

2018

Transect Survey

Soybean 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	55	0.787	2.213	12	21.8%	0.184	26	47.3%	0.659	14	25.5%	1.138	3	5.5%	2.664
05120109	Vermilion (Wabash)	512	1.350	2.530	102	19.9%	0.172	98	19.1%	0.682	186	36.3%	1.368	126	24.6%	2.795
05120111	Middle Wabash-Busseron	416	2.210	4.699	100	24.0%	0.467	82	19.7%	1.258	135	32.5%	2.605	99	23.8%	4.220
05120112	Embarras	1413	1.732	3.493	289	20.5%	0.391	341	24.1%	1.125	493	34.9%	2.082	290	20.5%	3.186
05120113	Lower Wabash	568	2.042	5.924	256	45.1%	0.949	171	30.1%	1.721	67	11.8%	2.462	74	13.0%	6.185
05120114	Little Wabash	1366	1.838	4.443	540	39.5%	0.898	329	24.1%	1.550	222	16.3%	1.792	275	20.1%	4.068
05120115	Skillet	443	2.642	6.639	228	51.5%	1.623	74	16.7%	2.119	55	12.4%	3.149	86	19.4%	5.472
05140202	Highland-Pigeon	20	2.945	3.069	1	5.0%	0.330	0	0.0%	NA	0	0.0%	NA	19	0.0%	3.083
05140203	Lower Ohio-Bay	92	5.722	10.050	32	34.8%	1.234	4	4.3%	5.549	17	18.5%	5.737	39	42.4%	9.416
05140204	Saline	602	2.740	7.218	331	55.0%	1.512	72	12.0%	1.989	84	14.0%	4.704	115	19.1%	5.310
05140206	Lower Ohio	279	2.980	10.838	210	75.3%	1.636	17	6.1%	3.034	10	3.6%	7.226	42	15.1%	8.669
07060005	Apple-Plum	160	2.661	9.822	73	45.6%	1.125	69	43.1%	3.053	11	6.9%	6.795	7	4.4%	8.317
07080101	Copperas-Duck	173	1.748	6.897	107	61.8%	1.176	55	31.8%	2.212	9	5.2%	2.089	2	1.2%	18.077
07080104	Mississippi/North Central	649	1.220	5.583	331	51.0%	0.814	261	40.2%	1.519	50	7.7%	2.114	7	1.1%	2.910
07090002	Middle Rock	1	0.400	4.002	1	100.0%	0.400	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
07090003	Pecatonica	299	1.257	5.139	158	52.8%	0.748	124	41.5%	1.631	14	4.7%	3.201	3	1.0%	3.472
07090004	Sugar	36	1.459	5.443	22	61.1%	0.982	11	30.6%	1.897	2	5.6%	0.950	1	2.8%	8.161
07090005	Lower Rock	554	1.523	4.966	207	37.4%	0.772	235	42.4%	1.596	92	16.6%	2.430	20	3.6%	4.244
07090006	Kishwaukee	465	1.172	3.048	113	24.3%	0.486	235	50.5%	1.089	77	16.6%	1.750	40	8.6%	2.487
07090007	Greene	280	1.033	4.312	82	29.3%	0.739	149	53.2%	0.952	39	13.9%	1.461	9	3.2%	2.866
07110001	Bear-Wyaconda	233	1.141	5.072	97	41.6%	0.723	107	45.9%	1.146	18	7.7%	1.999	11	4.7%	3.384
07110004	The Sny	251	1.654	6.504	97	38.6%	0.779	114	45.4%	1.438	26	10.4%	3.804	14	5.6%	5.482
07110009	Perdue-Piasa	78	2.773	8.040	36	46.2%	1.031	25	32.1%	1.480	11	14.1%	4.037	6	7.7%	16.303
07120001	Kankakee	297	0.467	1.655	123	41.4%	0.287	126	42.4%	0.480	35	11.8%	0.656	13	4.4%	1.543
07120002	Iroquois	290	0.646	1.867	79	27.2%	0.224	131	45.2%	0.429	64	22.1%	1.075	16	5.5%	2.789
07120003	Chicago	15	0.767	2.748	4	26.7%	0.435	8	53.3%	0.697	3	20.0%	1.396	0	0.0%	NA
07120004	Des Plaines	48	0.701	1.716	10	20.8%	0.276	16	33.3%	0.469	22	45.8%	1.064	0	0.0%	NA
07120005	Upper Illinois	461	0.734	1.917	176	38.2%	0.224	165	35.8%	0.637	98	21.3%	1.187	22	4.8%	3.516
07120006	Upper Fox	46	2.101	6.440	11	23.9%	0.675	29	63.0%	1.559	0	0.0%	NA	6	13.0%	7.333
07120007	Lower Fox	247	0.970	2.732	96	38.9%	0.428	84	34.0%	0.861	53	21.5%	1.665	14	5.7%	2.711
07130001	Illinois-Senachwine	546	0.940	2.928	165	30.2%	0.425	266	48.7%	0.910	89	16.3%	1.432	26	4.8%	2.830
07130002	Vermilion (Illinois)	448	1.055	2.559	96	21.4%	0.334	201	44.9%	0.620	80	17.9%	1.278	71	15.8%	3.009
07130003	Illinois_Lake Chaute	614	1.013	4.471	339	55.2%	0.603	187	30.5%	1.064	69	11.2%	2.000	19	3.1%	4.245

