

# Huron Soil and Water Conservation District

8 Fair Road, Norwalk, Ohio 44857

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## HURON COUNTY DITCH MAINTENANCE PROGRAM

### GROUP PROJECT INSPECTION REPORT FOR 2023

JUNE , 2023

SUBMITTED BY:

Aaron Robinson

DITCH MAINTENANCE SUPERVISOR

HURON SOIL AND WATER CONSERVATION DISTRICT

**HURON SOIL & WATER CONSERVATION DISTRICT  
8 Fair Road, Norwalk, Ohio 44857  
(419) 668-4113 ext. 3**

**HURON COUNTY DITCH MAINTENANCE PROGRAM**

**2023 ANNUAL INSPECTION REPORT**

To Whom It May Concern:

All the groups on the county maintenance program are to be inspected annually (6137.06 Ohio Revised Code). The problems observed and/or repairs or maintenance needed are recorded. An estimate of the probable amount of funds needed for the repairs is determined for each project.

The inspections for all 90 projects on the maintenance program were completed in January through May 2023 by Aaron Robinson, Nathan Watt and owners.

A list of the maintenance work codes, estimated costs for each code, and the labor and equipment costs are included in this report.

For answers to the questions, you have about the 2023 annual inspection report and the ditch maintenance program, contact Aaron Robinson.

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**HURON COUNTY DITCH MAINTENANCE PROGRAM**

**JUNE 2023**

<b>Code</b>	<b>Types of maintenance work</b>	<b>Code</b>	<b>Types of maintenance work</b>
API	Access pipe installation	SBR	Silt bar removal
BCO	Bottom clean out	SBP	Stream bank protection
BSR	Bank sloughing repair	SDR	Stone and debris removal
BWD	Bank washout repair-dirt	SPI	Splash pad installation
BWP	Bank washout repair-pipe	SPB	Spray brush
BWR	Bank washout repair-rock	SPC	Spray cattails
CSD	Cut surface drain	SPL	Spoil leveling
AIN	Annual inspection	STB	Spot treat brush
MOW	Mowing	STR	Structure repair
MSC	Miscellaneous	TLR	Tile repair
RMB	Review maintenance bases	TRR	Tree removal
SDG	Seeding	WBR	Waterway or ditch bottom repair
RFL	Bank washout repair-rill fill	AGI	Animal guard installation
TP1	Tile outlet pipe installation (8" or smaller)		
TP2	Tile outlet pipe installation (10" or larger)		
GSP	Brush and broadleaf weed spraying-ground equipment		
IRP	Install riser pipe on tile main		

## HURON COUNTY DITCH MAINTENANCE PROGRAM

### ESTIMATED COSTS FOR 2023 ANNUAL INSPECTION REPORT

Code	Type of maintenance work	Estimated Cost
SBR	Silt bar removal	\$2.00/foot
BCO	Bottom clean out	\$1.00/foot
SBP	Stream bank protection	\$30.00/foot 601-C rip-rap
BSR	Bank sloughing repair	\$3.00/foot shaping and seeding
SDR	Stone and debris removal	\$115.00/hour 1 laborer + equip.
BWD	Bank washout repair-dirt	\$115.00/hour 1 laborer + equip.
SPI	Splash pad installation	\$36.00/ton
BWP	Bank washout repair-pipe	\$1,080 40' of 18" plastic (n12)
BWR	Bank washout repair-rock	\$36.00/ton
		Rill Fills; 3 ton = \$108.00
		Mini Rock Chute; 12 ton = \$432.00
		Reg. Rock Chute; 40 ton = \$1,440.00
GSP	Brush and weed spraying	\$700.00/mile
SPC	Spray cattails	\$200.00/mile
CSD	Cut surface drain	\$115.00/hour 1 laborer + equip.
TRR	Tree removal	\$115.00/hour 1 laborer + equip
STB	Spot treat brush	\$200.00/mile
SPL	Spoil leveling	\$115.00/hour 1 laborer + equip.
AIN	Annual inspection	\$175.00/mile
STR	Structure repair	\$36.00/ton rock chutes
AGI	Animal guard installation	\$30.00 each
TLR	Tile repair	\$15/foot
SDG	Seeding	\$130.00/hour 1 laborer + seed

## HURON COUNTY DITCH MAINTENANCE PROGRAM

### ESTIMATED COSTS FOR 2023 ANNUAL INSPECTION REPORT

Code	Type of maintenance work	Estimated Cost
TP1	Tile outlet pipe installation (8" or smaller)	\$150.00 each
TP2	Tile outlet pipe installation  (10" or larger)	10" = \$220.00  12" = \$280.00  15" = \$360.00  18" = \$540.00  24" = \$760.00
API	Access pipe installation	25' of 10" & 12"; \$600.00
IRP	Install riser pipe on tile main	\$600.00

### HURON SWCD LABOR AND EQUIPMENT COSTS FOR 2023

#### LABOR RATES:

Aaron Robinson	\$25.50/hour	Basic salary
Overhead cost	\$42.92/hour	This rate includes all indirect time and benefits, benefits for direct time, plus administrative charges

