Illinois
Environmental
Protection Agency

Bureau of Water
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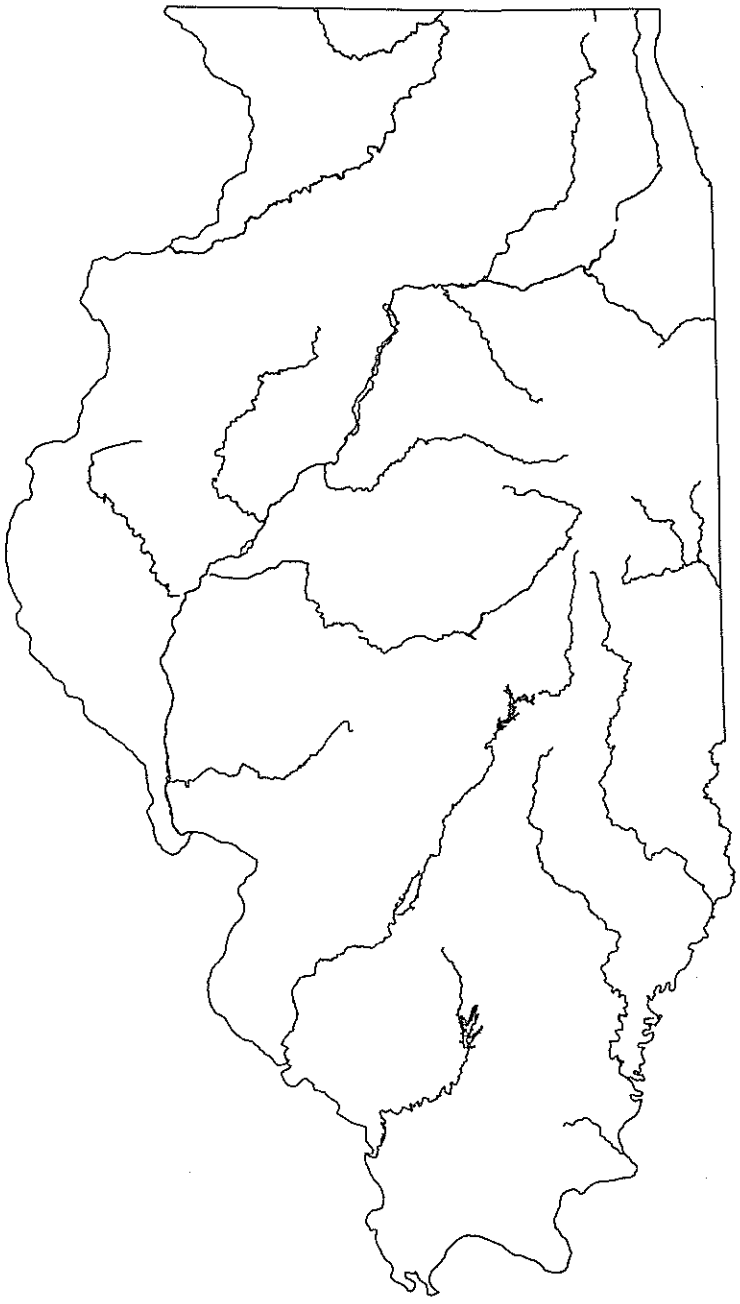
Surface Water Pesticide Monitoring of Illinois Streams: Summary of Results 1985-1998



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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Surface Water and Pesticide Monitoring of Illinois Streams: Summary of Results 1985-1998 IEPA/BOW/00-002. February 2001.

Errata: Please note that pages 21-25 were erroneously duplicated.

Matt Short
05/01/2001

Surface Water Pesticide Monitoring of Illinois Streams: Summary of Results 1985 - 1998

Prepared By

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State of Illinois
Environmental Protection Agency
Bureau of Water
Surface Water Section

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INTRODUCTION

Since October 1985, the Illinois EPA has routinely monitored streams throughout Illinois for commonly used herbicides and pesticides. Analysis has included seven herbicides: alachlor, atrazine, butylate, cyanazine, metolachlor, metribuzin and trifluralin; seven organophosphate insecticides: chlorpyrifos, diazinon, fonofos, malathion, methyl parathion phorate and terbufos; and one fungicide: captan. In addition, organochlorine pesticides, which have been banned (or severely limited in use), along with polychlorinated biphenyls (PCBs) were included as part of the analysis. These compounds included aldrin, dieldrin, total DDT and its isomers, total chlordane as isomers, endrin, methoxychlor, alpha-BHC, gamma-BHC (lindane) hexachlorobenzene and pentachlorophenol (PCP). Initially a 30 station subnetwork was established within the existing 211 station ambient water quality monitoring network (AWQMN) operated by the Illinois EPA (Appendix A). Sampling occurred approximately five times per water year (October through September). Goals included characterizing pesticide concentrations within selected locations, characterizing seasonal variations, and developing a baseline dataset for looking at long term trends in pesticide concentrations. The results of the initial three years were presented in a report by Moyer and Cross (1990) which also included results from the intensive sampling of storm events during May 1989, on Macoupin Creek (DA 09) and Spring Creek (EL 01). Since that initial report, several changes have occurred to the original pesticide monitoring subnetwork (PMN). The purpose of this report is to document changes and summarize the results to date.

As stated above, the PMN was initially comprised of 30 stations with the goal that four of these would be from urban or non-agricultural areas and the rest in the predominantly agricultural part of the state. Sampling occurred five times per year, once in the summer, fall and winter and twice in the spring. Beginning with the 1991 water year (i.e., October 1991) sampling was reduced to three times per year to reflect the periods of preapplication, application, and post application (Figure 1). In 1996, the Illinois EPA began a five year basin sampling rotation with the goal of assessing all the major drainage basins in the state once every five years. As part of that program, it was seen as desirable to be able to better quantify pesticides levels within the watersheds. Because of this, the stations changed from the original network to reflect the five year basin rotation. However, five of the original stations: Macoupin Creek (DA 06), Bay Creek (KCA 01), Bear Creek (KI 02), Mackinaw River (DK 13) and the Sangamon River (E 28), have been sampled continuously over the 14 years. Four additional streams have 13 years of data including the La Moine River (DG 01 and DG 04), Spoon River (DJ 08), Green River (PB 04) and Elkhorn Creek (PH 16).

RESULTS

A total of 1,806 stream surface water samples collected by the Illinois EPA were analyzed for currently used pesticides between October 1985 and December 1998. Table 1 and Figure 2 illustrate the summary statistics for the statewide data set along with the detection levels of the pesticides monitored. Atrazine was the most commonly detected herbicide and was present in 71.4 percent of the samples, followed by metolachlor (54.8%), cyanazine (49.5%), alachlor (44.4%), metribuzin (12.6%) and trifluralin (6.7%). Dicamba had a detection rate of

13.1 percent however, it was only analyzed in 84 samples. Terbufos was detected in 6 of 1,802 samples and the remaining pesticides were detected in at least one sample. For comparison, a summary of pesticides applied to corn and soybeans in 1998 is provided in Table 2. Atrazine was the most widely used herbicide on fields planted in corn and was applied to 78 percent of the acres. Glyphosphate (Roundup) was the most commonly used herbicide on fields planted with soybeans and was applied on 59 percent of those acres. However, glyphosphate was not included in the compounds analyzed.

Organochlorine and PCB concentrations analyzed along with organophosphate pesticides from stream surface water samples are summarized in Table 3. Sample numbers are somewhat higher (n ~ 400 samples) due to the fact that these compounds were collected as part of other monitoring subnetworks over the same October 1985 to December 1998 time period. With the exception of pentachlorophenol (PCP) detection rates were less than 0.4 percent. Detections of PCP, a wood preservative, occurred in 21.1 percent of the samples. However, in 1997 the minimum reported value was raised from 0.01 µg/L to 0.10 µg/L as a result of a change in analytical method. Concentrations and detections of PCP appeared to be declining over time before this change (Figure 3). It is interesting to note that decline also corresponds with the elimination of sampling from the Des Plaines River (G 15) after 1991, where PCPs were detected in 73.3 percent of the samples.

Data from individual stations for the seven most commonly detected pesticides: alachlor, atrazine, cyanazine, metolachlor, metribuzin, trifluralin and PCP are presented in Appendix B. Figures 4 through 8 are box plots illustrating the range of concentrations by water year for the five most commonly detected organophosphate pesticides based on the entire dataset. The box plots represent the 10^{th} (bottom tail), 25^{th} (bottom of box), 75^{th} (top of box), and 90^{th} (top tail) percentiles of the data. The bottom tail generally does not show because the 25^{th} percentile (bottom line of the box) fell into the minimum reporting level for all the parameters. Likewise, no graph was included for trifluralin because the minimum reported level (0.01 µg/L) was found in more than 90% of the samples. Figures 9 through 12 are box plots of alachlor, atrazine, cyanazine and metolachlor by season. Seasons were defined as: Fall (October, November, December), Winter (January, February, March), Spring (April, May, June) and Summer (July, August, September). Again, trifluralin and metribuzin were not included because the low rates of detection resulted in no significant seasonal variation which could be illustrated. Figure 13 illustrates the median concentration of atrazine, metolachlor and cyanazine by watershed.

Trend analysis was one of the original goals of the network. However, due to the changes in sampling frequency, station selection, the effects of seasonality (flow and rainfall) and the large number of values at the reporting limits, a detailed evaluation of trends is not included in this report. A cursory look at atrazine (since it had the highest percentage of values above the minimum reporting level) revealed some patterns. Stations were limited to those with 13 or 14 years of data and included 10 of the original PMN stations. An ANOVA (analysis of variance) was used to test if the differences in mean atrazine concentrations between years, months and stations was significant. The null hypothesis (H_o) was that there was no significant difference at the $p \leq 0.05$ level. Although the ANOVA can indicate that a significant difference exists between the means, it cannot indicate which means differ from one another. In order to further delineate between years, months and stations, a TUKEY test was used to evaluate the

significance of differences (SYSTAT, 1997). These comparisons were run on the raw data. Box plots comparing stations are shown in Figure 14. Results of the statistical tests are provided in Appendix C and can be summarized as follows:

YEARS: The comparison indicated that there were no statistically significantly differences between years. This suggests no widespread increasing or decreasing trend in atrazine concentration over time in Illinois streams.

MONTHS: Concentrations of atrazine from samples collected during the months of May and June were statistically significantly higher than the other months but were not significantly different from each other. Since the months of February and December consisted of only five samples each, their results were disregarded for this comparison.

STATIONS: Bay Creek (KCA 01) and Bear Creek (KI 02) were similar in mean atrazine concentrations and were significantly higher than the Spoon River (DJ 08), Mackinaw River (DK 13), Sangamon River (E 28) and the Green River (PB 04). Bear Creek was also significantly higher than the La Moine River (DG 04). Concentrations of atrazine in Macoupin Creek (DA 06), the La Moine River (DG 01) and Elkhorn Creek (PH 16) were not significantly different from the other stations.

RECOMMENDATIONS

1. Breakdown products of commonly used pesticides should be analyzed for. The USGS has found that these products are more frequently detected than the parent compounds.
2. Due to its widespread use, Glyphosphate (Roundup) should be added to the routine parameter list.
3. Currently, sampling is limited to 30 stream stations statewide per year. In order to better utilize this, a small number of stations (n=5) should be sampled on the same rotation as the other AWQMN samples (i.e. once every 6 weeks) to evaluate long term trends. These should include Lusk Creek (AK 02), the Little Wabash River near Louisville (C 19), the Des Plaines River at Schiller Park (G 15), Bear Creek (KI 02) and the Sangamon River at Monticello (E 28). The remaining 25 stations would continue to be sampled 3 times per year at AWQMN stations in the intensive basin rotation.
4. A follow up report should be conducted in 5 years to evaluate long term trends.

References:

Moyer, L. and J. Cross. 1990. Pesticide Monitoring: Illinois EPA's Summary of Results 1985-1989. IEPA/WPC/90-297. Springfield, Illinois.

SYSTAT. 1997. SYSTAT 7.0 for Windows. SPSS Inc. Chicago, Illinois.

Table 1. Summary of pesticides in stream surface water samples collected by the Illinois EPA , October 1985 through December 1998.

	77825 ALACHLOR TOTAL µg/L	39630 ATRAZINE WHL SMPL µg/L	81410 BUTYLATE TOT µg/L	81757 CYANAZIN WHL WAT µg/L	39356 METOCLR (DUAL) µg/L	81408 MTRBUZIN TOT µg/L	81284 TREFLAN TOT µg/L	39640 CAPTAN WHL SMPL µg/L
PCTL(010.0)	0.02	0.05	0.05	0.05	0.1	0.05	0.01	0.05
PCTL(025.0)	0.02	0.05	0.05	0.05	0.1	0.05	0.01	0.05
PCTL(050.0)	0.02	0.28	0.05	0.06	0.12	0.05	0.01	0.05
PCTL(075.0)	0.08	1	0.05	0.34	0.43	0.05	0.01	0.05
PCTL(090.0)	0.3	4	0.2	1.7	1.5	0.09	0.01	0.05
PCTL(095.0)	0.77	7.4	0.5	3.6	2.7	0.24	0.014	0.05
NUMBER	1804	1805	1801	1806	1805	1803	1804	1804
MAXIMUM	18	80	2	38	27	13	0.73	0.2
MINIMUM	0.02	0.047	0.05	0.01	0.022	0.015	0.01	0.05
MEAN	0.1760	1.5198	0.0957	0.7322	0.5936	0.0940	0.0128	0.0501
STAND DEV	0.7034	4.0907	0.1328	2.5163	1.3846	0.3670	0.0257	0.0037
STAND ERR	0.0166	0.0963	0.0031	0.0592	0.0326	0.0086	0.0006	0.0001
NONDETECTS	1003	517	1797	912	815	1576	1684	1802

	81403 DURSBAN TOT µg/L	39570 DIAZINON WHL SMPL µg/L	81294 DYFONATE TOT µg/L	39530 MALATHN WHL SMPL µg/L	46313 PHORATE WHL SMPL µg/L	82088 TERBUFOS TOTAL µg/L	39730 2,4-D WHL SMPL µg/L	39760 SILVEX WHL SMPL µg/L
PCTL(010.0)	0.05	0.05	0.05	0.05	0.05	0.05	7	0.5
PCTL(025.0)	0.05	0.05	0.05	0.05	0.05	0.05	7	0.5
PCTL(050.0)	0.05	0.05	0.05	0.05	0.05	0.05	7	5
PCTL(075.0)	0.05	0.05	0.05	0.05	0.05	0.05	7	5
PCTL(090.0)	0.05	0.05	0.05	0.05	0.05	0.05	7	5
PCTL(095.0)	0.1	0.05	0.1	0.15	0.25	0.1	7	5
NUMBER	1802	1802	1802	1802	1802	1802	84	84
MAXIMUM	0.6	0.2	5	0.15	0.25	0.18	8.8	5
MINIMUM	0.02	0.05	0.05	0.05	0.05	0.05	7	0.5
MEAN	0.0534	0.0501	0.0572	0.0553	0.0607	0.0527	7.0214	3.5000
STAND DEV	0.0218	0.0037	0.1310	0.0224	0.0449	0.0115	0.1966	2.1341
STAND ERR	0.0005	0.0001	0.0031	0.0005	0.0011	0.0003	0.0214	0.2328
NONDETECTS	1797	1798	1800	1801	1801	1796	83	84

	30200 DALAPON WTR,WHL µg/L	38442 DICAMBA (BANVEL) DISS µg/L	30191 DINOSEB WTR,WHL REC µg/L	39720 PICLORAM WHL SMPL µg/L	79193 ACIFLUEN WATER µg/L	81894 EPTC WHL WAT µg/L	39600 MPARATHN WHL SMPL µg/L
PCTL(010.0)	20	0.25	0.7	50	0.5	0.5	0.05
PCTL(025.0)	20	0.25	0.7	50	0.5	0.5	0.05
PCTL(050.0)	20	0.25	0.7	50	0.5	0.5	0.05
PCTL(075.0)	20	0.25	0.7	50	0.5	0.5	0.05
PCTL(090.0)	20	0.29	0.7	50	0.5	0.5	0.05
PCTL(095.0)	20	0.52	0.7	50	0.5	0.5	0.1
NUMBER	84	84	84	84	56	95	1802
MAXIMUM	20	8.6	0.7	50	0.5	0.5	0.1
MINIMUM	20	0.25	0.7	50	0.5	0.5	0.05
MEAN	20	0.3786	0.700	50	0.5	0.5	0.0527
STAND DEV	0	0.9165	0	0	0	0	0.0112
STAND ERR	0	0.1000	0	0	0	0	0.0003
NONDETECTS	84	73	84	84	56	95	1801

Table 2. Summary of pesticides applied in Illinois during 1998.
Source: Illinois Agriculture Statistics Annual Summary 99-1.

	Area applied (%)		Thousands of pounds	
	10.45 million acres	10.55 million acres		
	Corn	Soybeans	Corn	Soybeans
Herbicides				
2-4D	24	13	1097	654
Acetochlor	25		5158	
Aciflourfen		4		85
Atrazine	78		10499	
Bentazon	3	7	153	757
Bromoxynil	8		221	
Chlorimuron-ethyl		14		26
Clethodim		3		42
Clomazone		4		364
Clopyralid	2		22	
Cloransulam-methyl		1		2
Cyanazine	22		4110	
Dicamba	6		242	
Dicamba, Pot. Salt	11		514	
Dimethenamid	7	1	919	130
Fenoxaprop		6		91
Fluazifop-P-Butly		7		37
Flumetsulam	3		15	
Fomesafen		3		115
Glyphosate	5	59	355	5090
Imazamox		10		32
Imazaquin		2		11
Imazethapyr		12		59
Metolachlor	32	2	7394	402
Metribuzin		5		104
Nicosulfuron	5		16	
Paraquat	5		276	
Pendimethalin		16		2044
Primisulfuron	4		10	
Prosulfuron	4		4	
Quizalofop-ethyl		2		15
Sethoxydim		11		229
Simazine	2		179	
Sulfentrazone		8		83
Thifensulfuron		3		1
Trifluralin		8		725
Insecticides				
Chlorethoxyfos	2		34	
Chlorpyrifos	8		898	
Cyfluthrin	2		1	
Lambda-cyhalothrin	3		5	
Permethrin	1		5	
Tebupirimphos	2		20	
Tefluthrin	7		67	
Terbufos	5		489	

Table 3. Summary of organochlorine compounds and PCBs in stream surface water samples collected by the Illinois EPA, October 1985 through December 1998.

	39516 PCBS WHL SMPL UG/L	39330 ALDRIN TOT UG/L	39380 DIELDRIN TOTUG/L	39370 DDT WHL SMPL UG/L	39327 O P DDE WHL SMP L UG/L	39320 P,P'DDE TOT UG/L	39315 O,P' DDD WHL SMPL UG/L	39310 P,P'DDD TOT UG/L	39305 O,P' DDT WHL SMPL UG/L
NUMBER	2229	2229	2229	2222	1864	2229	1864	2229	1864
MAXIMUM	1.3	0.02	0.032	0.1	0.02	0.02	0.02	1	0.02
MINIMUM	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
MEAN	0.0981346	0.0097078	0.0098207	0.0134773	0.0096807	0.0097123	0.0096807	0.0101558	0.0096807
STAND DEV	0.0315406	0.001619	0.0020866	0.0181616	0.0016915	0.0016336	0.0016915	0.0210216	0.0016915
STAND ERR	0.0006681	0.0000343	0.0000442	0.0003853	0.0000392	0.0000346	0.0000392	0.0004453	0.0000392
NONDETECT	2225	2228	2193	2221	1864	2228	1864	2229	1864

	39300 P,P'DDT TOT UG/L	39350 CHLRDANE TECH&MET TOT UG/L	39065 CHLORDAN T ISOMER WWS-UG/L	39062 CHLORDAN C ISOMER WWS-UG/L	39068 NONACHLR C ISOMER WWS-UG/L	39071 NONACHLR T ISOMER WWS-UG/L	39390 ENDRIN TOT UG/L	39480 MTHXYCLR WHL SMPL UG/L	39337 ALPHABHC TOTUG/L
NUMBER	2229	2225	2132	2130	293	293	2229	2229	2227
MAXIMUM	0.02	0.1	0.032	0.044	0.01	0.01	0.02	0.11	0.03
MINIMUM	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
MEAN	0.0097078	0.022785	0.0097278	0.0097231	0.0098152	0.0098152	0.0097096	0.0486046	0.0097166
STAND DEV	0.001619	0.0165206	0.0017925	0.0018512	0.0012798	0.0012798	0.0016116	0.0083706	0.0016758
STAND ERR	0.0000343	0.0003502	0.0000388	0.0000401	0.0000748	0.0000748	0.0000341	0.0001773	0.0000355
NONDETECT	2227	2219	2123	2124	293	293	2229	2224	2225

	39340 GAMMABHC LINDANE TOT.UG/L	39700 HCB TOT UG/L	39032 PCP TOT UG/L
NUMBER	2229	2226	2077
MAXIMUM	0.05	0.02	10
MINIMUM	0.001	0.001	0.001
MEAN	0.0097527	0.0097119	0.024003
STAND DEV	0.0019295	0.0016347	0.223076
STAND ERR	0.0000409	0.0000346	0.0048948
	2223	2225	1639

Figure 1. Comparison of the number of samples collected per water year with mean atrazine concentrations. Illinois EPA AWQMN data (10/85-12/98).

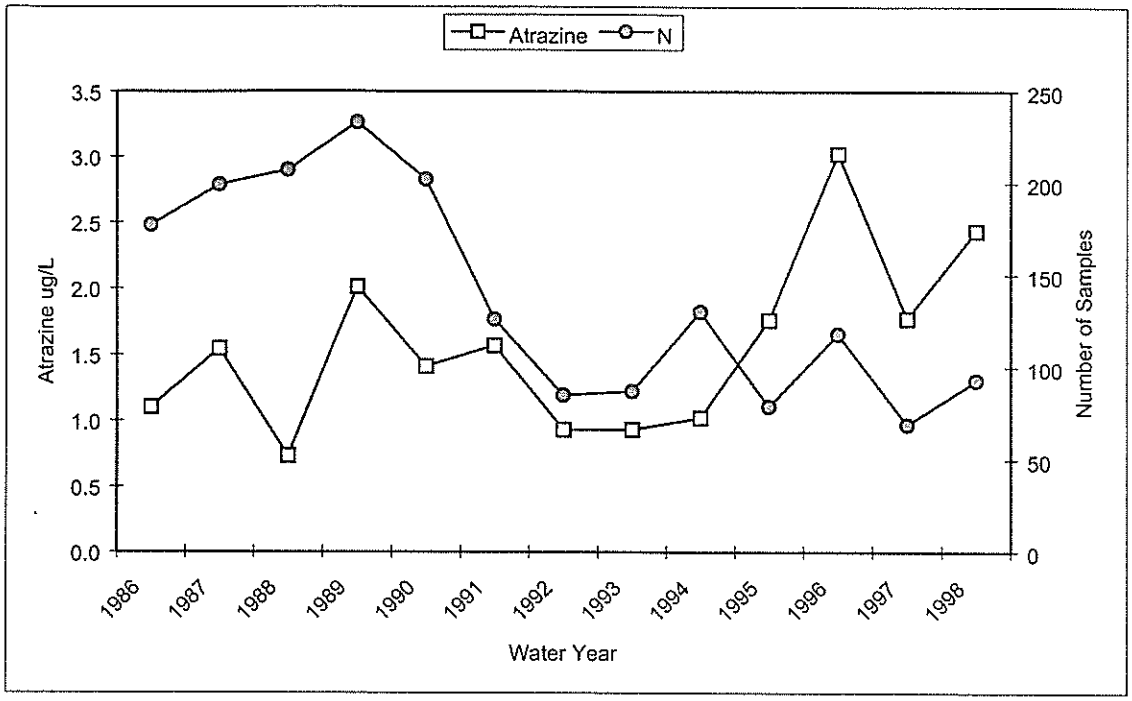

Figure 2. Frequency of detection for organophosphate pesticides analyzed in stream samples between October 1985 and December 1998.

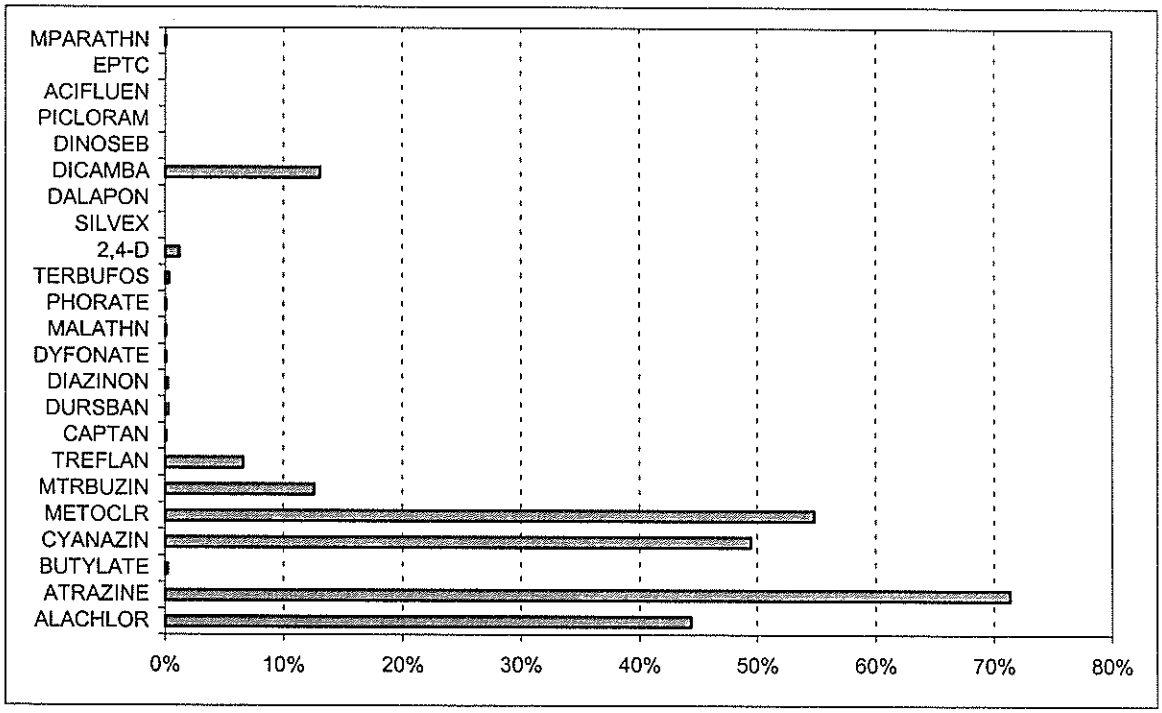

Figure 3. Box plot of annual pentachlorophenol concentrations from Illinois EPA AWQMN (10/85-12/98).

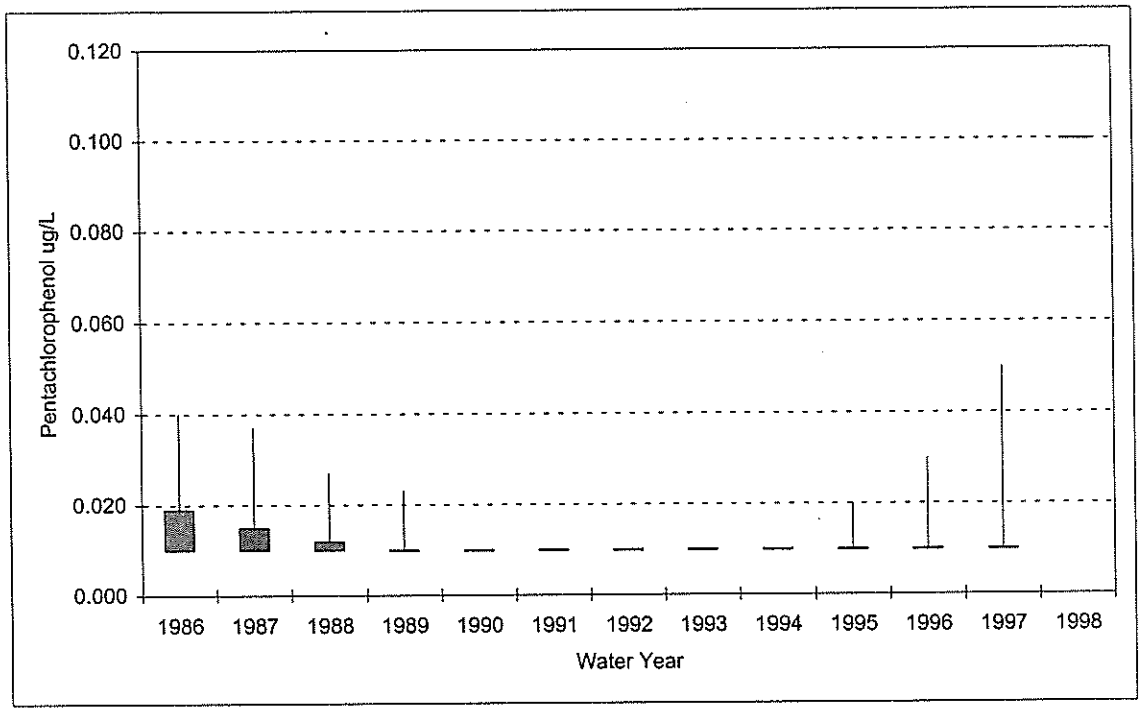

Figure 4. Box plots of annual alachlor concentrations from Illinois EPA AWQMN (10/85-12/98).

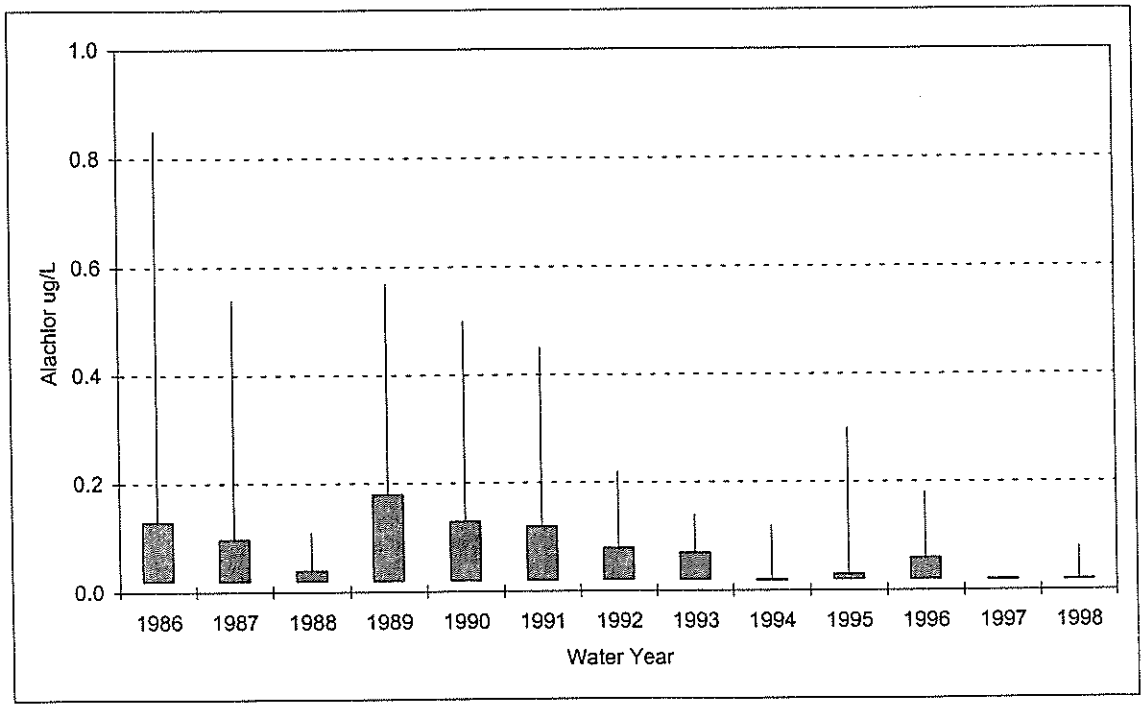

Figure 5. Box plots of annual atrazine concentrations from Illinois EPA AWQMN (10/85-12/98).

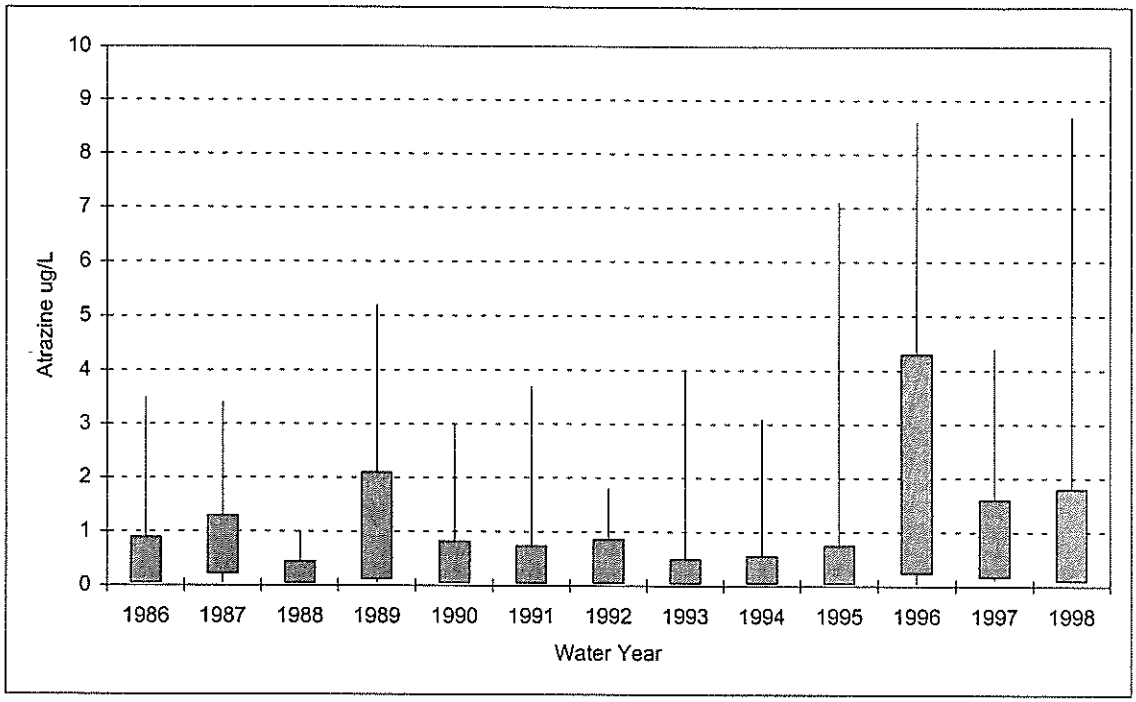

Figure 6. Box plots of annual cyanazine concentrations from Illinois EPA AWQMN (10/85-12/98).

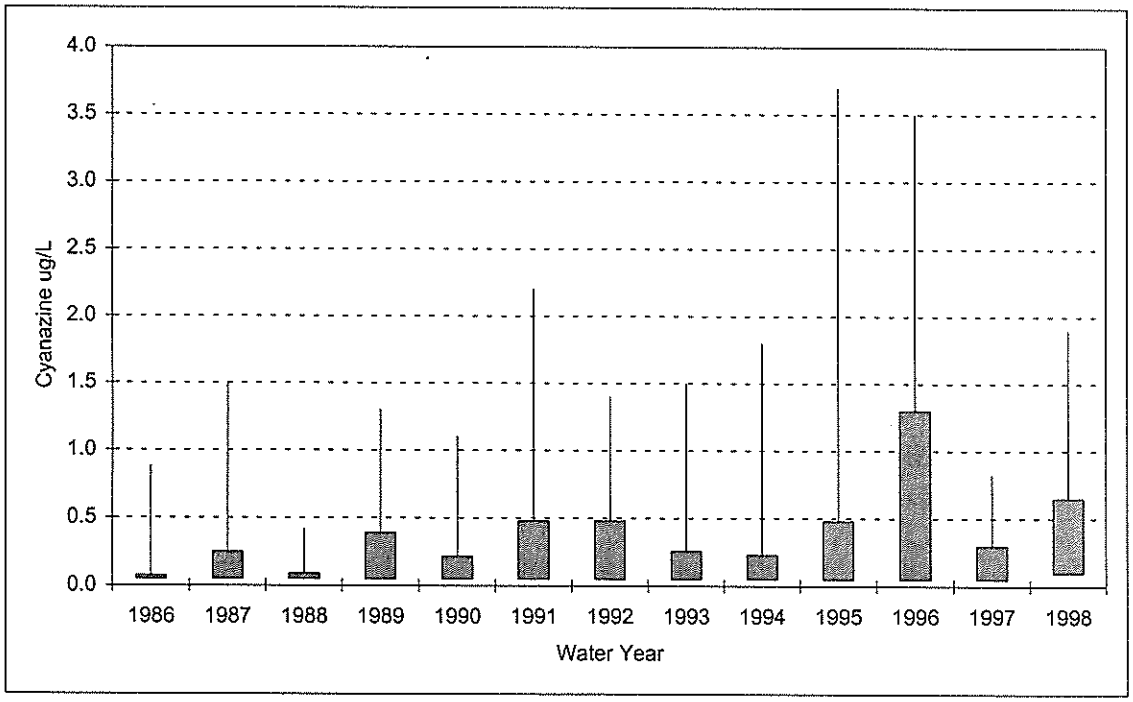

Figure 7. Box plots of annual metolachlor concentrations from Illinois EPA AWQMN (10/85-12/98).

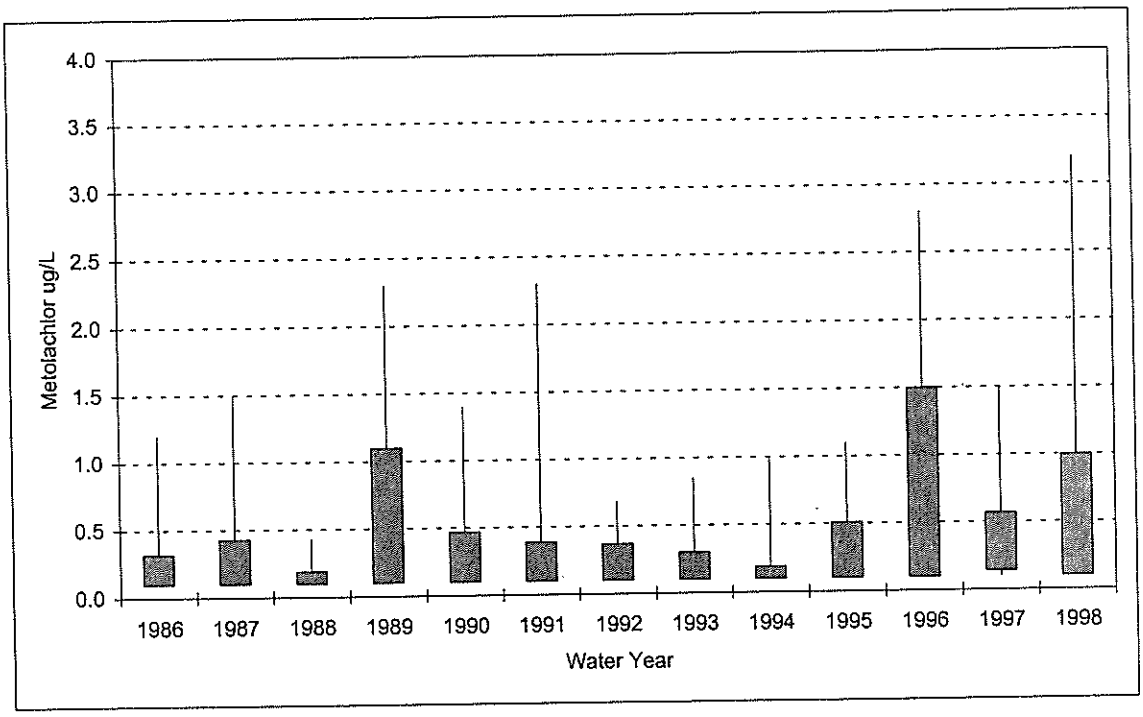

Figure 8. Box plots of annual metribuzin concentrations from Illinois EPA AWQMN (10/85-12/98).

