37							
44	10	30-Oct-91	68	4.48							
45	10	25-Jul-91	110	4.70							
46											
47	Sta		Years	# FEC	G Mean FEC	Med FEC	%50 FEC	# TOT	G Mean TOT	Med TOT	%330 TOT
48	10	SA	1991	10	12.30	5	20	0			
49											
50	11	8-Aug-91	5	1.61							
51	11	13-Jun-91	9	2.20							
52	11	4-Sep-91	9	2.20							
53	11	17-Oct-91	9	2.20							
54	11	11-Jul-91	18	2.89							
55	11	25-Jul-91	41	3.71							
56	11	27-Jun-91	54	3.99							
57	11	15-Sep-91	54	3.99							
58	11	2-Oct-91	110	4.70							
59	11	30-Oct-91	248	5.51							
60											
61	Sta		Years	# FEC	G Mean FEC	Med FEC	%50 FEC	# TOT	G Mean TOT	Med TOT	%330 TOT
62	11	SA	1991	10	27.10	30	40	0			
63											
64	12	27-Jun-91	5	1.61							
65	12	8-Aug-91	5	1.61							
66	12	13-Jun-91	9	2.20							
67	12	11-Jul-91	18	2.89							
68	12	4-Sep-91	29	3.37							
69	12	25-Jul-91	41	3.71							
70	12	17-Oct-91	54	3.99							
71	12	30-Oct-91	110	4.70							
72	12	15-Sep-91	139	4.93							
73	12	2-Oct-91	249	5.52							
74											
75	Sta		Years	# FEC	G Mean FEC	Med FEC	%50 FEC	# TOT	G Mean TOT	Med TOT	%330 TOT
76	12	SA	1991	10	31.59	35	40	0			

2. POINT JUDITH Cum BACT 85-91 EX: Example of file used in calculating medians and geometric means for the whole time-span of the data set.

POINTJUDITH Cum BACT D 85-91 EX

POND	AREA	OLDBT	NEWBT	DATE	FECAL	LN FEC	TOTAL	LN FEC
PJ	NB	1	1	17-Oct-88	4	1.39	23	3.14
PJ	NB	1	1	31-Oct-88	4	1.39	75	4.32
PJ	NB	1	1	13-Jun-88	23	3.14	75	4.32
PJ	NB	1	1	18-May-88	43	3.78	93	4.53
PJ	NB	1	1	10-Aug-88	23	3.14	120	4.79
PJ	NB	1	1	3-Oct-88	240	5.48	240	5.48
PJ	NB	1	1	19-Sep-88	200	5.30	750	6.82
PJ	NB	1	1	27-Jun-88	240	5.48	1100	7.00
PJ	NB	1	1	25-Jul-88	240	5.48	1100	7.00
PJ	NB	1	1	14-Nov-88	750	6.82	1500	7.31
PJ	NB	1	1	22-Aug-88	930	6.84	1500	7.31
PJ	NB	1	1	11-Jul-88	1100	7.00	2400	7.78
PJ	NB	1	1	13-May-87	3	1.10	.	.
PJ	NB	1	1	19-Oct-87	7	1.95	.	.
PJ	NB	1	1	27-May-87	9	2.20	.	.
PJ	NB	1	1	27-Jul-87	9	2.20	.	.
PJ	NB	1	1	24-Aug-87	9	2.20	.	.
PJ	NB	1	1	29-Jun-87	39	3.68	.	.
PJ	NB	1	1	10-Jun-87	41	3.71	.	.
PJ	NB	1	1	5-Oct-87	43	3.76	.	.
PJ	NB	1	1	13-Jul-87	93	4.53	.	.
PJ	NB	1	1	21-Sep-87	93	4.53	.	.
Sta	Years	# FEC	G Mean FEC	Med FEC	%500 FEC	%80 FEC	# TOT	G Mean TOT
PJ 1	1987-88	22	56.83	42	14	41	12	330.49
PJ	NB	1	1A	8-Jul-85	4	1.39	.	.
PJ	NB	1	1A	21-Oct-85	7	1.95	.	.
PJ	NB	1	1A	5-May-86	9	2.20	.	.
PJ	NB	1	1A	18-Sep-85	15	2.71	.	.
PJ	NB	1	1A	19-May-86	15	2.71	.	.
PJ	NB	1	1A	5-Aug-85	23	3.14	.	.
PJ	NB	1	1A	22-Sep-86	28	3.33	.	.
PJ	NB	1	1A	30-Sep-85	39	3.68	.	.
PJ	NB	1	1A	22-Jul-85	43	3.76	.	.
PJ	NB	1	1A	19-Aug-85	43	3.76	.	.
PJ	NB	1	1A	28-Oct-85	43	3.76	.	.
PJ	NB	1	1A	16-Jun-86	43	3.76	.	.
PJ	NB	1	1A	8-Sep-86	43	3.76	.	.
PJ	NB	1	1A	25-Aug-86	93	4.53	.	.
PJ	NB	1	1A	6-Oct-86	93	4.53	.	.
PJ	NB	1	1A	2-Jun-86	150	5.01	.	.
PJ	NB	1	1A	20-Oct-86	150	5.01	.	.
PJ	NB	1	1A	12-Aug-86	240	5.48	.	.
PJ	NB	1	1A	30-Jun-86	390	5.97	.	.
PJ	NB	1	1A	28-Jul-86	390	5.97	.	.
PJ	NB	1	1A	14-Jul-86	430	6.06	.	.
PJ	NB	1	1A	3-Sep-85	750	6.82	.	.
Sta	Years	# FEC	G Mean FEC	Med FEC	%500 FEC	%80 FEC	# TOT	G Mean TOT
PJ 1A	1987-88	22	69.49	43	5	41	0	
PJ	NB	2	2	13-May-87	23	.	.	.
PJ	NB	2	2	27-May-87	18	.	.	.
PJ	NB	2	2	10-Jun-87	88	.	.	.
PJ	NB	2	2	29-Jun-87	4	.	.	.
PJ	NB	2	2	13-Jul-87	15	.	.	.
PJ	NB	2	2	27-Jul-87	21	.	.	.
PJ	NB	2	2	24-Aug-87	9	.	.	.
PJ	NB	2	2	21-Sep-87	43	.	.	.
PJ	NB	2	2	5-Oct-87	93	.	.	.
PJ	NB	2	2	19-Oct-87	21	.	.	.
PJ	NB	2	2	16-May-88	150	.	460	.
PJ	NB	2	2	13-Jun-88	460	.	460	.

POINTJUDITH Cum BACT D 85-91 EX

POND	AREA	OLDST	NEWST	DATE	FECAL	LN FEC	TOTAL	LN FEC
PJ	NB	1	1	17-Oct-88	4	1.39	23	3.14
PJ	NB	1	1	31-Oct-88	4	1.39	75	4.32
PJ	NB	1	1	13-Jun-88	23	3.14	75	4.32
PJ	NB	1	1	16-May-88	43	3.76	93	4.53
PJ	NB	1	1	10-Aug-88	23	3.14	120	4.79
PJ	NB	1	1	3-Oct-88	240	5.48	240	5.48
PJ	NB	1	1	19-Sep-88	200	5.30	750	6.62
PJ	NB	1	1	27-Jun-88	240	5.48	1100	7.00
PJ	NB	1	1	25-Jul-88	240	5.48	1100	7.00
PJ	NB	1	1	14-Nov-88	750	6.62	1500	7.31
PJ	NB	1	1	22-Aug-88 ⁺	930	6.84	1500	7.31
PJ	NB	1	1	11-Jul-88	1100	7.00	2400	7.78
PJ	NB	1	1	13-May-87	3	1.10	.	.
PJ	NB	1	1	19-Oct-87	7	1.95	.	.
PJ	NB	1	1	27-May-87	9	2.20	.	.
PJ	NB	1	1	27-Jul-87	9	2.20	.	.
PJ	NB	1	1	24-Aug-87	9	2.20	.	.
PJ	NB	1	1	29-Jun-87	39	3.66	.	.
PJ	NB	1	1	10-Jun-87	41	3.71	.	.
PJ	NB	1	1	5-Oct-87	43	3.76	.	.
PJ	NB	1	1	13-Jul-87	93	4.53	.	.
PJ	NB	1	1	21-Sep-87	93	4.53	.	.

