

Watershed Name Illinois River Watershed
Number of Sites 37
AWRC Publication No MSC354
Funding Agency Arkansas Natural Resources Commission through the Illinois River Watershed Partnership
Dates 9/1/09-5/30/09

Sample Date	Site Name	Site ID	Soluble Reactive P mg/L	Nitrate-N mg/L	Sulfate mg/L	Chloride mg/L	Fluoride mg/L	Total N mg/L	Total P mg/L	Total Suspended Solids mg/L	Turbidity NTU	Conductivity µS/cm
9/24/2008	Lake Wedington	1	0.041	1.19	2.9	2.5	0.050	6.28	0.864	4	4	176
9/25/2008	Ruby	2	0.049	2.86	14.8	10.6	0.082	2.04	0.110	9	10	303
9/1/2008	Goose Creek	3	0.726	5.58	35.9	31.2	0.434	6.28	0.154	13	14	452
9/23/2008	Upper Illinois	4	0.024	1.51	15.6	5.8	0.068	1.44	0.078	6	7	253
9/16/2008	Hamestring Creek	5	0.048	2.15	13.6	6.8	0.097	3.63	0.124	9	9	321
9/19/2008	Clear Creek	6	0.035	2.42	11.1	6.1	0.097	3.80	0.030	1	2	221
9/27/2008	Fish	7	0.033	2.46	12.1	8.9	0.102	2.65	0.022	3	3	317
9/9/2008	Robinson	8	0.056	2.11	12.7	7.0	0.070	2.20	0.078	6	8	282
9/21/2008	Wildcat	9	0.045	3.73	5.4	9.2	0.010	3.83	0.014	1	1	268
9/21/2008	Brush	10	0.029	3.17	4.1	5.2	0.068	4.92	0.050	6	5	246
9/9/2008	Lower Osage	11	0.105	3.59	15.1	12.1	0.100	3.63	0.080	3	5	321
9/29/2008	Upper Osage	12	0.067	3.56	17.4	20.3	0.198	2.70	0.096	4	7	397
9/9/2008	Galey	13	0.025	3.76	4.9	7.4	0.020	3.80	0.066	4	5	276
9/22/2008	Lick Branch	14	0.004	3.13	4.9	4.8	0.010	4.14	0.038	43	2	262
9/12/2008	Little Osage	15	0.032	5.19	5.3	6.7	0.043	4.92	0.038	43	2	300
9/27/2008	Spring	16	0.151	4.08	38.5	36.6	0.374	4.24	0.068	5	7	498
9/16/2008	Cross	17	0.080	3.97	4.7	5.4	0.087	4.14	0.046	5	7	255
9/16/2008	Puppy	18	0.036	4.13	4.6	5.4	0.026	3.41	0.032	1	2	328
9/8/2008	Muddy Fork	19	0.061	1.79	11.7	7.4	0.082	3.83	0.052	0	2	264
9/18/2008	Blair Creek	20	0.037	1.00	11.2	6.4	0.075	1.26	0.068	2	3	235
9/8/2008	Lower Moores	21	0.066	2.15	9.9	8.0	0.064	1.73	0.036	4	5	238
9/30/2008	Upper Moores	22	0.271	0.16	5.6	5.0	0.055	1.02	0.010	0	1	121
9/8/2008	Kinion	23	0.026	0.99	7.2	6.9	0.090	4.63	0.072	1	3	225
9/10/2008	Frances	24	0.011	1.09	7.7	9.6	0.030	4.44	0.072	0	1	263
	Gum Springs	25		-	-	-		-	-		-	-
9/26/2008	Chambers	26	0.048	1.95	5.3	7.1	0.055	4.42	0.062	0	1	237
9/9/2008	Pedro	27	0.016	0.73	3.5	3.4	0.059	1.31	0.050	4	3	196
	Gallatin	28		-	-	-		-	-		-	-
9/30/2008	Flint	29	0.023	3.42	7.6	7.6	0.031	2.99	0.070	2	4	246
9/30/2008	Little Flint	30	0.025	0.28	50.4	16.0	0.175	1.99	0.052	1	1	364
9/30/2008	Sager	31	0.032	3.08	8.1	8.0	0.041	2.65	0.056	3	3	235
9/24/2008	Cincinnati	32	0.056	4.27	8.1	8.2	0.063	4.24	0.166	1	1	311
9/24/2008	Wedington	33	0.067	4.64	6.6	9.8	0.038	4.44	0.084	5	6	313