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07130004	Mackinaw	507	0.948	3.593	186	36.7%	0.434	236	46.5%	0.931	67	13.2%	1.815	18	3.6%	3.250
07130005	Spoon	744	1.080	5.479	418	56.2%	0.630	259	34.8%	1.394	64	8.6%	2.587	3	0.4%	4.585
07130006	Upper Sangamon	730	1.489	3.486	88	12.1%	0.381	341	46.7%	0.922	231	31.6%	1.906	70	9.6%	4.271
07130007	South Fork Sangamon	364	1.597	3.182	39	10.7%	0.505	76	20.9%	0.935	201	55.2%	1.620	48	13.2%	3.438
07130008	Lower Sangamon	409	1.631	6.131	167	40.8%	0.573	169	41.3%	1.518	51	12.5%	3.028	22	5.4%	7.293
07130009	Salt	819	1.240	4.188	245	29.9%	0.628	374	45.7%	1.008	166	20.3%	1.971	34	4.2%	4.621
07130010	LaMoine	610	1.543	5.492	270	44.3%	0.511	221	36.2%	1.442	87	14.3%	3.353	31	5.1%	6.226
07130011	Lower Illinois	1226	1.694	6.087	533	43.5%	0.673	407	33.2%	1.532	202	16.5%	2.855	84	6.9%	6.166
07130012	Macoupin	542	1.503	4.433	187	34.5%	0.641	214	39.5%	1.304	94	17.3%	2.359	47	8.7%	4.131
07140101	Cahokia-Joachim	189	3.083	8.331	32	16.9%	1.474	89	47.1%	2.371	45	23.8%	4.331	23	12.2%	5.633
07140105	Mississippi-Cape Girardeau	270	3.534	8.334	138	51.1%	2.875	19	7.0%	2.981	23	8.5%	4.811	90	33.3%	4.336
07140106	Big Muddy	988	3.793	8.968	510	51.6%	2.340	177	17.9%	2.904	142	14.4%	5.601	159	16.1%	7.828
07140108	Cache	194	5.454	13.703	123	63.4%	3.217	11	5.7%	5.682	3	1.5%	9.431	57	29.4%	10.029
07140201	Upper Kaskaskia	861	1.599	3.260	87	10.1%	0.350	308	35.8%	1.140	416	48.3%	1.933	50	5.8%	3.810
07140202	Middle Kaskaskia	867	1.662	3.296	231	26.6%	0.462	231	26.6%	0.978	157	18.1%	1.828	248	28.6%	3.313
07140203	Shoal	329	1.993	3.974	46	14.0%	0.493	142	43.2%	0.848	51	15.5%	1.612	90	27.4%	4.781
07140204	Lower Kaskaskia	542	1.982	5.516	194	35.8%	0.898	174	32.1%	1.319	76	14.0%	2.752	98	18.1%	4.710
	Total	22148	1.805	5.129	8018	37.69%	0.402	7260	33.03%	0.746	4221	16.73%	1.284	2647	10.64%	2.472