Sta	Years	# FEC	G Mean FEC	Med FEC	%>500 FEC	%>80 FEC	# TOT	G Mean TOT
PJ 1	1987-88	22	56.83	42	14	41	12	330.49

PJ	NB	1	1A	8-Jul-85	4	1.39	.	.
PJ	NB	1	1A	21-Oct-85	7	1.95	.	.
PJ	NB	1	1A	5-May-86	9	2.20	.	.
PJ	NB	1	1A	16-Sep-85	15	2.71	.	.
PJ	NB	1	1A	19-May-86	15	2.71	.	.
PJ	NB	1	1A	5-Aug-85	23	3.14	.	.
PJ	NB	1	1A	22-Sep-86	28	3.33	.	.
PJ	NB	1	1A	30-Sep-85	39	3.66	.	.
PJ	NB	1	1A	22-Jul-85	43	3.76	.	.
PJ	NB	1	1A	19-Aug-85	43	3.76	.	.
PJ	NB	1	1A	28-Oct-85	43	3.76	.	.
PJ	NB	1	1A	16-Jun-86	43	3.76	.	.
PJ	NB	1	1A	8-Sep-86	43	3.76	.	.
PJ	NB	1	1A	25-Aug-86	93	4.53	.	.
PJ	NB	1	1A	6-Oct-86	93	4.53	.	.
PJ	NB	1	1A	2-Jun-86	150	5.01	.	.
PJ	NB	1	1A	20-Oct-86	150	5.01	.	.
PJ	NB	1	1A	12-Aug-86	240	5.48	.	.
PJ	NB	1	1A	30-Jun-86	390	5.97	.	.
PJ	NB	1	1A	28-Jul-86	390	5.97	.	.
PJ	NB	1	1A	14-Jul-86	430	6.06	.	.
PJ	NB	1	1A	3-Sep-85	750	6.62	.	.

Sta	Years	# FEC	G Mean FEC	Med FEC	%>500 FEC	%>80 FEC	# TOT	G Mean TOT
PJ 1A	1987-88	22	69.49	43	5	41	0	0

PJ	NB	2	2	13-May-87	23	.	.	.
PJ	NB	2	2	27-May-87	18	.	.	.
PJ	NB	2	2	10-Jun-87	88	.	.	.
PJ	NB	2	2	29-Jun-87	4	.	.	.
PJ	NB	2	2	13-Jul-87	15	.	.	.
PJ	NB	2	2	27-Jul-87	21	.	.	.
PJ	NB	2	2	24-Aug-87	9	.	.	.
PJ	NB	2	2	21-Sep-87	43	.	.	.
PJ	NB	2	2	5-Oct-87	93	.	.	.
PJ	NB	2	2	19-Oct-87	21	.	.	.
PJ	NB	2	2	16-May-88	150	.	460	.
PJ	NB	2	2	13-Jun-88	460	.	460	.

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PJ	NB	2	2	27-Jun-88	240			460	
PJ	NB	2	2	11-Jul-88	43			11000	
PJ	NB	2	2	25-Jul-88	460			1100	
PJ	NB	2	2	10-Aug-88	9			23	
PJ	NB	2	2	22-Aug-88	140			390	
PJ	NB	2	2	19-Sep-88	150			1500	
PJ	NB	2	2	3-Oct-88	93			460	
PJ	NB	2	2	17-Oct-88	7			43	
PJ	NB	2	2	19-Jun-90	43	3.78		43	3.78
PJ	NB	2	2	22-May-89	23	3.14		75	4.32
PJ	NB	2	2	31-Oct-88	2	0.69		93	4.53
PJ	NB	2	2	9-Oct-90	23	3.14		93	4.53
PJ	NB	2	2	3-Jul-90 ^	93	4.53		93	4.53
PJ	NB	2	2	10-Oct-89	7	1.95		240	5.48
PJ	NB	2	2	17-Jul-90	43	3.78		240	5.48
PJ	NB	2	2	14-Aug-90	240	5.48		240	5.48
PJ	NB	2	2	14-Nov-88	230	5.44		430	6.06
PJ	NB	2	2	11-Sep-89	2	0.69		460	6.13
PJ	NB	2	2	25-Sep-90	9	2.20		460	6.13
PJ	NB	2	2	23-Oct-90	43	3.78		460	6.13
PJ	NB	2	2	11-Sep-90	75	4.32		460	6.13
PJ	NB	2	2	25-Sep-89	93	4.53		460	6.13
PJ	NB	2	2	31-Jul-90	93	4.53		460	6.13
PJ	NB	2	2	28-Aug-90	93	4.53		460	6.13
PJ	NB	2	2	19-Jun-89	150	5.01		460	6.13
PJ	NB	2	2	5-Jun-90	23	3.14		1100	7.00
PJ	NB	2	2	31-Jul-89	43	3.78		1100	7.00
PJ	NB	2	2	28-Aug-89	75	4.32		1100	7.00
PJ	NB	2	2	22-May-90	150	5.01		1100	7.00
PJ	NB	2	2	23-Oct-89	240	5.48		1100	7.00
PJ	NB	2	2	6-Nov-89	240	5.48		1100	7.00
PJ	NB	2	2	7-Aug-89	75	4.32		2400	7.78
PJ	NB	2	2	17-Jul-89	246	5.51		.	.
Sta	Years	# FEC	G Mean FEC	Med FEC	%>500 FEC	%>60 FEC	# TOT	G Mean TOT	
PJ 2	1988-90	25	62.26	75	0	56	24	387.51	
PJ	NB	3	3	13-Jun-88	3	1.10	21	3.04	
PJ	NB	3	3	10-Aug-88	23	3.14	23	3.14	
PJ	NB	3	3	16-May-88	93	4.53	93	4.53	
PJ	NB	3	3	14-Nov-88	93	4.53	150	5.01	
PJ	NB	3	3	11-Jul-88	23	3.14	240	5.48	
PJ	NB	3	3	31-Oct-88	23	3.14	240	5.48	
PJ	NB	3	3	19-Sep-88	240	5.48	240	5.48	
PJ	NB	3	3	22-Aug-88	93	4.53	430	6.06	
PJ	NB	3	3	3-Oct-88	240	5.48	460	6.13	
PJ	NB	3	3	17-Oct-88	15	2.71	750	6.62	
PJ	NB	3	3	27-Jun-88	460	6.13	1100	7.00	
PJ	NB	3	3	25-Jul-88	240	5.48	4600	8.43	
PJ	NB	3	3	29-Jun-87	4	1.39	.	.	
PJ	NB	3	3	13-Jul-87	4	1.39	.	.	
PJ	NB	3	3	27-Jul-87	4	1.39	.	.	
PJ	NB	3	3	24-Aug-87	4	1.39	.	.	
PJ	NB	3	3	19-Oct-87	9	2.20	.	.	
PJ	NB	3	3	13-May-87	23	3.14	.	.	
PJ	NB	3	3	5-Oct-87	23	3.14	.	.	
PJ	NB	3	3	27-May-87	41	3.71	.	.	
PJ	NB	3	3	21-Sep-87	43	3.78	.	.	
PJ	NB	3	3	10-Jun-87	139	4.93	.	.	
Sta	Years	# FEC	G Mean FEC	Med FEC	%>500 FEC	%>60 FEC	# TOT	G Mean TOT	
PJ 3	1987-88	22	31.37	23	0	36	13	253.35	
PJ	UP	4	4	10-Aug-88	4	1.39	9	2.20	
PJ	UP	4	4	11-Jul-88	4	1.39	15	2.71	
PJ	UP	4	4	17-Oct-88	4	1.39	23	3.14	