9/24/2008	Ballard Creek	34	0.057	4.69	13.5	11.2	0.072	4.63	0.048	4	3	366
9/12/2008	Baron Fork	35	0.066	2.49	15.4	6.2	0.084	4.21	0.168	1	1	301
9/24/2008	Evansville	36	0.012	0.92	6.8	4.3	0.053	4.50	0.026	2	1	215
9/12/2008	Fly Creek	37	0.057	1.71	16.4	5.7	0.078	3.14	0.026	11	9	269
12/2/2008	Lake Wedington	1	0.022	0.61	2.2	3.1	0.069	0.45	0.038	2	3	216
12/7/2008	Ruby	2	0.025	2.41	19.9	18.4	0.204	2.60	0.054	3	5	391
12/7/2008	Goose Creek	3	0.075	2.17	14.1	12.9	0.140	3.28	0.118	1	3	486
12/13/2008	Upper Illinois	4	0.009	0.48	22.2	8.3	0.058	0.59	0.032	5	5	273
12/3/2008	Hamestring Creek	5	0.016	1.99	13.4	11.6	0.076	1.74	0.030	1	1	394
12/12/2008	Clear Creek	6	0.011	2.03	11.0	8.4	0.039	1.97	0.024	2	3	308
12/18/2008	Fish	7	0.023	2.13	16.7	12.6	0.124	2.35	0.042	1	1	348
12/6/2008	Robinson	8	0.020	4.37	23.4	26.2	0.175	1.91	0.034	0	1	351
12/7/2008	Wildcat	9	0.032	4.12	3.0	6.7	0.000	4.18	0.040	0	0	298
12/7/2008	Brush	10	0.022	4.98	29.2	32.8	0.234	4.03	0.028	1	1	290
12/6/2008	Lower Osage	11	0.154	4.46	3.2	8.2	0.000	4.24	0.168	0	0	422
12/7/2008	Upper Osage	12	0.374	4.78	28.0	31.6	0.149	4.90	0.410	1	1	452
12/6/2008	Galey	13	0.028	4.45	3.6	13.3	0.000	4.28	0.036	0	0	257
11/30/2008	Lick Branch	14	0.015	3.39	4.1	5.9	0.030	3.16	0.026	0	1	281
1/5/2009	Little Osage	15	0.054	4.29	4.4	6.8	0.048	4.40	0.034	2	2	301
12/18/2008	Spring	16	0.118	4.63	60.2	61.4	0.361	5.08	0.142	2	1	588
12/11/2008	Cross	17	0.024	4.75	2.8	6.3	0.041	4.46	0.032	0	1	375
12/11/2008	Puppy	18	0.019	3.52	22.7	11.9	0.051	3.61	0.044	5	9	402
12/7/2008	Muddy Fork	19	0.050	2.27	13.7	11.7	0.094	2.45	0.094	3	5	375
12/7/2008	Blair Creek	20	0.011	0.91	23.1	8.7	0.076	0.64	0.026	2	3	332
12/11/2008	Lower Moores	21	0.054	1.74	11.9	10.0	0.067	2.30	0.162	31	37	323
12/7/2008	Upper Moores	22	0.013	0.48	6.8	5.3	0.079	1.36	0.060	6	6	119
	Kinion	23										
12/18/2008	Frances	24	0.013	1.44	7.5	11.9	0.000	1.47	0.016	1	1	280
12/17/2008	Gum Springs	25	0.062	3.00	17.1	17.6	0.096	3.05	0.074	1	1	361
12/11/2008	Chambers	26	0.036	1.25	4.7	8.9	0.064	1.25	0.052	1	1	263
	Pedro	27										
	Gallatin	28										
12/18/2008	Flint	29	0.013	3.49	5.6	9.0	0.000	3.44	0.034	2	1	276
12/18/2008	Little Flint	30	0.028	0.37	56.8	16.8	0.171	0.45	0.034	2	2	386
12/18/2008	Sager	31	0.028	3.10	10.7	13.0	0.078	3.46	0.056	1	2	239
12/17/2008	Cincinnati	32	0.046	3.78	9.4	11.5	0.092	3.65	0.052	2	0	351
12/17/2008	Wedington	33	0.052	3.54	5.7	10.7	0.072	3.42	0.062	2	0	289
12/17/2008	Ballard Creek	34	0.027	3.01	17.6	13.9	0.105	3.05	0.042	3	1	404
12/3/2008	Baron Fork	35	0.036	1.33	9.0	6.0	0.078	1.17	0.046	0	0	245