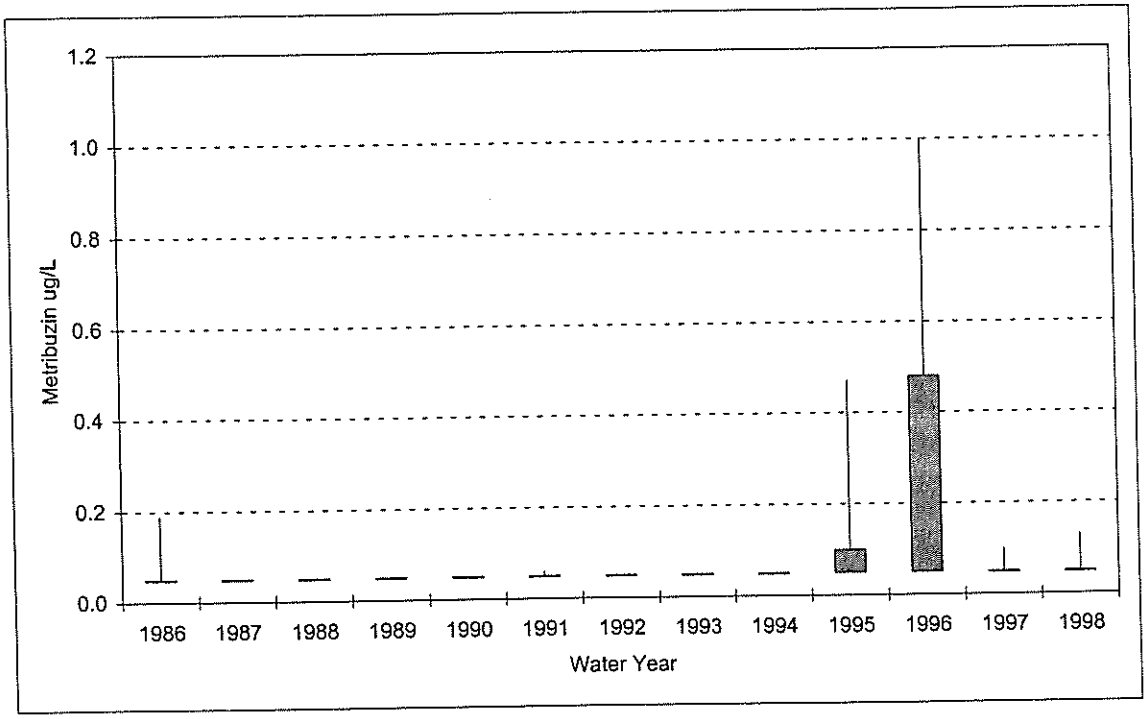

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Figure 9. Seasonal box plot comparisons of alachlor from Illinois EPA AWQMN (10/85-12/98).

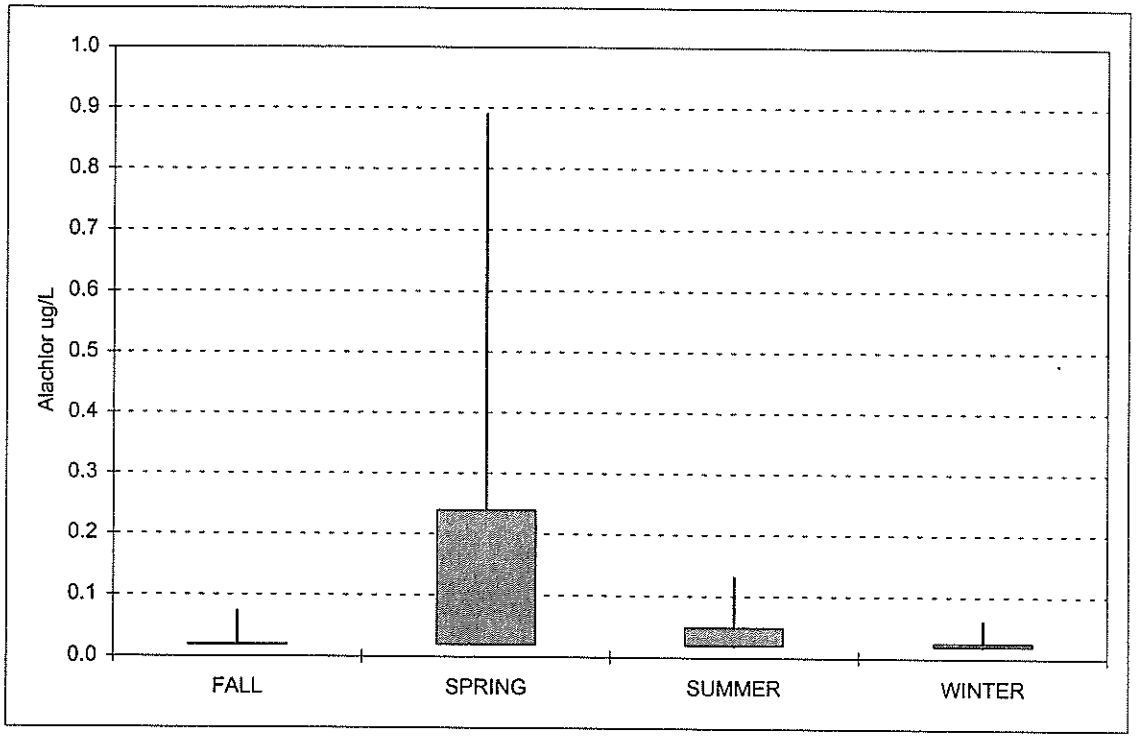

Figure 10. Seasonal box plots of atrazine concentrations from Illinois EPA AWQMN (10/85-12/98).

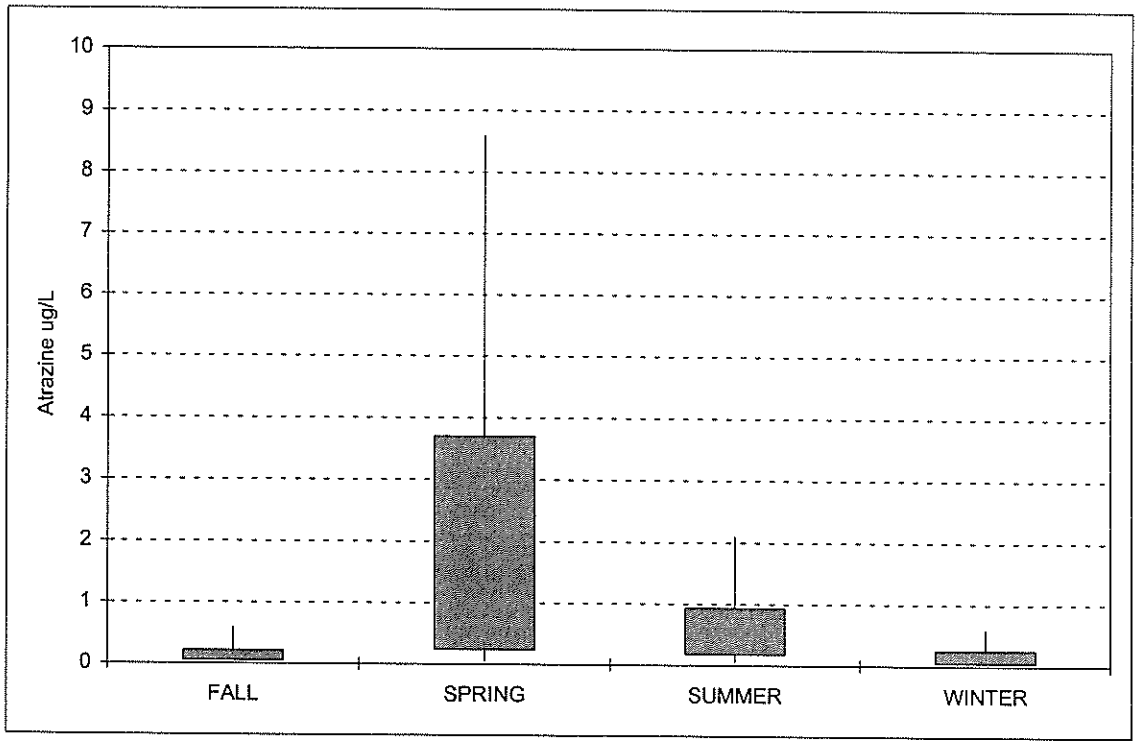

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Figure 11. Seasonal box plots of cyanazine concentrations from Illinois EPA AWQMN (10/85-12/98).

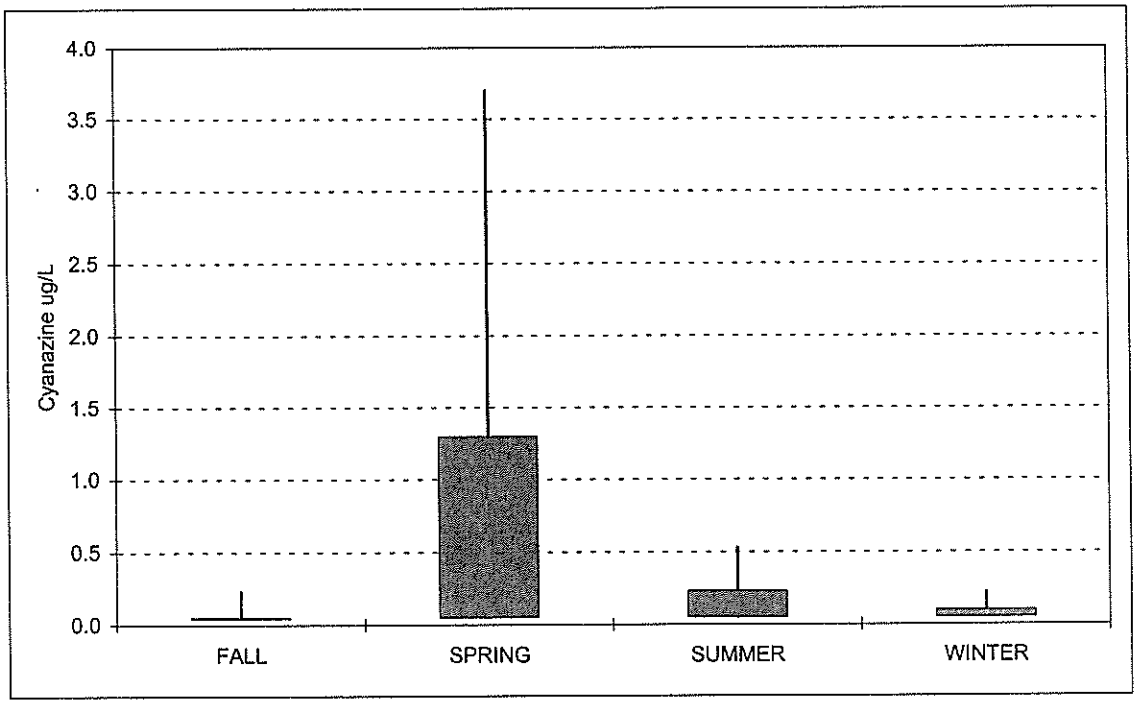
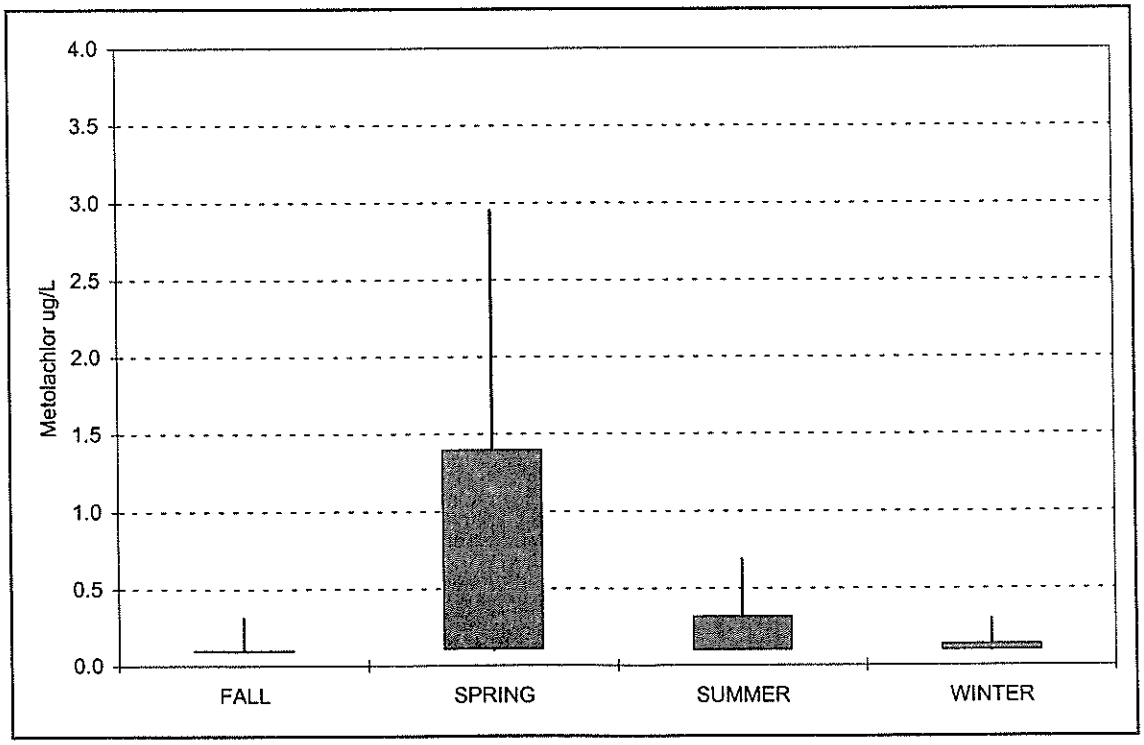
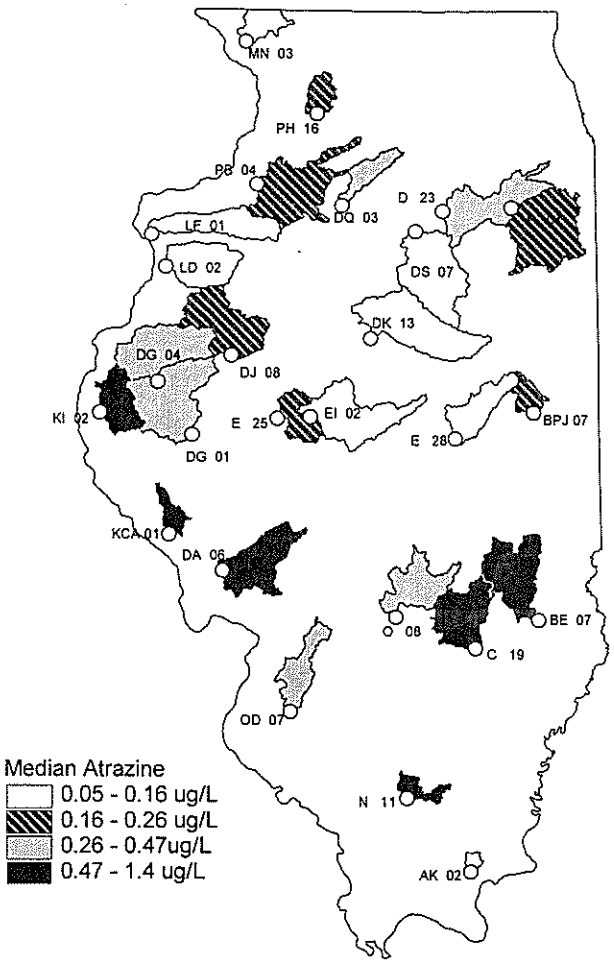
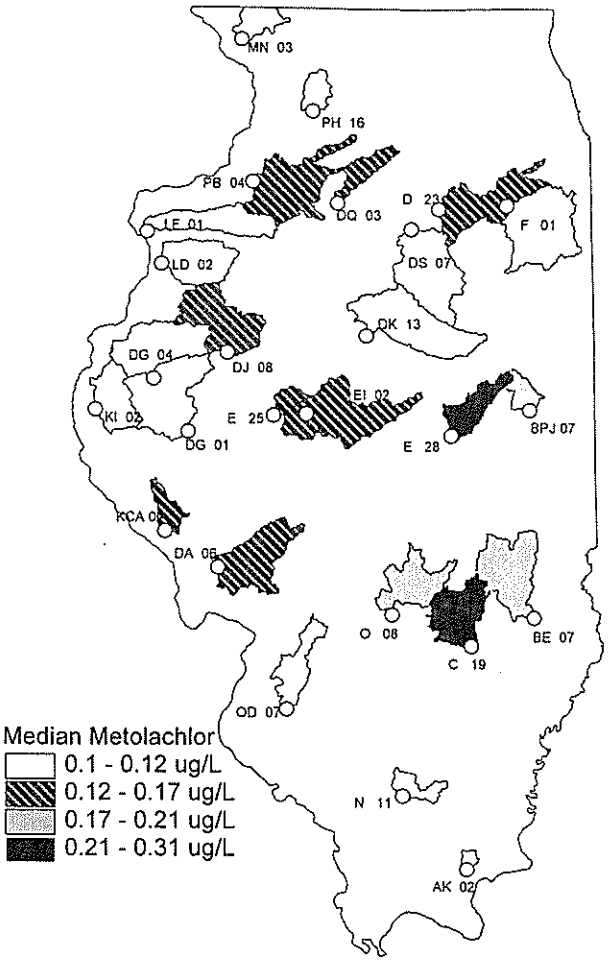


Figure 12. Seasonal box plots of metolachlor concentrations from Illinois EPA AWQMN (10/85-12/98).







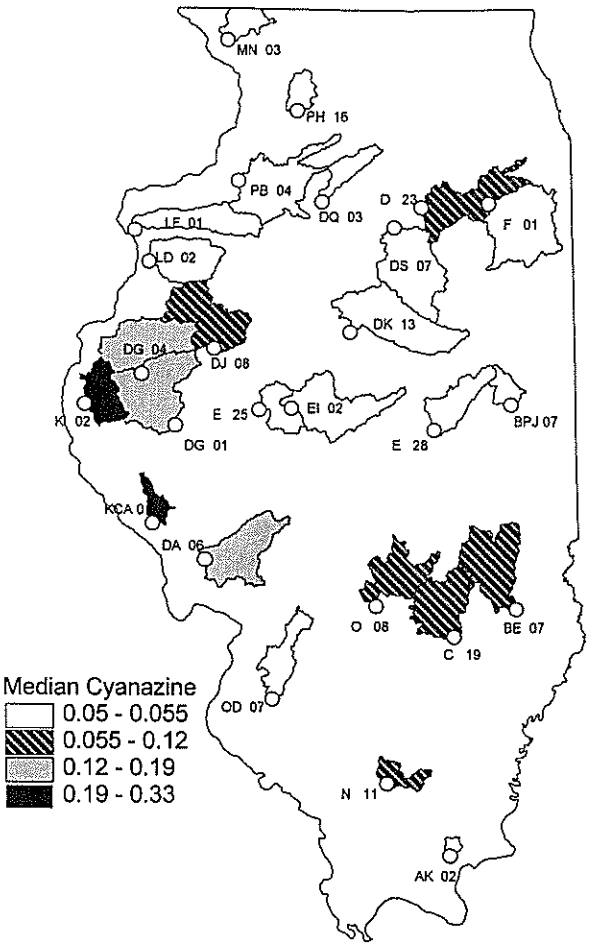
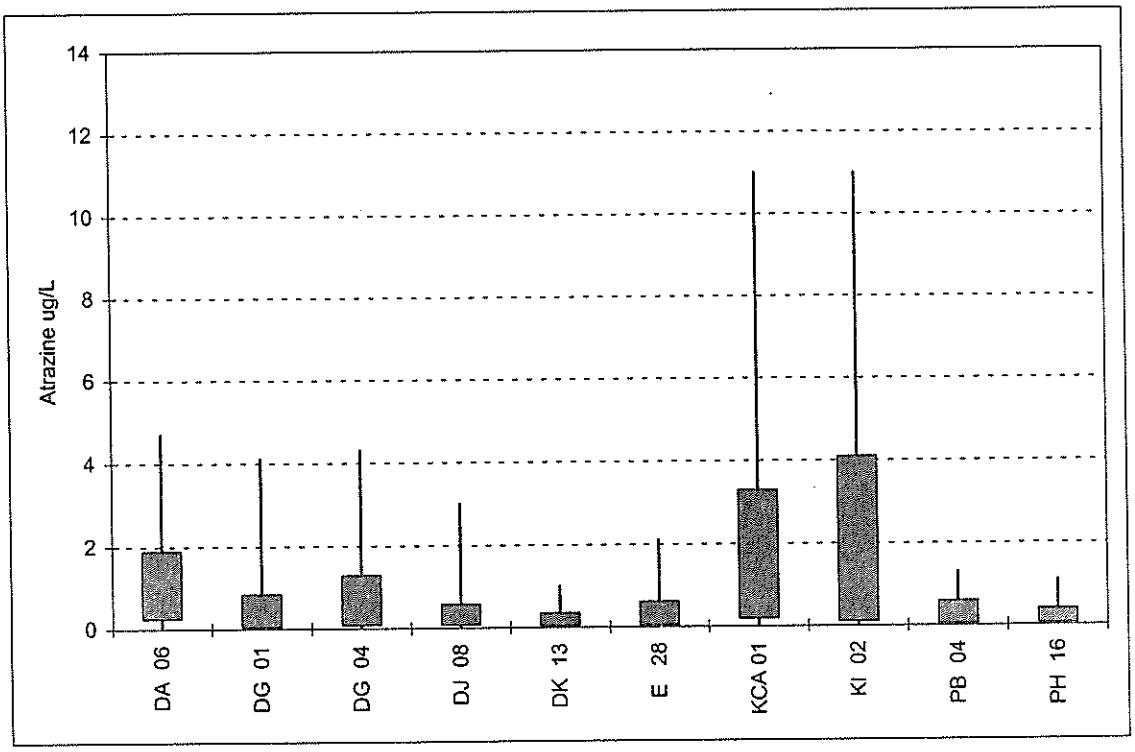
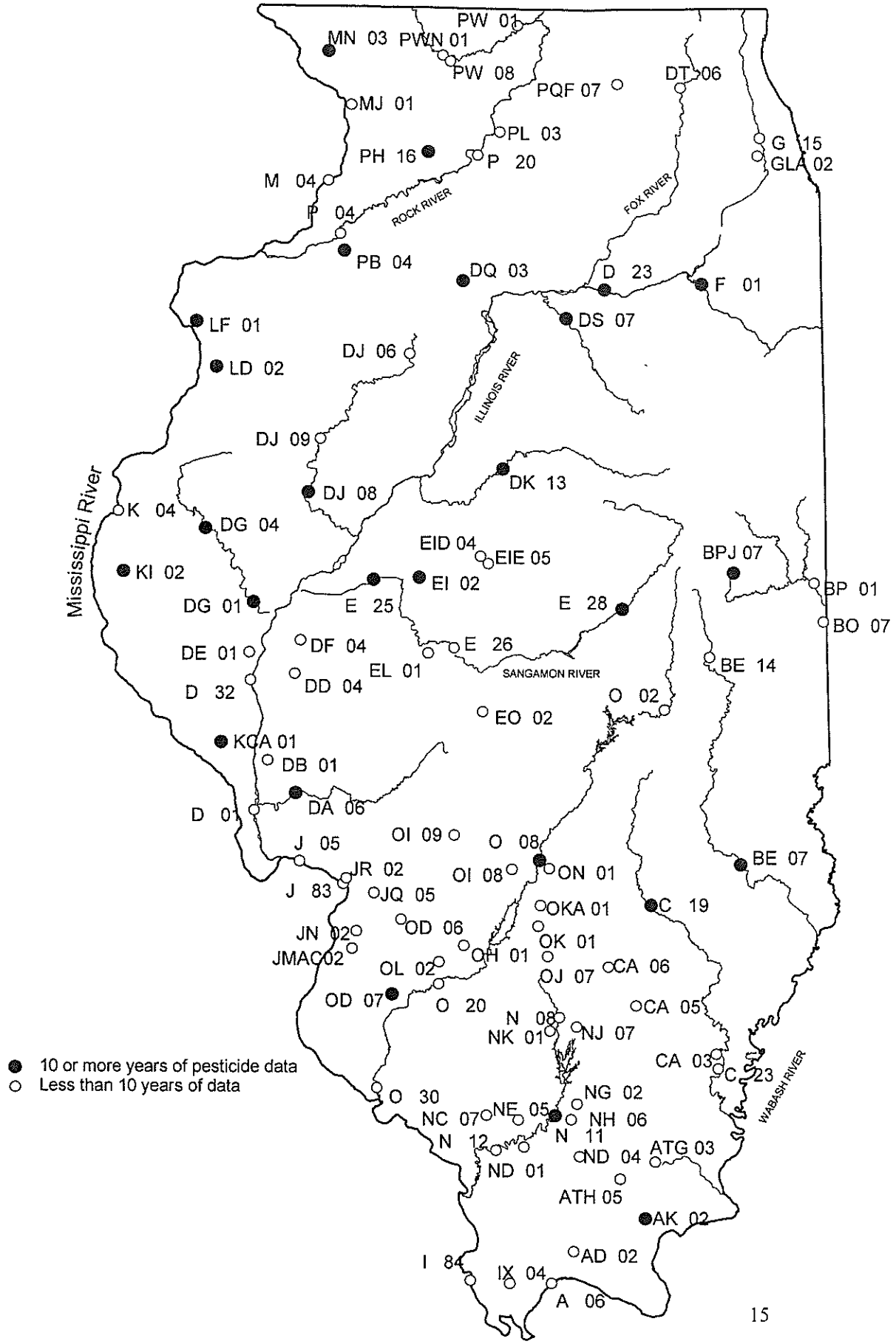


Figure 13. Comparisons of long term median concentrations from Illinois EPA AWQMN stations with at least 10 years of pesticide data (October 1985 - Sept ember 1998). Limited to the three most commonly detected pesticides in Illinois streams.

Figure 14. Box plot comparisons of atrazine concentrations from stations with 13 or 14 years of pesticide data from Illinois EPA AWQMN (10/85-12/98).



Appendix Figure A -1. 2000 Pesticide Results update. Location of Illinois EPA AWQMN stations with at least one pesticide sample.



Appendix A. Illinois EPA Ambient Water Quality Monitoring Network (AWQMN) Station List.

IEPA Station Code	USGS Station Code	Stream Name	Description	Drainage Area (sq. mi.)	County	21ILAMB Latitude	Longitude
Ohio River Basin (A)							
*A 06	03612500	Ohio River	North end of Dam 53, E of Olmsted	203,100	Pulaski	371213	890227
AD 02	03612000	Cache River	Co. Rd. Br., 1 mi NE of Belknap	244	Johnson	372011	885526
AK 02	03384450	Lusk Creek	Co. Rd. Br., 2.8 mi SE of Eddyville	43	Pope	372820	883250
AT 06	03382530	Saline River	Peabody Br., 1.3 mi E of Gibsonia	1,062	Gallatin	373853	881430
ATF 04	03382325	North Fork Saline River	Rt. 45 Br., 5.1 mi NE of Eldorado	173	Saline	375318	882306
ATG 03	03382205	Middle Fork Saline River	Co. Rd. Br., 2.7 mi SE of Harrisburg	233	Saline	374228	882931
ATGC01	03382185	Bankston Creek	Rt. 34 Br., 2.5 mi N of Harrisburg	78	Saline	374605	883225
ATH 02	03382055	South Fork Saline River	Co. Rd. Br., 3.4 mi S of Crab Orchard	75	Williamson	373723	884844
ATH 05	03382100	South Fork Saline River	Rt. 45 Br., 3.8 mi SW of Carrier Mills	147	Saline	373816	884040
ATHG01	03382090	Sugar Creek	Co. Rd. Br., 5.1 mi NE of Creal Springs	92	Williamson	373919	884548
ATHG05		Sugar Creek	Co. Rd. Br., ups Palzo area, Creal Springs		Williamson	373908	884728
Wabash River Basin (B,C)							
B 03	03378605	Wabash River	Rt. 141 Br. SE of Carmi, IL, New Haven, IN		White	375638	880212
B 06	03341920	Wabash River	IN. Rt. 154 br. at Hutsonville	12,986	Crawford	390637	873918
*B 07	03378500	Wabash River	Rt. 14 br. near New Harmony, IN.	29,234	White	380755	875625
BC 02	03378000	Bonpas Creek	Rt. 15 br., 0.6 mi NE of Browns	228	Edwards- Wabash	382311	875832
BE 01	03346550	Embarras River	Co. Rd. Br., 1.3 mi E of Billet	2,403	Lawrence	383954	873735
BE 07	03345500	Embarras River	Co. Rd. Br. at N edge of Ste. Marie	1,516	Jasper	385610	880110
BE 09	03344000	Embarras River	Ryan Br., Co. Rd., 9 mi S of Charleston	919	Cumberland	392040	881015
BE 14	03343395	Embarras River	Co. Rd. Br. W edge of Carmargo	180	Douglas	394759	881013
BEF 05	03346000	North Fork Embarras River	Co. Rd. Br., 2.8 mi W of Oblong	318	Crawford	390037	875647
BF 01	03342050	Sugar Creek	Twp. Rd. Br., NE of Palestine near ICRR	36	Crawford	390016	873550
BM 02	03341540	Sugar Creek	Co Rd. Br. 1 mi from the Indiana line	61	Edgar	392953	873311
BN 01	03341414	Brouiletts Creek	IN. Rt. 71 Br., 0.5 mi N of Blanford, IN.	260	Vermillion, IN	394053	873116
BO 07	03339147	Little Vermilion River	Co. Rd. Br. 4 mi SE of Georgetown	191	Vermilion	395629	873305
BP 01	03339000	Vermilion River	Grape Creek Road 3.5 mi SE of Danville	1,290	Vermilion	400603	873552
BPG 09	03338780	North Fork Vermilion River	2 mi W of Bismark on Co. Rd.	262	Vermilion	401613	873834
BPJ 03	03338097	Salt Fork Vermilion River	Co. Rd. Br. 3.0 mi S of Oakwood	489	Vermilion	400456	874653
BPJ 07	03336900	Salt Fork Vermilion River	Co. Rd. Br. 2.5 mi N of St. Joseph	134	Champaign	400855	880200
BPJC06	03337700	Saline Branch	Co. Rd. Br. 1.0 mi N of Mayview	82	Champaign	400759	880615
BPK 07	03336645	Middle Fork Vermilion River	Kickapoo St. Park Br. upstream of I-74 Br.	432	Vermilion	400812	874445
C 09	03379600	Little Wabash River	W. Salem-Mt. Erie Rd. Br., SW edge of Blood	1,387	Edwards	383108	880755
C 19	03378900	Little Wabash River	Co. Rd. Br., NE edge of Louisville	745	Clay	384623	882950
C 21	03378635	Little Wabash River	US 40 Br., 2.2 mi SW of Effingham	240	Effingham	390613	883533
C 22	03379500	Little Wabash River	Co. Rd. Br., 5 mi SE of Clay City	1,131	Clay	383805	881750
C 23	03381495	Little Wabash River	Main St. Br. in Carmi	3,088	White	380532	880922
CA 03	03381400	Skillet Fork	Winters Br., Co. Rd., 4 mi N of Carmi	1,058	White	380912	880955
CA 05	03380500	Skillet Fork	Rt. 15 Br., 1 mi N of Wayne City	464	Wayne	382125	883500
CA 06	03380350	Skillet Fork	Co. Rd. Br., 7.5 mi SE of Iuka	208	Marion	383110	884339
CD 01	03379950	Elm Creek	Price Br., Co. Rd., 6 mi NE of Fairfield	265	Wayne	382628	881529
CH 02	03379560	Fox River	5 mi W of Calhoun	154	Richland	383830	880920
Illinois River Basin (D)							
D 01	05587060	Illinois River	Rt. 100 Br. at Hardin	28,690	Calhoun- Greene	390937	903655
D 05	05563800	Illinois River	Rt. 9 Br. at Pekin	14,585	Peoria- Tazewell	403423	893917
D 09	05558995	Illinois River	Rt. 17 Br. at Lacon	12,953	Marshall	410130	892502
D 16	05556200	Illinois River	Rt. 26 Br. at Hennepin	12,756	Putnam	411527	892049
D 23	05543500	Illinois River	Marseilles, downstream from Nabisco Bldg.	8,259	La Salle	411940	884310
D 30	05559900	Illinois River	Peoria PWS intake	13,900	Peoria	404330	893258
D 31	05570520	Illinois River	Illinois Power intake near Havana	18,300	Mason	401649	900453
D 32	05586100	Illinois River	Norfolk Southern RR Br., 0.5 mi E of Valley City	26,564	Scott	394210	903840
DA 04	05586690	Macoupin Creek	Macoupin Station - Plainview Rd. Br.	304	Macoupin	391204	895845
DA 06	05587000	Macoupin Creek	Rt. 267 Br., 3.5 mi NW of Kane	868	Greene	391403	902340
DB 01	05586600	Apple Creek	Co. Rd. Br., 6 mi N of Eldred	404	Greene	392211	903246
DD 04	05586040	Mauvaise Terre Creek	Co. Rd. Br., 1.5 mi NE of Merritt	146	Scott	394353	902426
DE 01	05585830	McKee Creek	Rt. 104 Br. at Chambersburg	341	Pike	394904	903909

Appendix A. Illinois EPA Ambient Water Quality Monitoring Network (AWQMN) Station List.

IEPA Station Code	USGS Station Code	Stream Name	Description	Drainage Area (sq. mi.)	County	21ILAMB Latitude	Longitude
DF 04	05585275	Indian Creek	Co. Rd. Br., SW edge of Arenzville	164	Cass	395240	902238
DG 01	05585000	La Moine River	US Rt. 24 Br. at Ripley	1,293	Brown- Schuyler	400131	903755
DG 04	05584500	La Moine River	Rt. 61 Br. at Colmar	655	McDonough	401945	905355
DH 01	05583915	Sugar Creek	Rt. 100 Br., 2.0 mi NE of Frederick	162	Schuyler	400549	902416
DJ 02	05568915	Spoon River	US 150 Br., 1 mi S and 4 mi W of Williamsfield	762	Knox	405427	900512
DJ 06	05568775	Spoon River	Rt. 17 Br., 2.0 mi W of Wyoming	197	Stark	410345	894743
DJ 08	05570000	Spoon River	Rt. 95 Br., 0.4 mi NE of Seville	1,636	Fulton	402910	902034
DJ 09	05569500	Spoon River	Co. Rd. Br. at N edge of London Mills	1,062	Fulton	404251	901600
DJB 18	05570370	Big Creek	Co. Rd. Br. 2.0 mi SW of Bryant	41	Fulton	402732	900800
DJBZ01	05570380	Slug Run	Private Rd. 2.5 mi NW of Bryant	7	Fulton	402824	900837
DJL 01	05568800	Indian Creek	Co. Rd. Br. 3 mi S; 3 mi W of Wyoming	63	Stark	410106	895007
DK 12	05568005	Mackinaw River	Co. Rd. Br. 4 mi SSW of South Pekin	1,092	Tazewell	402651	894128
DK 13	05567510	Mackinaw River	Co. Rd. Br. 4 mi SE of Deer Creek	776	Tazewell	403512	891642
DL 01	05563525	Kickapoo Creek	US 24 Br. N of Bartonville	304	Peoria	403918	893852
DQ 03	05556500	Big Bureau Creek	Rt. 6 Br. near W edge of Princeton	196	Bureau	412155	892955
DQD 01	05557000	West Bureau Creek	US 6/34 Br. at E edge of Wyanet	87	Bureau	412154	893408
DR 01	05555950	Little Vermilion River	US 6 Br. in LaSalle	125	La Salle	412000	890451
DS 06	05554490	Vermilion River	Co. Rd. Br. 0.5 mi E of McDowell	551	Livingston	404950	883429
DS 07	05555300	Vermilion River	Co. Rd. Br. 3 mi NE of Leonore	1,251	La Salle	411230	885551
DV 04	05542000	Mazon River	Rt. 113 Br. 4 mi W of Coal City	455	Grundy	411710	882135
DW 01	05541710	Aux Sable Creek	US 6 Br. 6 mi NE of Morris	172	Grundy	412502	882051
DZZP03	05562010	Farm Creek	Camp St. Br. N of E. Peoria, read gage at 05562000 Main St. Br. in	61	Tazewell	404016	893448
Fox River Basin (DT)							
DT 06	05550000	Fox River	Rt. 62, Algonquin Rd. Br.	1,403	McHenry	420959	881725
DT 09	05551000	Fox River	State St. Br. in South Elgin	1,556	Kane	415940	881740
DT 22	05549600	Fox River	Rt. 176 Br. 5 mi. ENE of Crystal Lake	1,278	McHenry	421647	881338
DT 35	05546700	Fox River	Rt. 173 Br. near Wisconsin line	871	Lake	422845	881042
DT 38	05551540	Fox River	Mill St. Br. in Montogomery	1,732	Kane	414402	882002
DT 01		Fox River	Rt. 6 Br. In NE Ottawa		Lasalle	412120	884930
DT 46	05552500	Fox River	Co. Hwy. 18 Br. at Dayton	2,642	La Salle	412314	884721
DTB 01	05551995	Somonauk Creek	E-W Twp. Rd. Br. 1 mi N of Sheridan	83	La Salle	413237	884112
DTD 02	05551700	Blackberry Creek	US Rt. 47 Br. N of Yorkville	70	Kendall	414018	882629
DTG 02	05550500	Poplar Creek	US Rt. 20 Br., Villa St. in Elgin	35	Cook	420135	881520
DTK 04	05548280	Nippersink Creek	Winn Rd. Br. 0.6 mi W of Spring Grove	192	McHenry	422637	881451
Sangamon River Basin (E)							
E 05	05573650	Sangamon River	Lincoln Trail Br 5 mi. SE of Niantic	1,054	Macon	394748	890615
E 06	05573504	Sangamon River (L. Decatur)	City of Decatur Public Water Supply Intake near dam	927	Macon	394944	885735
E 09	05573540	Sangamon River	Rt. 48 Br. at Decatur	938	Macon	394952	885835
E 16	05573800	Sangamon River	Co. Rd. Br., 4.5 mi. S Mechanicsburg	1,264	Christian- Sangamon	394432	892357
E 24	05578000	Sangamon River	Rt. 123 Br., E of Petersburg	3,063	Menard	400037	895042
E 25	05583000	Sangamon River	Rt. 97 Br. near Oakford	5,093	Menard- Mason	400725	895905
E 26	05576500	Sangamon River	Old Rt. 36, W of Riverton	2,618	Sangamon	395034	893252
E 28	05572125	Sangamon River	Co. Rd. Br. (Allerton Park) 4.5 mi. SW of Monticello	573	Piatt	400008	883807
E 29	05570910	Sangamon River	Rt. 136 Br. 0.75 mi. E of Fisher	240	Champaign	401840	881920
EI 02	05582000	Salt Creek	Rt. 29 Br., 4 mi. N of Greenview	1,804	Mason	400801	894408
EI 06	05578500	Salt Creek	Co. Rd. Br., 2 mi. NE of Kenney	335	De Witt	400654	890257
EID 04	05581500	Sugar Creek	Twp. Rd., 2.6 mi. SE of Hartsburg	333	Logan	401320	892412
EIE 04	05580000	Kickapoo Creek	Co. Rd. Bridge, 0.75 mi. N of Waynesville	227	De Witt	401520	890740
EIE 05	05580500	Kickapoo Creek	Co. Rd. Br., 1.75 mi. N of Lincoln	306	Logan	401130	892140
EIG 01	05579500	Lake Fork	Rt. 54 Br., 2 mi. NE of Cornland	214	Logan	395700	892310
EL 01	05577505	Spring Creek	Bruns Lane Br. NW edge of Springfield, gage at Rt. 97 Br.	109	Sangamon	394916	894116
EO 01	05576022	South Fork Sangamon River	Rt. 29 Br., 1.5 mi. NW of Rochester	870	Sangamon	394550	893343
EO 02	05575500	South Fork Sangamon River	Rt. 104 Br., 1 mi. E of Kincaid	562	Christian	393444	892331
EOA 01	05576250	Sugar Creek	Rt. 29 Br., 1 mi SE of Springfield	270	Sangamon	394648	893520
EOD 01	05575570	Clear Creek (L. Sangchris)	New City Rd. Lake Sangchris at dam	Not Avail.	Christian	393900	892840
EOH 01	05574500	Flat Branch	Old Rt. 29 Br., 1 mi E of Taylorville	276	Christian	393314	891512