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PJ	LP	4	4	16-May-88	9	2.20	23	3.14
PJ	LP	4	4	13-Jun-88	23	3.14	43	3.76
PJ	LP	4	4	14-Nov-88	43	3.76	43	3.76
PJ	LP	4	4	31-Oct-88	9	2.20	150	5.01
PJ	LP	4	4	3-Oct-88	93	4.53	460	6.13
PJ	LP	4	4	22-Aug-88	43	3.76	930	6.84
PJ	LP	4	4	19-Sep-88	43	3.76	1100	7.00
PJ	LP	4	4	25-Jul-88	1100	7.00	1100	7.00
PJ	LP	4	4	27-Jun-88	240	5.48	4600	8.43
PJ	LP	4	4	13-May-87	3.8	1.28	.	.
PJ	LP	4	4	13-Jul-87	4	1.39	.	.
PJ	LP	4	4	27-Jul-87	4	1.39	.	.
PJ	LP	4	4	24-Aug-87	4	1.39	.	.
PJ	LP	4	4	29-Jun-87	7	1.95	.	.
PJ	LP	4	4	27-May-87	9	2.20	.	.
PJ	LP	4	4	21-Sep-87	9	2.20	.	.
PJ	LP	4	4	19-Oct-87	9	2.20	.	.
PJ	LP	4	4	5-Oct-87	23	3.14	.	.
PJ	LP	4	4	10-Jun-87	54	3.99	.	.
Sta	Years	# FEC	G Mean FEC	MedFEC	%>600 FEC	%>50 FEC	# TOT	G Mean TOT
PJ 4	1987-88	22	16.07	9	5	18	12	226.11
PJ	LP	5	5	13-Jun-88	4	1.39	4	1.39
PJ	LP	5	5	10-Aug-88	2	0.69	9	2.20
PJ	LP	5	5	3-Oct-88	4	1.39	9	2.20
PJ	LP	5	5	25-Sep-90	2	0.69	23	3.14
PJ	LP	5	5	11-Jul-88	4	1.39	23	3.14
PJ	LP	5	5	19-Sep-88	4	1.39	23	3.14
PJ	LP	5	5	31-Oct-88	9	2.20	23	3.14
PJ	LP	5	5	23-Oct-90	15	2.71	28	3.33
PJ	LP	5	5	17-Oct-88	4	1.39	43	3.76
PJ	LP	5	5	22-Aug-88	23	3.14	43	3.76
PJ	LP	5	5	5-Jun-89	23	3.14	43	3.76
PJ	LP	5	5	25-Sep-89	23	3.14	43	3.76
PJ	LP	5	5	3-Jul-90	43	3.76	43	3.76
PJ	LP	5	5	17-Jul-90	43	3.76	43	3.76
PJ	LP	5	5	5-Jun-90	4	1.39	93	4.53
PJ	LP	5	5	16-May-88	23	3.14	93	4.53
PJ	LP	5	5	27-Jun-88	43	3.76	93	4.53
PJ	LP	5	5	14-Nov-88	43	3.76	93	4.53
PJ	LP	5	5	28-Aug-90	43	3.76	93	4.53
PJ	LP	5	5	19-Jun-89	43	3.76	150	5.01
PJ	LP	5	5	22-May-89	2	0.69	240	5.48
PJ	LP	5	5	6-Nov-89	23	3.14	240	5.48
PJ	LP	5	5	22-May-90	43	3.76	240	5.48
PJ	LP	5	5	9-Oct-90	43	3.76	240	5.48
PJ	LP	5	5	23-Oct-89	93	4.53	240	5.48
PJ	LP	5	5	19-Jun-90	93	4.53	240	5.48
PJ	LP	5	5	31-Jul-90	93	4.53	240	5.48
PJ	LP	5	5	28-Aug-89	2	0.69	460	6.13
PJ	LP	5	5	14-Aug-90	43	3.76	460	6.13
PJ	LP	5	5	17-Jul-89	46	3.83	1100	7.00
PJ	LP	5	5	25-Jul-88	93	4.53	1100	7.00
PJ	LP	5	5	10-Oct-89	5	1.61	.	.
PJ	LP	5	5	19-Oct-87	3	1.10	.	.
PJ	LP	5	5	13-Jul-87	4	1.39	.	.
PJ	LP	5	5	24-Aug-87	4	1.39	.	.
PJ	LP	5	5	5-Oct-87	4	1.39	.	.
PJ	LP	5	5	27-Jun-91	5	1.61	.	.
PJ	LP	5	5	4-Sep-91	5	1.61	.	.
PJ	LP	5	5	2-Oct-91	5	1.61	.	.
PJ	LP	5	5	16-Oct-91	5	1.61	.	.
PJ	LP	5	5	27-Jul-87	7	1.95	.	.
PJ	LP	5	5	27-May-87	9	2.20	.	.
PJ	LP	5	5	29-Jun-87	9	2.20	.	.

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PJ	LP	5	5	21-Sep-87	9	2.20		
PJ	LP	5	5	11-Jul-91	9	2.20		
PJ	LP	5	5	15-Sep-91	9	2.20		
PJ	LP	5	5	13-Jun-91	18	2.89		
PJ	LP	5	5	25-Jul-91	18	2.89		
PJ	LP	5	5	8-Aug-91	18	2.89		
PJ	LP	5	5	13-May-87	23	3.14		
PJ	LP	5	5	10-Jun-87	69	4.23		
Sta	Years	# FEC	G Mean FEC	Med FEC	%500 FEC	%80 FEC	# TOT	G Mean TOT
PJ 5	1987-91	51	12.73	9	0	10	31	81.79
PJ	LP	28	5A	30-Jun-85	3			
PJ	LP	28	5A	14-Jul-86	930			
PJ	LP	28	5A	28-Jul-88	23			
PJ	LP	28	5A	12-Aug-88	23			
PJ	LP	28	5A	25-Aug-88	9			
PJ	LP	28	5A	9-Sep-88	4			
PJ	LP	28	5A	22-Sep-88	23			
PJ	LP	28	5A	6-Oct-88	9			
PJ	LP	28	5A	20-Oct-88	11			
PJ	LP	6	6	3-Oct-88	2	0.69	4	1.39
PJ	LP	6	6	16-May-88	2	0.69	9	2.20
PJ	LP	6	6	10-Aug-88	4	1.39	9	2.20
PJ	LP	6	6	31-Oct-88	4	1.39	21	3.04
PJ	LP	6	6	13-Jun-88	4	1.39	23	3.14
PJ	LP	6	6	11-Jul-88	4	1.39	23	3.14
PJ	LP	6	6	19-Sep-88	4	1.39	23	3.14
PJ	LP	6	6	14-Nov-88	23	3.14	23	3.14
PJ	LP	6	6	22-Aug-88	9	2.20	43	3.78
PJ	LP	6	6	17-Oct-88	4	1.39	93	4.53
PJ	LP	6	6	25-Jul-88	23	3.14	240	5.48
PJ	LP	6	6	27-Jun-88	93	4.53	480	6.13
PJ	LP	6	6	13-May-87	3	1.10		
PJ	LP	6	6	24-Aug-87	3	1.10		
PJ	LP	6	6	19-Oct-87	3	1.10		
PJ	LP	6	6	28-Jun-87	4	1.39		
PJ	LP	6	6	27-Jul-87	4	1.39		
PJ	LP	6	6	5-Oct-87	9	2.20		
PJ	LP	6	6	13-Jul-87	23	3.14		
PJ	LP	6	6	21-Sep-87	23	3.14		
PJ	LP	6	6	27-May-87	41	3.71		
PJ	LP	6	6	10-Jun-87	69	4.23		
Sta	Years	# FEC	G Mean FEC	Med FEC	%500 FEC	%80 FEC	# TOT	G Mean TOT
PJ 6	1987-88	22	7.80	4	0	9	12	31.17
PJ	LP	7	7	16-May-88	2	0.69	3	1.10
PJ	LP	7	7	3-Oct-88	2	0.69	4	1.39
PJ	LP	7	7	10-Aug-88	4	1.39	4	1.39
PJ	LP	7	7	23-Oct-90	4	1.39	4	1.39
PJ	LP	7	7	13-Jun-88	2	0.69	9	2.20
PJ	LP	7	7	19-Sep-88	2	0.69	9	2.20
PJ	LP	7	7	22-May-89	2	0.69	9	2.20
PJ	LP	7	7	19-Jun-90	9	2.20	9	2.20
PJ	LP	7	7	31-Oct-88	9	2.20	15	2.71
PJ	LP	7	7	14-Nov-88	15	2.71	20	3.00
PJ	LP	7	7	28-Aug-89	2	0.69	23	3.14
PJ	LP	7	7	25-Sep-90	4	1.39	23	3.14
PJ	LP	7	7	11-Jul-88	9	2.20	23	3.14
PJ	LP	7	7	22-Aug-88	9	2.20	23	3.14
PJ	LP	7	7	3-Jul-90	23	3.14	23	3.14
PJ	LP	7	7	14-Aug-90	23	3.14	23	3.14
PJ	LP	7	7	17-Oct-88	4	1.39	43	3.78
PJ	LP	7	7	17-Jul-90	9	2.20	43	3.78

