Monitoring/Water Quality Improvements Committee Update



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2018 DPR Biological Assessment Report

5 Sites with <u>FULL</u> Attainment Status!!!

First Des Plaines River
 Sites to achieve Full
 Attainment Status

Report will be available soon





	River	Drainage Area				Attainme		Turbidity	
Site ID	Mile	(mi.²)	fIBI	mIBI	QHEI	nt Status	TP (mg/L)	_	
13-6	109.3	123.67	33.5	33.0	58.5	NON - Fair	0.179	39.8	
13-5	106.6	137.29	29.5	20.7	50.0	NON - Poo	0.141	36.3	
13-4	102.9	145.55	26.5	29.9	59.0	NON - Fair	0.185	38.1	
13-18	99.72	213.17	30.0	35.9	47.0	NON-Fair			
13-19	99.3	212.87	30.0	35.9	79.0	NON - Fair			
13-3	98.7	220.29	33.5	53.7	74.0	Partial	0.140	21.7	
13-2	96.82	225.36	35.0	48.3	84.5	Partial	0.168	28.1	
13-1	94.2	232.03	42.5	60.7	78.5	FULL	0.235	27.1	
13-16	90.6	253.8	41.0	55.2	72.5	FULL			
16-6	87.1	261.41	42.0	54.7	74.0	FULL	0.252	13.0	
16-7	84.6	266.5	41.5	47.5	80.5	FULL			
16-5	83.6	268.07	32.5	56.0	67.0	Partial	0.261	12.4	
16-8	82.9	268.9	33.5	41.7	72.5	Partial			
16-4	80.0	273.21	37.0	52.0	70.0	Partial	0.378	10.7	
16-3	76.7	314.68	38.0	54.3	73.0	Partial	0.345	11.3	
16-2	75.4	323.96	42.0	55.2	59.8	FULL	0.379	15.1	
16-1	71.7	358.68	40.5	35.8	74.5	NON - Fair	0.271	12.4	
		E	· F0	- 70	- 04 5		10.106		1

	Excellent	<u>></u> 50	>73	>84.5	FULL	<u><</u> 0.106	
Condition Category	Good	>41-49	41.8-72.9	>75.9	FULL	0.106-0.27	<19.8
Thresholds	Fair	30-<41	30-41.7	<75.9	PARTIAL	> 0.277-1.02	18.8-25.9
illesilolus	Poor	>15-29	>15-29	<50.1	NON-Fair	>1.02-1.726	25.9-32.5
	Very Poor	<u><</u> 15	<u><</u> 15	<25.0	NON-Poo	<u>></u> 1.726	>32.5
Source	IPS	IEPA	IEPA	IPS	IPS	IPS	IPS

Site 13-6 Russel Road



Site 13-1 Hwy 120

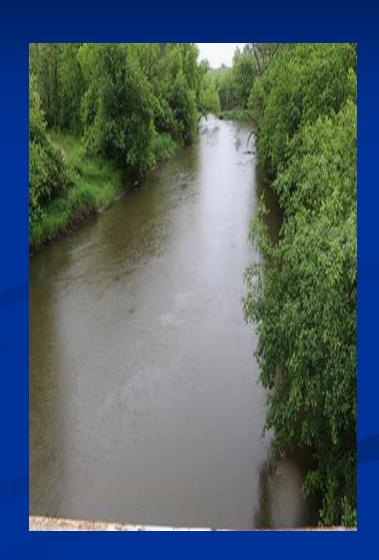


IPS Model Update

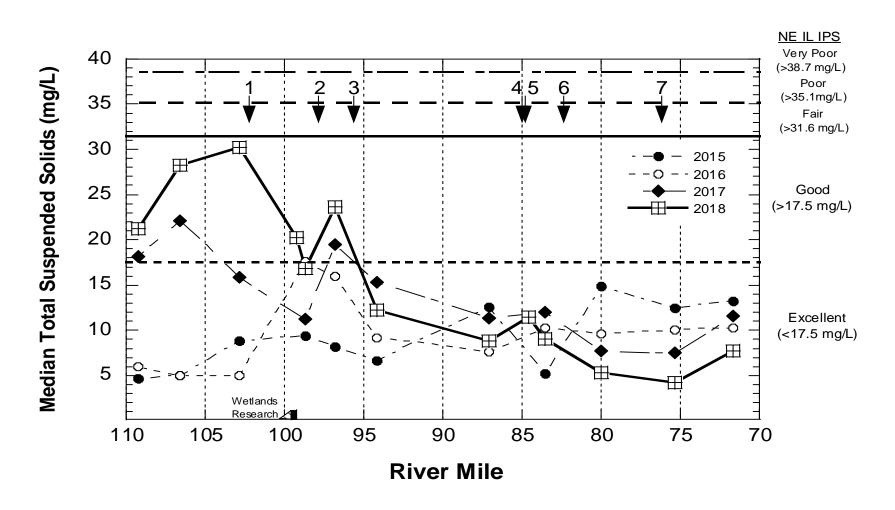
Integrated Prioritization System (IPS) Model

Collaboration of data from NE Illinois Watershed Groups

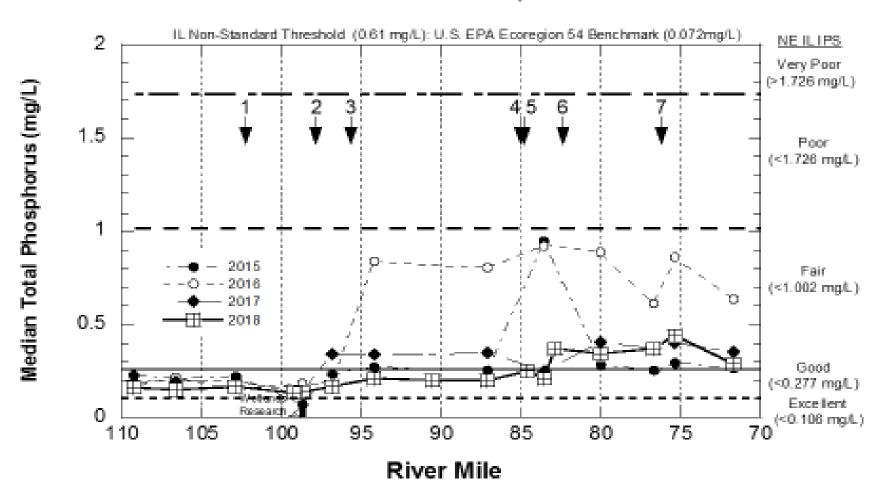
■ Draft of version 1.2 released last week.



IPS Evaluation of TSS Data



IPS Evaluation of Phosphorus Data



Poly-Aromatic Hydrocarbon (PAH) levels in Stream Sediment

- Elevated levels of PAH's continue to be found in sediments (up to 80,000 mg/kg).
- Distinct difference when comparing rural to urban sections of the watershed
- DRWW press release being developed to recommend communities to ban use of coal tar based sealants.
- Use of Low PAH alternative (asphalt —based) sealant should be encouraged.

Monitoring Strategy for 2020

- Nutrient Focused to meetNARP requirements.
- Maintain Elements for MS4Permit Compliance.



- Continuous Monitoring Program.
- Bi-annual Biological Assessment at 19 sites.