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IEPA Station Code	USGS Station Code	Stream Name	Description	Drainage Area (sq. mi.)	County	21ILAMB Latitude	Longitude
Kankakee River Basin (F)							
F 01	05527500	Kankakee River	I-55 Br.; 3 mi. NW of Wilmington	5,150	Will	412100	881140
F 02	05520500	Kankakee River	Hwy. 1 Bridge at Momence	2,294	Kankakee	410936	873947
FL 02	05526000	Iroquois River	Co. Rd. Br.; 5 mi. W of St. Anne	2,091	Kankakee	410032	874927
FL 04	05525000	Iroquois River	US 52 Bridge at Iroquois	686	Iroquois	404925	873455
FLI 02	05525500	Sugar Creek	Co. Rd. Bridge 1 mi. W of Milford	446	Iroquois	403750	874325
Des Plaines River - Lake Michigan Basin (G,H)							
G 07	05528000	Des Plaines River	Rt. 120, Belvidere Rd. Br., E of Grayslake	232	Lake	422039	875618
G 08	05527800	Des Plaines River	Russell Rd. Br., 1 mi dns of WI State Line	123	Lake	422922	875532
G 11	05534050	Des Plaines River	Division St. Br. at Lockport	700	Will	413547	880407
G 15	05530590	Des Plaines River	Irving Park Rd. Br. at Schiller Park	444	Cook	415711	875115
G 22	05529000	Des Plaines River	Central Ave. Br. at Des Plaines	360	Cook	420455	875325
G 23	05537980	Des Plaines River	Rt. 53 (Ruby St. Br.) in Joliet	739	Will	413212	880457
G 39	05532500	Des Plaines River	Barry Point Rd. at Riverside	630	Cook	414920	874915
GB 10	05540290	Du Page River	Plainfield-Naperville Rd. Bridge	220	Will	414124	880958
GB 11	05540500	Du Page River	At Rt. 52 at Shorewood	324	Will	413120	881135
GBK 05	05540095	West Br. Du Page River	Rt. 56 Butterfield Rd. Br. near Warrenville	90	Du Page	414922	881023
GBK 09	05539900	West Br. Du Page River	Rt. 64/St. Charles Rd. Br. N of West Chicago	29	Du Page	415439	881044
GBL 10	05540210	East Br. Du Page River	Rt. 34 Br. near Lisle	57	Du Page	414802	880453
GG 02	05539000	Hickory Creek	Washington St. Br. at Joliet	107	Will	413110	880410
*GI 01	05536995	Sanitary & Ship Canal	135th St. Br. at Romeoville	Not Avail.	Will	413827	880336
GI 02	05537000	Sanitary & Ship Canal	Division St. Br. at Lockport	740	Will	413411	880442
GL 09	05531500	Salt Creek	Wolf Road Br.	114	Cook	414935	875400
GLA 02	05532000	Addison Creek	Washington Boulevard Br. in Bellwood	18	Cook	415248	875207
H 01	05536700	Calumet Sag Channel	Rt. 83 Br., 3 mi NE of Lemont	389	Cook	414145	875611
HB 42	05536195	Little Calumet River	Holman Ave. Br. at IN State Line, N of Munster, IN	90	Lake	413407	873118
HBD 04	05536275	Thorn Creek	Thornton-Lansing Rd. Br. in Thornton	104	Cook	413405	873630
HCC 07	05536000	North Br. Chicago River	Touhy Ave. Br. in Niles	100	Cook	420044	874745
HCCC02	05534500	North Br. Chicago River	Lake-Cook Co. Line Rd. Bridge	20	Lake-Cook	420910	874907
Mississippi River South Basin (I)							
I 05		Mississippi River	RM 111 near Chester, IL, 1mi upst highway bridge		Randolph	375445	895107
I 84	07022000	Mississippi River	At Thebes, Ill.	713,200	Alexander- Pulaski	371300	892750
II 03	05595540	Marys River	Co. Rd. Br., 0.3 mi. E of Welge	113	Randolph	375722	894222
IX 04	05600150	Cache River	Co. Rd. Br., 0.7 mi. E of Sandusky	234	Alexander- Pulaski	371212	891529
Mississippi River South Central Basin (J)							
*J 05	05587555	Mississippi River	RM 214.6 near Elsah (Historically J83)	Not Avail.	Jersey	385707	902212
*J 83	05587550	Mississippi River	Corps of Engs. Lock and Dam 26	171,500	Madison	385141	900815
J 98		Mississippi River	Lock and Dam 26 at RM 200.8, 1 mi S of Alton, IL		Madison	385217	900913
J 36		Mississippi River	RM 162.2 upstream of Meramec R confluence		Monroe	382403	901924
JMAC02	05589785	Harding Ditch (Cahokia Canal #1)	Lake Drive at Frank Holten State Park	Not Avail.	St Clair	383542	900518
JN 02	05589490	Cahokia Canal	Sand Prairie Ln. Br. SE of Horseshoe Lake	Not Avail.	Madison	384001	900356
JNA 01	05589510	Canteen Creek	Sand Prairie Ln. Br. SE of Horseshoe Lake	Not Avail.	Madison	383958	900356
JQ 05	05587900	Cahokia Creek	Rt. 143 Br. NW of Edwardsville	212	Madison	384928	895829
JR 02	05587700	Wood River	Rt. 3 Br. at Milton Rd. junction in Alton	121	Madison	385303	900720
Mississippi River North Central Basin (K,L)							
*K 04	05474500	Mississippi River	At Keokuk, Iowa	119,000	Lee	402337	912227
K 22		Mississippi River	Lock and dam 19 at RM 364, E edge of Keokuk, IA		Lee	402332	912236
K 17		Mississippi River	Lock and dam 21 at RM 325, 0.75 mi SW Quincy, IL		Adams	395416	912543
K 21		Mississippi River	Lock and dam 24 at RM 273.5, Clarksville, MO		Pike	392225	905421
L 04		Mississippi River	Lock and Dam 17 RM 437, 2mi NW of New Boston,IL		Mercer	411132	910330
KCA 01	05513000	Bay Creek	Twp. Road Br. at W edge of Nebo	161	Pike	392635	904745
KI 02	05495500	Bear Creek	Co. Rd. Br., 2.2 mi. NE of Marcelline	349	Adams	400834	912014
LD 02	05469000	Henderson Creek	Rt. 94 Br., 1 mi. S of Bald Bluff	432	Henderson	410005	905115
LF 01	05466500	Edwards River	Rt. 17 Br., 2 mi. NE of New Boston	445	Mercer	411115	905805

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IEPA Station Code	USGS Station Code	Stream Name	Description	Drainage Area (sq. mi.)	County	21ILAMB Latitude	Longitude
Mississippi River North Basin (M)							
*M 04	05420500	Mississippi River	Rt. 136 Br. at Fulton	85,600	Whiteside	414653	901504
M 12		Mississippi River	Lock and Dam 13 at RM522.5, 1.5mi NE of Fulton, IL		Whiteside	415355	900918
M 13		Mississippi River	Lock and Dam 11 at RM 583, 2mi NE Dubuque, IA		Dubuque	423227	903842
M 02		Mississippi River	Lock and Dam 15 at RM 482.9, Arsenal Island		Rock Island	413106	903358
MJ 01	05420100	Plum River	US 52 Br. at E edge of Savanna	273	Carroll	420550	900738
MN 03	05418950	Apple River	US 20 Br., 2 mi. W of Elizabeth	207	Jo Daviess	421907	901518
MQ 01	05416000	Galena River	US 20 Br. at Galena	196	Jo Daviess	422,450	902540
Big Muddy River Basin (N)							
N 06	05596000	Big Muddy River	Rt. 14 Br, 3.0 mi W of Benton	502	Franklin	375939	885900
N 08	05595700	Big Muddy River	Rt. 15 Br., 3.0 mi. W of Mt.Vernon	72	Jefferson	381836	885918
*N 10	05595950	Big Muddy River	Dam Access Rd. Br., 2.5 mi. NW of Benton	488	Franklin	380230	885730
N 11	05597000	Big Muddy River	Rt. 149 Br., 0.7 mi. W of Plumfield	794	Franklin	375405	890050
N 12	05599500	Big Muddy River	Rt. 127 Br. S of Murphysboro	2,169	Jackson	374530	891938
NA 01	05599565	Cedar Creek (Cedar L.)	Rt. 127 Br., 6 mi. NNE of Alto Pass	35	Jackson	374015	891920
*NB 01	05599540	Kinkaid Creek (Kinkaid L.)	9.5 miles W. of Murphysboro	60	Jackson	374638	892714
NC 07	05599200	Beaucoup Creek	Co. Rd. Br., 2.0 mi. W of Vergennes	478	Jackson	375412	892236
ND 01	05598245	Crab Orchard Creek	Dillinger Rd. Br. 3.2 mi. NE of Carbondale	272	Jackson	374618	891049
*ND 02	05598050	Crab Orchard Creek	Crab Orchard Lake 150 Yrds DNS from Dam	201	Williamson	374251	890904
ND 04	05597500	Crab Orchard Creek	Rt. 13 Br., 1.3 mi. E of Marion	32	Williamson	374352	885321
NE 05	05597280	Little Muddy River	Co. Rd. Br., 1.3 mi. E of Elkville	213	Jackson	375301	891231
NG 02	05597040	Pond Creek	Rt. 37 Br., 0.5 mi. S of W. Frankfort	33	Franklin	375306	885554
NH 06	05596400	Middle Fork Big Muddy River	Co. Rd. Br.; 2.7 mi. SSE of Benton	152	Franklin	375658	885400
NJ 07	05595830	Casey Fork	Rt. 37 Br., 3 mi. S of Mt. Vernon	88	Jefferson	381610	885355
NK 01	05595730	Rayse Creek	Twp. Rd. Br., 2.4 mi. N of Waltonville	88	Jefferson	381514	890223
Kaskaskia River Basin (O)							
O 02	05591200	Kaskaskia River	Local Rd. Br. in Cooks Mills	473	Coles	393501	882450
O 07	05593010	Kaskaskia River	Rt. 127 Br., 2.3 mi. S of Carlyle	2,734	Clinton	383428	892209
O 08	05592500	Kaskaskia River	US Rt. 51 Br. at SE edge of Vandalia	1,940	Fayette	385735	890520
O 10	05592100	Kaskaskia River	Rt. 128 Br., 2 mi. SE of Cowden	1,330	Shelby	391350	885033
O 11	05592000	Kaskaskia River	Rt. 16 Br. at Shelbyville near dam	1,054	Shelby	392425	884650
O 15	05591300	Kaskaskia River	Rt. 121 Br., 1 mi. N of Allenville	506	Moultrie	393422	883156
O 20	05594100	Kaskaskia River	Rt. 160-177 Br., 4.3 mi. NW of Okawville	4,393	Washington	382702	893739
O 30	05595400	Kaskaskia River	Co. Rd. Br., 2.7 mi. W of Ellis Grove	5,790	Randolph	380058	895714
O 31	05590420	Kaskaskia River	Co. Rd. 6 Br. 4 mi. W of Hayes	113	Douglas	395153	882152
OC 04	05595200	Richland Creek	Rt. 156 Br., 1.6 mi. NE of Hecker	129	St. Clair	381926	895815
OD 06	05594450	Silver Creek	Rt. 40 Br., 2.7 mi. SE of Troy	154	Madison	384300	894945
OD 07	05594800	Silver Creek	Rt. 460 Br., 2.2 mi. SE of Freeburg	464	St. Clair	382422	895226
OH 01	05594090	Sugar Creek	Rt. 161 Br., 0.5 mi. W of Albers	124	Clinton	383229	893736
OI 08	05594000	Shoal Creek	Rt. 50 Br., 1.4 mi. E of Breese	735	Clinton	383635	892940
*OI 09	05593785	Shoal Creek	Co. Rd. Br. 3 miles NW of Panama	281	Montgomery	390348	893243
OI 07		Shoal Creek	Co. Rd. Br. 2 miles NW of Panama		Montgomery	390228	893305
OJ 07	05593505	Crooked Creek	Co. Rd. Br., 3.1 mi. S of Odin	89	Marion	383350	890301
OJ 08	05593520	Crooked Creek	Hoyleton Rd. Br., 2.2 mi SW of Hoffman	254	Washington	383025	891624
OK 01	05592900	East Fork Kaskaskia River	Rt. 51 Br., 5.2 mi. N of Sandoval	113	Marion	384120	890555
OKA 01	05592930	North Fork Kaskaskia River	Old Patoka Rd. Bridge	39	Marion	384625	890510
OL 02	05592800	Hurricane Creek	Rt. 140 Br., 1.0 mi E of Mulberry Grove	152	Fayette	385521	891414
ON 01	05592600	Hickory Creek	Co. Rd. Br., 2.7 mi. S of Bluff City	78	Fayette	385530	890220
OO 01	05592400	Ramsey Creek	Rt 51, 3 mi S of Ramsey	97	Fayette	390606	890520
OQ 01	05592195	Beck Creek	Co. Line Rd. Br., 2 mi W of Herrick	97	Fayette	391259	890114
OT 02	05591700	West Okaw River	Rt. 32 Br., NW of Lovington	112	Moultrie	394352	883943
OU 01	05591400	Jonathan Creek	Rt. 121 Br., 2.5 mi. E of Sullivan	55	Moultrie	393604	883246
OZC 01	05595280	Plum Creek	Co. Rd. Br., 2.5 mi S of Baldwin	61	Randolph	380848	895035
OZZT01	05591500	Asa Creek	Co. Rd. Br., 0.8 mi. N of Sullivan	35	Moultrie	393711	883617

Appendix A. Illinois EPA Ambient Water Quality Monitoring Network (AWQMN) Station List.

IEPA Station Code	USGS Station Code	Stream Name	Description	Drainage Area (sq. mi.)	County	21ILAMB Latitude	Longitude
Rock River Basin (P)							
P 04	05446500	Rock River	Rt. 92 Br., 2 mi. E of Joslin	9,549	Rock Island	413335	901055
P 06	05443500	Rock River	US Rt. 30 Br., 2 mi. W of Rock Falls	8,753	Whiteside	414700	894458
P 14	05440700	Rock River	Rt. 72 Br. at Byron	7,990	Ogle	420724	891520
P 15	05437500	Rock River	Rt. 75 Br. at Rockton	6,363	Winnebago	422655	890411
P 20	05442200	Rock River	Rt. 2 Br., near Grand Detour; County Line	8,502	Ogle	415323	892510
PB 02	05447100	Green River	Rt. 88 Br., 1 mi. S of Deer Grove	322	Whiteside	413538	894122
PB 04	05447500	Green River	Rt. 82 Br., N of Geneseo	1,003	Henry	412920	900930
PE 05	05446100	Rock Creek	Rt 2 Br. 3 mi NE of Erie	237	Whiteside	414047	900134
PH 16	05444000	Elkhorn Creek	2 mi NW of Penrose Co. Rd. Br.	146	Whiteside	415410	894140
PL 03	05442020	Kyte River	Honey Cr. Rd. Br. 1 mi E. of Daysville	179	Ogle	415910	891741
PQ 02	05438600	Kishwaukee River	Perryville Rd. Br., near S. Branch	655	Winnebago	421206	885843
PQ 10	05438201	Kishwaukee River	Co. Rd. Br., 0.5 mi. N of Garden Prairie	222	Boone	421540	884300
PQ 12	05440000	Kishwaukee River	Blackhawk Rd. Br.	1,099	Winnebago	421145	885955
PQB 02	05440520	Kilbuck Creek	US 251 Br., 4 mi S. of Rockford	136	Winnebago	420936	890432
PQC 06	05439500	South Br. Kishwaukee River	Co. Rd. Br., 0.5 mi. N of Rt 72; 2 mi. W of Kirkland	387	De Kalb	420640	885400
PQF 07	05438250	Coon Creek	Riley-Harmon Rd. 0.8 mi SW of Riley	85	McHenry	421058	883828
PW 01	05435800	Pecatonica River	Rt. 75 Br. at Harrison	1,788	Winnebago	422539	891144
PW 08	05435500	Pecatonica River	Rt. 75 Br., west-bound at Freeport	1,326	Stephenson	421813	893657
PWN 01	05435680	Yellow Creek	Hollywood Road at SE edge of Freeport	192	Stephenson	421645	893424

* INACTIVE STATIONS

LATITUDE/LONGITUDE IS IN DEGREES, MINUTES, AND SECONDS

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

48317 A 06 03612500
3712 10.0 089 02 30.02
OHIO R N END DAM 53 OLM STEAD T15S R2E NW18
17153 ILLINOIS PULASKI
OHIO RIVER 52191
OHIO RIVER
21ILL 05140206006 0005.190 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
90/04/12	1000	0.02	0.08	0.05	0.1	0.05	0.01	0.01

48321 AD 02 03612000
3720 05 0 088 55 30.02
CACHE R 1 MI NE BELKNAP T14S R3E NW6
17087 ILLINOIS JOHNSON
OHIO RIVER 52191
OHIO RIVER
21ILL HQ 05140206022 0003.180 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
95/03/20	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/05/11	1000	0.03	0.75	0.07	0.17	0.05	0.01	0.01
95/10/30	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
MEDIAN		0.02	0.05	0.05	0.1	0.05	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.0233333	0.283333	0.0566666	0.123333	0.05	0.01	0.01
STD DEV		0.0057736	0.404145	0.0115472	0.0404146	0.0000748	0	0

163134 AK 02 03384450
3728 20.5 088 32 21.02
LUSK CR 3 MI SE EDDYVIL LE T12S R6E SE16
17151 ILLINOIS POPE
OHIO RIVER 52191
OHIO RIVER
21ILL 05140203025 0014.710 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/24	900	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/15	1100	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/01	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
86/05/29	800	0.02	1.5	0.05	0.25	0.05	0.01	0.01
86/06/12	1100	0.02	0.11	0.05	0.1	0.05	0.01	0.01
86/08/13	1000	0.02	0.17	0.05	0.1	0.05	0.01	0.01
86/10/16	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/01/27	1100	0.02	0.093	0.05	0.1	0.05	0.01	0.01
87/04/02	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/05/05	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/06/10	1000	0.02	0.61	0.05	0.1	0.05	0.01	0.01
87/07/14	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/11/03	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.02
88/01/26	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/04/11	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/05/31	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/06/29	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/09/06	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/10/19	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/01/17	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/04/18	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/05/23	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/07/31	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/08/24	1100	0.02	0.06	0.05	0.1	0.05	0.01	0.01
89/10/05	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/01/16	1100	0.02	0.62	0.05	0.1	0.05	0.01	0.01
90/04/02	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/06/07	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/07/16	1100	0.02	1.4	0.05	0.1	0.05	0.01	0.01
90/10/02	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/02/07	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/04/17	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/05/15	1100	0.09	1.3	0.21	3.1	0.05	0.01	0.01

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

91/10/30	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/05	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/05/21	1100	0.027	0.05	0.05	0.1	0.05	0.01	0.01
92/10/07	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/23	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/06/24	1000	0.02	0.27	0.05	0.1	0.05	0.01	0.01
93/10/07	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/15	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/06/28	1400	0.02	0.05	0.05	0.1	0.05	0.01	0.013
94/10/24	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	NUMBER	43	43	43	43	43	43	41
	MEAN	0.0217907	0.180999	0.0537205	0.173255	0.0499996	0.01	0.0103171
	STD DEV	0.0107028	0.360437	0.0244007	0.457523	0.0002097	0	0.0016192

48328 ATG 03 03382205
3742 30.0 088 29 30.02
MDFK SALINE R 3 MI SE HARRISBURG T9S R6E SE25
17165 ILLINOIS SALINE
OHIO RIVER 52191
OHIO RIVER - SALINE RIV ER
21ILL HQ 05140204019 0001.930 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/08	900	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/15	900	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/01	900	0.02	0.17	0.05	0.1	0.05	0.01	0.01
86/05/12	800	1.3	8.9	1.8	1.1	0.05	0.01	0.04
86/06/09	1100	0.36	4.6	0.05	0.28	0.22	0.01	
86/08/13	800	0.064	0.87	0.05	0.16	0.05	0.01	0.015
86/10/16	800	0.035	0.77	0.05	0.4	0.05	0.01	0.01
87/01/27	1200	0.02	0.27	0.076	0.1	0.05	0.01	0.01
87/04/02	800	0.1	1.7	1	0.1	0.05	0.01	0.022
87/05/05	800	0.055	1.7	0.092	0.81	0.05	0.01	0.01
87/06/10	800	8.5	7.4	1.8	1.9	0.41	0.73	0.22
87/07/14	800	0.11	1.7	0.087	0.44	0.05	0.01	0.012
87/10/28	1000	0.02	0.69	0.05	1.4	0.05	0.01	0.01
88/01/26	900	0.02	0.49	0.063	0.2	0.05	0.01	0.016
88/04/11	800	0.02	0.19	0.05	0.25	0.05	0.01	0.012
88/05/31	1000	0.02	0.36	0.05	0.2	0.05	0.01	0.01
88/06/29	900	0.02	0.16	0.05	0.1	0.05	0.01	0.01
88/09/06	1000	0.02	0.58	0.05	0.1	0.05	0.01	0.01
88/10/19	900	0.079	0.3	0.05	0.24	0.05	0.01	0.01
89/01/23	900	0.02	0.2	0.05	0.14	0.05	0.01	0.01
89/04/17	1200	0.02	0.05	0.05	0.14	0.05	0.01	0.01
89/05/24	900	2.6	4.9	1.3	2	0.05	0.037	0.014
89/08/10	900	0.02	0.05	0.07	0.1	0.05	0.01	0.01
89/10/17	900	0.02	0.15	0.05	0.1	0.05	0.1	0.02
90/01/25	1000	0.03	0.21	0.05	0.1	0.05	0.01	0.01
90/04/11	900	0.17	0.05	0.21	0.58	0.05	0.01	0.01
90/06/14	900	0.08	2.1	0.14	0.6	0.05	0.01	0.01
90/07/24	900	0.65	5.7	0.5	1.7	0.08	0.01	0.01
90/10/30	900	0.02	0.48	0.05	0.1	0.05	0.01	0.01
91/01/30	1000	0.05	0.05	0.06	0.18	0.05	0.01	0.01
	MEDIAN	0.02	0.36	0.05	0.18	0.05	0.01	0.01
	NUMBER	30	30	30	30	30	30	27
	MEAN	0.482766	1.49633	0.268266	0.460666	0.0686661	0.0378998	0.0204074
	STD DEV	1.60109	2.35385	0.505196	0.572212	0.071667	0.131814	0.0403849

163145 ATH 05
3738 16.5 088 40 39.02
S FK SALINE 4 MI SW CARRIER MILLS T10S R5E NE20
17165 ILLINOIS SALINE
OHIO RIVER 52191
OHIO RIVER - SALINE RIV ER
21ILL HQ 05140204028 0001.540 OFF

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
91/04/16	1100	0.02	1	0.05	0.1	0.05	0.01	0.012
91/05/21	900	0.02	1.4	0.06	0.2	0.05	0.01	0.01
91/10/24	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/12	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/05/20	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/10/29	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/11	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/05/18	1200	0.02	0.1	0.05	0.1	0.05	0.01	0.01
93/10/12	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/10	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/04/11	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/06/30	1000	0.02	0.18	0.08	0.15	0.05	0.01	0.01
94/11/15	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	NUMBER	13	13	13	13	13	13	13
	MEAN	0.02	0.240769	0.0530769	0.111538	0.05	0.01	0.0101538
	STD DEV	0.0000249	0.435056	0.0085487	0.0299578	0.0000529	0.0000076	0.0005548

48336 BE 07 03345500
3856 12.0 088 01 06 02
EMBARRAS R CO RD BR ST MARIE T6NR14WNW30
17079 ILLINOIS JASPER
OHIO RIVER 51791
WABASH RIVER
21ILL 05120112013 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/29	800	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/09	800	0.035	0.22	0.05	0.1	0.05	0.01	
86/04/10	800	0.038	1.2	0.29	0.23	0.05	0.01	0.01
86/05/28	800	0.97	5.3	0.5	1.1	0.26	0.01	
86/06/25	900	0.13	1.4	0.05	0.1	0.061	0.01	
86/07/23	1400	0.076	0.87	0.24	0.1	0.05	0.01	
86/10/28	800	0.12	1.3	0.05	0.31	0.05	0.01	
87/01/22	800	0.072	1.3	0.05	0.15	0.15	0.01	
87/04/16	800	0.54	7.3	11	1.2	0.05	0.01	0.021
87/05/27	800	0.23	0.77	0.36	0.37	0.05	0.01	
87/07/14	1030	0.28	2.2	0.39	0.5	0.091	0.01	0.01
87/08/26	930	0.02	0.32	0.05	0.1	0.05	0.01	0.01
87/10/14	930	0.035	0.34	0.05	0.14	0.05	0.01	0.01
88/01/05	1100	0.025	0.18	0.05	0.1	0.05	0.01	0.01
88/05/25	1100	0.13	0.55	0.097	0.19	0.05	0.01	0.01
88/05/25	1115	0.13	0.62	0.15	0.2	0.05	0.01	0.01
88/07/12	1115	0.02	0.44	0.05	0.1	0.05	0.01	0.01
88/08/24	1130	0.02	0.26	0.05	0.1	0.05	0.01	0.01
88/10/24	1115	0.035	0.24	0.05	0.1	0.05	0.01	0.01
89/01/10	1115	0.08	0.29	0.06	0.18	0.05	0.01	0.01
89/04/13	1115	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/05/17	1045	0.09	0.26	0.05	0.24	0.05	0.01	0.01
89/07/12	1330	0.09	1.9	0.44	0.35	0.05	0.01	0.01
89/08/30	1030	0.02	0.75	0.42	0.1	0.05	0.01	0.01
89/10/18	1115	0.03	0.16	0.05	0.1	0.05	0.01	0.01
89/11/28	1330	0.03	0.12	0.05	0.13	0.05	0.01	0.01
90/01/10	1145	0.02	0.16	0.15	0.2	0.05	0.01	0.01
90/04/18	1230	0.13	0.51	0.21	0.37	0.05	0.01	0.01
90/05/23	1030	2.9	4.3	4.8	3.7	0.24	0.01	0.01
90/07/11	1130	0.1	2.3	0.21	0.47	0.05	0.01	
90/08/22	1300	0.06	0.82	0.12	0.16	0.05	0.01	0.01
90/09/26	1030	0.02	0.52	0.17	0.1	0.05	0.01	0.01
90/11/14	1030	0.07	0.48	0.06	0.32	0.05	0.01	0.01
91/01/09	1330	0.02	0.24	0.05	0.1	0.05	0.01	0.01
91/04/10	1045	0.11	1.2	5.3	0.3	0.15	0.01	0.01
91/06/05	1100	0.39	9.6	1.5	1.2	0.016	0.01	0.01
92/04/15	1030	0.05	0.05	0.28	0.38	0.05	0.01	0.01
92/06/11	900	0.12	0.18	0.43	0.29	0.05	0.01	0.01
92/12/02	1200	0.02	0.05	0.05	0.13	0.05	0.01	0.01
93/03/16	1200	0.07	0.2	0.21	0.3	0.05	0.01	0.01
93/05/13	1100	0.16	2.1	1.4	0.44	0.05	0.01	0.01
93/10/07	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/29	1200	0.36	0.67	0.26	0.32	0.05	0.01	0.01
94/06/30	1300	0.09	2.3	0.28	0.48	0.05	0.01	0.01
94/11/15	1000	0.02	0.15	0.05	0.51	0.05	0.01	0.02
95/03/15	1200	0.02	0.05	0.05	0.64	0.05	0.01	0.01
95/05/17	1200	0.31	7.6	1.8	1.1	0.83	0.01	0.01
95/10/27	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01

96/04/16	1100	0.02	0.28	0.05	0.11	0.05	0.01	0.01
96/05/29	700	0.39	15	2.7	4.4	1.7	0.01	0.02
96/07/02	1000	0.02	1.9	0.32	0.36	0.18	0.01	0.01
	MEDIAN	0.07	0.51	0.12	0.2	0.05	0.01	0.01
	NUMBER	51	51	51	51	51	51	42
	MEAN	0.17247	1.55195	0.691114	0.452351	0.112313	0.01	0.0107381
	STD DEV	0.424317	2.80281	1.81305	0.790526	0.255066	0	0.0026965

03343395 BE 14
3947 59.0 088 10 13.02
EMBARRAS R W EDGE CAMARGO T16N R9E NW34
17041 ILLINOIS DOUGLAS
OHIO RIVER
WABASH RIVER
21ILL 790616 05120112023 0012.260 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
96/03/26	1000	0.02	0.12	0.05	0.1	0.11	0.01	0.01
96/06/20	900	0.07	4.3	0.98	1.1	0.05	0.01	0.01
96/07/24	930	0.02	1.1	0.1	0.35	0.06	0.01	0.02
	MEDIAN	0.02	1.1	0.1	0.35	0.06	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.0366666	1.84	0.376666	0.516666	0.0733332	0.01	0.0133333
	STD DEV	0.0288675	2.18604	0.5231	0.520416	0.0321456	0	0.0057735

03339147 BO 07
3957 55.0 087 56 25.03
L VERMILN R 4 MI SE GEORGETOWN T17N R11W S12
17183 ILLINOIS VERMILION
OHIO RIVER
WABASH RIVER VERMILION RIVER
21ILL 790616 05120108023 0018.680 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
97/03/11	1045	0.02	0.33	0.05	0.38	0.05	0.01	0.01
97/06/13	800	0.02	0.58	0.21	0.3	0.05	0.01	0.01
97/08/04	1015	0.02	0.11	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.33	0.05	0.3	0.05	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.02	0.34	0.103333	0.26	0.05	0.01	0.01
	STD DEV	0	0.23516	0.092376	0.144222	0.0000748	0	0

163123 BP 01 03339000
4005 53.0 087 35 37.04
VERMILN R 3 .5 MI SE DANVILLE T19N R11W NW27
17183 ILLINOIS VERMILION
OHIO RIVER 51790
WABASH RIVER
21ILL 05120109001 0016.800 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
97/04/02	1215	0.02	0.09	0.05	0.35	0.05	0.01	0.01
97/06/13	930	0.02	3.4	2.1	1.4	0.05	0.01	0.01
97/08/04	1130	0.02	0.46	0.52	0.17	0.05	0.01	0.01
	MEDIAN	0.02	0.46	0.52	0.35	0.05	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.02	1.31667	0.889999	0.639999	0.05	0.01	0.01
	STD DEV	0	1.81368	1.07392	0.664304	0.0000748	0	0

03336900 BPJ 07
4008 55.0 088 02 00.02
SALT FK VERMILION R N ST JOSEPH T20NR10ESE35
17019 ILLINOIS CHAMPAIGN
OHIO RIVER
WABASH RIVER VERMILION RIVER
21ILL 790616 05120109012 0002 440 ON

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
85/10/17	900	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/29	1100	0.02	0.05	0.05	0.1	0.05	0.01	
86/03/26	800	0.02	0.074	0.05	0.1	0.05	0.01	
86/05/01	800	1.2	3.3	4.1	2.2	0.05	0.01	0.036
86/06/18	800	0.042	0.26	0.05	0.19	0.05	0.01	
86/07/16	800	0.07	0.3	0.06	0.24	0.055	0.01	0.01
86/10/08	930	0.1	0.49	0.22	0.16	0.05	0.01	0.01
87/01/14	800	0.037	1.5	0.28	0.1	0.05	0.01	0.027
87/03/25	800	0.066	0.05	0.27	0.1	0.05	0.01	0.01
87/04/29	900	0.076	0.12	0.16	0.2	0.05	0.01	0.01
87/06/03	830	2.1	4.8	3.6	4.2	0.17	0.01	0.041
87/07/21	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/09/10	800	0.02	0.48	0.05	0.1	0.05	0.01	0.01
87/10/27	1130	0.11	0.05	0.3	0.41	0.05	0.01	0.01
88/01/11	1100	0.02	0.15	0.05	0.1	0.05	0.01	0.01
88/03/28	1130	0.037	0.05	0.05	0.1	0.05	0.01	0.012
88/05/16	1130	0.02	0.28	0.15	0.11	0.05	0.01	0.01
88/06/27	1200	0.02	0.062	0.05	0.1	0.05	0.01	0.01
88/08/15	1130	0.46	2.7	2.4	1.6	0.05	0.01	0.026
88/09/19	1130	0.02	0.08	0.05	0.1	0.05	0.01	0.024
88/11/09	1130	0.25	0.89	0.77	1.1	0.05	0.01	0.011
89/01/26	1030	0.21	0.42	0.24	0.32	0.05	0.02	0.016
89/04/05	1000	0.043	0.46	0.09	0.94	0.05	0.01	0.01
89/05/15	1000	0.06	0.35	0.05	0.19	0.05	0.01	0.01
89/06/29	1030	0.05	0.8	1.3	0.47	0.05	0.01	0.01
89/08/02	1200	0.02	0.31	0.06	0.1	0.05	0.01	0.01
89/09/14	1230	0.07	0.18	0.05	0.2	0.05	0.01	0.02
89/11/08	1200	0.18	0.43	0.05	0.84	0.05	0.02	0.01
90/01/23	1000	0.02	0.07	0.05	0.1	0.05	0.01	0.01
90/04/03	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/05/14	1000	0.22	0.86	0.13	1.4	0.05	0.01	0.01
90/06/25	1000	0.06	0.62	0.05	0.39	0.05	0.01	0.01
90/07/31	1000	0.04	0.44	0.05	0.39	0.05	0.01	0.01
90/09/25	1030	0.02	0.05	0.33	0.1	0.05	0.01	0.01
90/11/01	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/01/17	800	0.02	0.74	0.05	0.13	0.05	0.01	0.01
91/04/03	1400	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/05/23	730	0.12	0.87	0.14	0.6	0.05	0.01	0.012
91/10/01	800	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/18	815	0.02	0.05	0.05	0.16	0.05	0.01	0.01
92/06/04	730	0.02	0.32	0.12	0.63	0.05	0.01	0.01
92/11/19	830	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/10	1015	0.02	0.18	0.15	1.3	0.05	0.01	0.01
93/04/08	830	0.02	0.1	0.05	0.4	0.05	0.01	0.01
93/06/29	830	0.13	4.6	1.7	1.6	0.1	0.01	0.01
93/11/16	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/30	900	0.56	0.15	0.06	0.58	0.05	0.01	0.01
94/07/01	900	0.02	0.58	0.18	0.15	0.05	0.01	0.01
94/11/03	730	0.02	0.06	0.05	0.19	0.05	0.01	0.02
95/03/28	1100	0.02	2.2	0.14	0.81	0.28	0.01	0.01
95/05/12	900	0.02	0.7	0.41	0.52	0.05	0.01	0.01
95/10/17	930	0.02	0.05	0.05	0.1	0.09	0.01	0.01
97/03/17	930	0.02	0.05	0.05	0.48	0.05	0.01	0.01
97/07/28	1115	0.02	0.2	0.05	0.21	0.05	0.01	0.01
97/09/02	915	0.02	0.15	0.1	0.15	0.05	0.01	0.1
	MEDIAN	0.02	0.18	0.05	0.19	0.05	0.01	0.01
	NUMBER	55	55	55	55	55	55	51
	MEAN	0.125654	0.583194	0.343816	0.464723	0.0580904	0.0103636	0.0144117
	STD DEV	0.327662	1.03194	0.806226	0.69391	0.0354411	0.001889	0.0139501

03378900 C 19
3846 23.0 088 29 50.02
L WABASH R NE EDGE LOUISVILLE T4N R6E SE23
17025 ILLINOIS CLAY
OHIO RIVER
WABASH RIVER
21ILL 790616 05120114007 0018.070 ON

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
85/10/29	1000	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/09	1000	0.02	0.2	0.05	0.1	0.05	0.01	
86/04/10	1000	0.12	1.5	9	0.3	0.05	0.01	0.026
86/05/28	1000	1.6	11	2.5	3.6	0.32	0.01	
86/06/25	1200	0.31	4	3	1.2	0.12	0.01	
86/07/23	1500	0.088	1.6	0.21	1.1	0.05	0.01	
86/10/28	1000	0.068	1.1	0.099	0.31	0.05	0.01	

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

48317 A 06 03612500
3712 10.0 089 02 30.02
OHIO R N END DAM 53 OLM STEAD T15S R2E NW18
17153 ILLINOIS PULASKI
OHIO RIVER 52191
OHIO RIVER
21ILL 05140206006 0005.190 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
90/04/12	1000	0.02	0.08	0.05	0.1	0.05	0.01	0.01

48321 AD 02 03612000
3720 05.0 088 55 30.02
CACHE R 1 MI NE BELKNAP T14S R3E NW6
17087 ILLINOIS JOHNSON
OHIO RIVER 52191
OHIO RIVER
21ILL HQ 05140206022 0003.180 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
95/03/20	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/05/11	1000	0.03	0.75	0.07	0.17	0.05	0.01	0.01
95/10/30	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
MEDIAN		0.02	0.05	0.05	0.1	0.05	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.0233333	0.283333	0.0566666	0.123333	0.05	0.01	0.01
STD DEV		0.0057736	0.404145	0.0115472	0.0404146	0.0000748	0	0

163134 AK 02 03384450
3728 20.5 088 32 21.02
LUSK CR 3 MI SE EDDYVIL LE T12S R6E SE16
17151 ILLINOIS POPE
OHIO RIVER 52191
OHIO RIVER
21ILL 05140203025 0014.710 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/24	900	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/15	1100	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/01	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
86/05/29	800	0.02	1.5	0.05	0.25	0.05	0.01	0.01
86/06/12	1100	0.02	0.11	0.05	0.1	0.05	0.01	0.01
86/08/13	1000	0.02	0.17	0.05	0.1	0.05	0.01	0.01
86/10/16	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/01/27	1100	0.02	0.093	0.05	0.1	0.05	0.01	0.01
87/04/02	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/05/05	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/06/10	1000	0.02	0.61	0.05	0.1	0.05	0.01	0.01
87/07/14	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/11/03	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.02
88/01/26	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/04/11	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/05/31	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/06/29	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/09/06	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/10/19	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/01/17	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/04/18	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/05/23	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/07/31	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/08/24	1100	0.02	0.06	0.05	0.1	0.05	0.01	0.01
89/10/05	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/01/16	1100	0.02	0.62	0.05	0.1	0.05	0.01	0.01
90/04/02	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01

90/06/07	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/07/16	1100	0.02	1.4	0.05	0.1	0.05	0.01	0.01
90/10/02	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/02/07	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/04/17	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/05/15	1100	0.09	1.3	0.21	3.1	0.05	0.01	0.01
91/10/30	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/05	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/05/21	1100	0.027	0.05	0.05	0.1	0.05	0.01	0.01
92/10/07	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/23	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/06/24	1000	0.02	0.27	0.05	0.1	0.05	0.01	0.01
93/10/07	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/15	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/06/28	1400	0.02	0.05	0.05	0.1	0.05	0.01	0.013
94/10/24	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	NUMBER	43	43	43	43	43	43	41
	MEAN	0.0217907	0.180999	0.0537205	0.173255	0.0499996	0.01	0.0103171
	STD DEV	0.0107028	0.360437	0.0244007	0.457523	0.0002097	0	0.0016192