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PJ	UP	7	7	9-Oct-90	23	3.14	43	3.76
PJ	UP	7	7	22-May-90	4	1.39	75	4.32
PJ	UP	7	7	6-Nov-89	4	1.39	93	4.53
PJ	UP	7	7	5-Jun-90	4	1.39	93	4.53
PJ	UP	7	7	27-Jun-88	43	3.76	93	4.53
PJ	UP	7	7	25-Sep-89	43	3.76	93	4.53
PJ	UP	7	7	31-Jul-90	43	3.76	93	4.53
PJ	UP	7	7	28-Aug-90	7	1.95	98	4.58
PJ	UP	7	7	5-Jun-89	23	3.14	150	5.01
PJ	UP	7	7	23-Oct-89	43	3.76	240	5.48
PJ	UP	7	7	25-Jul-88	93	4.53	240	5.48
PJ	UP	7	7	19-Jun-89	93	4.53	240	5.48
PJ	UP	7	7	24-Aug-87	3	1.10	.	.
PJ	UP	7	7	19-Oct-87	3	1.10	.	.
PJ	UP	7	7	13-Jul-87	4	1.39	.	.
PJ	UP	7	7	5-Oct-87	4	1.39	.	.
PJ	UP	7	7	10-Oct-89	5	1.61	.	.
PJ	UP	7	7	27-May-87	9	2.20	.	.
PJ	UP	7	7	29-Jun-87	9	2.20	.	.
PJ	UP	7	7	27-Jul-87	15	2.71	.	.
PJ	UP	7	7	21-Sep-87	15	2.71	.	.
PJ	UP	7	7	13-May-87	21	3.04	.	.
PJ	UP	7	7	10-Jun-87	41	3.71	.	.

Sta	Years	# FEC	G Mean FEC	Med FEC	%>500 FEC	%>50 FEC	# TOT	G Mean TOT
PJ 7	1987-90	41	8.83	4	0	5	30	30.84

PJ	UP	8	8	3-Oct-88	2	0.69	2	0.69
PJ	UP	8	8	28-Aug-89	2	0.69	4	1.39
PJ	UP	8	8	17-Jul-90	2	0.69	4	1.39
PJ	UP	8	8	23-Oct-90	2	0.69	4	1.39
PJ	UP	8	8	31-Oct-88	4	1.39	4	1.39
PJ	UP	8	8	17-Oct-88	9	2.20	9	2.20
PJ	UP	8	8	3-Jul-90	9	2.20	9	2.20
PJ	UP	8	8	25-Sep-90	7	1.95	11	2.40
PJ	UP	8	8	13-Jun-88	2	0.69	15	2.71
PJ	UP	8	8	10-Aug-88	4	1.39	15	2.71
PJ	UP	8	8	19-Sep-88	7	1.95	15	2.71
PJ	UP	8	8	19-Jun-90	9	2.20	15	2.71
PJ	UP	8	8	5-Jun-89	15	2.71	20	3.00
PJ	UP	8	8	11-Jul-88	9	2.20	23	3.14
PJ	UP	8	8	14-Aug-90	9	2.20	23	3.14
PJ	UP	8	8	22-May-89	23	3.14	23	3.14
PJ	UP	8	8	31-Jul-90	4	1.39	39	3.66
PJ	UP	8	8	5-Jun-90	2	0.69	43	3.76
PJ	UP	8	8	16-May-88	3	1.10	43	3.76
PJ	UP	8	8	19-Jun-89	9	2.20	43	3.76
PJ	UP	8	8	14-Nov-88	43	3.76	43	3.76
PJ	UP	8	8	25-Sep-89	43	3.76	43	3.76
PJ	UP	8	8	28-Aug-90	43	3.76	43	3.76
PJ	UP	8	8	6-Nov-89	4	1.39	75	4.32
PJ	UP	8	8	22-May-90	23	3.14	93	4.53
PJ	UP	8	8	9-Oct-90	9	2.20	120	4.79
PJ	UP	8	8	25-Jul-88	20	3.00	120	4.79
PJ	UP	8	8	22-Aug-88	4	1.39	210	5.35
PJ	UP	8	8	23-Oct-89	43	3.76	460	6.13
PJ	UP	8	8	27-Jun-88	93	4.53	1100	7.00
PJ	UP	8	8	24-Aug-87	3	1.10	.	.
PJ	UP	8	8	19-Oct-87	3	1.10	.	.
PJ	UP	8	8	13-May-87	3.6	1.28	.	.
PJ	UP	8	8	27-Jul-87	4	1.39	.	.
PJ	UP	8	8	11-Oct-89	5	1.61	.	.
PJ	UP	8	8	21-Sep-87	7	1.95	.	.
PJ	UP	8	8	27-May-87	9	2.20	.	.
PJ	UP	8	8	10-Jun-87	9	2.20	.	.
PJ	UP	8	8	29-Jun-87	9	2.20	.	.

3. **1991 Av May-Nov Water Chem Example:** Example of a file used in calculating average water chemistry values for one year's data during the normal sampling season, May through November. Note that average temperature is calculated both for the whole May-November period and July-August alone.

1991 Av May-Nov Water Chem Example

	A	B	C	D	E	F	G	H	I	J
1										
2	POND	STATION	DATE	TEMP	DO	SALT	N	P	CHL a	
3	PJ	1	9-May-91	13.5		15	7.05	0.32	4.43	
4	PJ	1	10-Jun-91	20.5		29	1.15	0.09	13.23	
5	PJ	1	24-Jun-91	19.5		34	2.56	0.30	8.17	
6	PJ	1	8-Jul-91	21		20	2.71	0.70	6.57	
7	PJ	1	22-Jul-91	27		22	2.20	0.66	8.43	
8	PJ	1	5-Aug-91	22		24	6.28	0.22	10.91	
9										
10			Months sample-	Aug Mean T	May-Nov Temp	DO	Salinity	N	P	Chl a
11	Sta. 1	1991	May-Aug	23.3	20.6		24.0	3.66	0.42	6.62
12										
13	PJ	3A	15-Jun-91	17		24	0.22	0.42	0.79	
14	PJ	3A	28-Jun-91	18			0.43	0.73	0.88	
15	PJ	3A	15-Jul-91	21		24	1.02	0.85	0.88	
16	PJ	3A	25-Jul-91	22		24	0.13	0.50	1.78	
17	PJ	3A	11-Aug-91	20		33	0.86	0.83	0.57	
18	PJ	3A	26-Aug-91	21		32	0.10	0.24	4.85	
19	PJ	3A	8-Sep-91	20		32	1.41	0.88	1.54	
20	PJ	3A	22-Sep-91	17		30	1.27	0.64	3.00	
21	PJ	3A	12-Oct-91	17		30	0.85	0.54	1.49	
22	PJ	3A	2-Nov-91	13		27	2.77	0.89	1.10	
23										
24			Months sample-	Aug Mean T	May-Nov Temp	DO	Salinity	N	P	Chl a
25	Sta. 3A	1991	May-Nov	21.0	18.6		26.4	0.91	0.62	1.68
26										
27										
28	PJ	4	10-Jul-91	19		32	0.27	0.47	1.54	
29	PJ	4	25-Jul-91	19		27	0.40	1.27	1.43	
30	PJ	4	7-Aug-91	22						
31	PJ	4	26-Aug-91	18		27	0.38	0.46	1.88	
32	PJ	4	7-Sep-91	18		31	1.14	0.54	2.30	
33	PJ	4	10-Oct-91	15.5		30	1.00	0.46	1.17	
34	PJ	4	28-Oct-91	14		28	0.61	0.65	0.83	
35										
36			Months sample-	Aug Mean T	May-Nov Temp	DO	Salinity	N	P	Chl a
37	Sta. 4	1991	Jul-Aug	19.2	17.9		29.2	0.35	0.73	1.62
38										

