

2018

## Transect Survey

Corn Tillage

HUC8 Watershed #	Name	Total Transects	Avg. Soil Loss (ton/ac)	Avg. Soil Loss if all fields Conventionally Tilled (ton/ac)	No Till			Mulch Till			Reduced Till			Conventional Tillage		
					No.	%	Avg. Soil Loss (ton/ac)	No.	%	Avg. Soil Loss (ton/ac)	No.	%	Avg. Soil Loss (ton/ac)	No.	%	Avg. Soil Loss (ton/ac)
05120108	Little Vermilion	53	2.82	3.28	2	3.8%	0.31	4	7.5%	0.57	9	17.0%	2.22	38	71.7%	3.33
05120109	Vermilion (Wabash)	479	3.51	3.65	1	0.2%	0.53	5	1.0%	0.82	32	6.7%	2.50	441	92.1%	3.63
05120111	Middle Wabash-Bu	350	4.05	4.78	12	3.4%	0.80	38	10.9%	1.79	19	5.4%	2.14	281	80.3%	4.63
05120112	Embarras	1357	3.48	4.17	64	4.7%	0.87	91	6.7%	1.30	154	11.3%	2.92	1048	77.2%	3.91
05120113	Lower Wabash	473	7.19	9.61	32	6.8%	1.58	46	9.7%	2.56	120	25.4%	5.77	275	58.1%	9.24
05120114	Little Wabash	1047	4.95	6.39	109	10.4%	1.29	69	6.6%	2.25	91	8.7%	3.88	778	74.3%	5.83
05120115	Skilllet	283	5.37	8.31	70	24.7%	1.70	19	6.7%	2.93	22	7.8%	5.80	172	60.8%	7.08
05140202	Highland-Pigeon	6	5.25	5.25	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	6	0.0%	5.25
05140203	Lower Ohio-Bay	59	7.91	11.76	14	23.7%	5.51	7	11.9%	3.48	9	15.3%	11.73	29	49.2%	8.95
05140204	Saline	338	5.65	8.09	73	21.6%	3.82	38	11.2%	6.03	38	11.2%	6.28	189	55.9%	6.16
05140206	Lower Ohio	134	6.86	11.10	66	49.3%	2.65	9	6.7%	8.37	5	3.7%	7.06	54	40.3%	11.74
07060005	Apple-Plum	398	4.56	8.76	49	12.3%	1.95	201	50.5%	3.62	81	20.4%	5.79	67	16.8%	7.81
07080101	Copperas-Duck	275	3.57	7.57	101	36.7%	3.51	103	37.5%	2.78	58	21.1%	4.57	13	4.7%	5.77
07080104	Mississippi/North C	828	2.80	6.94	239	28.9%	1.84	288	34.8%	2.74	266	32.1%	3.56	35	4.2%	3.88
07090002	Middle Rock	1	2.51	2.51	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	1	0.0%	2.51
07090003	Pecatonica	532	2.81	5.51	122	22.9%	1.95	228	42.9%	2.12	118	22.2%	3.70	64	12.0%	5.26
07090004	Sugar	52	2.32	5.69	19	36.5%	2.16	18	34.6%	1.50	12	23.1%	3.46	3	5.8%	3.67
07090005	Lower Rock	1136	2.93	5.45	158	13.9%	1.97	429	37.8%	2.06	322	28.3%	3.15	227	20.0%	4.91
07090006	Kishwaukee	678	2.66	3.61	85	12.5%	0.89	120	17.7%	1.10	119	17.6%	2.50	354	52.2%	3.66
07090007	Greene	506	2.17	4.78	95	18.8%	0.87	177	35.0%	1.23	130	25.7%	2.29	103	20.4%	4.86
07110001	Bear-Wyaconda	218	3.47	6.81	14	6.4%	1.26	59	27.1%	1.73	110	50.5%	4.03	35	16.1%	5.56
07110004	The Sny	300	5.47	9.80	27	9.0%	1.45	76	25.3%	2.52	151	50.3%	6.37	46	15.3%	9.73
07110009	Perudue-Piasa	87	4.95	8.67	21	24.1%	1.36	11	12.6%	1.79	17	19.5%	5.64	38	43.7%	7.55
07120001	Kankakee	344	1.37	1.88	10	2.9%	0.42	73	21.2%	0.93	88	25.6%	1.32	173	50.3%	1.64
07120002	Iroquois	317	2.23	2.68	14	4.4%	0.42	27	8.5%	0.51	71	22.4%	1.38	205	64.7%	2.87
07120003	Chicago	6	0.70	1.81	0	0.0%	NA	4	66.7%	0.46	2	33.3%	1.18	0	0.0%	NA
07120004	Des Plaines	26	1.10	2.10	0	0.0%	NA	6	23.1%	1.52	19	73.1%	0.93	1	3.8%	1.75
07120005	Upper Illinois	472	1.95	2.40	31	6.6%	0.46	47	10.0%	0.76	112	23.7%	1.50	282	59.7%	2.49
07120006	Upper Fox	60	5.85	8.72	10	16.7%	1.85	18	30.0%	2.63	1	1.7%	5.64	31	51.7%	9.03
07120007	Lower Fox	352	2.47	3.16	25	7.1%	0.44	33	9.4%	1.05	99	28.1%	1.97	195	55.4%	3.23
07130001	Lower Illinois-Senac	876	1.45	3.43	172	19.6%	0.53	335	38.2%	1.11	237	27.1%	1.77	132	15.1%	2.97
07130002	Vermilion (Illinois)	454	2.71	3.52	52	11.5%	0.59	46	10.1%	0.85	43	9.5%	2.38	313	68.9%	3.38
07130003	Illinois_Lake Chaut	691	3.53	6.22	92	13.3%	1.00	172	24.9%	1.32	285	41.2%	3.74	142	20.5%	7.45