#### EQUIPMENT: (owned by Huron SWCD)

Kubota RTV	\$40.00/hour
Backhoe	\$40.00/hour
Chain saw	\$40.00/Day
Power pruner	\$40.00/day
Ford Dump Truck	\$1.53/mile
Dual tandem axle trailer	no charge

# HURON COUNTY DITCH MAINTENANCE PROGRAM

COURT HOUSE NUMBER	GROUP NAME	HURON SWCD NO.	TOWNSHIP	TYPE OF PROJECT	WATERSHED ACRES
=====	=====	=====	=	=====	=====
11-100	Beecher-Dalton	1	Wakeman	O	1,119.00
11-320	Hintz-Kluding	3	Bronson	O	365.13
11-700	Scheid-Ruffing	13	Peru, Sherman	O	724.63
11-600	Ruess-Hansberger	17	Bronson, Hartland	O	2,068.07
11-540	Parker-Vogel	23	Fairfield, Fitchville	O	1,616.89
11-900	Martin-Mitchell	29	Ridgefield	O	275.76
11-860	Yingling-Bollenbacher	31	Lyme, Sherman	O	1,161.88
11-660	Saunders-Marquis	34	New London, Fitchville	O	100.00
11-060	Ball-Swander	35	Lyme	O	511.60
11-820	Wahl-Myers	37	Sherman	O	207.00
11-150	Tester Lateral	39	Hartland	O	743.00
11-520	Palm-Vogel	42	Fairfield	O	1,164.68
11-680	Schaffer-Sparks	43	Peru	O	495.85
11-500	Norman-Fishbaugh	52	Bronson	O+W	402.71
11-230	Carpenter-Smith	60	Richmond	O	1,169.09
11-560	Phillips-Donnamiller	65	Norwich	O	378.26
11-160	Buurma-Hershiser	73	New Haven	O	444.77
11-210	Adams-Snay	74	Richmond	O	1,339.96
11-880	Latham County	76	Lyme, Sherman	O	2,121.13
11-200	Cawrse-Chandler	82	Fitchville, Hartland	O	401.02
11-480	Nagel-Preslan	85	Wakeman	O	344.50
11-300	Nagel-Seasley	91	Richmond	O	585.36
11-130	Hurst-Wolfe	93	Hartland, Townsend	O	2,522.96
11-940	Green Group	94	Lyme	O	1,155.08
11-250	Roth Group	95	Norwich	O	1,041.00
11-580	Feichtner Group	96	New Haven	O+W	841.71
11-180	Buurma-Holthouse	99	Richmond, New Haven	O	565.44
11-920	Setchel-Turner	104	Sherman, Thompson (Seneca)	O	1,017.99

# HURON COUNTY DITCH MAINTENANCE PROGRAM

COURT HOUSE NUMBER	GROUP NAME	HURON SWCD NO.	TOWNSHIP	TYPE OF PROJECT	WATERSHED ACRES
=====	=====	=====	=	=====	=====
11-290	Gates Group	105	Peru	O	183.91
11-440	Miller-French	106	Wakeman	O	454.94
11-780	Stacklin-Stockmaster	108	Norwich, Sherman, Reed (Seneca)	O	1,429.53
11-740	Smith-Tester	109	Clarksfield	O	228.33
11-640	Ruffing Group	110	Sherman	O	121.00
11-280	Gawron Group	113	Wakeman	O	237.17
11-260	Dalton-Stackhouse	117	Wakeman	W+T	121.87
11-760	Smith-West	118	Greenfield	O+T	530.34
11-840	Wolfe-Ward	119	Hartland, Fitchville	O	436.81
11-380	Lyon-Verburg	120	Ripley	O	701.21
11-340	Indian Creek	121	Hartland, Fitchville	O	4,043.00
11-360	Johannsen-Fritz	122	Hartland	O	568.49
11-140	Bridle-Wiles	123	New Haven	O	226.24
11-620	Ruess-Olcott	124	Bronson, Hartland	O	1,007.81
11-125	Buckingham Group	125	New Haven	O	403.71
11-720	Seel-Heyman	126	Ridgefield	O	103.00
11-460	Montgomery-Eitle	127	Richmond	O	174.63
11-800	Stone-Clayton	128	Ridgefield, Lyme	O	602.55
11-040	Adelman-Ott	129	Peru, Bronson, Ridgefield	W+T	812.81
11-240	Dalton-Dalton	130	Wakeman	W+T	115.80
11-400	Martin-McMahon	131	Ridgefield	O	776.50
11-120	Bilton Lateral	135	Hartland	O	216.71
11-190	Jackson-Garrett	136	Hartland, Fitchville	O	1,038.26
11-980	Bilton-Dunlap	138	Hartland, Clarksfield	O	296.30
11-070	Tester-Bilton	139	Hartland, Clarksfield	O	2,016.00
11-220	Chapin-Jackson	144	New London	O	564.40
11-970	Megginson Creek	147	Lyme, Sherman, Thompson (Seneca)	O	4,815.39