12/17/2008	Evansville	36	0.010	0.73	10.0	5.4	0.070	0.73	0.018	1	0	234
12/18/2008	Fly Creek	37	0.023	2.02	23.9	7.3	0.067	2.00	0.030	1	0	318

3/27/2009	Lake Wedington	1	0.007	0.32	6.0	2.8	0.075	0.44	0.014	2	3	168
3/18/2009	Ruby	2	0.025	2.06	20.6	13.1	0.145	2.25	0.056	7	7	326
3/6/2009	Goose Creek	3	0.040	4.15	41.0	28.6	0.342	4.45	0.074	0	1	440
3/26/2009	Upper Illinois	4	0.015	0.72	14.7	4.6	0.087	0.90	0.060	7	20	186
3/6/2009	Hamestring Creek	5	0.014	1.88	16.1	11.2	0.054	2.06	0.040	1	2	350
4/1/2009	Clear Creek	6	0.011	1.75	13.3	7.4	0.065	1.97	0.040	6	8	280
3/31/2009	Fish	7	0.006	2.24	4.3	5.3	0.114	2.34	0.018	12	3	179
3/18/2009	Robinson	8	0.026	1.92	16.7	11.6	0.087	2.02	0.048	3	4	310
3/29/2009	Wildcat	9	0.041	3.39	5.6	7.0	0.027	4.12	0.048	1	3	255
3/29/2009	Brush	10	0.021	3.39	5.6	7.0	0.027	3.60	0.036	2	5	247
3/18/2009	Lower Osage	11	0.055	3.65	21.3	21.9	0.161	3.71	0.070	5	4	370
3/31/2009	Upper Osage	12	0.064	2.80	13.1	13.7	0.106	3.05	0.106	7	11	286
3/18/2009	Galey	13	0.018	4.48	3.7	7.4	0.000	4.31	0.036	1	1	273
3/31/2009	Lick Branch	14	0.016	3.78	4.8	5.2	0.000	3.87	0.020	3	3	250
3/30/2009	Little Osage	15	0.018	3.37	5.7	6.0	0.067	3.54	0.046	6	10	246
3/31/2009	Spring	16	0.105	3.42	29.1	18.9	0.171	3.66	0.158	17	19	369
4/1/2009	Cross	17	0.012	4.54	5.0	5.7	0.000	4.88	0.042	3	4	314
4/1/2009	Puppy	18	0.012	3.58	12.9	8.6	0.055	3.74	0.026	4	7	317
3/23/2009	Muddy Fork	19	0.072	1.27	22.2	10.5	0.065	1.70	0.158	12	14	309
3/10/2009	Blair Creek	20	0.008	0.68	18.9	7.7	0.080	0.85	0.030	3	5	249
3/23/2009	Lower Moores	21	0.038	1.23	15.8	10.0	0.057	1.62	0.098	5	7	229
3/30/2009	Upper Moores	22	0.024	0.56	11.2	7.8	0.098	1.13	0.130	11	14	125
3/23/2009	Kinion	23	0.007	0.40	14.7	8.5	0.060	0.84	0.072	8	7	261
4/1/2009	Frances	24	0.007	1.47	7.7	7.7	0.135	1.54	0.016	4	1	214
3/18/2009	Gum Springs	25	0.029	2.52	16.9	16.1	0.105	2.61	0.044	5	7	327
3/29/2009	Chambers	26	0.054	1.64	7.3	4.2	0.024	1.83	0.076	3	9	173
3/18/2009	Pedro	27	0.014	0.33	2.9	4.8	0.000	0.39	0.020	4	5	231
	Gallatin	28										
3/31/2009	Flint	29	0.014	3.51	7.4	8.4	0.079	3.78	0.026	1	3	262
3/31/2009	Little Flint	30	0.016	0.22	56.6	17.0	0.179	0.32	0.022	1	4	375
4/1/2009	Sager	31	0.148	1.71	11.4	8.8	0.110	2.13	0.254	9	15	228
3/18/2009	Cincinnati	32	0.053	3.76	7.7	10.3	0.059	3.73	0.084	2	2	315
3/31/2009	Wedington	33	0.050	2.60	13.1	6.8	0.063	3.57	0.078	2	8	262
3/18/2009	Ballard Creek	34	0.022	2.22	20.1	13.5	0.079	2.41	0.046	2	3	325
4/1/2009	Baron Fork	35	0.037	1.14	15.9	4.9	0.074	1.33	0.058	1	7	236
3/18/2009	Evansville	36	0.010	0.42	7.8	4.2	0.039	0.51	0.016	2	2	187