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07130004	Mackinaw	457	3.01	5.10	64	14.0%	0.81	98	21.4%	0.98	141	30.9%	3.29	154	33.7%	4.96
07130005	Spoon	873	2.92	7.15	172	19.7%	1.18	269	30.8%	1.67	417	47.8%	4.34	15	1.7%	5.84
07130006	Upper Sangamon	718	4.15	4.42	4	0.6%	1.43	22	3.1%	1.08	48	6.7%	2.89	644	89.7%	4.37
07130007	South Fork Sangarr	414	3.94	4.17	1	0.2%	0.57	11	2.7%	0.73	46	11.1%	2.57	356	86.0%	4.23
07130008	Lower Sangamon	484	2.84	5.78	155	32.0%	2.01	64	13.2%	1.92	183	37.8%	3.16	82	16.9%	4.41
07130009	Salt	870	3.30	5.43	160	18.4%	1.05	125	14.4%	1.21	238	27.4%	3.82	347	39.9%	4.73
07130010	LaMoine	635	4.49	6.64	112	17.6%	1.12	85	13.4%	1.42	180	28.3%	3.66	258	40.6%	7.54
07130011	Lower Illinois	1284	4.38	7.49	258	20.1%	1.95	148	11.5%	2.14	453	35.3%	4.25	425	33.1%	6.78
07130012	Macoupin	581	4.45	5.46	30	5.2%	1.35	55	9.5%	1.85	87	15.0%	3.51	409	70.4%	5.23
07140101	Cahokia-Joachim	186	4.00	8.37	5	2.7%	0.85	97	52.2%	2.97	23	12.4%	3.78	61	32.8%	5.98
07140105	Mississippi-Cape G	168	9.65	14.85	28	16.7%	4.23	18	10.7%	7.95	25	14.9%	11.48	97	57.7%	11.06
07140106	Big Muddy	518	7.48	10.99	83	16.0%	2.61	64	12.4%	3.60	95	18.3%	6.50	276	53.3%	10.19
07140108	Cache	86	13.62	19.70	22	25.6%	7.50	1	1.2%	23.32	8	9.3%	18.72	55	64.0%	15.15
07140201	Upper Kaskaskia	859	3.24	3.49	3	0.3%	0.33	6	0.7%	0.70	121	14.1%	2.91	729	84.9%	3.33
07140202	Middle Kaskaskia	656	3.73	4.16	20	3.0%	0.70	28	4.3%	1.54	43	6.6%	3.03	565	86.1%	4.00
07140203	Shoal	376	3.98	4.86	8	0.021	0.62	24	0.064	1.23	89	0.237	3.13	255	0.678	4.64
07140204	Lower Kaskaskia	542	4.54	6.79	29	5.4%	1.47	110	20.3%	2.35	86	15.9%	3.54	317	58.5%	5.86
	<b>Total</b>	<b>22895</b>	<b>4.09</b>	<b>6.26</b>	<b>2933</b>	<b>13.05%</b>	<b>0.74</b>	<b>4022</b>	<b>18.10%</b>	<b>1.21</b>	<b>5123</b>	<b>21.28%</b>	<b>2.02</b>	<b>10816</b>	<b>43.57%</b>	<b>2.78</b>