4. **1991 av Winter Water Chem ex:** Example of a file used for calculating average water chemistry values for one year's data during winter. Averages for Dec-Feb and Mar-Apr are calculated separately.

	A	B	C	D	E	F	G	H	I
1	PJ	1	5-Dec-90	6.5	.	23	7.36	0.80	5.17
2	PJ	1	10-Jan-91	1	.	24	10.06	0.89	1.23
3	PJ	1	6-Mar-91	8	.	7	21.50	0.36	1.42
4	PJ	1	8-Apr-91	14	.	11	24.50	0.22	6.67
5									
6	PJ 1	1990-91	Dec-Feb	3.8		23.5	8.7	0.8	3.20
7		1991	Mar-Apr	11.0		9.0	23.0	0.3	4.05
8									
9	PJ	3A	9-Dec-90	8	.	31	5.39	1.02	0.58
10	PJ	3A	13-Jan-91	6	.	24	5.35	0.58	2.82
11	PJ	3A	9-Feb-91	8	.	30	4.61	0.88	2.12
12	PJ	3A	16-Mar-91	16	.	28	3.69	0.18	1.41
13	PJ	3A	7-Apr-91	10	.	29	0.32	0.39	1.60
14									
15	PJ 1	1990-91	Dec-Feb	7.3		28.3	5.12	0.82	1.84
16		1991	Mar-Apr	13.0		28.5	2.01	0.29	1.51

5. **PJ Mean H2O Chem 85-91 ex:** Example of a file used for calculating average water chemistry values for the May-November period over the whole time-span of the data set. Note that on page 6, two sets of average values for the whole pond are calculated, including and excluding Sta. PJ1.

1	A	B	C	D	E	F	G	H	I	J	K	L
2	Pond	Sta.	Date	Temp	D.O.	Salinity	N	P	Chl a			
3	PJ	1	5-Aug-85	23	9.00				22.56			
4			12-Aug-85	25	7.00							
5			19-Aug-85	22	9.00				18.97			
6			26-Aug-85	22	10.00							
7			3-Sep-85	18	9.00				9.17			
8			9-Sep-85	22	11.00							
9			16-Sep-85	17	10.00				4.97			
10			23-Sep-85	20	8.00							
11			30-Sep-85	17	9.00				9.43			
12			7-Oct-85	14	10.00							
13			14-Oct-85	14	8.00	28	5.74	0.74	4.35			
14			21-Oct-85	12	10.00	28	5.83	0.70				
15			28-Oct-85	13	10.00	25	5.35	0.37	4.95			
16			5-Nov-85	11	11.00				1.52			
17			11-Nov-85	12	9.00	20						
18			18-Nov-85	8	12.00				0.20			
19			25-Nov-85	8	12.00	14	14.45	0.57	1.28			
20			5-May-86	14								
21			19-May-86	19								
22			2-Jun-86	21	9.00	26	4.86	0.53	13.34			
23			16-Jun-86	20	10.00	12	16.16	0.27				
24			30-Jun-86	22	10.00	23	5.57	0.28				
25			14-Jul-86	18	9.00	25	0.38	0.43				
26			28-Jul-86	18	8.00	24	3.66	0.49				
27			11-Aug-86	18	11.00	20	1.21	0.74				
28			22-Aug-86	20	10.00	25	1.69	0.74	51.58			
29			25-Aug-86	20								
30			8-Sep-86	20	12.00	26	1.03	0.44	35.86			
31			22-Sep-86	15	9.00	27	3.85	0.62	23.29			
32			6-Oct-86	18	9.00	28	3.03	0.81	57.28			
33			20-Oct-86	10	11.00	28	2.18	0.32	26.98			
34			7-May-87	9	13.00	4	25.58	0.13	0.78			
35			18-May-87	15	11.00	20	6.56	0.19	2.93			
36			1-Jun-87	23	11.00	19	3.27	0.22	14.07			
37			15-Jun-87	20	10.00	23	5.73	0.48	4.69			
38			29-Jun-87	20	9.00	28	0.87	0.78	6.94			
39			13-Jul-87	22	8.00	24	7.68	0.97	17.84			
40			27-Jul-87	24	8.00	28	0.02	1.00	12.89			
41			10-Aug-87	22	7.00	28	2.09	1.56	6.37			
42			24-Aug-87	20	7.00	28	3.69	1.91	6.61			
43			7-Sep-87	20	8.00	28	1.99	0.64	7.35			
44			21-Sep-87	15	8.00	26	4.70	1.91	5.14			
45			5-Oct-87	12	9.00	28	3.80	0.72	2.08			
46			19-Oct-87	13	10.00	28	1.55	0.55	3.38			
47			4-May-88	9	12.00	21	2.71	0.52	0.90			
48			18-May-88	16	10.00	25	2.54	0.37	3.76			
49			30-May-88	18	10.00	21	2.87	0.28	3.86			
50			13-Jun-88	19	9.00	27	3.11	0.66	6.06			
51			27-Jun-88	18	7.00	24	6.36	1.07	3.53			
52			11-Jul-88	23	10.00	26	1.28	0.92	4.37			
53			25-Jul-88	21	7.00	19	10.66	1.98	8.88			
54			10-Aug-88	27	8.00	22	1.27	1.13	8.28			
55			22-Aug-88	22	7.00	27	1.74	1.19	9.96			
56			5-Sep-88	20	8.00	26	6.07	0.76	16.63			
57			19-Sep-88	18	9.00	27	2.05	0.56	7.87			
58			3-Oct-88	17	8.00	28	7.17	0.60	2.34			
59			17-Oct-88	11		28	4.24	0.52	2.74			
60			31-Oct-88	7		28	5.65	0.73	3.07			
61			14-Nov-88			26	3.71	0.40	3.99			
62			20-May-89			12	3.18	0.30	6.13			
63			5-Jun-89	16.5	10.05	23	0.27	0.31	14.3			
64			16-Jun-89	18	7.70	6	6.33	0.74	0.89			
65			19-Jun-89	19.5	7.40	13	4.58	0.58	12.38			
66			18-Jul-89	22	8.60	26	1.29	0.60	9.96			
67			29-Jul-89	23	5.50	18	3.64	0.65	36.6			
68			5-Aug-89	23	8.00	22	1.69	0.43	1.93			
69			26-Aug-89	22	5.90	27	1.49	0.29	6.24			
70			29-Aug-89			27	0.09	0.00	22.2			
71			9-Sep-89	20.5	8.58	24	1.11	0.00	6.8			
72			23-Sep-89	21.5	7.60	19	4.77	0.74	12.2			
73			7-Oct-89	15	9.00	18	3.03	0.54	17.6			
74			22-Oct-89	11	8.38	2	2.36	0.42	1.44			
75			5-Nov-89	9	9.10	13	5.15	0.70	1.05			
76			20-May-90	13.5	8.40	11	9.39	0.44	3.08			