48328 ATG 03 03382205
3742 30.0 088 29 30.02
MDFK SALINE R 3 MI SE HARRISBURG T9S R6E SE25
17165 ILLINOIS SALINE
OHIO RIVER 52191
OHIO RIVER - SALINE RIV ER
21ILL HQ 05140204019 0001.930 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/08	900	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/15	900	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/01	900	0.02	0.17	0.05	0.1	0.05	0.01	0.01
86/05/12	800	1.3	8.9	1.8	1.1	0.05	0.01	0.04
86/06/09	1100	0.36	4.6	0.05	0.28	0.22	0.01	
86/08/13	800	0.064	0.87	0.05	0.16	0.05	0.01	0.015
86/10/16	800	0.035	0.77	0.05	0.4	0.05	0.01	0.01
87/01/27	1200	0.02	0.27	0.076	0.1	0.05	0.01	0.01
87/04/02	800	0.1	1.7	1	0.1	0.05	0.01	0.022
87/05/05	800	0.055	1.7	0.092	0.81	0.05	0.01	0.01
87/06/10	800	8.5	7.4	1.8	1.9	0.41	0.73	0.22
87/07/14	800	0.11	1.7	0.087	0.44	0.05	0.01	0.012
87/10/28	1000	0.02	0.69	0.05	1.4	0.05	0.01	0.01
88/01/26	900	0.02	0.49	0.063	0.2	0.05	0.01	0.016
88/04/11	800	0.02	0.19	0.05	0.25	0.05	0.01	0.012
88/05/31	1000	0.02	0.36	0.05	0.2	0.05	0.01	0.01
88/06/29	900	0.02	0.16	0.05	0.1	0.05	0.01	0.01
88/09/06	1000	0.02	0.58	0.05	0.1	0.05	0.01	0.01
88/10/19	900	0.079	0.3	0.05	0.24	0.05	0.01	0.01
89/01/23	900	0.02	0.2	0.05	0.14	0.05	0.01	0.01
89/04/17	1200	0.02	0.05	0.05	0.14	0.05	0.01	0.01
89/05/24	900	2.6	4.9	1.3	2	0.05	0.037	0.014
89/08/10	900	0.02	0.05	0.07	0.1	0.05	0.01	0.01
89/10/17	900	0.02	0.15	0.05	0.1	0.05	0.1	0.02
90/01/25	1000	0.03	0.21	0.05	0.1	0.05	0.01	0.01
90/04/11	900	0.17	0.05	0.21	0.58	0.05	0.01	0.01
90/06/14	900	0.08	2.1	0.14	0.6	0.05	0.01	0.01
90/07/24	900	0.65	5.7	0.5	1.7	0.08	0.01	0.01
90/10/30	900	0.02	0.48	0.05	0.1	0.05	0.01	0.01
91/01/30	1000	0.05	0.05	0.06	0.18	0.05	0.01	0.01
	MEDIAN	0.02	0.36	0.05	0.18	0.05	0.01	0.01
	NUMBER	30	30	30	30	30	30	27
	MEAN	0.482766	1.49633	0.268266	0.460666	0.0686661	0.0378998	0.0204074
	STD DEV	1.60109	2.35385	0.505196	0.572212	0.071667	0.131814	0.0403849

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

163145 ATH 05
3738 16.5 088 40 39.02
S FK SALINE 4 MI SW CARRIER MILLS T10S R5E NE20
17165 ILLINOIS SALINE
OHIO RIVER 52191
OHIO RIVER - SALINE RIV ER
21ILL HQ 05140204028 0001.540 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
91/04/16	1100	0.02	1	0.05	0.1	0.05	0.01	0.012
91/05/21	900	0.02	1.4	0.06	0.2	0.05	0.01	0.01
91/10/24	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/12	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/05/20	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/10/29	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/11	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/05/18	1200	0.02	0.1	0.05	0.1	0.05	0.01	0.01
93/10/12	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/10	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/04/11	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/06/30	1000	0.02	0.18	0.08	0.15	0.05	0.01	0.01
94/11/15	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
MEDIAN		0.02	0.05	0.05	0.1	0.05	0.01	0.01
NUMBER		13	13	13	13	13	13	13
MEAN		0.02	0.240769	0.0530769	0.111538	0.05	0.01	0.0101538
STD DEV		0.0000249	0.435056	0.0085487	0.0299578	0.0000529	0.0000076	0.0005548

48336 BE 07 03345500
3856 12.0 088 01 06.02
EMBARRAS R CO RD BR ST MARIE T6NR14WNW30
17079 ILLINOIS JASPER
OHIO RIVER 51791
WABASH RIVER
21ILL 05120112013 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/29	800	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/09	800	0.035	0.22	0.05	0.1	0.05	0.01	
86/04/10	800	0.038	1.2	0.29	0.23	0.05	0.01	0.01
86/05/28	800	0.97	5.3	0.5	1.1	0.26	0.01	
86/06/25	900	0.13	1.4	0.05	0.1	0.061	0.01	
86/07/23	1400	0.076	0.87	0.24	0.1	0.05	0.01	
86/10/28	800	0.12	1.3	0.05	0.31	0.05	0.01	
87/01/22	800	0.072	1.3	0.05	0.15	0.15	0.01	
87/04/16	800	0.54	7.3	11	1.2	0.05	0.01	0.021
87/05/27	800	0.23	0.77	0.36	0.37	0.05	0.01	
87/07/14	1030	0.28	2.2	0.39	0.5	0.091	0.01	0.01
87/08/26	930	0.02	0.32	0.05	0.1	0.05	0.01	0.01
87/10/14	930	0.035	0.34	0.05	0.14	0.05	0.01	0.01
88/01/05	1100	0.025	0.18	0.05	0.1	0.05	0.01	0.01
88/05/25	1100	0.13	0.55	0.097	0.19	0.05	0.01	0.01
88/05/25	1115	0.13	0.62	0.15	0.2	0.05	0.01	0.01
88/07/12	1115	0.02	0.44	0.05	0.1	0.05	0.01	0.01
88/08/24	1130	0.02	0.26	0.05	0.1	0.05	0.01	0.01
88/10/24	1115	0.035	0.24	0.05	0.1	0.05	0.01	0.01
89/01/10	1115	0.08	0.29	0.06	0.18	0.05	0.01	0.01
89/04/13	1115	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/05/17	1045	0.09	0.26	0.05	0.24	0.05	0.01	0.01
89/07/12	1330	0.09	1.9	0.44	0.35	0.05	0.01	0.01
89/08/30	1030	0.02	0.75	0.42	0.1	0.05	0.01	0.01
89/10/18	1115	0.03	0.16	0.05	0.1	0.05	0.01	0.01
89/11/28	1330	0.03	0.12	0.05	0.13	0.05	0.01	0.01
90/01/10	1145	0.02	0.16	0.15	0.2	0.05	0.01	0.01
90/04/18	1230	0.13	0.51	0.21	0.37	0.05	0.01	0.01
90/05/23	1030	2.9	4.3	4.8	3.7	0.24	0.01	0.01
90/07/11	1130	0.1	2.3	0.21	0.47	0.05	0.01	
90/08/22	1300	0.06	0.82	0.12	0.16	0.05	0.01	0.01
90/09/26	1030	0.02	0.52	0.17	0.1	0.05	0.01	0.01
90/11/14	1030	0.07	0.48	0.06	0.32	0.05	0.01	0.01
91/01/09	1330	0.02	0.24	0.05	0.1	0.05	0.01	0.01

91/04/10	1045	0.11	1.2	5.3	0.3	0.15	0.01	0.01
91/06/05	1100	0.39	9.6	1.5	1.2	0.016	0.01	0.01
92/04/15	1030	0.05	0.05	0.28	0.38	0.05	0.01	0.01
92/06/11	900	0.12	0.18	0.43	0.29	0.05	0.01	0.01
92/12/02	1200	0.02	0.05	0.05	0.13	0.05	0.01	0.01
93/03/16	1200	0.07	0.2	0.21	0.3	0.05	0.01	0.01
93/05/13	1100	0.16	2.1	1.4	0.44	0.05	0.01	0.01
93/10/07	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/29	1200	0.36	0.67	0.26	0.32	0.05	0.01	0.01
94/06/30	1300	0.09	2.3	0.28	0.48	0.05	0.01	0.01
94/11/15	1000	0.02	0.15	0.05	0.51	0.05	0.01	0.02
95/03/15	1200	0.02	0.05	0.05	0.64	0.05	0.01	0.01
95/05/17	1200	0.31	7.6	1.8	1.1	0.83	0.01	0.01
95/10/27	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
96/04/16	1100	0.02	0.28	0.05	0.11	0.05	0.01	0.01
96/05/29	700	0.39	15	2.7	4.4	1.7	0.01	0.02
96/07/02	1000	0.02	1.9	0.32	0.36	0.18	0.01	0.01
	MEDIAN	0.07	0.51	0.12	0.2	0.05	0.01	0.01
	NUMBER	51	51	51	51	51	51	42
	MEAN	0.17247	1.55195	0.691114	0.452351	0.112313	0.01	0.0107381
	STD DEV	0.424317	2.80281	1.81305	0.790526	0.255066	0	0.0026965

03343395 BE 14
3947 59.0 088 10 13.02
EMBARRAS R W EDGE CAMARGO T16N R9E NW34
17041 ILLINOIS DOUGLAS
OHIO RIVER
WABASH RIVER
21ILL 790616 05120112023 0012.260 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
96/03/26	1000	0.02	0.12	0.05	0.1	0.11	0.01	0.01
96/06/20	900	0.07	4.3	0.98	1.1	0.05	0.01	0.01
96/07/24	930	0.02	1.1	0.1	0.35	0.06	0.01	0.02
	MEDIAN	0.02	1.1	0.1	0.35	0.06	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.0366666	1.84	0.376666	0.516666	0.0733332	0.01	0.0133333
	STD DEV	0.0288675	2.18604	0.5231	0.520416	0.0321456	0	0.0057735

03339147 BO 07
3957 55.0 087 56 25.03
L VERMILN R 4 MI SE GEORGETOWN T17N R11W S12
17183 ILLINOIS VERMILION
OHIO RIVER
WABASH RIVER VERMILION RIVER
21ILL 790616 05120108023 0018.680 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
97/03/11	1045	0.02	0.33	0.05	0.38	0.05	0.01	0.01
97/06/13	800	0.02	0.58	0.21	0.3	0.05	0.01	0.01
97/08/04	1015	0.02	0.11	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.33	0.05	0.3	0.05	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.02	0.34	0.103333	0.26	0.05	0.01	0.01
	STD DEV	0	0.23516	0.092376	0.144222	0.0000748	0	0

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

163123 BP 01 03339000
4005 53.0 087 35 37.04
VERMILN R 3 .5 MI SE DANVILLE T19N R11W NW27
17183 ILLINOIS VERMILION
OHIO RIVER 51790
WABASH RIVER
21ILL 05120109001 0016.800 ON

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
97/04/02	1215	0.02	0.09	0.05	0.35	0.05	0.01	0.01
97/06/13	930	0.02	3.4	2.1	1.4	0.05	0.01	0.01
97/08/04	1130	0.02	0.46	0.52	0.17	0.05	0.01	0.01
MEDIAN		0.02	0.46	0.52	0.35	0.05	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.02	1.31667	0.889999	0.639999	0.05	0.01	0.01
STD DEV		0	1.81368	1.07392	0.664304	0.0000748	0	0

03336900 BPJ 07
4008 55.0 088 02 00.02
SALT FK VERMILION R N ST JOSEPH T20NR10ESE35
17019 ILLINOIS CHAMPAIGN
OHIO RIVER
WABASH RIVER VERMILION RIVER
21ILL 790616 05120109012 0002.440 ON

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
85/10/17	900	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/29	1100	0.02	0.05	0.05	0.1	0.05	0.01	
86/03/26	800	0.02	0.074	0.05	0.1	0.05	0.01	
86/05/01	800	1.2	3.3	4.1	2.2	0.05	0.01	0.036
86/06/18	800	0.042	0.26	0.05	0.19	0.05	0.01	
86/07/16	800	0.07	0.3	0.06	0.24	0.055	0.01	0.01
86/10/08	930	0.1	0.49	0.22	0.16	0.05	0.01	0.01
87/01/14	800	0.037	1.5	0.28	0.1	0.05	0.01	0.027
87/03/25	800	0.066	0.05	0.27	0.1	0.05	0.01	0.01
87/04/29	900	0.076	0.12	0.16	0.2	0.05	0.01	0.01
87/06/03	830	2.1	4.8	3.6	4.2	0.17	0.01	0.041
87/07/21	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/09/10	800	0.02	0.48	0.05	0.1	0.05	0.01	0.01
87/10/27	1130	0.11	0.05	0.3	0.41	0.05	0.01	0.01
88/01/11	1100	0.02	0.15	0.05	0.1	0.05	0.01	0.01
88/03/28	1130	0.037	0.05	0.05	0.1	0.05	0.01	0.012
88/05/16	1130	0.02	0.28	0.15	0.11	0.05	0.01	0.01
88/06/27	1200	0.02	0.062	0.05	0.1	0.05	0.01	0.01
88/08/15	1130	0.46	2.7	2.4	1.6	0.05	0.01	0.026
88/09/19	1130	0.02	0.08	0.05	0.1	0.05	0.01	0.024
88/11/09	1130	0.25	0.89	0.77	1.1	0.05	0.01	0.011
89/01/26	1030	0.21	0.42	0.24	0.32	0.05	0.02	0.016
89/04/05	1000	0.043	0.46	0.09	0.94	0.05	0.01	0.01
89/05/15	1000	0.06	0.35	0.05	0.19	0.05	0.01	0.01
89/06/29	1030	0.05	0.8	1.3	0.47	0.05	0.01	0.01
89/08/02	1200	0.02	0.31	0.06	0.1	0.05	0.01	0.01
89/09/14	1230	0.07	0.18	0.05	0.2	0.05	0.01	0.02
89/11/08	1200	0.18	0.43	0.05	0.84	0.05	0.02	0.01
90/01/23	1000	0.02	0.07	0.05	0.1	0.05	0.01	0.01
90/04/03	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/05/14	1000	0.22	0.86	0.13	1.4	0.05	0.01	0.01
90/06/25	1000	0.06	0.62	0.05	0.39	0.05	0.01	0.01
90/07/31	1000	0.04	0.44	0.05	0.39	0.05	0.01	0.01
90/09/25	1030	0.02	0.05	0.33	0.1	0.05	0.01	0.01
90/11/01	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/01/17	800	0.02	0.74	0.05	0.13	0.05	0.01	0.01
91/04/03	1400	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/05/23	730	0.12	0.87	0.14	0.6	0.05	0.01	0.012
91/10/01	800	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/18	815	0.02	0.05	0.05	0.16	0.05	0.01	0.01
92/06/04	730	0.02	0.32	0.12	0.63	0.05	0.01	0.01
92/11/19	830	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/10	1015	0.02	0.18	0.15	1.3	0.05	0.01	0.01
93/04/08	830	0.02	0.1	0.05	0.4	0.05	0.01	0.01
93/06/29	830	0.13	4.6	1.7	1.6	0.1	0.01	0.01

93/11/16	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/30	900	0.56	0.15	0.06	0.58	0.05	0.01	0.01
94/07/01	900	0.02	0.58	0.18	0.15	0.05	0.01	0.01
94/11/03	730	0.02	0.06	0.05	0.19	0.05	0.01	0.02
95/03/28	1100	0.02	2.2	0.14	0.81	0.28	0.01	0.01
95/05/12	900	0.02	0.7	0.41	0.52	0.05	0.01	0.01
95/10/17	930	0.02	0.05	0.05	0.1	0.09	0.01	0.01
97/03/17	930	0.02	0.05	0.05	0.48	0.05	0.01	0.01
97/07/28	1115	0.02	0.2	0.05	0.21	0.05	0.01	0.01
97/09/02	915	0.02	0.15	0.1	0.15	0.05	0.01	0.1
	MEDIAN	0.02	0.18	0.05	0.19	0.05	0.01	0.01
	NUMBER	55	55	55	55	55	55	51
	MEAN	0.125654	0.583194	0.343816	0.464723	0.0580904	0.0103636	0.0144117
	STD DEV	0.327662	1.03194	0.806226	0.69391	0.0354411	0.001889	0.0139501

03378900 C 19
3846 23.0 088 29 50.02
L WABASH R NE EDGE LOUISVILLE T4N R6E SE23
17025 ILLINOIS CLAY
OHIO RIVER
WABASH RIVER
21ILL 790616 05120114007 0018.070 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/29	1000	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/09	1000	0.02	0.2	0.05	0.1	0.05	0.01	
86/04/10	1000	0.12	1.5	9	0.3	0.05	0.01	0.026
86/05/28	1000	1.6	11	2.5	3.6	0.32	0.01	
86/06/25	1200	0.31	4	3	1.2	0.12	0.01	
86/07/23	1500	0.088	1.6	0.21	1.1	0.05	0.01	
86/10/28	1000	0.068	1.1	0.099	0.31	0.05	0.01	
87/01/22	1000	0.045	0.88	0.05	0.28	0.05	0.01	
87/04/16	1000	0.44	9.1	17	1.4	0.05	0.01	0.01
87/05/27	1000	1	7.1	1.4	3.3	0.05	0.01	0.01
87/06/18	800	1.4	13	2.2	3.8	0.14	0.01	0.01
87/08/18	900	0.039	0.69	0.099	0.26	0.05	0.01	0.01
87/11/10	900	0.072	0.53	0.3	0.31	0.05	0.01	0.01
88/02/03	900	0.02	0.3	0.05	0.1	0.05	0.01	0.01
88/04/14	900	0.066	0.49	0.058	0.11	0.05	0.01	0.01
88/05/12	900	0.048	0.24	0.19	0.18	0.05	0.01	0.01
88/06/16	900	0.077	0.98	0.59	0.83	0.05	0.01	0.01
88/08/16	900	0.057	0.59	0.061	0.37	0.05	0.01	0.01
88/10/13	800	0.02	0.17	0.05	0.1	0.05	0.01	0.01
89/01/05	900	0.08	0.71	0.05	0.21	0.05	0.01	0.017
89/03/28	900	0.02	0.27	0.05	0.1	0.05	0.01	0.01
89/05/31	900	1.5	12	5.6	3.6	0.05	0.01	0.01
89/06/29	1000	0.93	3.3	7.2	1.3	0.05	0.01	0.01
89/08/08	800	0.09	1.5	0.29	0.41	0.05	0.01	0.01
89/10/25	1200	0.02	0.31	0.05	0.1	0.05	0.01	0.01
90/01/18	900	0.04	0.05	0.1	0.22	0.05	0.01	0.01
90/04/05	900	0.07	2.9	0.05	0.85	0.05	0.01	0.01
90/05/31	900	0.19	2.9	0.3	0.88	0.05	0.01	0.01
90/06/26	900	1.9	16	0.05	5	0.89	0.01	0.01
90/08/16	900	0.05	3.1	0.29	0.75	0.08	0.01	0.01
90/11/08	900	0.02	2.6	0.59	0.1	0.05	0.01	0.01
91/01/31	900	0.02	0.05	0.05	0.15	0.05	0.01	0.01
91/04/11	900	0.49	3.6	0.05	0.19	0.05	0.01	0.01
91/05/21	900	1.3	17	3.9	3.5	0.28	0.05	0.01
91/11/05	900	0.08	0.14	0.05	0.41	0.05	0.01	0.02
92/03/26	900	0.078	1.4	0.05	0.37	0.05	0.01	0.01
92/05/12	900	0.02	1.5	0.32	0.24	0.05	0.01	10
92/11/10	800	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/30	900	0.02	0.15	0.05	0.16	0.05	0.01	0.01
93/06/03	900	0.26	4.2	1.1	0.89	0.09	0.01	0.01
93/11/04	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/08	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/06/21	900	0.02	15	1.5	2.2	0.05	0.01	0.01
94/10/06	900	0.02	0.11	0.05	0.1	0.05	0.01	0.01
96/04/04	900	0.03	0.72	0.05	0.14	0.63	0.01	0.01
96/05/14	900	0.21	5.9	0.89	1.4	1.5	0.01	0.02
96/06/11	900	0.27	13	3.5	3.8	1	0.01	0.03
97/04/15	900	0.02	1.6	0.07	0.16	0.05	0.01	0.02
97/05/22	900	0.02	2.2	0.42	0.44	0.05	0.01	
97/06/12	900	0.13	4.3	0.97	2.2	0.17	0.01	0.01

MEDIAN	0.066	1.4	0.099	0.31	0.05	0.01	0.01
NUMBER	50	50	50	50	50	50	42
MEAN	0.26936	3.40359	1.29493	0.958393	0.143399	0.0108	0.249595
STD DEV	0.477441	4.72814	2.94699	1.27903	0.27725	0.0056568	1.54122

03381495 C 23
3805 31.0 088 09 20.04
L WABASH R MAIN ST CARMI T5S R9E NE13
17193 ILLINOIS WHITE
OHIO RIVER 51700
WABASH RIVER
21ILL 820522 05120114001 0026.910 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
87/06/03	1000	1.1	11	2.9	1.8	0.1	0.17	0.01
87/08/25	1000	0.097	0.96	0.05	0.4	0.05	0.01	0.01
89/08/28	1000	0.09	0.9	0.22	0.37	0.05	0.01	0.04
MEDIAN		0.097	0.96	0.22	0.4	0.05	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.428999	4.28667	1.05667	0.856666	0.0666666	0.0633332	0.02
STD DEV		0.581114	5.814	1.59864	0.817088	0.0288676	0.092376	0.0173205

163174 CA 03 03381400
3809 15.0 088 09 57.02
SKILLET FK 4 MI N CARMI T4S R9E NW25
17193 ILLINOIS WHITE
OHIO RIVER 51791
WABASH RIVER LITTLE WABASH RIVER
21ILL 05120115001 0002.810 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/04/01	1000	0.02	0.1	0.1	0.12	0.05	0.01	0.1
98/06/03	1000	1.1	15	3.2	7.9	0.14	0.01	0.1
98/07/09	1100	0.22	1.4	0.65	0.93	0.29	0.01	0.1
MEDIAN		0.22	1.4	0.65	0.93	0.14	0.01	0.1
NUMBER		3	3	3	3	3	3	3
MEAN		0.446666	5.49999	1.31667	2.98333	0.16	0.01	0.1
STD DEV		0.574572	8.25289	1.65404	4.27718	0.121244	0	0

03380500 CA 05
3821 25.0 088 35 00.02
SKILLET FK RT 15 1 MI N WAYNE CITY T2S R6E SW7
17191 ILLINOIS WAYNE
OHIO RIVER
WABASH RIVER LITTLE WABASH RIVER
21ILL 790616 05120115001 0032.140 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
96/04/03	1000	0.02	0.19	0.07	0.1	0.37	0.01	0.01
96/05/13	1000	0.02	3.6	0.35	0.46	0.74	0.01	0.01
96/06/10	1000	0.33	10	3.7	3.7	1.1	0.01	0.55
97/04/14	1000	0.02	0.9	0.11	0.75	0.05	0.01	0.03
97/05/21	1000	0.02	4	3.4	0.8	0.05	0.01	
97/06/11	1000	0.11	10	8	3	0.22	0.01	0.01
98/04/20	1000	0.02	0.1	0.1	0.39	0.05	0.01	0.1
98/06/01	1000	0.48	14	3.7	4.8	0.22	0.01	0.1
98/07/13	1000	0.05	1.6	0.81	0.85	0.14	0.01	0.1
MEDIAN		0.02	3.6	0.81	0.8	0.22	0.01	0.03
NUMBER		9	9	9	9	9	9	8
MEAN		0.118889	4.93222	2.24889	1.65	0.326666	0.01	0.11375
STD DEV		0.169074	5.11657	2.69787	1.71487	0.363662	0.0000076	0.181339

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

03380350 CA 06
3831 10.0 088 43 39.02
SKILLET FK 7. 5 MI SE IUKA T1N R4E SE14
17121 ILLINOIS MARION
OHIO RIVER 51700
WABASH R LITTLE WABASH RIVER
21ILL 79127 05120115004 0005.870 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/04/21	1100	0.02	0.1	0.1	0.41	0.05	0.01	0.1
98/06/02	1100	0.51	16	3.6	6.6	0.28	0.01	0.1
98/07/14	1100	0.06	2.7	0.82	0.94	0.17	0.01	0.1
	MEDIAN	0.06	2.7	0.82	0.94	0.17	0.01	0.1
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.196667	6.26666	1.50667	2.65	0.166667	0.01	0.1
	STD DEV	0.272091	8.52896	1.84828	3.43105	0.115036	0	0

46200 D 01 05587060
3909 37.0 090 36 55.04
ILLINOIS R RT 100 AT HARDIN T10S R2W NW26
17013 ILLINOIS CALHOUN
UPPER MISSISSIPPI RIVER 71792
ILLINOIS RIVER
21ILL 7130011

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
91/03/28	1000	0.02	0.29	0.05	0.1	0.05	0.01	0.01
91/05/21	1130	1	8	9	2.7	0.15	0.04	0.01
91/11/12	1100	0.08	0.59	0.05	0.25	0.05	0.01	0.013
92/03/19	1130	0.02	0.05	0.05	0.19	0.05	0.01	0.01
92/05/27	1100	0.32	8.8	2.2	0.56	0.05	0.01	0.03
92/10/08	915	0.02	0.76	0.05	0.1	0.05	0.01	0.01
93/03/17	915	0.12	0.25	0.32	0.3	0.05	0.01	0.01
93/11/04	1030	0.02	0.05	0.14	0.1	0.05	0.01	0.01
93/12/16	1030	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/01/05	1607	0.02	0.05	0.2	0.1	0.05	0.01	0.01
94/01/25	1150	0.02	0.05	0.05	0.46	0.05	0.01	0.01
94/02/15	1335	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/08	1115	0.02	0.05	0.05	0.1	0.05	0.01	0.09
94/03/29	1225	0.02	0.05	0.12	0.13	0.05	0.01	0.01
94/04/19	1215	0.82	5.8	6.6	2.9	0.05	0.01	0.01
94/05/12	1230	0.27	3.8	6.3	1.6	0.05	0.01	0.01
94/06/02	1037	0.09	2.9	1.8	0.49	0.05	0.01	0.01
94/06/22	940	0.02	3.2	0.05	0.1	0.05	0.01	0.01
94/10/12	1100	0.04	0.05	0.11	0.32		0.01	0.01
95/03/22	1115	0.02	0.29	0.25	0.68	0.05	0.01	0.01
95/10/26	930	0.02	0.1	0.05	0.1	0.05	0.01	0.01
96/03/21	945	0.02	0.37	0.06	0.19	0.05	0.01	0.01
96/06/10	1100	0.08	4.3	2.7	1.7	0.45	0.01	0.04
96/07/24	1100	0.03	1.6	0.49	0.49	0.11	0.01	0.05
97/03/18	845	0.02	0.11	0.05	0.28	0.05	0.01	0.02
97/07/10	1045	0.02	1.6	0.82	0.41	0.05	0.01	0.04
97/08/27	1030	0.02	0.17	0.05	0.1	0.05	0.01	0.05
98/03/30	1100	0.02	0.14	0.1	0.25	0.05	0.01	0.1
98/05/07	1100	0.06	3.3	0.99	2.4	0.05	0.01	0.1
98/06/10	1130	0.03	1.9	0.93	1.2	0.05	0.01	0.1
	MEDIAN	0.02	0.29	0.11	0.25	0.05	0.01	0.01
	NUMBER	30	30	30	30	29	30	30
	MEAN	0.11	1.62399	1.12433	0.616666	0.06931	0.011	0.0274333
	STD DEV	0.230007	2.41079	2.23413	0.812879	0.0762485	0.0054772	0.0305644

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

48226 D 23 05543500
4119 40.0 088 45 10.04
ILLINOIS R MARSEILLES HARBOR RM 244 T33NR4ESW13
17099 ILLINOIS LA SALLE
UPPER MISSISSIPPI RIVER 71700
ILLINOIS RIVER
21ILL HQ 07120005001 0003.940 OFF

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
85/10/15	1200	0.02	0.05	0.05	0.1	0.05	0.01	
85/12/16	800	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/15	1130	0.13	0.34	0.05	0.1	0.05	0.01	0.023
86/05/20	1300	1.3	1.5	0.88	1.6	0.15	0.01	0.083
86/06/03	1130	0.9	5.3	3.6	1.3	0.36	0.064	
86/07/30	930	0.095	0.62	0.05	0.1	0.05	0.01	
86/10/08	1130	0.054	0.9	0.05	0.3	0.05	0.01	
86/10/08	1230	0.049	0.98	0.05	0.32	0.05	0.01	0.065
87/01/06	1000	0.02	0.05	0.05	0.17	0.05	0.01	
87/01/06	1105	0.02	0.05	0.05	0.2	0.05	0.01	
87/04/14	1330	0.24	1.4	1.6	0.61	0.05	0.01	0.045
87/06/12	1200	0.098	1.4	0.52	0.53	0.05	0.01	0.027
87/11/05	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/14	930	0.02	0.05	0.05	0.1	0.05	0.01	0.026
88/04/05	1230	0.02	0.14	0.061	0.1	0.05	0.01	0.031
88/05/04	1230	2.1	0.71	1.7	0.1	0.05	0.01	0.018
88/07/05	1230	0.02	0.1	0.06	0.09	0.05	0.01	0.016
88/08/09	1325	0.028	0.18	0.05	0.1	0.05	0.01	0.024
88/10/10	1300	0.02	0.25	0.05	0.1	0.05	0.01	0.031
88/11/01	1015	0.02	0.43	0.12	0.32	0.05	0.01	0.05
89/01/18	1000	0.07	0.23	0.38	0.1	0.05	0.01	0.026
89/04/04	1000	0.27	0.51	0.45	0.1	0.05	0.04	0.01
89/04/04	1100	0.28	0.63	0.2	0.1	0.05	0.01	0.03
89/06/05	1115	2.4	7.2	12	3.9	0.05	0.01	0.02
89/08/08	1220	0.03	0.59	0.05	0.13	0.05	0.01	0.05
89/10/03	1045	0.03	0.05	0.05	0.13	0.05	0.01	0.01
89/10/31	1230	0.07	0.17	0.05	0.1	0.05	0.01	0.01
90/01/09	1045	0.02	0.05	0.22	0.1	0.05	0.01	0.01
90/04/02	1000	0.13	0.11	0.05	0.1	0.05	0.01	0.01
90/04/02	1030	0.13	0.11	0.05	0.1	0.05	0.01	0.01
90/06/05	1200	0.16	0.27	0.34	0.14	0.05	0.01	0.02
90/08/07	1115	0.23	65	9.7	0.17	0.05	0.01	0.01
90/10/04	1300	0.02	0.05	0.06	0.1	0.05	0.01	0.01
90/11/08	1015	0.1	0.37	0.05	0.29	0.05	0.01	0.02
91/01/08	1115	0.02	0.38	0.1	0.1	0.05	0.01	0.01
91/04/11	1030	0.23	0.05	0.56	0.37	0.05	0.01	0.01
91/04/11	1100	0.23	0.05	0.74	0.53	0.05	0.01	0.01
91/06/05	1100	0.38	3.7	1.9	1.7	0.07	0.01	0.01
91/11/09	1000	0.2	1.1	0.25	0.1	0.05	0.01	0.019
92/04/11	1315	0.13	0.05	0.48	0.17	0.05	0.01	0.01
92/06/23	930	0.02	2.8	0.67	0.23	0.05	0.01	0.01
92/10/25	1030	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/04/20	835	0.04	0.05	0.23	0.18	0.05	0.01	0.03
93/05/04	1100	0.04	0.25	0.06	0.17	0.05	0.01	0.01
93/10/26	1535	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/04/11	1030	0.02	0.42	1.4	0.7	0.05	0.01	0.01
94/10/26	1340	0.07	0.09	0.17	0.61	0.05	0.01	0.01
95/04/04	820	0.02	0.46	0.42	0.1	0.05	0.01	0.01
95/11/13	920	0.02	0.29	0.33	0.1	0.05	0.01	0.08
96/03/05	1320	0.02	0.42	0.05	0.33	0.05	0.01	0.09
96/05/21	947	0.04	2	0.9	0.54	0.05	0.01	0.01
96/06/24	1140	0.15	4.7	2.1	1.1	0.21	0.01	0.02
98/04/07	1235	0.03	0.22	0.1	0.1	0.05	0.01	0.1
98/06/22	1220	0.03	3.8	1.7	1.6	0.05	0.01	0.1
98/07/20	1220	0.02	0.41	0.15	0.2	0.05	0.01	0.1
	MEDIAN	0.04	0.29	0.12	0.13	0.05	0.01	0.018
	NUMBER	55	55	55	55	55	55	48
	MEAN	0.19789	2.02236	0.821832	0.38418	0.0607267	0.0115273	0.0284166
	STD DEV	0.456437	8.7717	2.09372	0.628148	0.0482614	0.0082637	0.0274938

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

05586100 D 32
3942 10.0 090 38 40.04
ILLINOIS R .5 MI E VALL EY CITY T15N R14W NW34
17171 ILLINOIS SCOTT
UPPER MISSISSIPPI RIVER 71700
ILLINOIS RIVER
21ILL 810919 HQ 07130011010 0004.820 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
93/12/15	1710	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/01/05	920	0.02	0.05	0.18	0.1	0.05	0.01	0.01
94/01/25	915	0.02	0.05	0.05	0.32	0.05	0.01	0.01
94/02/15	1010	0.02	0.05	0.07	0.1	0.05	0.01	0.01
94/03/08	840	0.02	0.05	0.05	0.45	0.05	0.01	0.09
94/03/29	925	0.02	0.05	0.12	0.11	0.05	0.01	0.01
94/04/19	845	0.86	5.4	5.2	3.2	0.05	0.01	0.02
94/05/12	850	0.25	2.5	4.2	1.4	0.05	0.01	0.01
94/06/01	1800	0.06	1.8	1.7	0.46	0.05	0.01	0.01
94/06/21	1830	0.02	3.1	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.05	0.07	0.11	0.05	0.01	0.01
	NUMBER	10	10	10	10	10	10	10
	MEAN	0.131	1.31	1.167	0.634	0.05	0.01	0.019
	STD DEV	0.266018	1.85933	1.94401	0.985959	0.0000538	0.0000072	0.025144

05587000 DA 06
3914 03.0 090 23 40.02
MACOUPIN CR R T 267 3.5 MI NW KANE T9N R12W SE11
17061 ILLINOIS GREENE
UPPER MISSISSIPPI RIVER
ILLINOIS RIVER
21ILL 790616 HQ 07130012001 0016.890 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/11/06	1030	0.02	0.05	0.05	0.1	0.05	0.01	
86/02/13	1200	0.066	0.76	0.05	0.13	0.05	0.01	
86/04/02	1000	0.02	0.053	0.05	0.1	0.05	0.01	0.01
86/05/15	1100	2.3	0.97	0.51	2.6	0.36	0.01	
86/06/26	1030	0.082	3.1	0.66	0.51	0.062	0.01	
86/08/18	1100	0.02	0.59	0.14	0.11	0.05	0.01	
86/10/30	1030	0.031	1.9	0.091	0.19	0.05	0.01	0.017
87/01/27	1130	0.037	0.41	0.13	0.13	0.05	0.01	
87/04/06	1145	0.038	0.46	0.11	0.12	0.05	0.01	0.01
87/05/06	1030	0.91	12	2.6	4	0.12	0.082	0.01
87/06/25	1015	0.02	3.4	0.47	1.6	0.15	0.01	0.01
87/08/11	1030	0.11	1.5	0.17	0.77	0.05	0.01	0.024
87/09/09	1045	0.02	0.25	0.05	0.1	0.05	0.01	0.01
87/11/09	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/21	1115	0.029	0.97	0.051	0.27	0.05	0.01	0.01
88/04/12	1030	0.032	0.37	0.05	0.14	0.05	0.01	0.01
88/05/16	1115	0.02	0.85	0.09	0.35	0.05	0.01	0.01
88/06/21	1030	0.02	0.25	0.05	0.14	0.05	0.01	0.01
88/07/21	1030	0.02	0.31	0.08	0.14	0.05	0.01	0.01
88/09/26	1130	0.02	0.05	0.05	0.1	0.05	0.01	
88/10/31	1030	0.041	0.055	0.05	0.1	0.05	0.01	0.01
89/01/23	1115	0.02	0.35	0.05	0.1	0.05	0.01	0.01
89/03/30	1045	0.067	0.29	0.21	0.19	0.05	0.01	0.01
89/05/10	1230	0.45	5.5	1.5	2.4	0.05	0.02	0.01
89/06/26	1115	0.02	3.2	3.6	1.1	0.05	0.01	0.01
89/08/17	1100	0.02	0.64	0.11	0.16	0.05	0.01	0.01
89/09/27	1130	0.02	0.55	0.05	0.2	0.05	0.01	0.01
89/11/08	1130	0.02	0.3	0.12	0.1	0.05	0.01	0.01
90/01/18	1045	0.02	0.05	0.07	0.1	0.05	0.01	0.01
90/03/27	1100	0.57	0.86	0.57	1.2	0.05	0.01	0.01
90/05/10	1100	1	6	2	1.1	0.07	0.01	0.01
90/06/14	1100	0.3	4.7	0.7	1.5	0.09	0.02	0.01
90/07/17	1130	0.49	3.4	0.42	0.9	0.05	0.01	0.01
90/09/24	1100	0.02	0.28	0.55	0.2	0.05	0.01	0.01
90/10/25	1200	0.02	0.43	0.08	0.12	0.1	0.01	0.01
91/01/07	1130	0.02	0.57	0.2	0.1	0.05	0.01	0.01
91/03/21	1100	0.06	0.05	0.05	0.1	0.05	0.01	0.01

91/10/07	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/26	1015	0.12	3.7	1.8	0.54	0.05	0.01	0.01
92/06/09	1045	0.02	0.75	2.5	1.3	0.05	0.01	0.01
93/03/11	1030	0.02	0.35	0.22	0.1	0.05	0.01	0.01
93/05/20	930	0.08	0.1	2	0.44	0.24	0.01	0.01
93/06/24	1000	0.29	4.7	2.1	0.76	0.18	0.01	0.01
93/11/16	1145	0.08	0.05	0.23	0.19	0.05	0.01	0.01
94/03/21	1245	0.02	0.1	0.05	0.1	0.05	0.01	0.01
94/06/02	1230	0.06	3.8	2.4	0.18	0.05	0.01	0.01
94/11/01	1215	0.02	0.08	0.48	0.1	0.05	0.01	0.01
95/04/05	1030	0.09	0.75	0.7	0.58	0.54	0.01	0.01
95/10/31	1130	0.02	0.17	0.05	0.1	0.05	0.01	0.01
96/03/14	1245	0.02	0.58	0.88	0.16	0.13	0.01	0.01
96/06/27	1145	0.02	3.7	0.77	1.5	0.26	0.01	0.03
96/07/23	930	0.06	3.6	2.7	0.81	0.2	0.01	0.01
97/03/26	1030	0.02	0.33	0.3	0.1	0.05	0.01	
97/06/26	1045	0.02	1	0.79	0.73	0.05	0.01	0.01
97/08/18	915	0.02	0.27	0.09	0.17	0.05	0.01	0.01
98/04/16	1130	0.02	0.67	0.18	0.1	0.05	0.01	0.1
98/05/27	930	0.12	9.8	2.2	3.2	0.05	0.01	0.1
98/07/08	900	0.02	1.3	0.36	0.48	0.05	0.01	0.1
	MEDIAN	0.02	0.57	0.18	0.17	0.05	0.01	0.01
	NUMBER	58	58	58	58	58	58	50
	MEAN	0.140568	1.5753	0.632445	0.570858	0.0819303	0.0115862	0.01622
	STD DEV	0.350986	2.3758	0.879657	0.813914	0.0861061	0.0095862	0.0216703

DA 09
3912 24.0 090 00 05.04
MACOUPIN CR 1 MI W BEAVER DAM STATE PK T9NR8WSE20
17117 ILLINOIS MACOUPIN
UPPER MISSISSIPPI RIVER 71700
ILLINOIS RIVER
21ILL 890325 7130012

