APPENDIX C Sample PRZM/EXAMS Output

stored as CAalmond.out
Chemical: Phosmet
PRZM environment: CAalmond_WirrigSTD.txt modified Wedday, 13 June 2007 at 11:17:16
EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30
Metfile: w23232.dvf modified Wedday, 3 July 2002 at 09:04:22
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	22.95	5.435	1.215	0.4832	0.3256	0.1502
1962	82.12	22.89	4.442	1.571	1.061	0.3666
1963	16.4	2.877	1.179	0.4693	0.3187	0.1157
1964	17.21	3.151	1.312	0.5712	0.391	0.1366
1965	16.4	3.162	1.283	0.5015	0.3397	0.1076
1966	17.77	3.118	1.254	0.4855	0.3371	0.1481
1967	16.4	3.111	1.215	0.5605	0.3882	0.1118
1968	16.4	3.08	1.245	0.5141	0.3481	0.1046
1969	18.04	3.166	1.249	0.4943	0.3368	0.1258
1970	23.56	5.856	1.281	0.5129	0.3474	0.1742
1971	19.31	3.389	1.287	0.5002	0.3366	0.09689
1972	16.4	3.03	1.293	0.5405	0.3671	0.1145
1973	16.42	3.205	1.258	0.491	0.3296	0.118
1974	16.4	3.146	1.25	0.5204	0.4091	0.1075
1975	16.4	3.143	1.286	0.4903	0.3286	0.09127
1976	18.29	3.21	1.388	0.5303	0.3551	0.0997
1977	16.53	3.009	1.205	0.4978	0.3347	0.1319
1978	18.02	3.163	1.293	0.4879	0.3285	0.1297
1979	16.4	3.138	1.281	0.4878	0.3557	0.1357
1980	16.42	2.978	1.215	0.517	0.3788	0.1097
1981	17.23	4.051	1.234	0.5084	0.3421	0.1698
1982	16.4	3.148	1.25	0.4876	0.342	0.1398
1983	16.52	3.151	1.223	0.5381	0.3665	0.131
1984	16.55	3.023	1.291	0.5086	0.3427	0.08836
1985	18.09	3.175	1.274	0.5151	0.3466	0.124
1986	16.4	3.072	1.245	0.484	0.3251	0.08657
1987	18.11	3.178	1.287	0.4914	0.3298	0.105
1988	17.09	3.162	1.264	0.5238	0.3533	0.1014
1989	16.4	3.188	1.268	0.5631	0.3861	0.1201
1990	16.4	3.031	1.388	0.6489	0.4434	0.1179

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	82.12	22.89	4.442	1.571	1.061	0.3666
0.0645161290322581	23.56	5.856	1.388	0.6489	0.4434	0.1742
0.0967741935483871	22.95	5.435	1.388	0.5712	0.4091	0.1698
0.129032258064516	19.31	4.051	1.312	0.5631	0.391	0.1502
0.161290322580645	18.29	3.389	1.293	0.5605	0.3882	0.1481

0.193548387096774	18.11	3.21	1.293	0.5405	0.3861	0.1398
0.225806451612903	18.09	3.205	1.291	0.5381	0.3788	0.1366
0.258064516129032	18.04	3.188	1.287	0.5303	0.3671	0.1357
0.290322580645161	18.02	3.178	1.287	0.5238	0.3665	0.1319
0.32258064516129	17.77	3.175	1.286	0.5204	0.3557	0.131
0.354838709677419	17.23	3.166	1.283	0.517	0.3551	0.1297
0.387096774193548	17.21	3.163	1.281	0.5151	0.3533	0.1258
0.419354838709677	17.09	3.162	1.281	0.5141	0.3481	0.124
0.451612903225806	16.55	3.162	1.274	0.5129	0.3474	0.1201
0.483870967741936	16.53	3.151	1.268	0.5086	0.3466	0.118
0.516129032258065	16.52	3.151	1.264	0.5084	0.3427	0.1179
0.548387096774194	16.42	3.148	1.258	0.5015	0.3421	0.1157
0.580645161290323	16.42	3.146	1.254	0.5002	0.342	0.1145
0.612903225806452	16.4	3.143	1.25	0.4978	0.3397	0.1118
0.645161290322581	16.4	3.138	1.25	0.4943	0.3371	0.1097
0.67741935483871	16.4	3.118	1.249	0.4914	0.3368	0.1076
0.709677419354839	16.4	3.111	1.245	0.491	0.3366	0.1075
0.741935483870968	16.4	3.08	1.245	0.4903	0.3347	0.105
0.774193548387097	16.4	3.072	1.234	0.4879	0.3298	0.1046
0.806451612903226	16.4	3.031	1.223	0.4878	0.3296	0.1014
0.838709677419355	16.4	3.03	1.215	0.4876	0.3286	0.0997
0.870967741935484	16.4	3.023	1.215	0.4855	0.3285	0.09689
0.903225806451613	16.4	3.009	1.215	0.484	0.3256	0.09127
0.935483870967742	16.4	2.978	1.205	0.4832	0.3251	0.08836
0.967741935483871	16.4	2.877	1.179	0.4693	0.3187	0.08657

0.1	22.586	5.2966	1.3804	0.57039	0.40729	0.16784

Average of yearly averages: 0.128666333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:
Output File: CAalmond
Metfile: w23232.dvf
PRZM scenario: CAalmond_WirrigSTD.txt
EXAMS environment file: pond298.exv
Chemical Name: Phosmet

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	317.3	g/mol		
Henry's Law Const.	henry	7.5e-9	atm-m^3/mol		
Vapor Pressure	vapr	4.5e-7	torr		
Solubility	sol	250	mg/L		
Kd	Kd	10.7	mg/L		
Koc	Koc		mg/L		
Photolysis half-life	kdp	0	days	Half-life	
Aerobic Aquatic Metabolism	kbacw	0	days	Halfife	
Anaerobic Aquatic Metabolism		kbacs	0	days	Halfife
Aerobic Soil Metabolism		asm	81	days	Halfife
Hydrolysis:	pH 7	0.39	days	Half-life	

Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	6.56	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-5	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1	interval	5	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	3		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run		IR	EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or total(average of entire run)	