	A	B	C	D	E	F	G	H	I	J	K	L
77			9-Jun-90	18.8	8.40	18	3.92	0.31	5.35			
78			18-Jun-90	19	8.10	20	4.40	0.68	10.13			
79			4-Jul-90	21	8.20	24	0.78	0.07	12			
80			17-Jul-90	21.5	7.80	26	1.72	0.16	3.98			
81			31-Jul-90	21	8.30	21	4.11	0.43	11.18			
82			14-Aug-90	24.8	6.40	23	1.07	0.22	12.65			
83			28-Aug-90	22	9.80	24	0.74	0.00	9.88			
84			11-Sep-90	18	6.75	29	2.32	0.48	7.38			
85			25-Sep-90	13	8.70	23	4.13	0.26	6.37			
86			8-Oct-90	18.5	7.80	28	2.66	0.06	5.16			
87			22-Oct-90	16	8.30	29	2.44	0.28	2.74			
88			9-May-91	13.5	.	15	7.06	0.32	4.43			
89			10-Jun-91	20.6	.	29	1.16	0.09	13.23			
90			24-Jun-91	19.5	.	34	2.58	0.3	8.17			
91			8-Jul-91	21	.	20	2.71	0.7	6.87			
92			22-Jul-91	27	.	22	2.2	0.88	6.45			
93			6-Aug-91	22	.	24	6.28	0.22	10.91			
94												
95				July- Aug	Mean Temp	DO	Salinity	N	P	chl a	chl a exc 1985	
96												
97	Sta. 1	1985 - 91	MEAN	21.6	17.91	6.88	22.89	4.05	0.56	9.85	7.83	
98			S. D.	2.8	4.84	1.58	8.08	3.88	0.41	10.44	6.31	
99												
100												
101	Sta. 2											
102			28-Jul-85	20	11	.	.	.	3.73			
103			3-Aug-85	24	18	.	.	.				
104			11-Aug-85	24	18	.	.	.	3.89			
105			20-Aug-85	22	13	.	.	.				
106			28-Aug-85	21	11	.	.	.	5.79			
107			2-Sep-85	18	12	.	.	.	3.35			
108			6-Sep-85	26	16	28.00	0.21	0.25	5.50			
109			18-Sep-85	20	9	.	.	.				
110			23-Sep-85	21	10	30.00	0.77	0.56	6.78			
111			6-Nov-85	12	10	30.00	1.64	0.78				
112			19-May-86	17	10	31.00	0.19	0.48				
113			2-Jun-86	20	10	31.00	1.44	0.78	0.80			
114			10-Jul-86	21	7	30.00	0.24	0.91				
115			15-Jul-86	18	8	28.00	0.13	1.04				
116			7-Aug-86	22	9	29.00	0.08	0.88				
117			21-Aug-86	20	10	30.00	0.31	0.88	39.88			
118			9-Sep-86	18	9	30.00	0.09	0.88				
119			20-Sep-86	17	9	30.00	0.14	0.88	10.50			
120			5-Oct-86	17	8	29.00	0.63	0.74	20.29			
121			7-May-87	.	.	28.00	0.21	0.36	1.48			
122			20-May-87	13	.	28.00	0.29	0.40	1.27			
123			2-Jun-87	19	.	30.00	0.07	0.39	5.08			
124			18-Jun-87	17	.	30.00	0.18	0.29	0.97			
125			3-Jul-87	22	.	28.00	0.07	0.58	1.22			
126			16-Jul-87	18	10	30.00	0.04	0.78	1.82			
127			28-Jul-87	22	8	30.00	0.02	0.64	1.88			
128			11-Aug-87	20	9	32.00	0.47	1.11	1.71			
129			25-Aug-87	18	8	32.00	0.09	0.84	1.59			
130			10-Sep-87	18	8	30.00	0.36	0.77	3.82			
131			25-Sep-87	17	8	30.00	1.34	1.30	1.58			
132			9-Oct-87	14	9	30.00	0.68	0.87	1.81			
133			23-Oct-87	13	9	30.00	0.09	0.44	2.32			
134			17-May-88	14	10	30.00	0.17	0.76	0.73			
135			1-Jun-88	18	11	30.00	0.17	0.70	1.73			
136			18-Jun-88	17	10	30.00	0.35	0.78	1.15			
137			1-Jul-88	17	9	30.00	0.19	0.89	0.86			
138			15-Jul-88	20	9	30.00	0.27	0.87	0.72			
139			29-Jul-88	21	9	30.00	0.20	1.00	1.92			
140			12-Aug-88	23	7	30.00	0.17	1.12	1.13			
141			26-Aug-88	19	7	30.00	0.50	1.34	0.67			
142			14-Sep-88	17	9	31.00	0.28	1.02	1.32			
143			23-Sep-88	18	8	31.00	0.38	1.04	0.72			
144			2-Oct-88	17	.	30.00	0.37	1.09	1.14			
145			17-Oct-88	14	.	31.00	0.33	1.05	0.56			
146												
147				Jul - Aug	Mean Temp	Dissolved	Salinity	N	P	chl a	chl a, exc 1985	
148	Sta. 2	1985 - 88	MEAN	20.8	18.83	9.78	29.73	0.35	0.77	3.99	2.20	
149			S. D.	2.0	3.1	2.22	1.5	0.4	0.3	7.3	1.7	
150												
151												
152	Sta. 2A		7-May-87			24.00	0.14	0.29	0.43			