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
89/05/01	1200	0.81	12	1.9	8	0.05	0.16	0.01
89/05/02	400	2.3	16	4.8	9.2	0.05	0.06	0.01
89/05/02	2000	1.9	15	6.1	7.3	0.05	0.08	0.01
89/05/03	1115	1.5	9.3	3.6	7.8	0.05	0.11	0.01
89/05/05	1045	0.84	1.8	0.38	4.3	0.05	0.04	0.013
89/05/06	245	0.64	4.3	0.78	3.2	0.05	0.01	0.02
89/05/06	1845	0.46	3.4	0.67	2.3	0.05	0.02	0.02
89/05/08	1100	0.44	80	1.4	2.2	0.05	0.02	0.01
89/05/09	300	0.41	5.3	0.75	2.1	0.05	0.02	0.02
89/05/09	1900	0.36	7.6	1.1	2	0.05	0.03	0.02
89/05/10	1100	0.24	2.5	0.24	1.3	0.05	0.013	0.01
89/05/11	300	0.24	2.8	0.25	1.4	0.05	0.01	0.016
89/05/11	1900	0.23	2.5	0.34	1.6	0.05	0.011	0.01
89/05/12	1045	0.58	3.1	0.32	1.3	0.05	0.01	0.01
89/05/13	245	0.59	3	0.22	1.2	0.05	0.01	0.01
89/05/13	1845	0.49	2.9	0.2	1.3	0.05	0.01	0.01
89/05/15	1045	0.2	2.5	0.4	1.1	0.05	0.01	0.01
89/05/16	245	0.24	2.3	0.3	0.97	0.05	0.013	0.01
89/05/16	1845	0.18	0.91	0.05	0.94	0.05	0.02	0.01
89/05/17	1100	0.17	3.2	0.13	1.2	0.05	0.01	0.014
89/05/18	300	0.21	3.2	0.05	1.2	0.05	0.01	0.012
89/05/18	1900	0.15	2.9	0.05	1.1	0.05	0.01	0.015
89/05/19	1045	0.17	1.6	0.49	1.2	0.05	0.01	0.01
89/05/20	245	0.19	1.3	0.52	1.1	0.05	0.014	0.02
89/05/20	1845	0.08	11	0.61	13	0.05	0.063	0.02
	MEDIAN	0.36	3.1	0.4	1.4	0.05	0.013	0.01
	NUMBER	25	25	25	25	25	25	25
	MEAN	0.544799	8.01639	1.02599	3.13239	0.0499998	0.03096	0.0132
	STD DEV	0.562495	15.5963	1.54139	3.2567	0.0001404	0.0373391	0.0042525

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

46710 DB 01 05586600
3922 12.0 090 32 48.02
APPLE CR 6 MI N ELDRED T11N R13W NE28
17061 ILLINOIS GREENE
UPPER MISSISSIPPI RIVER 71792
ILLINOIS RIVER
21ILL 07130011005 0005.680 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/04/16	915	0.02	0.13	0.1	0.15	0.05	0.01	0.1
98/05/27	1030	0.04	14	2.3	5.1	0.2	0.01	0.1
98/07/08	1045	0.02	0.74	0.15	0.32	0.05	0.01	0.1
	MEDIAN	0.02	0.74	0.15	0.32	0.05	0.01	0.1
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.0266667	4.95667	0.849999	1.85667	0.1	0.01	0.1
	STD DEV	0.011547	7.83769	1.25599	2.81009	0.0866025	0	0

05586040 DD 04
3943 53.0 090 24 26.02
MAUVISE TERRE CR 1.5 MI NE MERRITT T15NR12WSW23
17171 ILLINOIS SCOTT
UPPER MISSISSIPPI RIVER
ILLINOIS RIVER
21ILL 790616 HQ 07130011011 0017.720 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/04/02	930	0.02	0.1	0.1	0.1	0.05	0.01	0.1
98/05/06	1000	0.02	5.3	0.62	1.4	0.05	0.01	0.1
98/07/06	1000	0.02	0.54	0.1	0.15	0.05	0.01	0.1
	MEDIAN	0.02	0.54	0.1	0.15	0.05	0.01	0.1
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.02	1.98	0.273333	0.55	0.05	0.01	0.1
	STD DEV	0	2.88361	0.300222	0.736545	0.0000748	0	0

46750 DE 01 05585830
3949 06.0 090 39 18.02
MCKEE CR RT 1 04 CHAMBERSBURG T3S R2W SW8
17149 ILLINOIS PIKE
UPPER MISSISSIPPI RIVER 71791
ILLINOIS RIVER
21ILL HQ 07130011026 0003.830 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/03/31	1030	0.02	0.13	0.12	0.1	0.05	0.01	0.1
98/05/11	1030	0.02	1.8	0.78	0.38	0.05	0.01	
98/06/11	1045	0.08	18	1.9	4.1	0.32	0.01	0.1
	MEDIAN	0.02	1.8	0.78	0.38	0.05	0.01	0.1
	NUMBER	3	3	3	3	3	3	2
	MEAN	0.04	6.64333	0.933333	1.52667	0.14	0.01	0.1
	STD DEV	0.034641	9.87055	0.899852	2.23296	0.155884	0	0

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

05585275 DF 04
3952 40.0 090 22 38.02
INDIAN CR SW SIDE OF AR ENZVILLE T17N R11W SE31
17017 ILLINOIS CASS
UPPER MISSISSIPPI RIVER
ILLINOIS RIVER
21ILL 790616 HQ 07130011020 0005.100 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/03/31	1145	0.02	0.1	0.1	0.1	0.05	0.01	0.1
98/05/11	1145	0.02	0.49	0.22	0.19	0.05	0.01	
98/06/11	1215	0.02	5.2	2	2.7	0.06	0.01	0.1
MEDIAN		0.02	0.49	0.22	0.19	0.05	0.01	0.1
NUMBER		3	3	3	3	3	3	2
MEAN		0.02	1.93	0.773333	0.996667	0.0533333	0.01	0.1
STD DEV		0	2.83861	1.06402	1.47582	0.005774	0	0

DG 01 05585000
3958 50.0 090 34 50.03
LAMOINE R RT 24 RIPLEY T1N R2W NE33
17169 ILLINOIS SCHUYLER
UPPER MISSISSIPPI RIVER 71791
ILLINOIS RIVER
21ILL 07130010001 0004.060 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/21	930	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/13	1200	0.02	0.05	0.05	0.1	0.05	0.01	
86/03/27	1000	0.029	0.13	0.05	0.1	0.05	0.01	
86/05/13	1000	3.2	5.5	5.1	0.99	0.05	0.01	0.01
86/06/19	1000	0.66	0.56	0.63	0.31	0.2	0.015	0.01
86/07/14	900	0.26	0.91	0.35	0.19	0.22	0.035	
86/10/02	930	0.088	0.76	0.19	0.1	0.05	0.01	0.01
87/01/08	900	0.02	0.05	0.05	0.1	0.05	0.01	
87/03/31	1115	0.041	0.27	0.083	0.1	0.05	0.01	0.01
87/04/28	1000	0.044	0.18	0.12	0.1	0.05	0.01	0.01
87/06/10	1230	1.4	4.6	2.5	2.3	0.31	0.01	0.01
87/07/16	1230	0.02	0.85	0.51	0.16	0.05	0.01	0.01
87/08/26	1100	0.062	0.38	0.25	0.1	0.05	0.01	0.012
87/10/22	945	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/07	930	0.095	0.42	0.35	0.12	0.05	0.01	0.011
88/03/30	900	0.082	0.63	0.16	0.43	0.05	0.01	0.016
88/05/05	1015	0.058	0.28	0.42	0.1	0.05	0.01	0.01
88/06/02	1030	0.045	0.77	1.6	0.21	0.05	0.01	0.01
88/07/14	915	0.02	0.77	0.05	0.13	0.05	0.01	0.01
88/09/15	915	0.02	0.054	0.05	0.1	0.05	0.01	0.01
88/10/28	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/01/18	930	0.02	0.09	0.05	0.1	0.05	0.01	0.01
89/03/28	930	0.02	0.1	0.05	0.1	0.05	0.013	0.01
89/04/27	930	0.03	0.99	0.34	0.11	0.05	0.01	0.01
89/06/22	930	1	7.2	12.6	1.3	0.05	0.01	0.01
89/08/10	1000	0.02	0.05	0.55	0.27	0.05	0.01	0.01
89/09/18	1130	0.02	0.51	0.05	0.1	0.05	0.01	0.01
89/10/31	1030	0.02	0.1	0.05	0.1	0.05	0.01	0.01
90/01/09	900	0.02	0.05	0.2	0.1	0.05	0.01	0.01
90/03/15	930	0.05	0.25	0.15	0.08	0.05	0.02	0.01
90/04/26	900	0.08	1.9	12	0.1	0.05	0.01	0.01
90/05/31	1000	0.39	1.8	1.2	0.55	0.05	0.01	0.01
90/07/12	1000	0.17	2.5	0.19	1.3	0.05	0.01	0.01
90/08/23	1000	0.02	0.75	0.13	0.1	0.05	0.01	0.01
90/10/10	1000	0.02	0.05	0.26	0.1	0.05	0.01	0.01
90/11/20	915	0.02	0.13	0.11	0.11	0.05	0.01	0.01
90/12/20	1000	0.02	0.05	0.1	0.1	0.05	0.01	0.01
91/02/06	1100	0.06	0.05	1	0.1	0.05	0.01	0.01
91/03/14	1000	0.09	1.5	0.44	0.25	0.05	0.01	0.01
91/05/08	1000	0.28	11	16	3.2	0.15	0.028	0.01
91/10/03	1245	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/25	930	0.03	2.7	0.5	0.45	0.05	0.01	0.01
92/06/08	945	0.64	1.6	4.4	0.9	0.05	0.01	0.01
92/11/05	830	0.07	0.33	0.05	0.1	0.05	0.01	0.01

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

93/04/05	900	0.04	0.38	0.08	0.11	0.05	0.01	0.01
93/11/01	845	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/15	830	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/06/27	745	0.09	4.1	3.1	0.15	0.05	0.01	0.01
94/11/14	930	0.02	0.22	1.6	0.1	0.05	0.01	0.08
95/03/27	1100	0.02	0.05	0.21	0.1	0.05	0.01	0.01
95/10/23	830	0.02	0.29	0.35	0.1	0.05	0.01	0.01
97/03/19	845	0.02	0.11	0.08	0.1	0.05	0.01	0.01
97/07/14	900	0.02	0.34	0.36	0.1	0.05	0.01	0.02
97/08/28	1030	0.02	0.67	0.05	0.1	0.05	0.01	0.05
98/03/31	845	0.02	0.1	0.1	0.1	0.05	0.01	0.1
98/05/11	845	0.02	0.81	0.46	0.1	0.05	0.01	
98/06/11	900	0.08	25	5.8	2.3	0.41	0.01	0.1
	MEDIAN	0.02	0.33	0.19	0.1	0.05	0.01	0.01
	NUMBER	57	57	57	57	57	57	51
	MEAN	0.170947	1.46024	1.3232	0.338945	0.0682449	0.0110702	0.0160588
	STD DEV	0.478066	3.72693	3.17426	0.61099	0.0654147	0.0042629	0.0204787

DG 04 05584500
4019 45.0 090 53 55.04
LAMOINE R RT 61 AT COLM AR T4N R4W SW18
17109 ILLINOIS MCDONOUGH
UPPER MISSISSIPPI RIVER 71700
ILLINOIS RIVER
21ILL 800301 HQ 07130010014 0001.370 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/22	1000	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/13	1000	0.036	0.12	0.05	0.1	0.05	0.01	
86/03/31	1000	0.02	0.11	0.05	0.1	0.05	0.01	0.01
86/05/14	1000	0.75	4.3	4.1	0.62	0.05	0.01	0.01
86/06/19	1200	0.23	0.28	0.18	0.17	0.05	0.01	0.01
86/07/15	1000	0.22	0.69	0.28	0.17	0.17	0.01	
86/10/23	1000	0.02	0.21	0.05	0.1	0.05	0.01	
87/01/12	1100	0.02	0.05	0.05	0.1	0.05	0.01	
87/03/31	945	0.043	0.27	0.15	0.1	0.05	0.01	0.033
87/04/30	1000	0.15	0.5	0.33	0.095	0.05	0.01	0.01
87/06/10	1100	0.36	2	1.3	0.56	0.12	0.01	0.01
87/07/16	1030	0.02	0.46	0.23	0.13	0.05	0.01	0.01
87/08/26	930	0.024	0.46	0.29	0.1	0.05	0.01	0.01
87/10/26	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/06	1100	0.078	0.19	0.18	0.1	0.05	0.01	0.01
88/03/31	945	0.11	0.27	0.1	0.31	0.05	0.01	0.022
88/05/09	1000	0.1	0.45	0.49	0.3	0.05	0.01	0.01
88/06/14	1030	0.029	1.3	2	0.43	0.05	0.01	0.01
88/07/18	1000	0.02	0.1	0.11	0.1	0.05	0.01	0.01
88/09/28	1000	0.02	0.085	0.05	0.1	0.05	0.01	0.01
88/11/07	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/01/19	1015	0.02	0.15	0.17	0.1	0.05	0.01	0.011
89/03/29	1000	0.02	0.09	0.06	0.1	0.05	0.01	0.01
89/05/09	1000	4.2	10	27	5.5	0.05	0.01	
89/06/23	1000	0.78	6.7	11.5	0.7	0.05	0.01	0.01
89/08/16	1100	0.02	1.3	0.55	0.1	0.05	0.01	0.01
89/09/21	1230	0.02	0.11	0.23	0.17	0.05	0.01	0.01
89/11/01	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/01/16	1000	0.02	0.05	0.13	0.1	0.05	0.01	0.01
90/03/19	1100	0.1	0.27	0.36	0.1	0.05	0.01	0.01
90/05/08	1000	1.5	3.7	8	2	0.05	0.01	0.01
90/06/06	1030	0.14	0.44	0.81	0.26	0.05	0.01	0.01
90/07/13	1045	0.24	2.3	0.66	1.1	0.05	0.02	0.01
90/08/27	1100	0.03	0.52	0.18	0.12	0.05	0.01	0.01
90/10/11	1030	0.09	0.72	0.05	0.1	0.02	0.01	0.01
91/02/07	1100	0.03	0.05	1	0.1	0.05	0.01	0.01
91/03/20	1100	0.09	0.05	0.05	0.1	0.05	0.01	0.01
91/05/08	1100	0.72	5	8.8	2	0.015	0.01	0.01
91/10/03	1000	0.02	0.2	0.3	0.4	0.05	0.01	0.01
92/03/25	1115	0.03	1.2	0.5	0.48	0.05	0.01	0.01
92/06/08	1145	0.55	1.4	0.59	0.14	0.05	0.01	0.01
92/10/29	1030	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/29	1000	0.03	4	0.14	0.1	0.05	0.01	0.01
93/06/08	1015	0.1	5.2	3.1	0.35	0.1	0.01	0.01
93/11/08	945	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/04/04	1000	0.02	0.05	0.07	0.1	0.05	0.01	0.01

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

94/06/22	945	0.02	1.4	0.05	0.1	0.05	0.01	0.01
94/10/19	1015	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/03/23	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/11/16	1000	0.02	0.46	0.05	0.1	0.05	0.01	0.01
96/03/20	1000	0.02	0.15	0.08	0.1	0.05	0.01	0.01
96/06/19	1045	0.03	4.6	2	0.48	0.05	0.01	0.01
98/03/25	1000	0.02	0.1	0.1	0.1	0.05	0.01	0.1
98/05/05	1000	0.02	1.3	0.74	0.14	0.05	0.01	0.1
98/06/25	945	0.02	1.9	0.79	0.24	0.05	0.01	0.1
	MEDIAN	0.024	0.27	0.18	0.1	0.05	0.01	0.01
	NUMBER	55	55	55	55	55	55	49
	MEAN	0.205999	1.19372	1.42636	0.362997	0.0531813	0.0101818	0.0162449
	STD DEV	0.608009	1.9923	4.15482	0.806413	0.0208038	0.0013482	0.0219198

48382 DJ 06 05568775
4103 45.0 089 47 45.02
SPOON R RT 17 2 MI W WY OMING T13N R6E SE34
17175 ILLINOIS STARK
UPPER MISSISSIPPI RIVER 71793
ILLINOIS RIVER
21ILL HQ 07130005023 0008.980 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/31	1100	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/29	1000	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/10	1100	0.02	0.14	0.05	0.1	0.05	0.01	0.01
86/05/20	1000	0.37	0.49	0.05	1.3	0.051	0.01	0.01
86/06/26	1000	0.023	16	0.05	0.16	0.05	0.01	0.01
86/07/23	930	0.02	0.062	0.05	0.1	0.05	0.01	
86/10/07	1030	0.02	0.28	0.05	0.12	0.05	0.01	
87/01/06	1000	0.02	0.05	0.05	0.1	0.05	0.01	
87/03/25	1100	0.02	0.05	0.05	0.19	0.05	0.01	0.023
87/04/22	1015	0.037	0.56	0.14	0.15	0.05	0.01	0.013
87/06/09	1030	0.022	0.77	0.12	0.48	0.05	0.01	0.01
87/07/14	1030	0.02	0.98	0.26	0.42	0.05	0.01	0.01
87/08/25	1100	0.071	0.62	0.14	0.39	0.05	0.01	0.01
87/10/29	1015	0.02	0.074	0.05	0.1	0.05	0.01	0.01
88/01/13	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/03/22	1030	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/04/21	1100	0.081	0.26	0.2	0.37	0.05	0.01	0.034
88/06/07	1030	0.02	0.2	0.074	0.16	0.05	0.01	0.01
88/07/12	1000	0.02	0.069	0.05	0.097	0.05	0.01	0.01
88/09/22	1030	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/10/25	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.013
89/01/04	1030	0.02	0.05	0.05	0.1	0.05	0.01	0.018
89/03/22	1100	0.02	0.06	0.05	0.1	0.05	0.027	0.01
89/04/26	1100	0.09	0.86	0.66	0.55	0.05	0.01	0.01
89/06/21	1045	0.11	4	0.05	1.7	0.05	0.01	0.01
89/08/03	1045	0.11	0.83	0.17	0.1	0.05	0.01	0.01
89/09/22	1100	0.02	0.05	0.05	0.19	0.05	0.01	0.01
89/11/03	1100	0.02	0.07	0.05	0.12	0.05	0.01	0.01
89/12/01	1030	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/03/21	1045	0.02	0.08	0.05	0.1	0.05	0.01	0.01
90/05/02	1100	0.02	0.05	0.06	0.1	0.05	0.01	0.01
90/06/05	1100	0.05	0.17	0.07	0.351	0.05	0.01	0.01
90/07/25	1115	0.07	0.57	0.08	0.34	0.05	0.01	0.01
90/09/13	1100	0.02	0.09	0.05	0.1	0.05	0.01	0.01
90/10/18	1245	0.02	0.23	0.05	0.1	0.05	0.01	0.01
91/01/09	1000	0.02	0.19	0.05	0.1	0.05	0.01	0.01
91/04/03	930	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.08	0.05	0.1	0.05	0.01	0.01
	NUMBER	37	37	37	37	37	37	32
	MEAN	0.0419998	0.764992	0.088486	0.245621	0.0500266	0.0104594	0.0115937
	STD DEV	0.0613992	2.66136	0.108189	0.332039	0.0002573	0.0027948	0.0049046

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

05570000 DJ 08
4029 10.0 090 20 34.02
SPOON R RT 95 .4 MI NE SEVILLE T6N R1E NW24
17057 ILLINOIS FULTON
UPPER MISSISSIPPI RIVER
ILLINOIS RIVER
21ILL 790616 HQ 07130005035 0000.500 OFF

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
85/10/17	1000	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/15	900	0.021	0.29	0.05	0.1	0.05	0.01	
86/04/14	1000	0.02	0.23	0.05	0.1	0.05	0.01	0.01
86/06/04	1000	0.2	3.9	2.5	1.6	0.093	0.01	0.01
86/07/01	1100	0.24	0.96	0.37	0.35	0.05	0.018	0.01
86/08/19	1000	0.02	0.2	0.05	0.15	0.05	0.01	
86/11/03	1000	0.02	0.22	0.05	0.11	0.05	0.01	
87/03/04	1000	0.032	0.27	0.05	0.17	0.05	0.01	0.01
87/04/09	1000	0.02	0.05	0.05	0.15	0.05	0.01	0.01
87/05/11	1000	0.029	0.16	0.17	0.17	0.05	0.01	0.01
87/06/29	1100	0.048	1	0.25	0.52	0.05	0.01	0.01
87/08/13	1000	0.22	2.6	0.47	1.5	0.05	0.01	0.01
87/09/10	1000	0.02	0.16	0.05	0.12	0.05	0.01	0.01
87/10/06	1245	0.02	0.12	0.05	0.12	0.05	0.01	0.01
88/01/04	1120	0.027	0.075	0.12	0.15	0.05	0.01	0.01
88/04/07	1130	0.066	0.41	0.05	0.39	0.05	0.01	0.019
88/07/13	1155	0.02	0.62	0.18	0.1	0.05	0.01	0.01
88/08/25	1300	0.02	0.1	0.05	0.1	0.05	0.01	0.01
88/10/03	1245	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/01/06	1330	0.02	0.13	0.05	0.16	0.05	0.01	0.01
89/04/19	1215	0.02	0.05	0.05	0.19	0.05	0.01	0.01
89/07/12	1430	0.04	7	0.62	1.1	0.05	0.01	0.01
89/10/19	1100	0.02	0.16	0.08	0.18	0.05	0.01	0.01
90/01/03	1105	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/04/11	1500	0.03	0.05	0.05	0.1	0.05	0.01	0.01
90/07/11	1115	0.21	3	0.63	1.5	0.05	0.01	0.01
90/08/22	1340	0.11	0.46	0.13	0.48	0.05	0.01	0.02
91/01/15	925	0.02	0.17	0.05	0.1	0.05	0.01	0.01
91/04/08	1330	0.09	0.46	0.24	0.5	0.05	0.01	0.03
91/05/21	1000	0.73	4.4	2.3	2.5	0.28	0.022	0.01
91/10/02	1035	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/04/21	1105	0.41	1.3	4.7	3.1	0.098	0.01	0.01
92/06/02	1245	0.02	0.14	0.34	0.32	0.05	0.01	0.01
93/03/10	1045	0.02	0.18	0.22	0.14	0.05	0.01	0.01
93/06/23	1245	0.12	2	0.91	0.53	0.05	0.01	0.01
93/11/08	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/16	1115	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/06/28	1100	0.09	4.9	2.1	1.5	0.03	0.01	0.01
94/11/15	1045	0.02	0.08	0.19	0.15	0.05	0.01	0.01
95/03/14	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/10/25	1045	0.02	0.4	0.58	0.1	0.05	0.01	0.01
97/03/27	1130	0.02	0.14	0.06	0.18	0.05	0.01	0.01
97/06/03	1145	0.02	1	0.8	0.32	0.05	0.01	0.01
97/07/17	1115	0.02	0.18	0.13	0.12	0.05	0.01	0.01
97/09/03	915	0.02	0.25	0.34	0.14	0.05	0.01	0.1
98/04/06	1115	0.02	0.1	0.1	0.1	0.05	0.01	0.1
98/05/14	1130	0.02	0.58	0.55	0.75	0.05	0.01	0.1
98/07/16	1130	0.02	0.43	0.22	0.17	0.05	0.01	0.1
	MEDIAN	0.02	0.18	0.1	0.15	0.05	0.01	0.01
	NUMBER	48	48	48	48	48	48	44
	MEAN	0.0690204	0.818225	0.423956	0.438123	0.0562704	0.0104167	0.0190682
	STD DEV	0.12457	1.47411	0.842042	0.648853	0.0343845	0.002061	0.0261315

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

DJ 09 05569500
4042 51.0 090 16 00.04
SPOON R N EDG E LONDON MILLS T8N R2E NE3
17057 ILLINOIS FULTON
UPPER MISSISSIPPI RIVER 71700
ILLINOIS RIVER
21ILL 800301 HQ 07130005015 0002.000 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
91/04/02	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/05/15	1015	0.02	0.05	0.05	0.39	0.05	0.01	0.01
91/11/05	1015	0.05	0.05	0.05	0.42	0.05	0.01	0.012
92/05/13	1000	0.029	0.22	0.4	0.33	0.05	0.01	0.01
92/11/09	930	0.02	0.15	0.05	0.1	0.05	0.01	0.01
93/03/29	915	0.02	0.13	0.05	0.37	0.05	0.01	0.01
93/06/21	900	0.14	4.2	1.5	0.93	0.05	0.01	0.01
93/11/09	930	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/23	900	0.02	0.05	0.05	0.11	0.05	0.01	0.02
94/07/05	900	0.02	0.55	0.05	0.15	0.05	0.01	0.01
94/10/24	1015	0.02	0.05	0.05	0.1	0.05	0.05	0.01
95/03/08	1115	0.02	0.05	0.1	0.1	0.05	0.01	0.01
95/05/15	900	0.12	4.9	5.5	5	0.23	0.01	0.01
95/11/16	1030	0.02	0.28	0.21	0.1	0.05	0.01	0.01
96/03/13	900	0.02	0.14	0.13	0.15	0.08	0.01	0.01
96/05/13	930	0.02	1.8	1.8	1.2	0.58	0.01	0.01
96/06/17	945	0.04	2.9	1.2	0.61	0.12	0.01	0.01
	MEDIAN	0.02	0.14	0.05	0.15	0.05	0.01	0.01
	NUMBER	17	17	17	17	17	17	17
	MEAN	0.0364117	0.918823	0.664117	0.603529	0.0976469	0.0123529	0.0107059
	STD DEV	0.0364024	1.5703	1.36783	1.17729	0.132407	0.0097014	0.0024435

05567510 DK 13
4035 12.0 089 16 42.02
MACKINAW R 4 MI SE DEER CREEK T25N R2W NE36
17179 ILLINOIS TAZEWELL
UPPER MISSISSIPPI RIVER
ILLINOIS RIVER
21ILL 790616 07130004002 0013.140 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/24	1300	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/14	1300	0.021	0.14	0.05	0.37	0.05	0.01	
86/04/22	1000	0.06	0.13	0.05	0.13	0.05	0.01	
86/05/22	1000	0.3	0.59	0.14	0.35	0.05	0.01	
86/06/19	1200	0.11	0.2	0.05	0.11	0.05	0.01	
86/09/04	1300	0.02	0.36	0.07	0.1	0.05	0.01	
86/10/16	1300	0.035	0.36	0.05	0.1	0.05	0.01	
87/04/09	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/05/05	1200	3.5	1.8	1.5	1.2	0.05	0.01	0.013
87/07/01	1200	0.15	1	0.25	0.59	0.05	0.01	0.01
87/08/11	930	0.02	0.21	0.058	0.1	0.05	0.01	0.01
87/09/09	1000	0.02	0.28	0.05	0.1	0.05	0.01	0.01
87/11/05	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/13	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/03/29	1200	0.02	0.091	0.05	0.1	0.05	0.01	0.018
88/05/19	1000	0.076	0.3	0.05	0.19	0.05	0.01	0.01
88/06/27	1000	0.02	0.21	0.05	0.1	0.05	0.01	0.01
88/08/15	1100	0.02	0.067	0.05	0.1	0.05	0.01	0.01
88/09/22	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/11/02	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/01/23	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/04/11	1000	0.02	0.2	0.05	0.1	0.05	0.01	0.01
89/05/11	1000	0.1	0.52	0.18	0.6	0.05	0.01	0.01
89/06/13	1000	0.02	0.46	0.16	0.26	0.05	0.01	0.01
89/08/16	1300	0.02	0.05	0.05	0.13	0.05	0.01	0.01
89/09/20	1300	0.04	0.27	0.13	0.32	0.05	0.01	0.01
89/11/02	1000	0.02	0.14	0.12	0.07	0.05	0.01	0.01
90/01/16	1300	0.02	0.09	0.15	0.1	0.05	0.01	0.01
90/03/27	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/05/22	1200	0.14	0.3	0.14	0.53	0.05	0.04	0.01

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

90/07/31	1000	0.02	0.11	0.05	0.13	0.05	0.01	0.01
90/09/11	1230	0.02	0.103	0.05	0.1	0.05	0.01	0.01
90/10/31	1000	0.02	0.1	0.17	0.1	0.05	0.01	0.01
91/02/28	1130	0.03	0.17	0.07	0.12	0.05	0.01	0.01
91/03/25	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/05/14	930	0.26	0.05	0.5	0.77	0.05	0.01	0.01
91/10/10	945	0.08	0.05	0.05	0.35	0.05	0.01	0.01
92/03/02	1130	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/05/04	1200	0.05	0.26	0.05	0.26	0.05	0.01	0.01
92/11/02	1130	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/31	930	0.02	0.05	0.05	0.11	0.05	0.01	0.01
93/06/02	1130	0.2	3.4	0.82	0.72	0.05	0.01	0.01
93/10/28	1130	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/04/14	1130	0.3	1.3	4	3.1	0.1	0.01	0.01
94/05/18	1145	0.03	0.46	0.34	4.1	0.05	0.01	0.01
94/06/29	1100	0.02	0.05	0.08	0.09	0.05	0.01	0.01
94/10/27	1145	0.02	0.05	0.08	0.1	0.05	0.01	0.01
95/03/28	1115	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/06/22	1045	0.02	1.1	1	0.23	0.52	0.01	0.01
95/07/13	1145	0.02	0.45	0.2	0.31	0.12	0.01	0.01
95/11/14	1115	0.02	0.3	0.17	0.1	0.05	0.01	0.01
96/03/11	1115	0.02	0.15	0.22	0.14	0.56	0.01	0.01
96/05/14	1100	0.02	0.94	0.65	0.64	0.39	0.01	0.01
96/07/02	1200	0.02	0.71	0.2	0.19	0.05	0.01	0.01
97/03/18	945	0.02	0.12	0.05	0.1	0.05	0.01	0.01
98/03/12	1100	0.02	0.1	0.1	0.11	0.05	0.01	
98/05/04	1100	0.06	1.8	0.71	3.2	0.05	0.01	0.1
98/06/24	845	0.02	0.78	0.22	0.55	0.05	0.01	0.1
	MEDIAN	0.02	0.14	0.05	0.1	0.05	0.01	0.01
	NUMBER	58	58	58	58	58	58	50
	MEAN	0.109	0.362429	0.240137	0.39086	0.074827	0.0105172	0.01382
	STD DEV	0.457975	0.57294	0.568606	0.764293	0.0998466	0.0039391	0.0178104

05556500 DQ 03
4121 55.0 089 29 55.02
BIG BUREAU CR RT 6 NR P RINCEN T16N R9E SE18
17011 ILLINOIS BUREAU
UPPER MISSISSIPPI RIVER
ILLINOIS RIVER
21ILL 790616 HQ 07130001033 0005.040 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/16	1500	0.25	0.05	0.05	0.33	0.05	0.01	
85/12/18	1200	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/08	1400	0.02	0.25	0.05	0.1	0.05	0.01	0.01
86/05/20	1530	0.85	0.71	0.05	1.6	0.093	0.01	0.01
86/06/24	730	0.083	0.72	0.05	0.25	0.05	0.01	
86/07/17	630	0.032	0.44	0.05	0.16	0.05	0.01	
86/11/10	1045	0.02	0.24	0.05	0.1	0.05	0.01	
87/02/04	1000	0.021	0.36	0.05	0.11	0.05	0.01	0.029
87/04/24	1700	0.45	2	1	0.59	0.05	0.01	0.015
87/05/12	1230	0.04	0.4	0.086	0.2	0.05	0.01	0.01
87/07/08	1430	0.02	1.3	0.05	0.1	0.05	0.01	0.01
87/08/10	1000	0.18	0.77	0.22	0.61	0.05	0.01	0.022
87/11/04	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.015
88/02/02	1130	0.02	0.17	0.05	0.1	0.05	0.01	0.01
88/04/20	830	0.02	0.085	0.05	0.25	0.05	0.01	0.01
88/05/24	1030	0.39	0.42	0.29	0.75	0.05	0.01	0.012
88/07/13	1500	0.02	1.3	0.05	0.1	0.05	0.01	0.019
88/08/17	1230	0.02	0.2	0.05	0.1	0.05	0.01	0.012
88/09/20	1515	0.16	1.2	0.22	0.95	0.05	0.01	0.055
88/10/18	1530	0.02	0.31	0.05	0.1	0.05	0.031	0.025
89/01/11	700	0.03	2.6	0.3	3.8	0.05	0.01	0.06
89/03/21	700	0.02	0.26	0.05	0.6	0.05	0.29	0.01
89/05/24	800	0.06	1.4	0.45	1.2	0.05	0.02	0.01
89/05/31	930	0.03	1.5	0.54	1.1	0.05	0.01	0.01
89/06/26	1230	0.02	2.8	0.35	0.7	0.05	0.02	0.01
89/08/10	910	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/10/26	1200	0.03	0.25	0.05	0.1	0.05	0.01	0.01
89/12/19	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/01/22	1010	0.03	0.72	0.05	0.75	0.05	0.01	0.01
90/04/18	1635	0.02	0.7	0.05	0.1	0.05	0.01	0.01
90/05/21	1440	0.1	0.46	0.3	0.51	0.05	0.01	0.01
90/07/25	1500	0.02	0.36	0.05	0.1	0.05	0.01	0.01

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

90/09/10	1515	0.02	0.15	0.05	0.1	0.05	0.01	0.02
90/10/23	800	0.1	0.05	0.05	1.4	0.05	0.01	0.01
91/01/29	815	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/03/18	1255	0.02	0.05	0.05	0.12	0.05	0.01	0.01
91/05/29	700	0.3	2.9	1.7	1.8	0.044	0.01	0.01
91/10/29	730	0.18	0.72	0.09	0.69	0.05	0.01	0.01
92/04/14	800	0.03	1.8	0.51	0.22	0.05	0.01	0.01
92/05/12	730	0.067	0.05	0.05	0.32	0.05	0.01	0.01
92/11/24	830	0.06	0.05	0.05	0.27	0.05	0.01	0.01
93/03/17	1440	0.02	1.4	0.26	0.3	0.05	0.01	0.01
93/05/04	1545	0.02	0.05	0.05	0.2	0.05	0.01	0.01
93/11/15	955	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/04/12	830	0.02	0.05	0.05	0.11	0.05	0.01	0.01
94/05/16	1700	0.09	0.44	0.31	0.12	0.05	0.01	0.01
94/10/25	1310	0.02	0.05	0.05	0.1	0.05	0.01	0.01
98/07/27	1250	0.02	0.32	0.1	0.15	0.05	0.01	0.1
	MEDIAN	0.02	0.32	0.05	0.16	0.05	0.01	0.01
	NUMBER	48	48	48	48	48	48	43
	MEAN	0.0846453	0.63239	0.173458	0.457497	0.0507704	0.0166875	0.0161395
	STD DEV	0.148776	0.757411	0.289995	0.653074	0.0062886	0.0404478	0.0168841

05555300 DS 07
4112 30.0 088 55 51.02
VERMILN R 3 MI NE LEONORE T32N R3E SW30
17099 ILLINOIS LA SALLE
UPPER MISSISSIPPI RIVER
ILLINOIS RIVER
21ILL 790616 07130002001 0015.900 ON

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
85/10/16	1330	0.02	0.05	0.05	0.1	0.05	0.01	
85/12/16	1200	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/16	1200	0.02	0.15	0.05	0.1	0.05	0.01	0.01
86/05/16	1030	5.3	2.4	2.1	2.1	0.16	0.01	0.019
86/06/25	1015	0.032	0.4	0.43	0.2	0.05	0.01	
86/08/13	1030	0.02	0.55	0.05	0.11	0.05	0.01	
87/01/26	930	0.02	0.067	0.05	0.1	0.05	0.01	
87/04/21	1030	0.043	0.9	0.57	0.14	0.05	0.01	0.01
87/05/20	930	1.4	1.9	2.3	2.5	0.37	0.01	0.01
87/06/25	930	0.54	2.3	0.8	2.4	0.38	0.01	0.013
87/07/22	1000	0.02	0.25	0.25	0.21	0.05	0.01	0.01
87/10/01	900	0.02	0.12	0.05	0.1	0.05	0.01	0.01
88/01/27	1700	0.02	0.15	0.05	0.18	0.05	0.01	0.01
88/04/05	1630	0.037	0.05	0.05	0.12	0.05	0.01	0.01
88/06/02	930	0.72	2.2	3.3	1.6	0.11	0.01	0.017
88/06/29	830	0.02	0.15	0.35	0.2	0.05	0.01	0.01
88/08/24	1300	0.02	0.11	0.05	0.1	0.05	0.01	0.01
88/10/27	830	0.03	0.065	0.05	0.1	0.05	0.01	0.01
89/01/26	900	0.07	0.13	0.15	0.5	0.05	0.01	0.01
89/04/13	800	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/05/30	1530	0.08	0.42	0.61	0.31	0.05	0.01	0.01
89/06/27	1630	0.02	0.32	0.05	0.14	0.05	0.01	0.01
89/08/16	1415	0.02	0.32	0.05	0.1	0.05	0.01	0.01
89/10/31	1100	0.02	0.05	0.05	0.1	0.05	0.02	0.01
89/12/07	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/03/13	930	0.03	0.31	0.12	0.39	0.05	0.09	0.01
90/04/11	930	0.02	0.05	0.05	0.13	0.05	0.01	0.01
90/05/17	1130	0.55	0.8	1.3	1.3	0.05	0.01	0.01
90/06/11	1015	1.3	2.3	0.93	1.6	0.05	0.02	0.01
90/07/26	800	0.02	0.25	0.05	0.41	0.06	0.01	0.01
90/10/17	900	0.02	0.18	0.13	0.22	0.05	0.01	0.01
91/01/08	830	0.02	0.24	0.05	0.1	0.05	0.01	0.01
91/02/27	830	0.03	0.09	0.05	0.1	0.05	0.01	0.01
91/03/20	800	0.04	0.05	0.05	0.21	0.05	0.01	0.01
91/05/01	900	0.45	0.27	0.74	0.33	0.05	0.01	0.01
91/10/30	730	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/26	1000	0.03	0.05	0.05	0.1	0.05	0.01	0.01
92/06/17	1145	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/10/29	945	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/04/06	845	0.03	0.1	0.11	0.13	0.05	0.01	0.01
93/05/04	1300	0.04	0.05	0.06	0.1	0.05	0.01	0.01
93/10/26	1650	0.02	0.05	0.05	0.11	0.05	0.01	0.01
94/04/11	1450	0.02	0.2	0.24	0.1	0.05	0.01	0.01
94/10/26	1145	0.02	0.05	0.05	0.1	0.17	0.01	0.01
95/04/04	1000	0.02	0.14	0.05	0.2	0.05	0.01	0.01
96/03/12	1140	0.02	0.12	0.05	1.5	0.27	0.01	0.01
96/05/08	1030	0.02	3.2	6.2				

96/06/24	1250	0.03	1	0.44	0.41	0.08	0.01	0.01
	MEDIAN	0.02	0.14	0.05	0.12	0.05	0.01	0.01
	NUMBER	48	48	48	48	48	48	43
	MEAN	0.236291	0.47608	0.469374	0.411455	0.0749993	0.0120833	0.0104418
	STD DEV	0.804377	0.772909	1.06845	0.634261	0.0744917	0.0116616	0.0017633

48390 DT 06 05550000
4209 59.0 088 17 25.04
FOXR RT 62 A LGONQUIN R D T43N R8E NW34
17111 ILLINOIS MCHENRY
UPPER MISSISSIPPI RIVER 71692
FOX RIVER
21ILL 07120006001 0013.400 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
91/04/16	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/05/21	1145	0.049	0.05	0.11	0.16	0.05	0.01	0.01
91/10/25	1030	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/05/27	1100	0.04	0.05	0.05	0.1	0.05	0.01	0.01
92/12/09	1330	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/08	1245	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/05/17	1120	0.02	0.1	0.12	0.1	0.05	0.01	0.01
93/10/20	1240	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/23	900	0.02	0.05	0.05	0.1	0.05	0.01	0.02
94/06/13	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/11/14	835	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/10/11	1050	0.02	0.05	0.14	0.1	0.05	0.01	0.01
98/08/10	1110	0.02	0.1	0.1	0.1	0.05	0.01	0.1
	MEDIAN	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	NUMBER	13	13	13	13	13	13	13
	MEAN	0.0237692	0.0576923	0.0707691	0.104615	0.05	0.01	0.0176923
	STD DEV	0.0093822	0.0187768	0.0335317	0.0166419	0.0000529	0.0000076	0.0248843

