

Original Research

Practical implications of Paul Younger's Technical and Managerial Guidelines for Catchment Scale Management in Ohio's coal bearing region: the relationship between water and sediment chemistry and biological recovery at a catchment scale

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Supplementary Materials

Table S1 62 Study Sites. Sediment data for 32 sites by Damdinbal (DM) and 30 sites by DeRose (DR) (2011), Hawkins (HK) (2015), Bedu-Mendah (BM) (2015), Schliech (SH) (2015), Korenowsky (KO) (2012).

Creek	Site ID	RKM	Descriptions	MAIS 2014	Zone 2006–2014	Data source
Thomas Fork	TF0015*	4.1	Downstream McElhinney	10	Transition	DM, BM
Thomas Fork	TF0030*	6.9	Intersect of SR7	9	Transition	DM, BM
Thomas Fork	TF0038*	0.0	Downstream of Union avenue	9	Transition	DM
Thomas Fork	TF0050*	8.8	Upstream mouth of East Branch	6	Transition	DM, BM
Thomas Fork	TF0068	11.5	Upstream of Ball Run	-	Impaired	BM
Thomas Fork	TF0090*	12.7	Upstream of foot trail bridge	14	Unimpaired	DM
Hewett Fork	HF010*	1.4	Main stem	16	Unimpaired	DM, KO BM, DR
Hewett Fork	HF039*	6.4	Main stem	16	Unimpaired	DM, SH KO, BM, DR
Hewett Fork	HF045	8.0	Main stem	16	Improved	SH, KO, BM, DR
Hewett Fork	HF060*	10.3	Main stem	13	Improved	DM, SH KO, BM, DR
Hewett Fork	HF075	11.8	Main stem	11	Improved	SH, KO, DR
Hewett Fork	HF090*	13.4	Main stem	11	Transition	DM, SH KO, BM, DR

Creek	Site ID	RKM	Descriptions	MAIS 2014	Zone 2006-2014	Data source
Hewett Fork	HF095*	15.8	Main stem	4	Impaired	DM, SH KO, BM
Hewett Fork	HF110	16.6	Trace Run	-	Impaired	SH, KO
Hewett Fork	HF120	17.4	Carbondale	-	Impaired	SH, KO
Hewett Fork	HF129	18.0	Main stem	-	Transition	SH, KO
Hewett Fork	HF130	17.7	Main stem	-	Impaired	SH, KO BM
Hewett Fork	HF137*	21.6	Main stem	13	Improved	DM, SH KO
Hewett Fork	HF190*	16.8	Main stem	8	Impaired	DM, SH KO, BD
East Branch	EB010	0.3	Main stem	14	Improved	HK
East Branch	EB047	5.9	Tick Ridge Rd	14	Improved	HK
East Branch	EB080	8.3	Mainstream EB, Dexter property	9	Transition	HK
East Branch	EB130	7.9	EB Mainstem at Coonville	-	Transition	HK
East Branch	EB150	8.9	Mainstem EB	6	Transition	HK
East Branch	EB170	9.0	West of SR56 Mainstem	7	Transition	HK
East Branch	EB190	0.3	Star Tributary	-	Impaired	HK
East Branch	EB194	2.9	Laurel Run Mainstem	-	Impaired	HK
East Branch	EB196	0.8	Laurel Run Mainstem	-	Impaired	HK
East Branch	EB197	2.6	Laurel Run Mainstem	-	Impaired	HK
East Branch	EB199.1	1.6	Laurel Run Mainstem	-	Impaired	HK
East Branch	EB199	2.7	Upstream of Treatments	-	Impaired	HK
East Branch	EB210	10.1	Mainstem EB	-	Impaired	HK
East Branch	EB211	11.6	Downstream of Poling SSLB	-	Impaired	HK
East Branch	EB212	12.07	Downstream of Yost SSLB	-	Impaired	HK
East Branch	EB250	12.8	Downstream of Cabin SSLB	-	Impaired	HK
East Branch	EB270	13.2	Upstream of Treatment	-	Impaired	HK
Raccoon Creek	MSBC010*	179.2	Raccoon Creek Mainstem	13	Improved	DM
Raccoon Creek	MSBC100*	168.3	Raccoon Creek Mainstem	13	Improved	DM
Raccoon Creek	MSBM004*	90.0	Raccoon Creek Mainstem	13	Improved	DM
Raccoon Creek	MSBM010*	144.0	RC Mainstem	15	Improved	DM
Little Raccoon Creek	LRC0080*	39.3	Downstream of Mulga Run	12	Improved	DM

Creek	Site ID	RKM	Descriptions	MAIS 2014	Zone 2006-2014	Data source
Little Raccoon Creek	LRC0071*	35.5	Downstream of the SR124	11	Improved	DM
Little Raccoon Creek	LRC0055*	31.3	Along Buckeye Furnace Rd	12	Improved	DM
Little Raccoon Creek	LRC0045*	30.0	Near Buckeye Furnace park	10	Improved	DM
Little Raccoon Creek	LRC0030*	20.4	On Keystone Rd bridge crossing	16	Unimpaired	DM
Little Raccoon Creek	LRC0010*	1.93	State Route 325 bridge	17	Unimpaired	DM
Monday Creek	JH00500*	42.6	Headwater	13	Improved	DM, BM
Monday Creek	MC00180*	6.92	Below Snake Hollow	11	Improved	DM
Monday Creek	MC00240*	11.7	Carbon Hill Buchtel Rd	13	Improved	DM
Monday Creek	MC00280*	15.0	Upstream	11	Improved	DM
Monday Creek	MC00300*	16.6	Upstream Bucks Bridge Inn	16	Unimpaired	DM
Monday Creek	MC00495	23.5	Downstream Lost Run	11	Improved	BM
Monday Creek	MC00580	31.5	Dans Run tributary	14	Unimpaired	BM
Monday Creek	MC00900	39.1	Upstream of Shawnee	12	Improved	BM
Monday Creek	MC00950*	40.7	McCuneville	12	Improved	DM, BM
Sunday Creek	SC075*	29.2	Upstream Tom Jenkins Dam	9	Transition	DM
Sunday Creek	SC076*	35.2	South Corning	8	Transition	DM
Sunday Creek	SC079*	38.6	Upstream Corning Seep	14	Improved	DM
Sunday Creek	WB003*	16.8	South of Drakes	11	Transition	DM, BM
Sunday Creek	WB004*	21.4	Sulphur Spring	11	Transition	DM, BM
Sunday Creek	WB51	18.3	Mainstem West Branch	9	Transition	BM
Sunday Creek	WBHW50*	23.6	WB Mainstem	11	Improved	DM