	A	B	C	D	E	F	G	H	I	J	K	L
153			20-May-87	16		27.00	0.88	0.28	3.71			
154			2-Jun-87	28		27.00	0.10	0.17	5.08			
155			18-Jun-87	20		29.00	0.29	0.38	2.34			
156			3-Jul-87	20		29.00	0.07	0.30	1.18			
157			18-Jul-87	22	8	29.00	0.03	0.58	2.57			
158			28-Jul-87	26	8	29.00	0.01	1.54	3.86			
159			11-Aug-87	21	6	32.00	0.12	1.56	3.67			
160			25-Aug-87	19	7	32.00	0.18	1.24	7.59			
161			10-Sep-87	22	8	29.00	0.12	1.03	2.61			
162			25-Sep-87	18	8	29.00	0.41	1.14	1.22			
163			9-Oct-87	14	8	30.00	0.09	0.71	1.22			
164			23-Oct-87	12	8	30.00	0.09	0.57	2.69			
165			17-May-88	18	11	29.00	0.08	0.38	3.05			
166			1-Jun-88	19	10	28.00	0.11	0.28	2.47			
167			18-Jun-88	22	9	30.00	0.50	0.75	1.17			
168			1-Jul-88	19	9	30.00	0.19	0.88	0.93			
169			15-Jul-88	23	7	30.00	0.86	2.03	0.56			
170			29-Jul-88	24	7	27.00	0.38	2.77	1.46			
171			12-Aug-88	28	6	27.00	0.21	2.69	0.77			
172			26-Aug-88	20	6	30.00	0.34	2.00	0.54			
173			14-Sep-88	19	6	26.00	0.42	1.11	1.54			
174			23-Sep-88	19	7	28.00	0.34	1.14	2.25			
175			2-Oct-88	18		31.00	0.17	0.90	0.86			
176			17-Oct-88	12		31.00	0.36	0.64	0.76			
177			6-Jun-90	17.2		25	0.23	0.15				
178			14-Jun-90			24	0.73	0.00	2.91			
179			19-Jun-90		8.8	31	0.46	0.13	0.91			
180			3-Jul-90	21.2	6.3	29	0.66	0.84	1.43			
181			17-Jul-90	26.1		30	0.14	0.58	1.71			
182			15-Aug-90	25	6	30	0.16	0.44				
183			28-Aug-90	28	6.75	31	0.17	0.21				
184			10-Sep-90	22	8	28	0.45	0.36				
185			28-Sep-90	17	6.75	27	0.46	0.45				
186			9-Oct-90	21	6.75	31	0.66	0.35				
187												
188				July-Aug	Mean Tem	Dissolve	Satinity	N	P	Ch a		
189	Sta. 2A	1987 - 90	MEAN	22.6	20.17	7.33	28.88	0.30	0.82	2.13		
190			S.D.	2.7	3.78	1.48	2.00	0.22	0.70	1.59		
191												
192	Sta. 2B											
193			5-Oct-86	19	9	26.00	2.04	0.93	29.64			
194			13-May-87			21.00	4.52	0.17	4.75			
195			27-May-87			25.00	0.62	0.19	4.75			
196			2-Jun-87	20		30.00	0.04	0.24	6.64			
197			6-Jun-87			24.00	0.28	0.28	10.31			
198			18-Jun-87	18		28.00	0.67	0.56	1.56			
199			29-Jun-87			26.00	1.37	1.06	10.29			
200			13-Jul-87			27.00	1.90	1.52	12.25			
201			27-Jul-87			27.00	0.57	1.56	9.80			
202			24-Aug-87			30.00	1.98	2.00	3.92			
203			5-Oct-87			28.00	1.46	0.91	1.71			
204			19-Oct-87			28.00	0.72	0.50	4.90			
205			10-Jun-88	14	9	28.00	1.18	0.78	3.91			
206			24-Jun-88	19	8	26.00	1.36	0.43	8.79			
207			1-Jul-88	20	9	24.00	0.36	1.09	4.76			
208			11-Jul-88	24	8	28.00	0.73	0.94	8.00			
209			25-Jul-88	22	6	22.00	5.35	2.10	17.28			
210			19-Aug-88	28	7	24.00	1.34	0.95	7.79			
211			26-Aug-88	21	8	28.00	0.66	1.18	4.50			
212			11-Sep-88	20	9	29.00	0.64	0.96	5.73			
213			3-Oct-88	17		30.00	0.81	1.10	5.27			
214			17-Oct-88	11		28.00	3.73	0.73	1.28			
215			30-Oct-88	6		29.00	2.89	0.60	2.34			
216			14-Nov-88	8		28.00	1.55	0.47	0.95			
217			16-Jun-89	20	6.2	21	3.04	0.36	11.4			
218			19-Jun-89	20	6.2	18	2.02	0.53	19.84			
219			19-Jul-89	20	8.6	14	2.70	0.49	12.7			
220			28-Aug-89	20	7.82	28	0.11	0.00	8.09			
221			25-Sep-89	16	6.3	25	1.08	0.78	9.83			
222			9-Oct-89	14	9.25	27	0.49	0.00	4.6			
223			23-Oct-89	8	9.8	10	2.82	0.29	0.75			
224			6-Nov-89	10	8.38	25	2.29	0.21	0.85			
225			23-May-90	11	9.15				5.49			
226			5-Jun-90	16	7.6				7.42			
227			14-Jun-90						1.65			
228			17-Jun-90						1.71			

	A	B	C	D	E	F	G	H	I	J	K	L
229			3-Jul-90	20	8.0	28.00	0.21	0.53				
230												
231	Sta. 2B		Jul-Aug Mean	Mean Tem	Dissolved	Salinity	N	P	Ch a			
232	1987 - 90	MEAN	21.9	16.50	8.22	25.42	1.52	0.74	6.92			
233		S.D.	2.3	5.40	0.93	4.80	1.29	0.52	5.38			
234												
235	Sta. 2C		3-Jul-87	21		28.00	0.08	0.42	0.59			
236			16-Jul-87	21	9	29.00	0.04	0.68	1.58			
237			28-Jul-87	22	8	30.00	0.02	0.60	1.82			
238			11-Aug-87	20	8	32.00	0.39	1.14	1.71			
239			25-Aug-87	17	7	30.00	0.16	0.90	1.47			
240			10-Sep-87	20	7				1.22			
241			25-Sep-87	17	9	30.00	1.23	1.32	1.29			
242			9-Oct-87	14	8				0.98			
243			19-Oct-87			30.00	0.90	0.92				
244			23-Oct-87	12	9	30.00	0.13	0.70	2.32			
245			1-Jul-88	18	8	30.00	0.30	0.80	2.81			
246			15-Jul-88	22	9	30.00	0.44	1.21	0.41			
247			29-Jul-88	22	5	28.00	0.37	1.58	1.18			
248			12-Aug-88	25	6	30.00	0.43	1.89	1.31			
249			28-Aug-88	19	6	30.00	0.40	1.55	0.58			
250			14-Sep-88	17	8	30.00	0.40	1.19	0.51			
251			23-Sep-88	17	8	29.00	0.31	0.96	0.84			
252			2-Oct-88	19		31.00	0.46	1.18	0.87			
253			17-Oct-88	15		30.00	0.42	1.07	0.88			
254												
255	Sta. 2C		July-Aug Mean	Mean Tem	Dissolved	Salinity	N	P	Ch a			
256	1987 - 88	MEAN	20.7	16.78	7.87	29.88	0.38	1.07	1.21			
257		S.D.	2.3	3.28	1.54	0.88	0.30	0.34	0.67			
258												
259	Sta. 3		9-Aug-85	25	12	32.00	0.20	0.63	6.78			
260			16-Aug-85	22	10							
261			23-Aug-85	22	11	31.00	0.42	1.07				
262			1-Sep-85	18	11							
263			8-Sep-85	24	11	28.00	0.56	0.83	1.95			
264			16-Sep-85	18	12							
265			22-Sep-85	18	12	31.00	0.18	0.85	0.76			
266			5-Oct-85	18	10							
267			10-Oct-85	16	12							
268			14-Oct-85	16	10	32.00	1.58	0.92	1.52			
269			25-Oct-85	18	12	32.00	0.28	0.72	0.27			
270			9-Nov-85	13	13	31.00	1.72	0.98	1.52			
271			23-Nov-85	10	13				0.95			
272			30-Nov-85	7	13	31.00	5.91	1.44	0.40			
273			18-May-86	12	14	32.00	0.12	0.48	0.54			
274			26-May-86	14	12	32.00	0.12	0.43	0.94			
275			1-Jun-86	15	14	32.00	0.08	0.47	1.48			
276			16-Jun-86	17	13	30.00	0.13	0.49	1.07			
277			29-Jun-86	17	12	30.00	0.09	0.58	7.64			
278			13-Jul-86	17	12	30.00	0.27	0.79				
279			28-Jul-86	20	11	30.00	0.12	0.53				
280			7-Aug-86	21	9	30.00	0.04	0.41				
281			10-Aug-86	20	12	29.00	0.15	0.53	10.98			
282			24-Aug-86	19	12	30.00	0.18	0.61				
283			6-Sep-86	18	12	30.00	0.13	0.52	4.30			
284			28-Sep-86	16	11	30.00	0.33	0.88				
285			5-Oct-86	15	12	30.00	1.13	0.98	15.40			
286			19-Oct-86	12		30.00	0.48	0.68	1.78			
287			9-May-87	8	13	28.00	0.89	0.28	0.59			
288			24-May-87	12		30.00	0.08	0.28	1.38			
289			7-Jun-87	15		30.00	0.00	0.38	2.47			
290			28-Jun-87	16	10	30.00	0.02	0.41	0.15			
291			13-Jul-87	20	10	30.00	0.01	0.38	2.08			
292			24-Jul-87	22	10	30.00	0.03	0.54	0.98			
293			9-Aug-87	20	9	30.00	0.18	0.81	1.54			
294			23-Aug-87	18	8	30.00	0.20	0.88	1.19			
295			7-Sep-87	17	8	30.00	0.11	0.94	1.61			
296			3-Oct-87	16	9	30.00	0.60	0.89	2.50			
297			19-Oct-87	15	9	30.00	1.89	1.18	2.78			
298			9-May-88	10	11	30.00	0.31	0.84	0.83			
299			16-May-88	16	12	29.00	0.19	0.65	2.75			
300			29-May-88	16	13	28.00	0.05	0.40	3.50			
301			12-Jun-88	14	12	31.00	0.20	0.88	0.86			
302			26-Jun-88	17	12	31.00	0.26	0.81	2.14			
303			10-Jul-88	17	12	31.00	0.19	0.90	1.46			
304			29-Jul-88	20	12	30.00	0.55	0.90	2.99			