E 25 05583000
400725.0 089505.04
SANGAMON R RT 97 1.5 MI NW OAKFORD T19N R8W SE3
17125 ILLINOIS MASON
UPPER MISSISS IPPI RIVER 71700
ILLINOIS RIVER - SANGAMON RIVER
21ILL 800301 07130008007 0012.300 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/09	1210	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/08	1010	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/16	1200	0.048	0.52	0.05	0.24	0.05	0.01	0.01
86/07/18	1030	0.083	0.71	0.05	0.43	0.05	0.01	0.011
86/08/27	1100	0.02	0.4	0.05	0.16	0.05	0.01	0.01
87/04/15	1255	0.45	2.8	1.7	0.91	0.05	0.15	0.026
87/06/03	1030	0.064	0.57	0.19	0.38	0.05	0.01	0.01
87/08/27	1330	0.021	0.14	0.05	0.1	0.05	0.01	0.016
87/10/06	930	0.02	0.17	0.05	0.1	0.05	0.01	0.01
87/10/06	1115	0.02	0.17	0.05	0.1	0.05	0.01	0.01
88/01/05	1220	0.023	0.29	0.05	0.16	0.05	0.01	0.01
88/04/13	1200	0.035	0.071	0.05	0.12	0.05	0.01	0.012
88/07/14	1505	0.02	0.78	0.05	0.1	0.05	0.01	0.01
88/08/25	1445	0.02	0.11	0.05	0.1	0.05	0.01	0.01
88/10/03	1040	0.02	0.077	0.05	0.1	0.05	0.01	0.01
89/01/05	1330	0.091	0.16	0.05	0.11	0.05	0.01	0.018
89/04/19	1355	0.02	0.05	0.05	0.24	0.05	0.01	0.01
89/07/12	1130	0.02	1.1	0.18	0.3	0.05	0.01	0.01
89/10/19	1420	0.02	0.14	0.05	0.16	0.05	0.02	0.01
89/11/28	1100	0.02	0.12	0.08	0.1	0.05	0.01	0.01
90/01/03	1510	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/04/11	1025	0.02	0.05	0.05	0.14	0.05	0.01	0.01
90/05/23	1345	0.77	5.8	0.6	2.2	0.12	0.01	0.01
90/07/11	1630	0.13	2.6	0.53	1.2	0.05	0.01	0.01
90/08/22	1130	0.06	0.17	0.05	0.16	0.05	0.01	0.01
91/01/15	1540	0.02	0.34	0.05	0.12	0.05	0.01	0.01
91/04/08	1640	0.12	1	0.05	0.53	0.05	0.01	0.01
91/10/02	1445	0.02	0.05	0.05	0.1	0.05	0.01	0.01

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

92/04/21	1605	0.22	0.86	1.4	1.7	0.05	0.01	0.01
92/06/02	1000	0.02	0.32	0.4	0.68	0.05	0.01	0.01
92/10/14	1015	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/04/06	1030	0.04	0.25	0.12	0.26	0.05	0.01	0.01
93/06/03	930	0.06	0.52	0.4	0.32	0.05	0.01	0.01
93/10/21	1020	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/04/13	1015	1.6	12	20	6.1	0.1	0.08	0.08
94/05/23	1045	0.13	1.8	1.9	1	0.05	0.01	0.01
94/10/24	1200	0.02	0.05	0.22	0.1	0.05	0.03	0.01
95/03/20	1115	0.02	0.3	0.47	0.1	0.12	0.01	0.01
95/10/19	1000	0.02	2	2.1	0.1	0.05	0.01	0.01
96/03/11	1015	0.02	0.26	0.24	0.11	0.06	0.01	0.02
96/06/11	1015	0.08	4.6	1.7	1.7	0.44	0.01	0.01
96/07/29	1330	0.02	2.5	0.77	0.41	0.05	0.01	0.01
	MEDIAN	0.02	0.26	0.05	0.14	0.05	0.01	0.01
	NUMBER	42	42	42	42	42	42	40
	MEAN	0.107262	1.04995	0.814283	0.510474	0.0640472	0.0157143	0.012825
	STD DEV	0.271282	2.13228	3.08395	1.01338	0.061726	0.0240063	0.01137

05576500 E 26
3950 34.0 089 32 52.02
SANGAMON R OLD RT 36 W RIVERN T16N R4W NE16
17167 ILLINOIS SANGAMON
UPPER MISSISSIPPI RIVER 71700
ILLINOIS RIVER - SANGAMON RIVER
21ILL 79127 07130008015 0007.870 ON

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
96/04/01	1030	0.04	0.53	0.11	0.23	0.14	0.01	0.01
96/07/16	1030	0.02	2	0.72	0.37	0.1	0.01	0.02
97/03/11	945	0.02	0.47	0.09	0.24	0.05	0.01	0.02
97/07/08	945	0.02	0.85	0.31	0.28	0.05	0.01	0.01
97/08/25	1000	0.02	1.2	0.23	0.1	0.05	0.01	0.05
	MEDIAN	0.02	0.85	0.23	0.24	0.05	0.01	0.02
	NUMBER	5	5	5	5	5	5	5
	MEAN	0.024	1.01	0.292	0.244	0.078	0.01	0.022
	STD DEV	0.0089443	0.625261	0.255578	0.0976228	0.0408657	0	0.0164317

05572125 E 28
4000 08.0 088 38 07.02
SANGAMON R 4. 5 MI SW MONTICELLO T18N R5E E21
17147 ILLINOIS PIATT
UPPER MISSISSIPPI RIVER
ILLINOIS RIVE R
21ILL 790616 HQ 07130006013 0009.970 OFF

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
85/10/30	1000	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/08	1000	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/01	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
86/05/14	1300	0.15	0.42	0.22	0.35	0.05	0.01	0.014
86/06/12	1130	0.9	1.3	0.41	1.5	0.34	0.01	
86/07/10	1000	0.031	0.29	0.05	0.05	0.05	0.01	
86/10/09	1000	0.046	0.54	0.05	0.65	0.05	0.01	0.018
87/01/07	930	0.02	0.05	0.05	0.1	0.05	0.01	
87/03/19	930	0.02	0.06	0.05	0.1	0.05	0.01	
87/04/29	1000	0.12	0.26	0.095	0.52	0.05	0.01	0.01
87/06/17	900	0.032	0.67	0.063	0.37	0.05	0.01	0.01
87/07/22	1000	0.02	0.26	0.17	0.46	0.05	0.01	0.01
87/08/26	1000	0.02	0.05	0.05	0.13	0.05	0.01	0.011
87/10/21	1200	0.02	0.05	0.05	0.5	0.05	0.01	0.014
88/01/06	1000	0.02	0.068	0.05	0.1	0.05	0.01	0.05
88/03/23	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/05/04	1000	0.04	0.76	0.05	0.25	0.05	0.01	0.01
88/06/15	1000	0.02	0.076	0.05	0.1	0.05	0.01	0.01
88/07/21	1000	0.1	0.45	0.45	1.1	0.05	0.01	0.018
88/09/12	1000	0.06	3.8	0.26	0.89	0.05	0.01	0.058
88/10/31	1000	0.02	0.31	0.21	0.45	0.05	0.01	0.024
89/02/27	1000	0.04	0.06	0.05	0.1	0.05	0.01	0.02

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

89/04/12	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/05/15	1000	0.12	0.25	0.2	0.41	0.05	0.01	0.01
89/06/21	900	0.03	0.32	0.11	0.42	0.05	0.01	0.01
89/08/02	1000	0.04	0.62	0.4	1.1	0.05	0.01	0.01
89/09/06	1000	0.2	0.7	0.21	1.3	0.05	0.01	0.01
89/10/24	900	0.02	0.08	0.05	0.16	0.05	0.05	0.01
90/01/10	900	0.02	0.05	0.06	0.1	0.05	0.01	0.01
90/03/26	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/05/17	930	0.22	0.76	0.05	1.5	0.05	0.06	0.01
90/06/26	1000	0.59	4.5	0.05	2.2	0.48	0.04	0.01
90/07/26	1000	0.04	0.69	0.05	0.51	0.05	0.01	0.01
90/09/13	930	0.02	0.12	0.05	0.1	0.05	0.01	0.01
90/11/01	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/01/16	1000	0.02	0.14	0.05	0.14	0.05	0.01	0.01
91/04/08	1000	0.12	0.05	0.05	0.19	0.05	0.01	0.01
91/05/20	930	2.6	8.4	3.6	4.2	0.29	0.05	0.01
91/10/29	1200	0.09	0.05	0.05	0.32	0.05	0.01	0.01
92/03/11	1200	0.02	0.05	0.05	0.3	0.05	0.01	0.01
92/05/07	1230	0.09	0.26	0.16	0.68	0.05	0.01	0.01
92/11/10	1200	0.15	0.15	0.05	1.1	0.05	0.01	0.01
93/03/09	1245	0.02	0.35	0.15	0.42	0.05	0.01	0.01
93/05/19	1215	0.02	0.2	0.16	0.29	0.05	0.01	0.01
93/11/09	1045	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/04/07	1230	0.03	0.05	0.07	0.22	0.05	0.01	0.01
94/05/16	1200	0.06	0.42	0.64	0.67	0.05	0.01	0.01
94/10/26	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/04/13	1030	0.03	5.1	2.8	4.3	0.11	0.01	0.01
95/07/17	1230	0.06	1.5	0.35	0.81	0.19	0.01	0.01
95/11/01	1130	0.02	0.4	0.3	0.1	0.05	0.01	0.01
96/03/21	1130	0.02	0.13	0.05	0.11	0.12	0.01	0.01
96/06/20	1245	0.14	0.05	2.9	1.6	0.1	0.01	0.01
96/07/29	930	0.02	0.64	0.2	0.17	0.05	0.01	0.01
97/03/19	1145	0.02	0.1	0.05	0.18	0.05	0.01	0.01
98/04/13	845	0.02	0.1	0.1	0.11	0.05	0.01	0.1
98/05/07	1200	0.02	8.7	2.7	4.8	0.05	0.01	0.1
98/06/29	1145	0.04	2.1	0.38	1	0.05	0.01	0.1
	MEDIAN	0.02	0.15	0.05	0.29	0.05	0.01	0.01
	NUMBER	58	58	58	58	58	58	52
	MEAN	0.116706	0.809548	0.326172	0.65741	0.0720683	0.0127586	0.0178269
	STD DEV	0.360022	1.7895	0.75084	1.0072	0.0759681	0.0103945	0.0223499

46910 EI 02 05582000
4008 06.0 089 44 12.02
SALT CR RT29 4MI N GREE NVIEW T19NR6WNE2
17125 ILLINOIS MASON
UPPER MISSISSIPPI RIVER 71791
ILLINOIS RIVER - SANGAMON RIVER
21ILL 07130009001 0005.740 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/24	830	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/07	900	0.02	0.05	0.05	0.1	0.05	0.01	
86/03/26	900	0.02	0.05	0.05	0.1	0.05	0.01	
86/05/12	900	0.15	0.76	0.05	0.75	0.05	0.01	0.01
86/06/12	1000	0.57	0.72	0.05	1	0.28	0.01	0.019
86/07/10	800	0.15	0.42	0.05	0.35	0.05	0.023	0.013
86/10/08	800	0.025	0.41	0.05	0.16	0.05	0.01	
87/01/15	900	0.02	0.63	0.071	0.12	0.05	0.01	
87/04/02	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/05/05	900	0.14	0.5	0.17	0.67	0.05	0.01	0.01
87/06/18	900	0.02	0.38	0.052	0.26	0.05	0.01	0.01
87/08/06	900	0.04	0.13	0.05	0.21	0.05	0.01	0.01
87/09/21	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/11/05	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/02/09	1300	0.02	0.1	0.05	0.1	0.05	0.01	0.01
88/04/21	1200	0.065	0.091	0.05	0.32	0.05	0.01	0.01
88/05/24	1230	2.5	2.2	5	1.6	0.2	0.23	0.027
88/07/11	1400	0.02	0.047	0.05	0.1	0.05	0.01	0.01
88/08/16	1400	0.02	0.3	0.05	0.13	0.05	0.01	0.01
88/09/20	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/11/07	1230	0.02	0.062	0.05	0.1	0.05	0.01	0.01
89/01/25	1230	0.02	0.094	0.05	0.1	0.05	0.01	0.01
89/04/04	1230	0.098	1.4	0.26	0.54	0.05	0.02	0.02
89/05/22	1230	0.63	2.8	0.42	2.6	0.05	0.01	0.01
89/06/22	1200	0.04	0.58	0.3	0.61	0.05	0.01	0.01

89/07/31	1230	0.02	0.78	0.2	0.28	0.05	0.01	0.01
89/09/11	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/11/02	1230	0.02	0.05	0.05	0.1	0.05	0.02	0.01
90/01/17	1200	0.02	0.05	0.09	0.1	0.05	0.01	0.01
90/03/29	1200	0.02	0.13	0.05	0.1	0.05	0.01	0.01
90/05/07	1230	0.22	0.62	0.6	0.98	0.05	0.01	0.01
90/06/21	915	1.1	8.7	0.45	3	0.09	0.01	0.01
90/07/30	1230	0.02	0.33	0.06	0.27	0.05	0.01	0.01
90/09/24	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/11/07	1300	0.05	0.16	0.05	0.23	0.05	0.01	0.01
91/01/15	1300	0.02	0.19	0.05	0.11	0.05	0.01	0.01
91/04/09	1100	0.02	0.46	0.05	0.2	0.05	0.01	0.01
91/05/22	1230	0.32	2.1	2.2	1.4	0.05	0.01	0.01
91/11/13	1130	0.02	0.05	0.2	0.37	0.05	0.01	0.01
92/03/23	1300	0.02	0.62	0.2	0.12	0.05	0.01	0.01
92/06/01	1215	0.04	0.75	0.05	0.3	0.05	0.01	0.01
92/10/14	800	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/04/06	830	0.04	0.1	0.05	0.18	0.05	0.01	0.01
93/06/03	730	0.07	0.41	0.36	0.26	0.05	0.01	0.01
93/10/27	1045	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/11/09	1045	0.02	0.09	0.5	0.1	0.05	0.01	0.04
95/03/23	1200	0.02	0.05	0.42	0.1	0.05	0.01	0.01
95/10/18	1215	0.02	0.05	0.16	0.1	0.05	0.01	0.01
97/03/12	1100	0.02	0.51	0.25	0.29	0.05	0.01	0.01
97/07/09	1100	0.02	0.55	0.14	0.16	0.05	0.01	0.01
97/08/26	1130	0.02	0.8	0.24	0.2	0.05	0.01	0.05
	MEDIAN	0.02	0.16	0.05	0.16	0.05	0.01	0.01
	NUMBER	51	51	51	51	51	51	46
	MEAN	0.135451	0.582819	0.270451	0.387644	0.0582348	0.0149608	0.0123695
	STD DEV	0.387374	1.29531	0.747903	0.593337	0.0383521	0.0308266	0.0077756

05581500 EID 04
4013 20.0 089 24 12.02
SUGAR CR 2.6 MI SE HARTSBURG T21N R3W SW35
17107 ILLINOIS LOGAN
UPPER MISSISSIPPI RIVER
ILLINOIS RIVER
21ILL 790616 07130009014 0013.880 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
97/03/20	930	0.02	0.05	0.05	0.28	0.05	0.01	0.01
97/07/09	815	0.02	0.37	0.05	0.12	0.05	0.01	0.01
97/08/26	815	0.02	0.4	0.07	0.45	0.05	0.01	0.05
	MEDIAN	0.02	0.37	0.05	0.28	0.05	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.02	0.273333	0.0566666	0.283333	0.05	0.01	0.0233333
	STD DEV	0	0.193993	0.0115472	0.165025	0.0000748	0	0.023094

05580500 EIE 05
4011 30.0 089 21 40.02
KICKAPOO CR 1 .75 MI N L INCOLN T20N R2W NW18
17107 ILLINOIS LOGAN
UPPER MISSISSIPPI RIVER
ILLINOIS R - SANGAMON R - SALT CR
21ILL 790616 07130009012 0007.740 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
97/03/20	1015	0.02	0.1	0.05	0.29	0.05	0.01	0.01
97/07/09	915	0.02	0.43	0.07	0.18	0.05	0.01	0.01
97/08/26	930	0.02	0.32	0.06	0.16	0.05	0.01	0.05
	MEDIAN	0.02	0.32	0.06	0.18	0.05	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.02	0.283333	0.06	0.21	0.05	0.01	0.0233333
	STD DEV	0	0.168028	0.0100003	0.07	0.0000748	0	0.023094

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

EL 01 05577505
3949 16.0 089 41 16.04
SPRING CR BRU NS LN NW E DGE SPRINGFLD T16NR5WSW20
17167 ILLINOIS SANGAMON
UPPER MISSISSIPPI RIVER 71700
ILLINOIS RIVE R - SANGAMON RIVER
21ILL 800301 HQ 07130008014 0004.510 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
89/05/01	1415	0.62	9.1	4.1	5	0.05	0.04	0.013
89/05/02	930	0.39	4.3	1.3	2.4	0.05	0.01	0.011
89/05/03	1300	0.2	2.1	0.45	1.3	0.05	0.013	0.01
89/05/04	1330	2.4	1.9	0.45	1	0.05	0.016	0.016
89/05/05	1230	0.17	1.6	0.35	1.1	0.05	0.02	0.013
89/05/08	1230	0.11	1.3	0.25	0.86	0.05	0.01	0.01
89/05/09	1300	0.45	4.8	2.6	1.3	0.05	0.06	0.01
89/05/10	1245	0.15	2.7	0.87	2.6	0.05	0.05	0.02
89/05/11	1400	0.25	8.6	0.44	4.8	0.05	0.01	0.01
89/05/12	1210	1.3	8.2	1.4	2.2	0.05	0.02	0.011
89/05/15	1215	0.26	5.2	0.38	4.4	0.05	0.01	0.01
89/05/16	1330	0.18	2.6	0.3	2.5	0.05	0.01	0.01
89/05/17	1220	1.4	3.1	4.3	1.9	0.05	0.01	0.01
89/05/18	1345	0.24	6.1	9.2	2.7	0.05	0.01	0.01
89/05/19	1230	0.25	6.4	9.3	2.3	0.05	0.03	0.01
	MEDIAN	0.25	4.3	0.87	2.3	0.05	0.013	0.01
	NUMBER	15	15	15	15	15	15	15
	MEAN	0.558	4.53333	2.37933	2.424	0.05	0.0212666	0.0116
	STD DEV	0.647227	2.65133	3.09027	1.34677	0.0000516	0.0163465	0.0028983

48417 EO 02 05575500
3934 40.0 089 23 30.02
S FK SANGAMON RT 104 .2 5 M SE KINCD T13NR3WNE14
17021 ILLINOIS CHRISTIAN
UPPER MISSISSIPPI RIVER 71700
ILLINOIS RIVE R - SANGAMON RIVER
21ILL HQ 07130007016 0012.600 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
96/03/26	900	0.14	0.66	0.5	0.31	0.32	0.01	0.01
96/05/22	915	0.07	3.8	0.54	1.2	0.28	0.01	0.01
96/07/15	915	0.02	0.65	0.09	0.44	0.2	0.01	0.09
97/03/20	830	0.02	0.12	0.05	0.17	0.05	0.01	0.01
97/06/30	900	0.02	0.24	0.05	0.25	0.05	0.01	0.01
97/08/19	930	0.02	0.08	0.05	0.53	0.05	0.01	0.01
	MEDIAN	0.02	0.24	0.05	0.31	0.05	0.01	0.01
	NUMBER	6	6	6	6	6	6	6
	MEAN	0.0483333	0.925	0.213333	0.483333	0.158333	0.01	0.0233333
	STD DEV	0.0491596	1.43128	0.238384	0.374255	0.124806	0	0.0326598

46170 F 01 05527500
4121 00.0 088 11 40.03
KANKAKEE R I- 55 3 MI NW WILMINGN T33NR9ENW15
17197 ILLINOIS WILL
UPPER MISSISS IPPI RIVER 70793
KANKAKEE RIVE R
21ILL HQ 07120001001 0005.910 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/16	1155	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/28	1400	0.023	0.095	0.05	0.1	0.05	0.01	
86/04/23	1145	0.035	0.27	0.083	0.11	0.05	0.01	0.01
86/04/23	1200	0.04	0.25	0.055	0.1	0.05	0.01	0.01
86/07/03	800	1.3	2.1	0.05	1.4	0.65	0.065	
86/07/30	1200	0.02	0.31	0.077	0.1	0.05	0.01	0.01
86/10/21	930	0.02	0.2	0.05	0.1	0.05	0.01	0.01

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

87/01/05	1200	0.02	0.05	0.05	0.1	0.05	0.01	
87/04/07	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/05/28	900	2.2	4.7	2.2	2.8	0.05	0.01	0.01
87/07/09	1200	0.08	0.71	0.19	0.3	0.05	0.01	0.01
87/09/02	1300	0.081	0.44	0.051	0.25	0.05	0.01	0.01
87/10/01	1130	0.026	0.11	0.05	0.1	0.05	0.01	0.01
88/01/27	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/04/05	1030	0.074	0.23	0.05	0.13	0.05	0.01	0.01
88/06/02	1130	0.4	1	1	0.57	0.05	0.01	0.01
88/06/29	1200	0.02	0.14	0.052	0.1	0.05	0.01	0.01
88/08/23	930	0.029	0.05	0.05	0.1	0.05	0.01	0.01
88/10/25	845	0.098	0.18	0.16	0.1	0.05	0.01	0.013
89/01/23	945	0.02	0.094	0.05	0.1	0.05	0.01	0.01
89/05/10	1120	0.19	0.72	0.37	0.27	0.05	0.01	0.01
89/07/11	1015	0.02	1.1	0.31	0.06	0.05	0.01	0.01
89/08/14	1200	0.02	0.05	0.06	0.1	0.05	0.01	0.01
89/09/13	1020	0.07	0.37	0.31	0.48	0.05	0.01	0.01
89/10/19	1000	0.02	0.05	0.05	0.14	0.05	0.01	0.01
89/12/13	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/01/24	1130	0.03	0.05	0.05	0.13	0.05	0.01	0.01
90/03/13	1230	0.04	0.31	0.2	0.35	0.05	0.04	0.01
90/04/11	1300	0.11	0.5	0.18	0.1	0.05	0.01	0.01
90/05/17	830	1.4	3.9	3.6	2.1	0.05	0.01	0.01
90/06/11	1230	1.9	4.4	1.5	2.4	0.12	0.01	0.01
90/07/26	1230	0.14	1.4	0.34	0.45	0.07	0.01	0.01
90/10/17	1200	0.04	0.46	0.26	0.1	0.05	0.01	0.01
91/01/09	1300	0.02	0.38	0.1	0.1	0.05	0.01	0.01
91/02/27	1130	0.03	0.09	0.05	0.1	0.05	0.01	0.01
91/03/20	1230	0.04	0.05	0.05	0.5	0.05	0.01	0.01
91/04/23	1130	0.45	0.27	0.74	0.32	0.05	0.01	0.01
91/06/12	1130	0.13	0.54	0.13	0.022	0.05	0.01	0.01
91/10/02	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/17	1130	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/06/17	1330	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/10/29	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/04/06	1230	0.04	0.38	0.2	0.15	0.05	0.01	0.01
93/05/04	800	0.05	0.05	0.11	0.17	0.05	0.01	0.01
93/10/26	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/28	910	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/06/06	1228	0.04	0.46	0.24	0.07	0.05	0.01	0.01
94/10/12	1057	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.03	0.18	0.051	0.1	0.05	0.01	0.01
	NUMBER	48	48	48	48	48	48	44
	MEAN	0.197625	0.562683	0.284749	0.328583	0.0643743	0.0117708	0.0100682
	STD DEV	0.477819	1.06469	0.628586	0.594862	0.0869562	0.0089614	0.0004521

475 G 15 05530590
4157 12.0 087 51 14.02
DESPLAINES R IRVING PK RD SCHLR PK T40NR12ESE15
17031 ILLINOIS COOK
UPPER MISSISSIPPI RIVER 71391
DESPLAINES RIVER
21ILL 07120004011 0011.290 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/16	930	0.02	0.05	0.05	0.1	0.05	0.01	
85/12/16	1015	0.02	0.05	0.05	0.1	0.05	0.01	
86/03/20	1030	0.02	0.32	0.05	0.1	0.05	0.01	
86/06/02	1430	1	2	1.3	0.84	0.33	0.01	
86/06/13	1130	0.02	0.74	0.05	0.73	0.19	0.01	
86/07/21	900	0.02	1.3	0.17	0.1	0.1	0.01	0.032
86/10/10	1000	0.02	0.93	0.05	0.1	0.05	0.01	
86/12/30	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.036
87/05/04	1000	0.063	0.54	0.21	0.1	0.05	0.01	0.017
87/06/18	1230	0.02	1.3	0.081	0.1	0.05	0.01	0.036
87/07/13	930	0.02	0.59	0.19	0.12	0.05	0.01	0.05
87/10/20	900	0.02	0.05	0.05	0.1	0.05	0.01	1.3
88/01/20	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.14
88/03/22	1400	0.02	0.083	0.05	0.1	0.05	0.01	0.019
88/05/04	1330	0.02	0.05	0.05	0.1	0.05	0.01	0.013
88/06/27	1230	0.02	0.068	0.05	0.1	0.05	0.01	0.038
88/07/14	1000	0.02	1.6	0.05	0.1	0.05	0.01	0.071
88/10/06	1030	0.02	0.14	0.05	0.1	0.05	0.01	0.048
89/01/19	1300	0.18	0.12	0.05	0.1	0.05	0.01	0.042
89/03/28	1230	0.02	0.11	0.05	0.1	0.05	0.01	0.03

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

89/05/10	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.013
89/06/29	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.05
89/07/19	1300	0.02	3.1	0.05	0.1	0.05	0.01	0.1
89/09/07	1315	0.08	0.29	0.05	0.1	0.05	0.01	0.03
89/10/03	930	0.02	0.05	0.05	0.93	0.05	0.01	0.07
89/11/21	1045	0.02	0.07	0.05	0.1	0.05	0.02	0.01
90/01/17	1045	0.15	0.05	0.05	0.1	0.05	0.01	0.06
90/03/29	1115	0.02	0.25	0.05	0.1	0.05	0.01	0.01
90/05/16	1000	0.42	0.55	0.41	0.33	0.05	0.01	0.01
90/06/21	1100	1.4	2.7	1.7	2.7	0.2	0.01	0.01
90/08/21	1030	0.02	0.21	0.05	0.11	0.05	0.01	0.01
90/10/24	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/12/18	1300	0.02	0.05	0.05	0.23	0.05	0.01	0.03
91/01/22	1100	0.02	0.64	0.05	0.1	0.05	0.01	0.01
91/02/27	1300	0.05	0.05	0.05	0.1	0.05	0.01	0.01
91/04/02	1130	0.1	0.2	0.05	0.5	0.05	0.01	0.02
	MEDIAN	0.02	0.12	0.05	0.1	0.05	0.01	0.03
	NUMBER	36	36	36	36	36	36	30
	MEAN	0.110638	0.513915	0.153083	0.255277	0.0672216	0.0102778	0.0774994
	STD DEV	0.282048	0.765774	0.341953	0.470734	0.0566505	0.0016667	0.23282

GLA 02 05532000
4152 48.0 087 52 07.04
ADDISON CR WASHINGN B LVD BELLWOOD T39NR12ESE9
17031 ILLINOIS COOK
UPPER MISSISSIPPI RIVER 71300
DESPLAINES RIVER - SAL T CREEK
21ILL 800301 07120004011 0003.230 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
90/04/18	1045	0.02	0.05	0.05	0.1	0.05	0.02	0.02

GLA-BS-C6
4150 45.0 087 51 24.04
ADDISON CR 9. 4M DNS BEN SENVILLE STP T39NR12ENW27
17031 ILLINOIS COOK
UPPER MISSISSIPPI RIVER 71300
DESPLAINES RIVER-SALT CREEK
21ILL 900526 7120004

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
90/04/18	1130	0.02	0.06	0.05	0.1	0.05	0.01	0.01

07220000 I 84
3713 00.0 089 27 50.04
MISSISSIPPI R AT THEBES T15S R3W NW17
17003 ILLINOIS ALEXANDER
UPPER MISSISSIPPI RIVER 70000
MISSISSIPPI RIVER SOUTH
21ILL 810919 07140105036 0028.050 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
93/12/17	1215	0.02	0.05	0.05	0.1	0.05	0.01	0.07
94/06/23	915	0.02	0.55	0.11	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	NUMBER	2	2	2	2	2	2	2
	MEAN	0.02	0.3	0.08	0.1	0.05	0.01	0.04
	STD DEV	0	0.353553	0.0424265	0	0.000061	0	0.0424264

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

05600150 IX 04
3712 12.0 089 15 29.02
CACHE R .7 MI E SANDUSKY T15S R1W NE19
17003 ILLINOIS ALEXANDER
UPPER MISSISSIPPI RIVER
MISSISSIPPI RIVER SOUTH
21ILL 790616 HQ 07140108002 0007.980 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
95/03/20	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/05/11	1100	0.53	7.1	0.32	1.7	0.47	0.01	0.01
95/10/30	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
96/04/17	900	0.02	0.24	0.05	0.1	0.05	0.01	0.01
96/05/16	1100	0.1	6.1	0.21	1.7	0.48	0.01	0.02
96/06/12	1100	0.11	3.7	0.05	1.6	0.05	0.22	0.01
	MEDIAN	0.02	0.24	0.05	0.1	0.05	0.01	0.01
	NUMBER	6	6	6	6	6	6	6
	MEAN	0.133333	2.87333	0.121667	0.883333	0.191666	0.045	0.0116667
	STD DEV	0.198763	3.21983	0.116347	0.858875	0.219492	0.0857321	0.0040825

05587555 J 05
3857 07.0 090 22 12.04
MISSISSIPPI R NEAR ELSAH RM 214.6 T6N R11W NW19
17083 ILLINOIS JERSEY
UPPER MISSISSIPPI RIVER 72200
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 890520 7110009

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
93/12/16	1430	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/01/06	925	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/01/25	1330	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/02/15	1700	0.14	0.05	0.05	0.1	0.05	0.01	0.01
94/03/08	1330	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/29	1510	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/04/19	1445	0.24	1.5	1.9	0.75	0.05	0.01	0.01
94/05/12	1440	0.12	0.42	1.8	0.39	0.05	0.01	0.01
94/06/02	1356	0.02	0.82	0.62	0.2	0.05	0.01	0.01
94/06/22	1300	0.02	2.4	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	NUMBER	10	10	10	10	10	10	10
	MEAN	0.064	0.544	0.467	0.204	0.05	0.01	0.01
	STD DEV	0.0770568	0.810654	0.75063	0.213031	0.0000538	0.0000072	0.0000072

J 21
3840 36.0 090 11 22.04
MISSISSIPPI R RM 183.6 MO SIDE USCG T3NR10WSW26
17119 ILLINOIS MADISON
UPPER MISSISSIPPI RIVER 71800
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 880827 7140101

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
88/07/28	930	0.031	0.48	0.05	0.15	0.05	0.01	0.01

J 22
3840 37.0 090 11 14.04
MISSISSIPPI R RM 183.6 CENTER USCG T3NR10WSW26
17119 ILLINOIS MADISON
UPPER MISSISSIPPI RIVER 71800
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 880827 7140101

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
88/07/28	945	0.026	0.39	0.05	0.11	0.05	0.01	0.01

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

J 23
3840 39.0 090 11 07.04
MISSISSIPPI R RM 183.6 IL SIDE USCG T3NR10WSW26
17119 ILLINOIS MADISON
UPPER MISSISSIPPI RIVER 71800
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 880827 7140101

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
88/07/28	1015	0.03	0.32	0.05	0.11	0.05	0.01	0.01

J 27
3835 06.0 09 0 12 40.0 4
MISSISSIPPI RRM 176.5MO SIDE COE T2NR10WNE33
17163 ILLIN OIS ST CLAIR
UPPER MISSISSIPPI RIVER 71800
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 880 827 7140101

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
88/07/28	1120	0.14	0.63	0.05	0.18	0.05	0.01	0.02

J 28
3835 02.0 090 12 36.04
MISSISSIPPI R RM 176.5 CENTER COE T2NR10WNE33
17163 ILLINOIS ST CLAIR
UPPER MISSISSIPPI RIVER 71800
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 880827 7140101

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
88/07/28	1145	0.029	0.3	0.05	0.1	0.05	0.01	0.01

J 29
3834 58.0 090 12 32.04
MISSISSIPPI R RM 176.5 IL SIDE COE T2NR10WNE33
17163 ILLINOIS ST CLAIR
UPPER MISSISSIPPI RIVER 71800
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 880827 7140101

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
88/07/28	1200	0.025	0.28	0.062	0.17	0.05	0.01	0.031

J 33
3829 09.0 090 16 42.04
MISSISSIPPI R RM168.5 M O SD JEF BK BR T43NR7ESW6
17133 ILLINOIS MONROE
UPPER MISSISSIPPI RIVER 71800
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 880827 7140101

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
88/07/28	1250	0.11	0.5	0.055	0.18	0.05	0.01	0.035

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

J 34
3829 06.0 090 16 32.04
MISSISSIPPI R RM168.5 C ENTER JEF BK BR 1SR11WNW1
17133 ILLINOIS MONROE
UPPER MISSISSIPPI RIVER 71800
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 880827 7140101

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
88/07/28	1310	0.045	0.37	0.077	0.21	0.05	0.01	0.011

J 35
3829 03.0 090 16 22.04
MISSISSIPPI R RM168.5 I L SD JEF BK BR T1SR11WNW1
17133 ILLINOIS MONROE
UPPER MISSISSIPPI RIVER 71800
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 880827 7140101

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
88/07/28	1325	0.02	0.34	0.065	0.15	0.05	0.01	0.067

5587550 J 83
3851 41.0 090 08 15.04
MISSISSIPPI R BELOW ALT ON L&D 26 T5N R10W NE14
17119 ILLINOIS MADISON
UPPER MISSISSIPPI RIVER 71800
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 810919 07110009003 0000.820 ON

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
87/09/16	1000	0.092	0.62	0.05	0.17	0.05	0.01	0.025

05589700 JMAC02
3835 42.0 090 05 18.02
HARDING DITCH LAKE DR F HOLTEN ST PK T2NR9WNW27
17163 ILLINOIS ST CLAIR
UPPER MISSISSIPPI RIVER
MISS S CENTRA L - CAHOKI A CHUTE - CANAL I
21ILL 790616 HQ 07140101

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
98/04/13	900	0.02	0.1	0.1	0.1	0.05	0.01	0.1
98/05/26	900	0.02	1.6	1.3	1.2	0.05	0.01	
98/06/22	900	0.02	0.79	0.14	0.56	0.05	0.01	0.1
	MEDIAN	0.02	0.79	0.14	0.56	0.05	0.01	0.1
	NUMBER	3	3	3	3	3	3	2
	MEAN	0.02	0.83	0.513333	0.62	0.05	0.01	0.1
	STD DEV	0	0.750799	0.681567	0.552449	0.0000748	0	0

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

48458 JN 02 05589490
3840 02.0 090 03 54.02
CAHOKIA CAN S AND PR LN SE HORSESHOE L T3NR9WNW35
17119 ILLINOIS MADISON
UPPER MISSISSIPPI RIVER 71892
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 07140101007 0006.540 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/04/13	1200	0.02	0.1	0.1	0.1	0.05	0.01	0.1
98/05/26	1200	0.65	2.6	0.6	1.8	0.05	0.02	
98/06/22	1200	0.07	0.62	0.36	0.52	0.05	0.01	0.1
	MEDIAN	0.07	0.62	0.36	0.52	0.05	0.01	0.1
	NUMBER	3	3	3	3	3	3	2
	MEAN	0.246667	1.10667	0.353333	0.806666	0.05	0.0133333	0.1
	STD DEV	0.35019	1.31914	0.250067	0.885513	0.0000748	0.0057735	0

05587900 JQ 05
3849 28.0 089 58 29.02
CAHOKIA CR RT 143 NW EDWARDSVILLE T4N R8W SE3
17119 ILLINOIS MADISON
UPPER MISSISSIPPI RIVER
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 790616 07140101008 0003.370 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/04/14	800	0.02	0.1	0.1	0.1	0.05	0.01	0.1
98/05/27	800	0.34	15	1.8	5.1	0.05	0.01	
98/06/23	800	0.05	3.2	0.36	1.4	0.05	0.01	0.1
	MEDIAN	0.05	3.2	0.36	1.4	0.05	0.01	0.1
	NUMBER	3	3	3	3	3	3	2
	MEAN	0.136667	6.1	0.753333	2.2	0.05	0.01	0.1
	STD DEV	0.176729	7.86194	0.915714	2.59422	0.0000748	0	0

48465 JR 02 05587700
3853 03.0 090 02 00.02
WOOD RIVER RT 3 AT MILTON EAST ALN T5NR9WSE17
17119 ILLINOIS MADISON
UPPER MISSISSIPPI RIVER 71891
MISSISSIPPI RIVER SOUTH CENTRAL
21ILL 7140101

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/04/13	1400	0.02	0.1	0.1	0.1	0.05	0.01	0.1
98/05/26	1400	0.02	13	2.3	5	0.06	0.01	
98/06/22	1400	0.02	3	0.4	1.6	0.05	0.01	0.1
	MEDIAN	0.02	3	0.4	1.6	0.05	0.01	0.1
	NUMBER	3	3	3	3	3	3	2
	MEAN	0.02	5.36666	0.933333	2.23333	0.0533333	0.01	0.1
	STD DEV	0	6.76782	1.19303	2.51064	0.005774	0	0

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

48468 K 04 05474500
4023 25.0 091 22 15.02
MISSISSIPPI R RT 136 KEOKUK T5N R9W SW30
17067 ILLINOIS HANCOCK
UPPER MISSISSIPPI RIVER 71192
MISSISSIPPI RIVER NORTH CENTRAL
21ILL HQ 07080104001 0003.420 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
93/12/14	1217	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/01/04	1350	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/01/24	1332	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/02/14	1515	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/07	1420	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/28	1355	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/04/18	1515	0.06	0.05	0.11	0.1	0.05	0.01	0.01
94/05/11	1435	0.1	0.93	0.05	0.1	0.05	0.01	0.01
94/06/01	1315	0.02	0.36	0.17	0.1	0.05	0.01	0.01
94/06/21	1430	0.02	2	0.05	0.1	0.05	0.01	0.01
MEDIAN		0.02	0.05	0.05	0.1	0.05	0.01	0.01
NUMBER		10	10	10	10	10	10	10
MEAN		0.032	0.364	0.068	0.1	0.05	0.01	0.01
STD DEV		0.0269979	0.640056	0.0404969	0	0.0000538	0.0000072	0.0000072