3/24/2009	Fly Creek	37	0.018	2.87	38.6	12.8	0.105	1.55	0.030	2	1	304
5/19/2009	Lake Wedington	1	0.010	0.48	4.6	2.8	0.261	0.52	0.028	1	2	142
5/21/2009	Ruby	2	0.059	2.69	13.5	8.2	0.081	2.81	0.078	5	6	267
5/19/2009	Goose Creek	3	0.234	3.92	24.8	13.4	0.215	3.93	0.236	1	2	362
5/20/2009	Upper Illinois	4	0.012	1.30	13.7	4.8	0.209	1.49	0.048	6	8	224
5/20/2009	Hamestring Creek	5	0.030	2.08	11.4	6.3	0.051	2.18	0.044	4	4	322
5/29/2009	Clear Creek	6	0.018	2.08	10.3	6.9	0.108	2.27	0.034	6	6	283
5/29/2009	Fish	7	0.047	2.30	12.5	7.7	0.071	2.48	0.074	6	8	280
5/10/2009	Robinson	8	0.080	1.68	10.9	4.8	0.145	2.00	0.158	20	25	208
5/26/2009	Wildcat	9	0.037	3.69	5.3	9.4	0.096	4.01	0.046	1	2	238
5/26/2009	Brush	10	0.027	3.44	4.1	6.1	0.112	3.53	0.034	4	3	236
5/10/2009	Lower Osage	11	0.077	3.67	10.3	7.8	0.054	3.80	0.102	11	12	266
5/20/2009	Upper Osage	12	0.055	4.41	13.6	16.1	0.095	4.28	0.074	1	3	344
5/10/2009	Galey	13	0.036	4.71	6.3	4.6	0.173	4.79	0.044	0	2	225
5/21/2009	Lick Branch	14	0.022	3.33	5.3	4.4	0.096	3.42	0.024	2	3	239
5/29/2009	Little Osage	15	0.030	5.56	5.2	6.8	0.121	5.55	0.036	3	5	283
5/29/2009	Spring	16	0.167	4.22	40.4	28.3	0.183	4.63	0.178	2	2	436
5/29/2009	Cross	17	0.019	4.40	4.2	5.6	0.125	4.51	0.032	2	3	330
5/29/2009	Puppy	18	0.021	3.78	9.9	8.6	0.123	3.81	0.034	11	13	316
5/29/2009	Muddy Fork	19	0.062	2.30	13.1	8.8	0.088	2.63	0.108	6	10	282
5/29/2009	Blair Creek	20	0.019	1.11	14.7	8.0	0.125	1.40	0.040	5	7	262
5/29/2009	Lower Moores	21	0.071	2.37	10.9	7.7	0.102	2.70	0.126	7	10	238
5/20/2009	Upper Moores	22	0.085	0.21	7.5	4.8	0.186	0.72	0.190	10	8	90
5/29/2009	Kinion	23	0.009	1.34	8.4	5.6	0.144	1.69	0.051	5	6	225
5/29/2009	Frances	24	0.012	1.16	8.5	6.4	0.127	-	-	-	1	214
5/29/2009	Gum Springs	25	0.054	3.03	11.0	9.8	0.099	-	-	-	6	286
5/26/2009	Chambers	26	0.035	1.70	5.3	6.0	0.118	1.70	0.056	3	5	210
5/10/2009	Pedro	27	0.006	0.18	3.4	1.8	0.166	0.16	0.018	1	4	104
5/20/2009	Gallatin	28	0.058	2.77	5.0	11.2	0.127	2.77	0.064	1	2	249
5/12/2009	Flint	29	0.037	4.09	8.4	6.0	0.078	4.08	0.074	11	13	225
5/12/2009	Little Flint	30	0.026	0.67	53.2	14.9	0.095	0.81	0.046	18	12	356
5/19/2009	Sager	31	0.061	2.43	9.5	7.5	0.215	2.54	0.076	2	3	226
5/19/2009	Cincinnati	32	0.052	3.92	8.8	6.7	0.157	3.93	0.070	2	2	273
5/19/2009	Wedington	33	0.054	4.68	7.1	8.1	0.168	4.67	0.076	2	3	263
5/19/2009	Ballard Creek	34	0.064	3.23	13.4	9.1	0.047	3.39	0.104	3	6	320
5/29/2009	Baron Fork	35	0.046	2.40	15.0	6.7	0.074	-	-	-	4	286
5/19/2009	Evansville	36	0.041	0.55	6.6	3.2	0.243	0.55	0.018	1	4	176
5/12/2009	Fly Creek	37	0.041	2.01	14.4	4.6	0.113	2.04	0.056	2	4	253