	A	B	C	D	E	F	G	H	I	J	K	L
305			14-Aug-88	19	13	31.00	0.49	0.84	1.33			
306			28-Aug-88	20	11	31.00	0.75	1.25	0.73			
307			17-Sep-88	18		31.00	0.29	1.20	0.90			
308			23-Sep-88	15					0.92			
309			8-Oct-88	12		31.00	0.48	1.02	0.90			
310			23-Oct-88	12		31.00	1.38	1.19	2.22			
311			26-May-90	15		28	0.14	0.29	0.95			
312			9-Jun-90	18		30	0.11	0.33	0.95			
313			17-Jun-90	18		31	0.13	0.28	1.35			
314			1-Jul-90	20		31	0.11	0.33	2.84			
315			17-Jul-90	22		31	0.18	0.42	2.57			
316			4-Aug-90	22		29	0.2	0.31	1.22			
317			17-Aug-90	22		29	0.15	0.14	3.05			
318			26-Aug-90	22		29	0.21	0.32	3.96			
319			29-Sep-90	20		32	0.19	0.31	4.01			
320			16-Oct-90	17		31	1.25	0.84	1.83			
321		3A	16-Jun-91	17		24	0.22	0.42	0.79			
322		3A	28-Jun-91	18			0.43	0.73	0.88			
323		3A	15-Jul-91	21		24	1.02	0.85	0.88			
324		3A	26-Jul-91	22		24	0.13	0.8	1.76			
325		3A	11-Aug-91	20		33	0.88	0.83	0.67			
326		3A	26-Aug-91	21		32	0.1	0.24	4.85			
327		3A	8-Sep-91	20		32	1.41	0.88	1.54			
328		3A	22-Sep-91	17		30	1.27	0.84	3.00			
329		3A	12-Oct-91	17		30	0.85	0.54	1.49			
330		3A	2-Nov-91	13		27	2.77	0.89	1.10			
331												
332	Sta. 3		July-Aug Mean	Mean Tem	Dissolved	Salinity	N	P	CN a	CHLA	EXC	1986
333	1985 - 88	MEANS	20.1	16.37	11.38	30.27	0.51	0.74	2.38			1.65
334		S.D.	2.0	3.78	1.48	1.27	0.94	0.28	2.98			1.24
335	Sta. 3A											
336	Mean		22	21.33	19.00		29.32	0.59	0.48			1.98
337	S.D.		0	0.90	2.68		2.79	0.69	0.22			1.26
338												
339	STA. 4											
340			21-May-87	15		28.00	0.82	0.17	2.18			
341			8-Jun-87	19		27.00	0.08	0.21	3.17			
342			23-Jun-87	19		28.00	0.01	0.81	1.98			
343			2-Jul-87	21	9	29.00	0.01	0.68	2.77			
344			15-Jul-87	21	8		0.13	0.06	0.07			
345			28-Jul-87	23	10	30.00	0.02	0.94	1.78			
346			13-Aug-87	21	9	30.00	0.08	1.01	1.78			
347			31-Aug-87	19	8	30.00	0.42	1.01	1.90			
348			14-Sep-87	20	9	28.00	0.41	1.30	2.38			
349			28-Sep-87	18	8	29.00	0.10	0.91	3.45			
350			4-Oct-87	17	8	28.00	0.16	0.89	2.02			
351			22-Oct-87	13	10	30.00	0.14	0.77	1.16			
352			7-May-88	13	11	22.00	1.79	0.49	1.47			
353			20-May-88	13	10	28.00	0.25	0.52	1.69			
354			5-Jun-88	16	10	29.00	0.31	0.73	1.59			
355			15-Jun-88	20	10	30.00	0.19	0.82	1.20			
356			1-Jul-88	18	9	30.00	0.14	0.75	0.77			
357			15-Jul-88	21	9	27.00	0.22	0.98	2.09			
358			29-Jul-88	22	8	28.00	0.22	0.85	37.73			
359			12-Aug-88	22	7	28.00	0.21	1.08	0.88			
360			26-Aug-88	19	8	30.00	0.38	1.29	0.83			
361			10-Sep-88	22	10	28.00	0.35	0.78	8.28			
362			25-Sep-88	18		28.00	0.48	0.90	2.53			
363			21-Oct-88	14		30.00	0.95	0.92				
364			31-Oct-88	10		30.00	1.20	0.96	1.31			
365			23-May-89			25	0.15	0.00	1.44			
366			6-Jun-89	19		29	0.24	0.00	3.11			
367			16-Jun-89	18		24	0.91	0.37	3.73			
368			19-Jul-89	20		31	0.23	0.24	3.85			
369			31-Jul-89	24		25	0.12	0.13	3.19			
370			8-Aug-89	22		31	0.38	0.36	5.24			
371			28-Aug-89	21		31	0.18	0.00	3.3			
372			11-Sep-89			30	0.28	0.00				
373			25-Sep-89	17		27	0.17	0.11	1.16			
374			11-Oct-89	15		29	0.26	0.00	2.87			
375			25-Oct-89	15		31	1.33	0.12	1.93			
376			10-Jul-91	19		32	0.27	0.47	1.54			
377			25-Jul-91	19		27	0.4	1.27	1.43			
378			7-Aug-91	22								
379			26-Aug-91	18		27	0.38	0.45	1.88			
380			7-Sep-91	18		31	1.14	0.64	2.30			

	A	B	C	D	E	F	G	H	I	J	K	L
391			10-Oct-91	18.5		30	1	0.46	1.17			
392			28-Oct-91	14		28	0.81	0.66	0.83			
393												
394	Sta. 4		July-Aug tem	Mean Tem	Dissolved	Salinity	N	P	CH a			
395	1987 - 19	MEAN	20.67	18.30	8.89	28.41	0.41	0.59	3.09			
396		S.D.	1.71	3.21	1.24	2.20	0.40	0.39	5.79			
397												
398	1988-89			21.00	18.14	9.00	28.13	0.45	0.52	4.09		
399												
400	All Stations	1988	22.58	18.38	11.88	30.18	1.22	0.79	3.09			
401	exc 1	1988	19.44	17.48	10.73	30.00	0.28	0.67	6.91			
402		1987	20.75	18.15	8.62	28.88	0.42	0.73	2.78			
403		1988	21.27	17.82	8.83	29.01	0.62	1.02	2.71			
404		1989	21.70	17.38	8.88	28.21	0.88	0.21	6.42			
405		1990	22.52	20.47	8.34	28.38	0.34	0.34	2.13			
406		1991	20.25	17.31		28.94	0.78	0.80	1.53			
407												
408			Jul-Aug Temp	May-Nov	DOK	SALT	N	P	CHLA			
409	1988-89			18.33	8.38	28.28	0.61	0.73	3.38			
410												
411												
412												
413	All Stations	1988	22.7	17.8	11.0	27.7	2.98	0.74	5.02	1,2,3		
414	Means	1988	18.4	17.8	10.4	28.1	1.47	0.82	17.08	1,2,3		
415		1987	20.8	18.1	8.7	28.0	1.20	0.75	3.44	1,2,2A,2B,2C,3,4		
416		1988	21.2	17.8	8.8	28.2	1.23	0.98	3.27	1,2,2A,2B,2C,3,4		
417		1989	21.7	17.8	6.1	22.1	1.75	0.29	7.72	1,2B,4		
418		1990	22.4	19.7	7.3	28.9	1.39	0.32	4.60	1,2A,3		
419		1991	21.1	18.9		27.4	1.66	0.57	3.53	1,3A,4		
420												
421	Mean	1988 - 19	21.3	18.1	9.2	27.3	1.44	0.99	5.08	4.48		
422	S.D.		0.6	4.1	2.0	4.8	2.54	0.44	7.40	6.88		