48472 KCA 01 05513000
3926 35.0 090 47 45.02
BAY CR AT NEBO T7S R3W SW18
17149 ILLINOIS PIKE
UPPER MISSISS IPPI RIVER 71291
MISSISSIPPI RIVER NORTH CENTRAL - SNY R
21ILL HQ 07110004004 0017.550 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/11/05	1100	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/16	1130	0.02	0.23	0.05	0.1	0.05	0.01	
86/04/01	1200	0.071	0.1	0.05	0.1	0.05	0.01	0.017
86/05/15	1200	0.13	3.8	3.2	0.34	0.05	0.01	0.01
86/06/24	1200	0.44	6.3	5.7	0.34	0.05	0.01	0.01
86/07/21	1200	0.0729999	0.89	0.47	0.32	0.05	0.01	
86/10/29	1200	0.1	0.31	0.05	0.12	0.05	0.01	
87/01/22	1200	0.056	1.1	0.094	0.1	0.05	0.01	
87/04/01	1230	0.059	0.42	0.14	0.1	0.05	0.01	0.01
87/05/04	1200	0.17	0.66	0.38	0.28	0.05	0.01	0.01
87/06/24	1145	2	8.8	6.5	1.7	0.25	0.01	0.015
87/08/10	1200	0.02	3.2	1.6	0.1	0.05	0.01	0.01
87/09/08	1200	0.02	1.3	0.15	0.11	0.05	0.01	0.01
87/10/27	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/14	1200	0.047	0.2	0.13	0.1	0.05	0.01	0.01
88/04/06	1200	0.088	0.26	0.11	0.1	0.05	0.01	0.012
88/05/11	1100	18	39	38	17	0.11	0.01	0.023
88/06/16	1100	2.3	14	7.4	7.6	0.39	0.01	0.01
88/07/19	1200	0.02	2.3	1.4	0.39	0.05	0.01	0.01
88/09/27	1130	0.02	0.24	0.05	0.1	0.05	0.01	0.01
88/11/01	1200	0.11	0.64	0.34	0.17	0.05	0.01	0.024
89/01/24	1000	0.23	0.4	0.13	0.16	0.05	0.03	0.014
89/04/03	1200	0.03	3.3	8.2	0.25	0.05	0.01	0.021
89/05/11	1200	0.04	1.6	0.33	0.33	0.05	0.01	0.01
89/06/27	1200	4.3	12.2	5.5	6.6	0.05	0.11	0.05
89/08/17	1145	0.02	0.67	0.77	0.16	0.05	0.01	0.01
89/09/26	1300	0.15	0.65	0.3	0.33	0.05	0.01	0.01
89/11/07	1230	0.02	0.14	0.13	0.18	0.05	0.01	0.01
90/01/17	1200	0.02	0.26	0.19	0.1	0.05	0.01	0.01
90/03/26	1200	0.09	0.23	0.13	0.1	0.05	0.01	0.01
90/05/09	1215	0.29	2.9	3.7	0.42	0.05	0.01	0.01
90/06/11	1215	2	11	14	1.7	0.12	0.01	0.01
90/07/16	1215	1.3	6.5	3.4	0.52	0.05	0.01	0.01
90/09/05	1130	0.02	1.2	0.05	0.1	0.05	0.01	0.01
90/10/15	1245	0.23	0.78	0.48	0.15	0.05	0.01	0.01
90/12/27	1130	0.2	0.05	0.51	0.14	0.05	0.01	0.01
91/03/28	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

91/05/21	930	1.7	12	11	2.6	0.4	0.04	0.01
91/11/12	930	0.57	1.1	1.3	0.37	0.05	0.2	0.01
92/03/19	945	0.14	0.05	3.5	0.14	0.05	0.01	0.01
92/05/27	930	0.02	1.2	6	0.1	0.05	0.01	0.01
92/10/08	1100	0.02	12	8.2	2.8	0.05	0.01	0.01
93/03/17	1115	0.02	0.13	0.13	0.11	0.05	0.01	0.01
93/06/02	1200	0.26	1.7	1.6	0.1	0.05	0.01	0.01
93/11/04	845	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/14	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/06/22	815	0.02	7.8	0.05	7.8	0.05	0.01	0.01
94/10/12	930	0.07	0.05	2.1	0.22	0.05	0.01	0.01
95/03/22	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/10/26	745	0.02	0.1	0.06	0.1	0.05	0.01	0.01
96/03/21	800	0.02	0.35	0.07	0.1	0.15	0.01	0.01
96/06/10	900	0.21	5.1	1	1.5	0.49	0.01	0.02
96/07/24	900	0.07	2.4	0.8	0.78	0.18	0.01	0.06
97/03/24	900	0.02	0.19	0.05	0.1	0.05	0.01	0.01
97/07/10	900	0.02	1.4	0.4	0.57	0.05	0.01	0.01
97/08/27	900	0.02	0.98	0.05	0.1	0.05	0.01	0.05
98/03/30	900	0.02	0.1	0.1	0.1	0.05	0.01	0.1
98/05/07	900	0.9	5.8	0.1	1.4	0.09	0.01	0.1
98/06/10	900	0.28	5.3	0.97	3.4	0.13	0.01	0.1
	MEDIAN	0.059	0.78	0.33	0.15	0.05	0.01	0.01
	NUMBER	59	59	59	59	59	59	54
	MEAN	0.63057	3.11321	2.39684	1.07457	0.0806773	0.0157627	0.0186296
	STD DEV	2.41693	5.99639	5.59857	2.6975	0.0890154	0.0279903	0.0224275

05495500 KI 02
4008 34.0 091 20 14.02
BEAR CR 2.2 M I NE MARCE LLINE T2N R8W SW21
17001 ILLINOIS ADAMS
UPPER MISSISSIPPI RIVER
MISSISSIPPI R IVER NORTH CENTRAL
21ILL 790616 HQ 07110001005 0011.720 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/30	1030	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/30	1030	0.028	0.05	0.05	0.1	0.05	0.01	
86/04/08	1000	0.02	1.1	0.85	0.1	0.05	0.01	0.01
86/06/03	1030	0.68	9.8	6.2	0.46	0.33	0.01	0.01
86/07/02	1000	2.7	2.1	0.05	0.11	1.1	0.026	0.01
86/08/20	1000	0.02	0.73	0.05	0.2	0.05	0.01	
86/11/06	1030	0.035	0.05	0.05	0.1	0.05	0.01	0.01
87/01/28	1000	0.027	0.25	0.099	0.1	0.05	0.01	
87/04/08	1030	0.035	0.18	0.05	0.1	0.05	0.01	0.01
87/05/07	1030	0.076	0.48	0.43	0.26	0.05	0.01	0.01
87/06/29	1030	0.47	5.2	1.7	0.66	0.13	0.01	0.01
87/08/12	1030	0.02	1.2	0.38	0.26	0.05	0.01	0.01
87/09/10	1000	0.02	0.8	0.056	0.1	0.05	0.01	0.01
87/11/05	1030	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/20	1100	0.18	0.93	0.26	0.19	0.05	0.01	0.022
88/04/07	1000	0.14	1.1	0.23	0.31	0.05	0.01	0.014
88/05/12	1030	1.8	19	31	4.1	0.088	0.01	0.012
88/06/20	1015	0.078	4.1	4	0.85	0.12	0.01	0.01
88/07/20	1030	0.02	1.2	0.72	0.1	0.05	0.01	0.01
88/09/26	1030	0.02	0.05	0.05	0.1	0.05	0.01	
88/11/02	1030	0.02	0.15	0.05	0.1	0.05	0.01	0.01
89/01/25	1100	0.02	0.06	0.05	0.1	0.05	0.01	0.01
89/04/04	1015	0.024	4.4	0.05	2.8	0.05	0.01	0.024
89/05/12	1215	0.53	4.8	2.3	1.7	0.05	0.01	0.01
89/06/28	1030	1.9	9.9	2.2	4.2	0.05	0.06	0.01
89/08/15	1300	0.02	2.3	0.67	0.2	0.05	0.01	0.01
89/09/28	1130	0.02	0.27	0.13	0.21	0.05	0.01	0.01
89/11/08	1000	0.02	0.46	0.05	0.1	0.05	0.01	0.01
90/01/22	1030	0.02	0.18	0.06	0.1	0.05	0.01	0.01
90/03/28	1100	0.02	0.32	0.06	0.11	0.05	0.01	0.01
90/05/14	1030	1.3	12	6	3.3	0.09	0.01	0.01
90/06/18	1030	1.7	5.9	1.7	1.7	0.22	0.06	0.01
90/07/20	1200	0.87	0.79	0.62	1.7	0.05	0.01	0.01
90/09/26	1030	0.02	0.05	0.33	0.1	0.05	0.01	0.01
90/11/07	1100	0.49	0.72	0.44	2.3	0.19	0.01	0.01
91/01/17	1030	0.03	0.3	0.05	0.11	0.05	0.01	0.01
91/04/15	1200	0.77	35	37	9.5	0.05	0.01	0.01
91/05/20	1030	2.6	18	10	3.9	0.46	0.04	0.01

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

91/11/07	1045	0.16	0.05	0.28	0.1	0.05	0.01	0.01
92/03/16	1200	0.02	0.33	0.1	0.3	0.05	0.01	0.01
92/05/26	1030	0.02	16	28	1.3	0.05	0.01	0.01
92/10/27	930	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/18	1145	0.06	0.05	0.07	0.1	0.05	0.01	0.01
93/05/27	1230	0.09	11	21	0.21	0.19	0.01	0.01
93/11/15	1045	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/04/05	1000	0.02	0.05	0.1	0.1	0.05	0.01	0.01
94/06/21	1015	0.02	0.05	11	0.1	0.05	0.01	0.01
94/10/31	1245	0.02	0.05	0.4	0.1	0.05	0.01	0.01
95/04/06	1030	0.02	0.25	0.05	0.1	0.05	0.01	0.01
95/07/19	915	0.22	9.1	3.7	1.2	0.73	0.01	0.01
95/11/15	1200	0.02	0.86	0.48	0.1	0.05	0.01	0.021
96/03/13	1130	0.02	0.2	0.05	0.1	0.08	0.01	0.01
96/05/16	1145	0.02	6.4	4.2	1.2	1.1	0.01	0.01
96/06/27	1145	0.21	12	14	1.6	0.5	0.01	
97/03/20	1130	0.02	0.12	0.08	0.1	0.05	0.01	0.01
97/06/26	915	0.02	3.7	3.4	0.68	0.05	0.01	0.01
97/08/13	945	0.02	1.1	0.82	0.1	0.05	0.01	0.01
98/04/14	945	0.02	0.11	0.11	0.1	0.05	0.01	0.1
98/05/19	845	0.02	1.5	0.78	0.39	0.05	0.01	0.1
98/06/30	915	0.02	1.5	0.58	0.49	0.05	0.01	0.1
	MEDIAN	0.02	0.73	0.28	0.11	0.05	0.01	0.01
	NUMBER	60	60	60	60	60	60	54
	MEAN	0.297712	3.47566	3.28974	0.821662	0.127133	0.0124333	0.0157963
	STD DEV	0.623389	6.28222	7.67664	1.55295	0.219505	0.0099155	0.0208167

48476 LD 02 05469000
4100 05.0 090 51 15.02
HENDERSON CR RT 94 1 MI S BALD BLUFF T12NR4WNW28
17071 ILLINOIS HENDERSON
UPPER MISSISSIPPI RIVER 71091
MISSISSIPPI RIVER NORTH CENTRAL
21ILL HQ 07080104018 0013.650 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/30	1300	0.02	0.05	0.05	0.1	0.05	0.01	
86/02/25	1200	0.025	0.31	0.05	0.11	0.05	0.01	
86/04/08	1400	0.02	0.3	0.05	0.1	0.05	0.01	0.01
86/05/19	1200	1.2	3.5	2.2	1.2	0.25	0.01	0.026
86/06/25	1300	0.064	0.63	0.05	0.15	0.05	0.01	0.01
86/07/22	1330	0.02	0.44	0.13	0.1	0.05	0.021	
86/10/06	1200	0.034	0.6	0.05	0.18	0.05	0.01	
87/01/05	1430	0.02	0.05	0.05	0.1	0.05	0.01	
87/03/24	1445	0.02	0.25	0.05	0.1	0.05	0.01	0.01
87/04/21	1430	0.02	1.3	0.079	0.1	0.05	0.01	0.01
87/06/08	1400	0.025	0.9	0.16	0.32	0.05	0.01	0.01
87/07/13	1500	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/08/24	1545	0.044	1.1	0.094	0.49	0.05	0.52	0.035
87/10/28	1345	0.02	0.13	0.05	0.1	0.05	0.01	0.01
88/02/09	1430	0.02	0.2	0.05	0.1	0.05	0.01	0.01
88/03/21	1500	0.02	0.45	0.12	0.1	0.05	0.01	0.01
88/04/20	1615	0.032	0.071	0.05	0.1	0.05	0.01	0.01
88/06/06	1430	0.32	1.8	1.7	0.93	0.05	0.01	0.015
88/07/11	1400	0.02	0.05	0.05	0.26	0.05	0.013	0.01
88/09/21	1415	0.02	0.13	0.05	0.11	0.05	0.01	0.01
88/10/24	1415	0.02	0.16	0.05	0.1	0.05	0.01	0.01
89/01/03	1415	0.02	0.05	0.05	0.1	0.05	0.03	0.046
89/03/21	1530	0.02	0.16	0.05	0.1	0.05	0.01	0.01
89/04/25	1430	0.37	0.98	0.05	1.2	0.05	0.01	0.01
89/06/20	1315	0.24	2.3	0.05	0.72	0.05	0.01	0.01
89/08/02	1500	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/09/21	1630	0.02	0.05	0.05	0.34	0.05	0.01	0.01
89/11/02	1530	0.02	0.1	0.05	0.1	0.05	0.01	0.01
89/11/30	1515	0.02	0.13	0.05	0.1	0.05	0.01	0.03
90/03/20	1515	0.03	0.12	0.05	0.1	0.05	0.01	0.01
90/05/01	1545	0.12	0.14	0.05	0.18	0.05	0.01	0.01
90/06/04	1515	0.08	0.09	0.11	0.12	0.05	0.01	0.01
90/07/24	1530	0.05	0.47	0.1	0.27	0.05	0.01	0.01
90/09/12	1545	0.02	0.57	0.05	0.1	0.05	0.01	0.01
90/10/17	1230	0.02	0.05	0.16	0.12	0.05	0.01	0.01
91/04/02	1600	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/05/15	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/11/05	1230	0.22	0.72	0.7	0.1	0.05	0.01	0.05

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

92/05/13	1215	0.04	0.05	0.55	0.2	0.05	0.01	0.01
92/11/09	1145	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/29	1200	0.03	0.12	0.05	0.1	0.05	0.01	0.01
93/11/09	1145	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/23	1145	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/07/05	1030	0.02	0.35	0.1	0.22	0.05	0.01	0.01
94/10/24	1200	0.02	0.05	0.05	0.1	0.05	0.02	0.01
96/03/13	1130	0.02	0.19	0.05	0.1	0.19	0.01	0.01
96/05/13	1215	0.04	2.8	2.7	1.7	0.64	0.01	0.01
96/06/17	1245	0.02	1.1	0.38	0.21	0.05	0.01	0.01
98/04/01	1145	0.02	0.1	0.1	0.59	0.05	0.01	0.1
98/05/12	1130	0.02	0.33	0.41	0.55	0.05	0.01	0.1
98/07/13	1200	0.02	0.25	0.1	0.1	0.05	0.01	0.1
	MEDIAN	0.02	0.16	0.05	0.1	0.05	0.01	0.01
	NUMBER	51	51	51	51	51	51	46
	MEAN	0.0710583	0.471387	0.226333	0.256274	0.0682347	0.0208626	0.0189565
	STD DEV	0.177692	0.724213	0.524301	0.335135	0.0884019	0.0713737	0.0234814

48268 LF 01 05466500
4111 13.5 090 58 07.54
EDWARDS R RT 17 1 MI NE NEW BOSN T14N R5W NW28
17131 ILLINOIS MERCER
UPPER MISSISSIPPI RIVER 71192
MISSISSIPPI RIVER NORTH CENTRAL
21ILL HQ 07080104034 0004.790 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
86/01/28	1300	0.034	0.11	0.05	0.1	0.05	0.01	
86/04/08	1230	0.02	0.17	0.05	0.1	0.05	0.01	0.01
86/05/19	1400	5.6	5.3	2.2	1.7	0.64	0.01	0.015
86/06/25	1400	0.09	0.53	0.05	0.15	0.05	0.01	0.01
86/07/22	1230	0.074	0.53	0.05	0.2	0.05	0.01	
86/10/06	1400	0.082	0.95	0.05	0.16	0.05	0.01	
87/01/05	1230	0.02	0.05	0.05	0.1	0.05	0.01	
87/03/24	1245	0.02	0.13	0.057	0.1	0.05	0.01	0.01
87/04/21	1230	0.02	0.95	0.15	0.1	0.05	0.01	0.01
87/06/08	1230	0.14	1	0.2	0.33	0.05	0.01	0.01
87/07/13	1330	0.063	0.76	0.25	0.14	0.05	0.01	0.01
87/08/24	1400	0.37	2	0.2	0.59	0.05	0.01	0.01
87/10/28	1230	0.02	0.14	0.05	0.1	0.05	0.01	0.01
88/01/12	1300	0.03	0.14	0.05	0.1	0.05	0.01	0.01
88/03/21	1330	0.02	0.072	0.05	0.1	0.05	0.01	0.01
88/04/20	1430	0.021	0.05	0.05	0.1	0.05	0.01	0.01
88/06/06	1300	0.053	0.074	0.055	0.1	0.05	0.01	0.01
88/07/11	1300	0.02	0.24	0.23	0.1	0.05	0.01	0.01
88/09/21	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/10/24	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/01/03	1300	0.02	0.33	0.05	0.1	0.05	0.01	0.01
89/03/21	1400	0.02	0.14	0.05	0.1	0.05	0.01	
89/04/25	1300	0.28	1	0.38	0.29	0.05	0.01	0.01
89/06/20	1400	0.46	3.8	0.05	1.6	0.05	0.01	0.01
89/08/02	1330	0.03	0.05	0.43	0.1	0.05	0.01	0.01
89/09/21	1430	0.03	0.09	0.05	0.16	0.05	0.01	0.01
89/11/02	1400	0.02	0.11	0.05	0.1	0.05	0.03	0.01
89/11/30	1345	0.02	0.08	0.05	0.1	0.05	0.01	0.01
90/03/20	1315	0.04	0.11	0.05	0.1	0.05	0.01	0.01
90/05/01	1345	0.18	0.25	0.07	0.36	0.05	0.01	0.01
90/06/04	1330	0.15	0.18	0.16	0.19	0.05	0.01	0.01
90/07/24	1400	0.08	0.68	0.19	0.28	0.05	0.01	0.01
90/09/12	1400	0.02	0.06	0.05	0.1	0.05	0.01	0.01
90/10/17	1100	0.28	0.05	0.8	0.92	0.05	0.01	0.01
91/01/08	1400	0.02	0.12	0.05	0.1	0.05	0.01	0.01
91/04/02	1500	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/05/16	1400	0.19	0.1	0.17	0.1	0.05	0.01	0.01
91/11/05	1400	0.37	0.42	1.3	0.46	0.05	0.01	0.022
92/05/13	1345	0.068	0.9	0.43	0.13	0.05	0.01	0.01
92/11/09	1330	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/29	1430	0.04	0.74	0.96	0.1	0.05	0.01	0.03
93/06/21	1400	0.85	4.2	3	1.2	0.05	0.01	0.01
93/11/09	1400	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/23	1330	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/07/05	1200	0.02	0.69	0.12	0.17	0.05	0.01	0.01
94/10/24	1315	0.02	0.05	0.05	0.1	0.05	0.01	0.01
96/03/13	1400	0.02	0.09	0.06	0.1	0.05	0.01	0.01

96/05/13	1500	0.12	5.2	7.7	2.2	0.7	0.01	0.01
96/06/17	1500	0.05	7.6	10	3.8	0.78	0.01	0.01
98/04/01	1400	0.02	0.1	0.1	0.16	0.05	0.01	
98/05/12	1400	0.02	0.45	0.56	0.28	0.05	0.01	0.1
98/07/13	1400	0.02	0.2	0.1	0.1	0.05	0.01	0.1
	MEDIAN	0.021	0.14	0.05	0.1	0.05	0.01	0.01
	NUMBER	52	52	52	52	52	52	46
	MEAN	0.197596	0.793957	0.59946	0.355191	0.0878839	0.0103846	0.0147174
	STD DEV	0.778097	1.56149	1.76538	0.657325	0.155227	0.0027734	0.0187055

46380 M 04 05420500
4152 10.0 090 10 10.03
MISSISSIPPI R RT 136 FULTON T22N R3E NE29
17195 ILLINOIS WHITESIDE
UPPER MISSISSIPPI RIVER 70891
MISSISSIPPI NORTH
21ILL 07080101013 0003.530 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
87/06/04	1330	0.36	0.89	0.4	0.25	0.05	0.01	0.01
93/12/13	1430	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/28	830	0.02	0.05	0.05	0.1	0.05	0.01	0.02
94/06/21	900	0.02	0.95	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	NUMBER	4	4	4	4	4	4	4
	MEAN	0.105	0.485	0.1375	0.1375	0.05	0.01	0.0125
	STD DEV	0.17	0.502892	0.175	0.0750001	0.0000498	0	0.005

48480 MJ 01 05420100
4205 54.0 090 07 35.02
PLUM R RT 52 E SAVANNA T24N R3E SW2
17015 ILLINOIS CARROLL
UPPER MISSISSIPPI RIVER 70891
MISSISSIPPI RIVER NORTH
21ILL HQ 07060005002 0007.530 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/15	1700	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/07	1230	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/07	1300	0.02	0.26	0.05	0.1	0.05	0.01	0.01
86/05/28	1700	1.6	3.9	1.9	1.5	0.092	0.01	
86/06/10	1100	0.077	0.36	0.05	0.11	0.05	0.01	
86/07/23	1400	0.02	0.28	0.05	0.1	0.05	0.01	
86/10/08	830	0.02	0.4	0.05	0.1	0.05	0.01	
87/01/08	1300	0.02	0.05	0.05	0.1	0.05	0.01	
87/04/14	1330	0.02	0.41	0.056	0.1	0.05	0.01	0.01
87/05/19	1230	5.6	24	28	9	0.05	0.01	0.061
87/06/30	1130	0.02	0.54	0.075	0.17	0.05	0.01	0.01
87/08/04	1200	0.02	0.36	0.05	0.1	0.05	0.01	0.01
87/10/06	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/19	1130	0.024	0.21	0.05	0.1	0.05	0.01	0.021
88/03/29	1230	0.02	0.15	0.05	0.1	0.05	0.01	0.02
88/05/25	900	0.044	0.24	0.078	0.1	0.05	0.01	0.01
88/06/21	1300	0.02	0.16	0.05	0.1	0.05	0.01	0.01
88/09/13	1130	0.02	3.9	0.05	0.1	0.05	0.01	0.01
88/10/12	1130	0.02	0.24	0.05	0.1	0.05	0.01	0.01
89/01/24	1500	0.02	0.36	0.01	0.11	0.05	0.04	0.01
89/03/29	930	0.02	0.29	0.13	0.1	0.05	0.01	0.0959999
89/05/18	1300	0.08	0.87	0.05	0.11	0.05	0.01	0.01
89/06/19	1210	0.02	0.4	0.11	0.1	0.05	0.01	0.01
89/08/08	1230	0.07	2.1	0.37	0.31	0.05	0.01	0.01
89/10/17	1240	0.02	0.1	0.05	0.1	0.05	0.01	0.01
89/12/06	1245	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/01/10	1305	0.02	0.07	0.09	0.1	0.05	0.01	0.02
90/04/04	1000	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/05/08	1015	0.06	0.51	0.16	0.3	0.05	0.01	0.01
90/06/25	1630	0.06	1.5	0.45	0.54	0.05	0.01	0.01
90/08/08	1505	0.03	0.86	0.14	0.33	0.05	0.01	0.01

90/10/24	1200	0.02	0.31	0.05	0.1	0.05	0.01	0.01
91/02/06	930	0.02	0.05	0.09	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.29	0.05	0.1	0.05	0.01	0.01
	NUMBER	33	33	33	33	33	33	26
	MEAN	0.245606	1.30696	0.988144	0.447878	0.0512724	0.0109091	0.0164615
	STD DEV	0.999472	4.18404	4.86016	1.55636	0.0073135	0.0052223	0.0192171

MJB 01
4205 40.0 089 56 54.04
CARROLL CR RT 52/64 1\M I E MT CARROLL T24NR5ENE8
17015 ILLINOIS CARROLL
UPPER MISSISSIPPI RIVER 70800
MISSISSIPPI R NORTH - PLUM RIVER
21ILL 870214 7060005

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
87/05/19	1400	11	29	16	27	0.05	0.01	0.01
87/06/30	1400	0.02	4.8	0.55	3	0.05	0.01	0.01
	MEDIAN	0.02	4.8	0.55	3	0.05	0.01	0.01
	NUMBER	2	2	2	2	2	2	2
	MEAN	5.51	16.9	8.27499	15	0.05	0.01	0.01
	STD DEV	7.76403	17.112	10.9248	16.9706	0.000061	0	0

MJB 02
4206 28.0 090 03 23.04
CARROLL CR PALISADE RD 3.5M W MT CAROL 24NR4ENE5
17015 ILLINOIS CARROLL
UPPER MISSISSIPPI RIVER 70800
MISSISSIPPI R NORTH - PLUM RIVER
21ILL 870214 7060005

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
87/08/04	1100	0.02	0.2	0.05	0.1	0.05	0.01	0.068
87/10/06	1130	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/12	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.02	0.1	0.05	0.1	0.05	0.01	0.0293333
	STD DEV	0	0.0866025	0.0000748	0	0.0000748	0	0.0334863

48482 MN 03 05418950
4219 08.0 090 15 15.02
APPLE R RT 20 2 MI W ELIZABETH T27N R2E SW23
17085 ILLINOIS JO DAVIESS
UPPER MISSISSIPPI RIVER 70891
MISSISSIPPI R IVER NORTH
21ILL HQ 07060005012 0017.550 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/15	1730	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/07	930	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/07	1630	0.02	0.3	0.05	0.1	0.05	0.01	0.01
86/05/29	945	0.46	1.9	0.3	0.56	0.059	0.01	
86/06/10	1530	0.03	0.12	0.05	0.1	0.05	0.01	
86/07/23	1000	0.02	0.22	0.05	0.1	0.05	0.01	
86/10/08	1115	0.021	0.6	0.05	0.1	0.05	0.01	
87/01/08	930	0.02	0.05	0.05	0.1	0.05	0.01	
87/04/14	1030	0.02	0.72	0.05	0.1	0.05	0.01	0.019
87/05/19	930	0.53	0.72	0.14	0.59	0.05	0.01	0.01
87/06/30	830	0.02	0.42	0.05	0.1	0.05	0.01	0.01
87/08/04	1430	0.02	0.22	0.05	0.1	0.05	0.01	0.01
87/10/06	1600	0.02	0.05	0.05	0.1	0.05	0.01	0.01

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

88/01/12	830	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/03/29	830	0.02	0.062	0.05	0.1	0.05	0.01	0.011
88/05/25	1130	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/06/21	1000	0.02	0.059	0.05	0.1	0.05	0.01	0.01
88/09/13	830	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/10/12	830	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/01/24	1200	0.06	0.78	0.2	0.37	0.05	0.02	0.022
89/03/29	1230	0.03	0.24	0.1	0.1	0.05	0.01	0.01
89/05/18	930	0.1	0.05	0.17	0.1	0.05	0.01	0.01
89/06/19	1435	0.03	0.24	0.11	0.1	0.05	0.01	0.01
89/08/08	940	0.02	0.37	0.11	0.1	0.05	0.01	0.01
89/10/17	915	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/12/06	930	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/01/10	945	0.02	0.51	0.17	0.7	0.05	0.01	0.08
90/04/04	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/05/08	1300	0.03	0.19	0.1	0.1	0.05	0.01	0.01
90/06/25	1335	0.24	2.7	1.2	0.6	0.05	0.01	0.01
90/08/08	1048	0.03	0.35	0.13	0.1	0.05	0.01	0.01
90/10/24	1500	0.05	0.05	0.05	0.1	0.05	0.01	0.01
91/01/15	1120	0.02	0.81	0.05	0.1	0.05	0.01	0.01
91/04/03	1500	0.1	0.26	0.05	0.5	0.05	0.01	0.01
91/05/13	1530	0.08	1.2	0.25	3	0.05	0.01	0.01
91/10/17	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/23	1400	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/05/18	1500	0.03	0.05	0.08	0.1	0.05	0.01	0.01
92/10/27	700	0.02	0.05	0.05	0.1	0.05	0.01	
93/03/30	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/05/12	1445	0.02	0.56	0.12	0.1	0.05	0.01	0.01
93/11/09	800	0.02	0.05	0.11	0.1	0.05	0.01	0.01
94/03/29	835	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/11/09	1415	0.02	0.09	0.05	0.1	0.05	0.01	0.01
98/07/20	1450	0.02	0.13	0.1	0.1	0.05	0.01	0.1
	MEDIAN	0.02	0.09	0.05	0.1	0.05	0.01	0.01
	NUMBER	45	45	45	45	45	45	37
	MEAN	0.0537996	0.328244	0.107555	0.224888	0.0501995	0.0102222	0.0149189
	STD DEV	0.103374	0.514883	0.176186	0.452335	0.0013583	0.0014906	0.0185073

48486 N 08 05595700
3818 35.0 088 59 19.02
BIG MUDDY R R T 15 3 MI W MT VERNON T2S R2E NW33
17081 ILLINOIS JEFFERSON
UPPER MISSISSIPPI RIVER 72191
BIG MUDDY RIVER
21ILL HQ 07140106051 0007.890 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
95/04/12	1200	0.05	0.5	0.42	0.1	0.11	0.01	0.01
95/05/10	1100	0.05	2.2	3.7	0.3	0.05	0.01	0.01
95/11/15	1000	0.02	0.14	0.3	0.1	0.05	0.01	0.01
	MEDIAN	0.05	0.5	0.42	0.1	0.05	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.04	0.946666	1.47333	0.166667	0.07	0.01	0.01
	STD DEV	0.0173206	1.10024	1.92928	0.11547	0.0346411	0	0

05597000 N 11
3754 05.0 089 00 50.02
BIG MUDDY R R T 149 .7 M I W PLUMFIELD T7SR2ENW20
17055 ILLINOIS FRANKLIN
UPPER MISSISSIPPI RIVER
BIG MUDDY RIVER
21ILL 790616 HQ 07140106

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/01	1100	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/16	800	0.024	1.7	0.05	0.1	0.05	0.01	
86/04/08	800	0.036	0.71	0.05	0.1	0.05	0.01	0.01
86/05/13	800	0.02	1.4	0.05	0.1	0.05	0.01	
86/07/08	900	0.02	0.82	0.05	0.21	0.05	0.01	
86/08/12	800	0.32	0.96	0.62	0.1	0.05	0.01	

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

86/10/14	800	0.02	0.93	0.05	0.1	0.05	0.01	
87/01/06	800	0.02	0.05	0.05	0.1	0.05	0.01	
87/03/24	800	0.02	0.05	0.05	0.1	0.05	0.01	
87/04/27	800	0.02	0.79	0.17	0.1	0.05	0.01	0.01
87/06/09	800	0.02	2.2	0.13	0.14	0.05	0.01	0.01
87/07/13	800	0.12	2.3	0.099	0.56	0.074	0.01	0.01
87/10/20	800	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/05	800	0.02	0.71	0.22	0.1	0.05	0.01	0.01
88/04/18	800	0.02	0.34	0.05	0.1	0.05	0.01	0.01
88/05/18	800	0.02	0.23	0.05	0.1	0.05	0.01	0.01
88/06/09	800	0.02	0.3	0.05	0.1	0.05	0.01	0.01
88/07/20	1300	0.041	0.99	0.12	0.1	0.083	0.13	0.027
88/10/18	800	0.02	0.2	0.05	0.1	0.05	0.01	0.01
89/01/11	800	0.02	0.27	0.05	0.06	0.05	0.01	0.023
89/03/30	800	0.037	0.22	0.05	0.1	0.05	0.01	0.012
89/04/26	800	0.02	1.1	0.05	0.1	0.05	0.01	0.01
89/06/06	800	0.76	7.3	1.3	1.5	0.05	0.01	0.01
89/08/15	800	0.03	0.05	0.2	0.1	0.05	0.01	0.01
89/10/23	800	0.02	0.7	0.09	0.1	0.05	0.01	0.01
90/01/25	800	0.04	0.09	0.05	0.1	0.05	0.01	0.01
90/04/17	800	0.02	1	0.07	0.1	0.05	0.01	0.01
90/05/23	800	0.04	1.1	0.57	0.1	0.05	0.01	0.01
90/06/20	800	0.18	2	1.1	0.2	0.05	0.01	0.01
90/08/14	800	0.08	2.5	1.9	0.2	0.05	0.01	0.01
90/11/01	800	0.02	1.1	1.6	0.1	0.05	0.01	0.01
91/02/04	800	0.03	0.05	1	0.1	0.05	0.01	0.01
91/03/18	800	0.05	0.05	0.05	0.1	0.05	0.01	0.01
91/05/30	1100	0.066	1.2	0.79	0.1	0.05	0.01	0.01
91/10/08	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/11	900	0.02	0.83	0.3	0.1	0.05	0.01	0.01
92/05/20	900	0.027	1.9	0.75	0.1	0.05	0.01	0.018
92/11/09	1000	0.02	0.47	0.05	0.1	0.05	0.01	0.01
93/03/31	800	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/06/07	900	0.14	1.7	0.42	0.1	0.05	0.01	0.01
93/10/27	900	0.02	0.05	0.96	0.1	0.05	0.01	0.01
94/04/05	1000	0.02	0.05	0.19	0.1	0.05	0.01	0.01
94/06/01	1300	0.02	2.7	1.7	0.21	0.05	0.01	0.01
94/10/31	1000	0.02	0.49	5.7	0.1	0.05	0.01	0.02
95/03/09	900	0.02	0.05	0.05	0.1	0.08	0.01	0.04
95/05/09	1000	0.53	11	3.6	0.58	0.85	0.01	0.01
95/10/02	800	0.02	2.4	1.7	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.71	0.09	0.1	0.05	0.01	0.01
	NUMBER	47	47	47	47	47	47	39
	MEAN	0.0666167	1.17553	0.56168	0.158723	0.0688718	0.0125532	0.0120513
	STD DEV	0.136272	1.90743	1.04068	0.222989	0.11664	0.0175038	0.0059866

05599500 N 12
3745 30.0 089 19 38.04
BIG MUDDY R R T 127 S MURPHYSBORO T9S R2W NE9
17077 ILLINOIS JACKSON
UPPER MISSISSIPPI RIVER
BIG MUDDY RIVER
21ILL 790616 07140106002 0006.630 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
87/06/04	1000	0.59	3.8	0.27	0.54	0.05	0.01	0.01
87/08/26	930		0.4	0.14				0.01
89/08/29	1030	0.02	0.6	0.1	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.6	0.14	0.1	0.05	0.01	0.01
	NUMBER	2	3	3	2	2	2	3
	MEAN	0.305	1.6	0.17	0.32	0.05	0.01	0.01
	STD DEV	0.403051	1.90788	0.0888819	0.311127	0.000061	0	0

05599200 NC 07
37 54 12.0 089 22 36.02
BEAUCOUP CR 2MI W VERGENNES T7S R3W NE24
17077 ILLINOIS JACKSON
UPPER MISSISSIPPI RIVER
BIG MUDDY RIVER
21ILL 790616 HQ07140106057 0015.180 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
95/04/13	800	0.02	0.35	0.37	0.17	0.22	0.01	0.01
95/05/18	800	0.02	7.7	5	0.1	0.05	0.01	0.01
95/10/18	1100	0.02	0.42	0.09	0.1	0.05	0.01	0.01
MEDIAN		0.02	0.42	0.37	0.1	0.05	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.02	2.82333	1.82	0.123333	0.106667	0.01	0.01
STD DEV		0	4.22346	2.75751	0.0404146	0.0981495	0	0

48488 ND 01 05598245
3746 18.0 089 10 49.04
CRAB ORCHARD CR 4 MI NE CARBONDALE T9SR1WNE2
17077 ILLINOIS JACKSON
UPPER MISSISSIPPI RIVER 72191
BIG MUDDY RIVER
21ILL 07140106006 0000.780 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
95/04/03	800	0.02	0.1	0.05	0.1	0.05	0.01	0.01
95/05/17	700	0.3	2.5	0.05	0.1	0.05	0.01	0.01
95/10/17	700	0.02	0.05	0.05	0.1	0.05	0.01	0.01
MEDIAN		0.02	0.1	0.05	0.1	0.05	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.113333	0.883333	0.05	0.1	0.05	0.01	0.01
STD DEV		0.161658	1.4003	0.0000748	0	0.0000748	0	0

48491 ND 04 05597500
3743 45.0 088 53 23.02
CRAB ORCHARD CR RT 13 E EDGE MARN T9S R3E SW16
17199 ILLINOIS WILLIAMSON
UPPER MISSISSIPPI RIVER 72192
BIG MUDDY RIVER
21ILL HQ 07140106026 0006.820 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
95/03/22	800	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/05/11	800	0.34	6.4	0.05	1.9	0.05	0.01	0.01
95/10/30	800	0.02	0.26	0.05	0.1	0.05	0.01	0.01
MEDIAN		0.02	0.26	0.05	0.1	0.05	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.126667	2.23667	0.05	0.699999	0.05	0.01	0.01
STD DEV		0.184752	3.60708	0.0000748	1.03923	0.0000748	0	0

05597280 NE 05
3753 01.0 089 12 31.02
L MUDDY R 1.3 MI E ELKVILLE T7S R1W NE21
17077 ILLINOIS JACKSON
UPPER MISSISSIPPI RIVER
BIG MUDDY RIVER
21ILL 790616 HQ 07140106054 0011.380 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
95/03/09	700	0.02	0.05	0.05	0.1	0.1	0.01	0.01
95/05/09	800	1.3	27	4.3	0.55	1.7	0.01	0.01

95/11/06	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.05	0.05	0.1	0.1	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.446666	9.03332	1.46667	0.25	0.616666	0.01	0.01
	STD DEV	0.739008	15.5596	2.45374	0.259808	0.938527	0	0

48160 NG 02 05597040
3753 03.0 088 55 51.02
POND CR RT 37 S EDGE W FRANKFORT T7S R2E NE25
17055 ILLINOIS FRANKLIN
UPPER MISSISSIPPI RIVER 72191
BIG MUDDY RIVER
21ILL 7140106

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
95/04/13	1000	0.02	0.33	0.05	0.1	0.91	0.01	0.01
95/05/18	1000	0.41	5.5	0.81	1.1	0.08	0.01	0.01
95/10/18	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.33	0.05	0.1	0.08	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.15	1.96	0.303333	0.433333	0.346666	0.01	0.01
	STD DEV	0.225166	3.06892	0.438786	0.57735	0.488092	0	0

05596400 NH 06
3756 58.0 088 54 00.02
MIDFK BIG MU DDY R 2.7 MI SSE BENN T7S R3E NE5
17055 ILLINOIS FRANKLIN
UPPER MISSISSIPPI RIVER
BIG MUDDY RIVER
21ILL 790616 HQ 07140106037 0002.730 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
95/03/09	1300	0.02	0.05	0.05	0.1	0.1	0.01	0.02
95/05/09	1100	2.1	16	7.4	1.5	0.34	0.01	0.01
95/11/06	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
	MEDIAN	0.02	0.05	0.05	0.1	0.1	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.713333	5.36666	2.5	0.566666	0.163333	0.01	0.0133333
	STD DEV	1.20089	9.20874	4.24352	0.80829	0.155027	0	0.0057735

48163 NJ 07 05595830
3816 06.0 088 53 57.02
CASEY FK RT 3 7 3 MI S M T VERNON T3S R3E NW17
17081 ILLINOIS JEFFERSON
UPPER MISSISSIPPI RIVER 72191
BIG MUDDY RIVER
21ILL HQ 07140106048 0006.640 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
95/04/12	1000	0.02	0.19	0.05	0.1	0.08	0.01	0.09
95/05/10	1000	0.02	5.3	2	1.2	0.07	0.01	0.05
95/11/15	900	0.02	0.62	0.05	0.1	0.05	0.01	0.1
	MEDIAN	0.02	0.62	0.05	0.1	0.07	0.01	0.09
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.02	2.03667	0.699999	0.466666	0.0666666	0.01	0.08
	STD DEV	0	2.83429	1.12583	0.635085	0.0152756	0	0.0264577

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

48495 NK 01 05595730
3816 08.0 089 03 15.02
RAYSE CR 2 MI N WALNV ILLE T3S R2E SW19
17081 ILLINOIS JEFFERSON
UPPER MISSISSIPPI RIVER 72191
BIG MUDDY RIVER
21ILL HQ 07140106052 0005.450 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
95/04/12	1300	0.21	0.5	0.44	0.5	0.26	0.01	0.01
95/05/10	1300	0.09	7.1	8.1	0.67	0.06	0.01	0.01
95/11/15	1100	0.02	0.34	0.39	0.1	0.05	0.01	0.01
MEDIAN		0.09	0.5	0.44	0.5	0.06	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.106667	2.64667	2.97667	0.423333	0.123333	0.01	0.01
STD DEV		0.0960902	3.85753	4.43701	0.292633	0.118462	0	0

4776 O 02
3935 00.0 088 24 54.02
KASKASKIA R C OOKS MILL T13N R7E SW10
17000 ILLINOIS
UPPER MISSISS IPPI RIVER 72092
KASKASKIA RIVER
21ILL 07140201013 0012.210 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
97/04/01	1030	0.02	0.15	0.05	0.18	0.05	0.01	0.01
97/06/10	915	0.02	2.9	0.62	1.3	0.05	0.01	0.01
97/07/30	1145	0.02	0.24	0.06	0.3	0.05	0.01	0.01
MEDIAN		0.02	0.24	0.06	0.3	0.05	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.02	1.09667	0.243333	0.593333	0.05	0.01	0.01
STD DEV		0	1.56238	0.326241	0.614925	0.0000748	0	0

47790 O 08 05592500
3857 42.0 089 05 12.02
KASKASKIA R R T 40-51 VANDALIA T6N R1E SE16
17051 ILLINOIS FAYETTE
UPPER MISSISSIPPI RIVER 72091
KASKASKIA RIVER
21ILL 07140202020 0005.720 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/22	800	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/14	700	0.02	0.68	0.05	0.29	0.05	0.01	
86/04/15	700	0.02	0.51	0.058	0.23	0.05	0.01	0.01
86/05/20	700	0.57	2	0.12	1.6	0.06	0.01	0.01
86/06/11	1300	0.1	1.6	0.19	0.73	0.11	0.01	
86/07/29	700	0.033	0.57	0.054	0.17	0.05	0.01	0.01
86/10/02	800	0.13	1.4	0.09	0.43	0.061	0.01	0.011
87/01/15	700	0.026	1.3	0.55	0.22	0.05	0.01	0.01
87/04/23	700	0.02	0.39	0.05	0.1	0.05	0.01	
87/06/02	800	0.02	0.65	0.08	0.17	0.05	0.01	0.01
87/07/07	800	0.068	1.4	0.05	1	0.05	0.01	0.01
87/08/20	700	0.02	0.58	0.12	0.18	0.05	0.01	0.01
87/09/10	800	0.02	0.34	0.05	0.1	0.05	0.01	0.01
87/10/06	800	0.02	0.27	0.05	0.11	0.05	0.01	0.01
88/01/12	700	0.02	0.69	0.1	0.2	0.05	0.01	0.012
88/03/29	700	0.092	0.18	0.05	0.29	0.05	0.01	0.017
88/06/02	800	0.02	0.3	0.076	0.26	0.05	0.01	0.01
88/06/28	700	0.02	0.29	0.05	0.1	0.05	0.01	0.01
88/08/18	800	0.02	0.47	0.05	0.24	0.05	0.01	0.01
88/11/03	700	0.02	0.18	0.05	0.1	0.05	0.01	0.01
89/01/19	700	0.02	0.18	0.05	0.1	0.05	0.01	0.01
89/04/20	800	0.02	0.05	0.05	0.19	0.05	0.01	0.01
89/05/24	900	0.26	4.4	0.23	2.3	0.05	0.014	0.01
89/06/30	1100	0.17	1.4	0.54	1.4	0.05	0.01	0.01

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

89/08/22	800	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/10/19	700	0.02	0.37	0.13	0.18	0.05	0.01	0.01
90/01/11	700	0.02	0.5	0.11	0.16	0.05	0.01	0.01
90/03/27	700	0.02	0.47	0.05	0.2	0.05	0.01	0.01
90/06/12	700	0.2	2.7	0.29	1.1	0.05	0.01	0.01
90/07/19	700	0.5	4.9	1.8	3.4	0.05	0.01	0.01
90/10/11	700	0.12	0.4	0.05	0.54	0.05	0.01	0.01
91/01/24	700	0.02	0.05	0.36	0.21	0.05	0.01	0.01
91/03/21	700	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/05/29	700	0.035	0.87	0.32	0.3	0.018	0.01	0.01
91/10/29	700	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/04/14	700	0.02	0.46	0.13	0.12	0.05	0.01	0.01
92/05/19	700	0.02	0.16	0.57	0.54	0.05	0.01	0.01
92/11/05	700	0.02	0.73	0.05	0.1	0.05	0.01	0.01
93/03/04	700	0.02	0.1	0.05	0.1	0.05	0.01	0.01
93/05/20	700	0.07	0.05	0.33	0.85	0.05	0.01	0.01
93/11/09	700	0.02	0.05	0.08	0.1	0.05	0.01	0.01
94/04/13	700	0.23	3.6	1	1.3	0.05	0.01	0.01
94/06/23	700	0.02	7.3	1.7	2.6	0.05	0.01	0.01
94/10/27	700	0.02	0.28	0.7	0.42	0.05	0.01	0.01
96/04/09	700	0.02	1.3	0.38	0.16	0.1	0.01	0.01
96/05/21	700	0.04	4.4	0.53	1.4	0.19	0.01	0.01
96/06/18	700	0.06	6.3	1.2	2.5	0.38	0.01	0.01
97/04/08	700	0.02	0.35	0.05	0.11	0.05	0.01	0.01
97/05/13	700	0.02	1.9	0.13	0.66	0.05	0.01	0.01
97/06/17	700	0.02	1.6	0.12	0.94	0.06	0.01	0.01
	MEDIAN	0.02	0.47	0.08	0.21	0.05	0.01	0.01
	NUMBER	50	50	50	50	50	50	46
	MEAN	0.0672795	1.17739	0.261759	0.577996	0.0615795	0.01008	0.0102174
	STD DEV	0.112363	1.6554	0.396189	0.756364	0.0513577	0.0005654	0.0010731

48496 O 20 05594100
3826 57.0 089 37 40.02
KASKASKIA R R T 177 5 MI NW OKAWVL T1SR5WNW14
17189 ILLINOIS WASHINGN
UPPER MISSISSIPPI RIVER 72091
KASKASKIA RIVER
21ILL 07140204008 0017.230 ON

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	900			0.11	0.11			0.01
87/08/27	1200	0.02	0.93	0.25	0.13	0.15	0.01	0.01
96/03/27	1200	0.17	6.7	4.4	1.6	4.4	0.01	0.01
96/04/24	1200	0.18	8.9	1.8	2.8	0.65	0.01	0.01
96/06/03								
	MEDIAN	0.17	6.7	0.25	0.13	0.65	0.01	0.01
	NUMBER	3	3	4	4	3	3	4
	MEAN	0.123333	5.51	1.64	1.16	1.73333	0.01	0.01
	STD DEV	0.0896288	4.11611	1.993	1.297	2.32289	0	0

05595400 O 30
3800 58.0 089 57 14.02
KASKASKIA R 2 .7 MI W ELLIS GROVE T6S R8W NW14
17157 ILLINOIS RANDOLPH
UPPER MISSISSIPPI RIVER
KASKASKIA RIVER
21ILL 790616 07140204001 0003.530 ON

		77825	39630	81757	39356	81408	81284	39032
		ALACHLOR	ATRAZINE	CYANAZINE	METOLACHLOR	METRIBUZIN	TRIFLURALIN	PCP
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
87/09/17	1000	0.049	0.67	0.05	0.23	0.05	0.01	0.011

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

48500 OD 06 05594450
3843 10.0 089 49 43.02
SILVER CR RT 40 3 MI W ST JACOB T3N T7W SW12
17119 ILLINOIS MADISON
UPPER MISSISSIPPI RIVER 72091
KASKASKIA RIVER
21ILL 07140204013 0001.730 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
96/04/23	900	0.07	29	12	11	13	0.01	0.01
96/06/06	900	0.32	12	5.1	5.6	2	0.01	0.01
96/07/18	900	0.08	3.6	0.9	2.6	0.63	0.01	0.01
MEDIAN		0.08	12	5.1	5.6	2	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.156667	14.8667	5.99999	6.39999	5.21	0.01	0.01
STD DEV		0.141539	12.9404	5.60447	4.25677	6.78103	0	0

05594800 OD 07
3824 22.0 089 52 26.02
SILVER CR RT 15 2.2 MI SE FREEBURG T1SR7WNE33
17163 ILLINOIS ST CLAIR
UPPER MISSISSIPPI RIVER
KASKASKIA RIVER
21ILL 790616 07140204011 0006.380 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/10	900	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/21	800	0.02	0.31	0.05	0.1	0.05	0.01	
86/04/07	800	0.02	0.16	0.05	0.1	0.05	0.01	0.06
86/05/21	800	3.5	13	0.05	6.2	0.22	0.01	0.028
86/06/18	1000	0.83	4.2	0.05	1.9	0.28	0.01	
86/08/11	800	0.02	0.17	0.05	0.1	0.05	0.01	
86/10/21	900	0.035	0.37	0.05	0.14	0.05	0.01	
87/01/13	900	0.02	0.88	0.05	0.1	0.05	0.01	
87/04/01	900	0.02	0.26	0.05	0.1	0.05	0.01	0.01
87/05/06	900	3.6	18	3.4	12	0.49	0.11	0.01
87/07/01	900	2.8	5.5	2	5.1	3.7	0.19	0.01
87/07/23	900	0.02	0.85	0.34	0.69	0.097	0.01	0.01
87/10/21	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/06	900	0.02	0.058	0.05	0.1	0.05	0.01	0.01
88/03/23	900	0.02	0.087	0.05	0.1	0.05	0.01	0.01
88/05/05	900	0.04	0.18	0.18	0.1	0.05	0.01	0.01
88/06/06	900	1.4	3.8	3.5	3.7	0.25	0.01	0.01
88/07/11	900	0.048	0.16	0.2	0.19	0.05	0.01	0.01
88/10/17	900	0.02	0.17	0.05	0.1	0.05	0.01	0.01
89/01/10	900	0.07	0.35	0.05	0.14	0.05	0.03	0.03
89/04/04	900	0.04	0.47	0.05	0.12	0.05	0.016	0.03
89/05/01	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/08/02	900	0.05	0.84	0.45	0.24	0.05	0.01	0.01
89/10/02	900	0.02	0.33	0.05	0.1	0.05	0.01	0.01
89/12/20	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/03/21	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/04/24	900	0.03	0.78	0.8	1.1	0.05	0.01	0.01
90/06/04	900	0.14	2.2	1.7	1.3	0.05	0.01	0.01
90/07/11	900	0.35	1.4	0.47	0.34	0.05	0.01	0.01
90/10/01	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
91/01/15	900	0.02	0.37	0.05	0.1	0.05	0.01	0.01
91/04/03	900	0.1	0.25	0.05	0.5	0.05	0.01	0.01
91/05/22	900	0.22	13	4	3.5	0.35	0.01	0.027
91/10/07	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/03/24	900	0.02	0.05	0.25	0.31	0.05	0.01	0.01
92/06/01	900	1.8	13	1.2	4.1	0.05	0.01	0.01
92/10/01	900	0.02	0.09	0.05	0.1	0.05	0.01	0.01
93/04/06	1000	0.08	0.38	0.05	0.11	0.05	0.01	0.01
93/06/01	900	0.12	2.3	0.98	1	0.09	0.01	0.01
93/10/05	900	0.02	0.05	0.17	0.1	0.05	0.01	0.01
94/03/24	900	0.04	0.05	0.2	0.2	0.04	0.02	0.01
94/06/29	900	1.2	15	3.8	4.5	0.2	0.01	0.04
94/10/20	900	0.02	0.05	0.05	0.1	0.05	0.01	0.05
96/04/02	900	0.02	0.28	0.12	0.18	0.15	0.01	0.04

96/05/08	900	0.06	6	3.1	2.5	1.9	0.01	0.01
96/06/26	1400	0.21	5.1	2.4	2.2	0.49	0.01	0.02
	MEDIAN	0.02	0.31	0.05	0.12	0.05	0.01	0.01
	NUMBER	46	46	46	46	46	46	40
	MEAN	0.374412	2.40967	0.664345	1.18173	0.215369	0.0168696	0.015875
	STD DEV	0.872098	4.54484	1.15537	2.24692	0.598561	0.030098	0.0124368

48501 OH 01 05594090
3832 29.0 089 37 05.02
SUGAR CR RT 1 61 2 MI E NEW BADEN T1NR5WSW11
17027 ILLINOIS CLINN
UPPER MISSISSIPPI RIVER 72091
KASKASKIA RIVER
21ILL 07140204010 0006.240 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
96/04/11	1200	0.03	0.49	0.14	0.1	0.14	0.01	0.02
96/05/09	1200	0.25	8.6	6.9	1.6	2.4	0.01	0.04
96/06/26	1000	0.19	15	5.7	2.8	0.8	0.01	0.03
	MEDIAN	0.19	8.6	5.7	1.6	0.8	0.01	0.03
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.156667	8.03	4.24667	1.5	1.11333	0.01	0.03
	STD DEV	0.113725	7.27177	3.60673	1.35277	1.16212	0	0.0100001

05594000 OI 08
3836 35.0 089 29 40.02
SHOAL CR RT 5 0 1.4 MI E BREESE T2N R4W SW13
17027 ILLINOIS CLINN
UPPER MISSISSIPPI RIVER
KASKASKIA RIVER
21ILL 790616 07140203003 0004.390 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
96/04/11	1000	0.02	1.1	0.42	0.15	0.09	0.01	0.01
96/05/09	1000	0.25	7.9	2	3.5	2.2	0.01	0.01
96/06/26	1100	0.05	5	2.8	2.8	0.82	0.01	0.01
	MEDIAN	0.05	5	2	2.8	0.82	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.106667	4.66667	1.74	2.15	1.03667	0.01	0.01
	STD DEV	0.125033	3.41223	1.21112	1.76706	1.07156	0	0

05593785 OI 09
3903 46.0 089 32 46.04
SHOAL CR 3 MI NW PANAMA T7N R4W SW9
17135 ILLINOIS MONTGOMERY
UPPER MISSISSIPPI RIVER 72000
KASKASKIA RIVER
21ILL 820522 07140203009 0022.350 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
96/03/25	930	0.02	0.17	0.05	0.17	0.14	0.01	0.01
96/06/27	845	0.03	1.2	0.94	2.3	0.49	0.01	0.02
96/07/23	1145	0.02	1.1	1.3	1.9	0.37	0.01	0.01
	MEDIAN	0.02	1.1	0.94	1.9	0.37	0.01	0.01
	NUMBER	3	3	3	3	3	3	3
	MEAN	0.0233333	0.823333	0.763333	1.45667	0.333333	0.01	0.0133333
	STD DEV	0.0057736	0.568008	0.643454	1.13209	0.177858	0	0.0057735

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

48505 OJ 07 05593505
3833 50.0 089 03 00.02
CROOKED CR 4 MI S ODIN T2N R1E SE35
17121 ILLINOIS MARN
UPPER MISSISSIPPI RIVER 72091
KASKASKIA RIVER
21ILL 07140202004 0024.160 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
96/04/09	1300	0.02	0.37	0.05	0.1	0.09	0.01	0.01
96/05/13	1300	0.02	0.63	0.05	0.2	0.88	0.01	0.01
96/06/25	1100	0.02	9.2	0.96	2.8	0.6	0.01	0.01
MEDIAN		0.02	0.63	0.05	0.2	0.6	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.02	3.4	0.353333	1.03333	0.523333	0.01	0.01
STD DEV		0	5.02463	0.525389	1.53079	0.400541	0	0

48507 OK 01 05592900
3841 23.0 089 06 00.02
E FK KASKASKIA R RT 51 6 M N SANDOVAL T3NR1ENW21
17121 ILLINOIS MARN
UPPER MISSISSIPPI RIVER 72091
KASKASKIA RIVER
21ILL 07140202014 0006.760 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
97/04/08	1000	0.02	4.4	0.05	0.29	0.05	0.01	0.01
97/05/14	900	0.02	1	0.1	0.26	0.07	0.01	0.01
97/06/17	900	0.17	9.5	0.05	4.6	0.3	0.01	0.01
MEDIAN		0.02	4.4	0.05	0.29	0.07	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.07	4.96667	0.0666666	1.71667	0.14	0.01	0.01
STD DEV		0.0866025	4.27824	0.0288676	2.49708	0.138924	0	0

05592930 OKA 01
3846 25.0 089 05 10.04
N FK E FK KASKASKIA 1.5 MI N PAKA T4N R1E NE21
17121 ILLINOIS MARN
UPPER MISSISSIPPI RIVER 72000
KASKASKIA RIV ER - E FK KASKASKIA RIVER
21ILL 810919 07140202016 0006.570 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
97/04/08	1100	0.02	0.12	0.05	0.1	0.05	0.01	
97/05/14	1030	0.02	4	0.05	1.1	0.05	0.01	0.01
97/06/17	1030	0.02	8.6	0.07	3.7	0.18	0.01	0.02
MEDIAN		0.02	4	0.05	1.1	0.05	0.01	0.01
NUMBER		3	3	3	3	3	3	2
MEAN		0.02	4.24	0.0566666	1.63333	0.0933333	0.01	0.015
STD DEV		0	4.24509	0.0115472	1.85832	0.0750555	0	0.0070711

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

05592800 OL 02
3855 21.0 089 14 14.02
HURRICANE CR RT 140 1 M E MULBERRY GR T6NR1WSE31
17051 ILLINOIS FAYETTE
UPPER MISSISSIPPI RIVER
KASKASKIA RIVER
21ILL 790616 07140202024 0011.200 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
97/04/08	900	0.02	0.22	0.05	0.19	0.05	0.01	0.01
97/05/13	900	0.02	4.2	0.05	0.64	0.1	0.01	0.01
97/06/17	900	0.14	8.4	0.98	4.9	0.28	0.01	0.01
MEDIAN		0.02	4.2	0.05	0.64	0.1	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.06	4.27333	0.36	1.91	0.143333	0.01	0.01
STD DEV		0.069282	4.09049	0.536936	2.59917	0.120968	0	0

05592600 ON 01
3855 30.0 089 02 20.04
HICKORY CR 2. 7 MI S BLUFF CITY T6N R1E SW25
17051 ILLINOIS FAYETTE
UPPER MISSISSIPPI RIVER 72000
KASKASKIA RIVER
21ILL 810919 07140202019 0004.530 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
97/04/08	1100	0.02	16	0.05	0.21	0.05	0.01	0.01
97/05/13	1100	0.02	3.8	0.14	1.5	0.05	0.01	0.01
97/06/17	1000	0.17	6	0.13	2.5	0.47	0.01	0.01
MEDIAN		0.02	6	0.13	1.5	0.05	0.01	0.01
NUMBER		3	3	3	3	3	3	3
MEAN		0.07	8.6	0.106667	1.40333	0.19	0.01	0.01
STD DEV		0.0866025	6.50232	0.0493289	1.14806	0.242487	0	0

47920 P 04 05446500
4133 24.0 090 10 09.02
ROCK R RT 92 2 MI E JOSLIN T18N R3E NE18
17073 ILLINOIS HENRY
UPPER MISSISSIPPI RIVER 70992
ROCK RIVER
21ILL 7090005

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
87/06/04	1030	1	5.5	1.9	1.9	0.05	0.01	0.018

05442200 P 20
4153 23.0 089 25 10.02
ROCK R RT 2 N R GRAND DETOUR T22N R9E SE14
17141 ILLINOIS OGLE
UPPER MISSISSIPPI RIVER
ROCK RIVER
21ILL 790616 HQ 07090005009 0002.790 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/05/05	1124	0.02	0.1	0.1	0.14	0.05	0.01	
98/06/24	950	0.02	1.6	0.5	0.94	0.05	0.01	0.1
98/07/31	950	0.02	0.18	0.16	0.1	0.05	0.01	0.1
MEDIAN		0.02	0.18	0.16	0.14	0.05	0.01	0.1
NUMBER		3	3	3	3	3	3	2

MEAN	0.02	0.626666	0.253333	0.393333	0.05	0.01	0.1
STD DEV	0	0.84388	0.215716	0.47385	0.0000748	0	0

05447500 PB 04
4129 20.0 090 09 30.02
GREEN R RT 82 N GENESEO T17N R3E SW4
17073 ILLINOIS HENRY
UPPER MISSISSIPPI RIVER
ROCK RIVER
21ILL 790616 HQ 07090007001 0013.310 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/16	1330	0.02	0.05	0.05	0.1	0.05	0.01	
85/12/18	1030	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/16	1600	0.091	0.2	0.05	0.1	0.05	0.01	0.01
86/05/13	1600	0.14	0.27	0.05	0.34	0.05	0.01	0.01
86/06/23	1700	0.22	0.79	0.05	0.36	0.05	0.01	
86/07/16	1630	0.1	1.3	0.05	0.55	0.05	0.01	
86/10/07	900	0.054	0.64	0.083	0.3	0.05	0.01	0.01
87/01/13	800	0.02	0.05	0.05	0.1	0.05	0.01	0.01
87/03/24	1300	0.02	0.087	0.27	0.1	0.05	0.01	0.01
87/05/27	800	0.6	2.5	0.67	1.8	0.05	0.01	0.01
87/07/14	830	0.02	0.25	0.05	0.15	0.05	0.01	0.01
87/08/10	1600	0.033	0.43	0.055	0.23	0.05	0.01	0.01
87/10/07	1100	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/20	800	0.027	0.56	0.22	0.32	0.05	0.01	0.044
88/04/14	730	0.029	0.17	0.05	0.22	0.05	0.01	0.01
88/05/24	1230	1.6	1.1	1.1	0.94	0.05	0.01	0.011
88/07/14	730	0.02	0.38	0.05	0.1	0.05	0.01	0.01
88/09/21	1100	0.025	0.05	0.05	0.1	0.05	0.01	0.01
88/10/19	1130	0.069	0.088	0.05	0.16	0.05	0.01	0.01
89/01/11	1015	0.068	0.16	0.05	0.11	0.05	0.01	0.01
89/03/22	1130	0.02	0.14	0.14	0.11	0.05	0.01	0.01
89/05/30	1500	0.04	1.8	1.3	0.33	0.05	0.01	0.01
89/06/27	1000	0.02	1.3	0.21	0.49	0.05	0.01	0.01
89/08/09	1240	0.02	0.6	0.39	0.13	0.05	0.01	0.01
89/10/25	1305	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/11/28	1230	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/12/18	1620	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/01/22	1350	0.02	0.06	0.15	0.17	0.05	0.01	0.01
90/04/18	1355	0.02	0.05	0.09	0.1	0.05	0.01	0.01
90/05/22	840	0.23	0.94	0.86	1.4	0.05	0.01	0.01
90/07/26	830	0.02	0.38	0.05	0.12	0.05	0.01	0.01
90/10/22	1535	0.08	0.05	0.06	0.2	0.05	0.01	0.01
91/01/28	1450	0.02	0.05	1.5	0.1	0.05	0.01	0.01
91/03/19	850	0.07	0.05	0.05	0.16	0.06	0.01	0.01
91/05/29	1000	0.88	9.9	4.1	4.2	0.05	0.01	0.01
91/10/29	900	0.31	1.3	0.07	0.39	0.05	0.01	0.01
92/04/13	1505	0.02	1.9	0.09	0.14	0.05	0.01	0.01
92/05/11	1545	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/11/23	1305	0.02	0.05	0.1	0.35	0.05	0.01	0.01
93/03/17	1235	0.03	0.05	0.05	0.1	0.05	0.01	0.01
93/05/05	1030	0.12	0.42	0.42	0.23	0.05	0.01	0.01
93/11/09	1515	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/04/12	1100	0.06	0.2	0.19	0.23	0.05	0.01	0.01
94/05/16	1445	0.02	0.56	0.28	0.11	0.05	0.01	0.01
94/10/25	1130	0.02	0.05	0.05	0.18	0.05	0.01	0.01
95/03/14	1255	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/10/31	1240	0.02	0.4	0.05	0.1	0.05	0.01	0.01
96/04/09	1400	0.02	0.07	0.05	0.1	0.05	0.01	0.01
96/05/07	1330	0.02	0.33	0.16	0.39	0.14	0.01	0.01
96/06/18	1225	0.08	10	3.2	2.2	0.22	0.01	0.01
98/04/13	1650	0.02	0.1	0.1	0.13	0.05	0.01	0.1
98/06/29	1430	0.02	0.61	0.22	0.72	0.05	0.01	0.1
98/07/27	1455	0.02	0.1	0.1	0.1	0.05	0.01	0.1
	MEDIAN	0.02	0.17	0.055	0.14	0.05	0.01	0.01
	NUMBER	53	53	53	53	53	53	49
	MEAN	0.10483	0.772355	0.328829	0.374715	0.0550939	0.01	0.0162245
	STD DEV	0.256193	1.91325	0.740473	0.677126	0.0262119	0	0.022154

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

PH 16 054440000
4154 10.0 089 41 40.04
ELKHORN CR 2 MI NW PENROSE T22N R7E SE9
17195 ILLINOIS WHITESIDE
UPPER MISSISSIPPI RIVER 70900
ROCK RIVER
21ILL 800301 HQ 07090005022 0015.520 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
85/10/15	1530	0.02	0.05	0.05	0.1	0.05	0.01	
86/01/06	1430	0.02	0.05	0.05	0.1	0.05	0.01	
86/04/08	930	0.02	0.31	0.05	0.1	0.05	0.01	0.01
86/05/29	1145	0.21	1.1	0.26	0.43	0.05	0.01	
86/06/10	900	0.044	0.18	0.05	0.1	0.05	0.01	
86/10/15	1000	0.023	0.38	0.05	0.11	0.05	0.01	
87/01/13	1100	0.02	0.11	0.05	0.1	0.05	0.01	
87/03/24	700	0.02	0.17	0.069	0.1	0.05	0.01	0.01
87/05/27	1230	0.16	1.4	0.21	0.43	0.05	0.01	
87/07/13	1130	0.02	0.32	0.05	0.1	0.05	0.01	0.01
87/08/11	1130	0.11	0.46	0.05	0.21	0.05	0.01	0.01
87/10/07	900	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/01/19	930	0.02	0.19	0.05	0.1	0.05	0.01	0.013
88/04/12	1330	0.021	0.14	0.05	0.1	0.05	0.01	0.01
88/05/24	1430	0.41	1	1.2	0.84	0.05	0.01	0.01
88/07/14	1130	0.02	0.53	0.05	0.1	0.05	0.01	0.01
88/09/22	1300	0.02	0.12	0.05	0.1	0.05	0.01	0.01
88/10/26	930	0.02	0.12	0.05	0.1	0.05	0.01	0.01
89/01/11	1430	0.02	0.18	0.05	0.07	0.05	0.01	0.01
89/03/21	1430	0.02	0.06	0.05	0.1	0.05	0.02	0.01
89/04/19	1615	0.02	0.05	0.05	0.1	0.05	0.01	0.01
89/05/24	1515	0.07	0.18	0.12	0.09	0.05	0.01	0.01
89/06/27	1620	0.02	0.34	0.05	0.12	0.05	0.01	0.01
89/08/09	1100	0.03	0.35	0.17	0.1	0.05	0.01	0.01
89/10/25	820	0.02	0.09	0.05	0.1	0.05	0.01	0.01
89/12/18	1030	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/01/23	1210	0.02	0.05	0.05	0.1	0.05	0.01	0.01
90/04/19	1035	0.06	0.05	0.05	0.2	0.05	0.01	0.01
90/05/21	1200	4.8	14	2.7	11	0.05	0.01	0.01
90/07/25	1030	0.02	1.1	0.05	0.1	0.05	0.01	0.01
90/10/22	1030	0.06	0.05	0.06	0.26	0.05	0.01	0.01
91/01/28	1040	0.02	0.05	1	0.1	0.05	0.01	0.01
91/03/19	1240	0.06	0.05	0.05	0.2	0.05	0.01	0.01
91/05/29	1350	0.12	0.98	0.14	0.6	0.05	0.01	0.015
91/10/28	1130	0.07	1.2	0.05	0.16	0.05	0.02	0.01
92/04/13	1035	0.03	0.05	0.14	0.15	0.05	0.01	0.01
92/05/11	1200	0.02	0.05	0.05	0.1	0.05	0.01	0.01
92/11/16	1400	0.02	0.05	0.05	0.1	0.05	0.01	0.01
93/03/16	1540	0.03	0.05	0.05	0.1	0.05	0.01	0.01
93/05/05	1430	0.02	0.5	0.14	0.1	0.05	0.01	0.01
93/11/09	1300	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/03/29	700	0.02	0.05	0.05	0.1	0.05	0.01	0.01
94/05/16	745	0.02	0.56	0.28	0.14	0.05	0.02	0.01
94/10/25	800	0.02	0.05	0.05	0.1	0.05	0.01	0.01
95/04/10	900	0.02	0.24	0.05	0.1	0.05	0.01	0.01
95/10/31	800	0.02	0.4	0.05	0.1	0.05	0.01	0.01
96/03/13	1150	0.02	0.2	0.05	0.11	0.05	0.01	0.01
96/05/14	1200	0.02	1.5	0.14	0.57	0.24	0.01	0.01
96/06/18	1430	0.06	36	1.2	7.6	1.1	0.01	0.01
98/04/13	1300	0.02	0.15	0.1	0.1	0.05	0.01	0.1
98/06/30	730	0.02	0.38	0.1	0.16	0.05	0.01	0.1
98/07/28	940	0.02	0.1	0.1	0.1	0.05	0.01	0.1
	MEDIAN	0.02	0.17	0.05	0.1	0.05	0.01	0.01
	NUMBER	52	52	52	52	52	52	45
	MEAN	0.135538	1.26711	0.189019	0.512496	0.0738456	0.0105769	0.0161778
	STD DEV	0.662619	5.27831	0.437176	1.81237	0.147464	0.0023542	0.0226718

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

05442020 PL 03
4159 50.0 089 17 30.02
KYTE R 1 MI E DAYSVILLE T23N R10E NW13
17141 ILLINOIS OGLE
UPPER MISSISSIPPI RIVER 70900
ROCK RIVER
21ILL 791103 HQ 07090005

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/05/05	1226	0.02	0.16	0.1	0.1	0.05	0.01	
98/06/24	1050	0.02	0.41	0.1	0.3	0.05	0.01	0.1
98/07/30	930	0.02	0.14	0.1	0.1	0.05	0.01	0.1
MEDIAN		0.02	0.16	0.1	0.1	0.05	0.01	0.1
NUMBER		3	3	3	3	3	3	2
MEAN		0.02	0.236667	0.1	0.166667	0.05	0.01	0.1
STD DEV		0	0.150444	0	0.11547	0.0000748	0	0

05438250 PQF 07
4210 58.0 088 38 28.02
COON CR .8 MI SW RILEY T43N R5E SW22
17111 ILLINOIS MCHENRY
UPPER MISSISS IPPI RIVER 70900
ROCK RIVER - KISHWAUKEE RIVER
21ILL 791103 HQ 07090006010 0010.450 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
88/04/12	1000	0.021	0.086	0.05	0.1	0.05	0.01	0.01
88/05/18	1130	0.053	0.05	0.05	0.98	0.05	0.01	0.01
88/07/07	615	0.02	0.12	0.05	0.1	0.05	0.01	0.01
88/09/12	830	0.02	0.05	0.05	0.1	0.05	0.01	0.01
88/10/26	1230	0.57	0.2	0.11	1.8	0.05	0.01	0.01
MEDIAN		0.021	0.086	0.05	0.1	0.05	0.01	0.01
NUMBER		5	5	5	5	5	5	5
MEAN		0.1368	0.1012	0.062	0.616	0.05	0.01	0.01
STD DEV		0.242579	0.0624276	0.0268329	0.763728	0.000061	0	0

4810 PW 01 05435800
4225 33.0 089 11 39.02
PECANICA R RT 75 AT H ARRISON T28N R11E NW14
17201 ILLINOIS WINNEBAGO
UPPER MISSISS IPPI RIVER 70991
ROCK RIVER
21ILL 07090003054 0000.450 ON

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/04/14	1420	0.02	0.1	0.1	0.1	0.05	0.01	0.1
98/06/16	1115	0.02	0.79	0.18	0.66	0.05	0.01	0.1
98/07/21	1150	0.02	0.14	0.1	0.1	0.05	0.01	0.1
MEDIAN		0.02	0.14	0.1	0.1	0.05	0.01	0.1
NUMBER		3	3	3	3	3	3	3
MEAN		0.02	0.343333	0.126667	0.286667	0.05	0.01	0.1
STD DEV		0	0.387341	0.0461881	0.323316	0.0000748	0	0

Appendix B. 2000 Pesticide results update. STORET generated summaries of the seven most commonly detected pesticides in Illinois streams between October 1985 and December 1998.

05435500 PW 08
4218 13.0 089 36 57.02
PECANIA R R T 75 FREEP ORT T27N R8E SE30
17177 ILLINOIS STEPHENSON
UPPER MISSISS IPPI RIVER
ROCK RIVER
21ILL 790616 HQ 07090003006 0002.510 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/04/14	1220	0.02	0.1	0.1	0.1	0.05	0.01	0.1
98/06/16	935	0.02	0.74	0.2	1.2	0.05	0.01	0.1
98/07/21	1035	0.02	0.1	0.1	0.1	0.05	0.01	0.1
MEDIAN		0.02	0.1	0.1	0.1	0.05	0.01	0.1
NUMBER		3	3	3	3	3	3	3
MEAN		0.02	0.313333	0.133333	0.466666	0.05	0.01	0.1
STD DEV		0	0.369504	0.0577351	0.635085	0.0000748	0	0

48527 PWN 01 05435680
4216 40.0 089 34 40.02
YELLOW CR RT 20 SE EDGE FREEPORT T26N R8E SE4
17177 ILLINOIS STEPHENSON
UPPER MISSISS IPPI RIVER 70900
ROCK RIVER - PECANICA RIVER
21ILL HQ 07090003049 0000.410 OFF

		77825 ALACHLOR µg/L	39630 ATRAZINE µg/L	81757 CYANAZINE µg/L	39356 METOLACHLOR µg/L	81408 METRIBUZIN µg/L	81284 TRIFLURALIN µg/L	39032 PCP µg/L
98/04/14	1245	0.03	0.18	0.1	0.18	0.05	0.01	0.1
98/06/16	1015	0.02	0.66	0.1	0.35	0.05	0.01	0.1
98/07/21	940	0.02	0.21	0.1	0.12	0.05	0.01	0.1
MEDIAN		0.02	0.21	0.1	0.18	0.05	0.01	0.1
NUMBER		3	3	3	3	3	3	3
MEAN		0.0233333	0.35	0.1	0.216667	0.05	0.01	0.1
STD DEV		0.0057736	0.268887	0	0.119303	0.0000748	0	0

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Categorical values encountered during processing are:
YEAR (14 levels)
1985, 1986, 1987, 1988, 1989, 1990, 1991,
1992, 1993, 1994, 1995, 1996, 1997, 1998

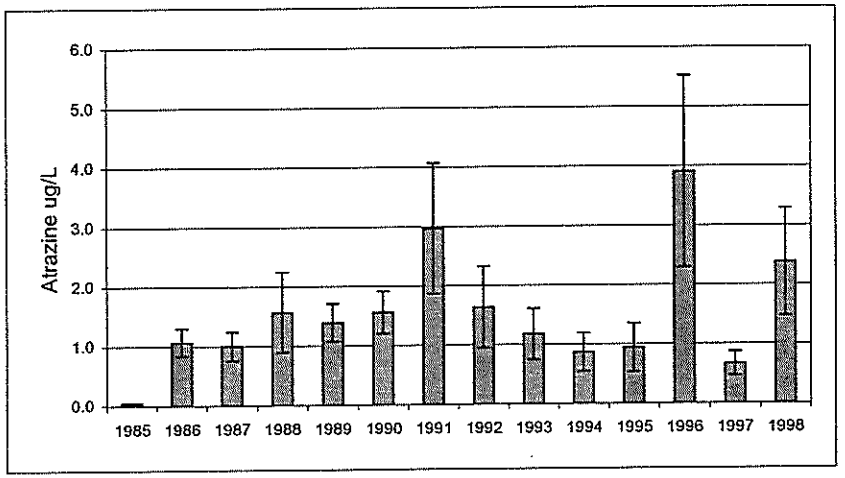
Dep Var: ATRAZINE N: 558 Multiple R: 0.199 Squared multiple R: 0.040

Analysis of Variance

Source	Sum of Sq	df	Mean-Squ	F-ratio	P
Year	326.007	13	25.077	1.734	0.051
Error	7865.579	544	14.459		

*** WARNING ***
Case115 is anoutlier(Studentized Residual6259)
Case351 is anoutlier(Studentized Residual10950)
Case410 is anoutlier(Studentized Residual4709)
Case430 is anoutlier(Studentized Residual9166)
Case431 is anoutlier(Studentized Residual4064)
Case555 is anoutlier(Studentized Residual9281)

Durbin-Watson D Statistic 1.755
First Order Autocorrelation 0.122
Using least squares means. Post Hoc test of ATRAZINE.



Using model MSE of 14.459 with 544 df.
Matrix of pairwise mean differences:

Number of samples:	11	54	67	66	69	65	38	28	30	31	24	23	18	30
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
1985	0													
1986	1.017	0												
1987	0.949	-0.068	0											
1988	1.518	0.501	0.569	0										
1989	1.341	0.324	0.392	-0.177	0									
1990	1.509	0.492	0.56	-0.009	0.168	0								
1991	2.916	1.898	1.966	1.398	1.575	1.406	0							
1992	1.585	0.567	0.635	0.067	0.244	0.076	-1.331	0						
1993	1.127	0.11	0.178	-0.391	-0.214	-0.382	-1.789	-0.458	0					
1994	0.814	-0.203	-0.135	-0.704	-0.527	-0.695	-2.102	-0.771	-0.313	0				
1995	0.89	-0.127	-0.059	-0.627	-0.451	-0.619	-2.025	-0.694	-0.237	0.077	0			
1996	3.854	2.837	2.905	2.336	2.513	2.345	0.939	2.27	2.727	3.04	2.964	0		
1997	0.617	-0.401	-0.333	-0.901	-0.724	-0.892	-2.299	-0.968	-0.51	-0.197	-0.274	-3.238	0	
1998	2.331	1.313	1.381	0.813	0.99	0.822	-0.585	0.746	1.204	1.517	1.44	-1.524	1.714	0

Appendix C. Pesticide Results Update. Results of ANOVA and TUKEY means tests for Atrazine at selected stations.

Tukey HSD Multiple Comparisons.
Matrix of pairwise comparison probabilities:

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
1985	1													
1986	1.000	1												
1987	1.000	1.000	1											
1988	0.995	1.000	1.000	1										
1989	0.998	1.000	1.000	1.000	1									
1990	0.995	1.000	1.000	1.000	1.000	1								
1991	0.600	0.486	0.376	0.874	0.736	0.872	1							
1992	0.997	1.000	1.000	1.000	1.000	1.000	0.982	1						
1993	1.000	1.000	1.000	1.000	1.000	1.000	0.813	1.000	1					
1994	1.000	1.000	1.000	1.000	1.000	1.000	0.567	1.000	1.000	1				
1995	1.000	1.000	1.000	1.000	1.000	1.000	0.741	1.000	1.000	1.000	1			
1996	0.242	0.128	0.089	0.382	0.253	0.379	1.000	0.687	0.348	0.175	0.296	1		
1997	1.000	1.000	1.000	1.000	1.000	1.000	0.693	1.000	1.000	1.000	1.000	0.275	1	
1998	0.902	0.961	0.932	1.000	0.996	0.999	1.000	1.000	0.995	0.957	0.984	0.976	0.966	1

REPORT DOCUMENTATION PAGE

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13. ABSTRACT (Maximum 200 words) This report provides a review and summarization of stream pesticide data collected by the Illinois EPA Ambient Water Quality Monitoring Network between October 1985 and December 1998. A list of sampling stations is provided in Appendix A along with data from the seven most commonly detected pesticides which are provided in Appendix B.

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