# HURON COUNTY DITCH MAINTENANCE PROGRAM

COURT HOUSE NUMBER	GROUP NAME	HURON SWCD NO.	TOWNSHIP	TYPE OF PROJECT	WATERSHED ACRES
=====	=====	=====	=	=====	=====
11-420	Martin-McMahon Lat.	157	Ridgefield	O	95.59
11-080	Barnes-Wacker	158	Clarksfield	O	231.67
11-090	Smith-Stotz	161	Peru, Greenfield	O	151.00
11-110	Allison-Davis	162	Hartland	O	147.36
11-030	McClaflin-Schmidt	163	Clarksfield	O	491.96
11-170	Donnamiller-Hay	164	Sherman, Norwich	O	129.00
11-050	Wolfe-Eitle	169	Richmond	O	182.00
11-310	Fischer-Krumwiede	182	Hartland, Townsend	O	170.00
11-470	Burras Group	186	Hartland	O	481.50
11-450	Smith-Scheid	190	Peru	O	40.35
11-430	Stockmaster-Puckett	191	Richmond	O	48.40
11-194	Roeder-Fitch	194	Ridgefield	O	273.07
11-195	Willard Diversion Ditch	195	Greenfield, New Haven	O	1,100.00
11-199	Sparks-Hutchinson	199	New Haven	O	254.88
11-214	Schmidt-Anderson	214	New London	O	47.00
11-223	Bartow-Griffin	223	Townsend	O	29.05
11-228	Skellinger Ditch	228	New London	O	590.83
11-257	Sutorious Way Ditch	257	Fitchville	O	39.97
11-258	Franklin-Adams	258	Fitchville	O	3,670.00
11-499	Coder-wector	500	Richmond	O	941.29
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TOTALS					56,226



# HURON COUNTY DITCH MAINTENANCE PROGRAM

COURT HOUSE NUMBER	GROUP NAME	HURON SWCD NO.	TYPE OF PROJECT	TILE LENGTH MILES	WATERSHED ACRES
11-238	Woodridge Estates	238	S	0.02	42.64
11-239	Danbury Crossing	239	S	0.88	42.38
11-035	Cherokee Village	240	S	0.73	20.90
11-241	The Reserve	241	S	0.34	21.31
TOTAL	4			1.97	127

## HURON COUNTY DITCH MAINTENANCE PROGRAM

COURT HOUSE NUMBER	GROUP NAME	HURON SWCD NO.	TYPE OF PROJECT	LENGTH MILES	WATERSHED ACRES
=====	=====	=====	=====	=====	=====
11-370	Wyandt-Cook	156	T	0.24	38.80
11-960	Ott-Lehner	165	T	0.47	108.00
11-350	Borzon-Gibson	179	T	0.53	28.26
11-203	Miller-Stacklin	203	T	0.15	22.90
11-490	Smith-Scheid	207	T	0.09	40.30
11-208	Webb-Phillips	208	T	0.63	62.59
11-221	Davis-Dagiau	221	T	0.44	30.20
11-256	Sutorious Way	256	T	0.46	38.66
11-045	D & K Enterprises	260	T	0.26	8.00
11-261	Spence Tile	261	T	0.17	12.93
11-269	Griffith-Brown Tile	269	T	0.19	15.20
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TOTALS	11			3.63	406



2020 ANNUAL INSPECTION REP

HURON SWCD NO.	AIN	TRR	GSP	STB	SPC	CSD	TP1/ TP2	API	FEET	FEET	FEET	SDR	SDG	FEET	REG. , MINI BWR	RFL	STRUCTURE REPAIR			TLR	IRP	MOW	Condition Good	
									BCO	SBR	SPL			BSR			ROCK CHUTE	ANIMAL GUARD	OTHER					
93	1	4	5.83		5.83														crossing				*	
94	1		2.25		2.25																			*
95	1		2.58		2.58				3,300															*
96	1		1.89		1.89																	3,400		*
99	1		0.63		0.63																	3000		*
104	1		1.14		1.14																			*
105	1	10	0.25		0.25																			*
106	1		0.61		0.61																			*
108	1		3.66		3.66																			*
109	1		0.32		0.32																			*
110	1		0.61		0.61																			*
113	1		0.78		0.78																			*
117	1		1.08		1.08																			*
118	1	10	1.22		1.22																			*
119	1	10	1.65		1.65																			*
120	1		0.7		0.7																			*
121	1		4.24		4.24				22,387								3							*
122	1		1.33		1.33									1								1400		*
123	1		0.57		0.57																			*
124	1	10	4.43		4.43														spray bottom					*
125	1	5	0.82		0.82																	1200		*
126	1		0.27		0.27																	800		*







**HURON  
SWCD  
NO.**

	<b>Assessment Percentage</b>	<b>Estimated Collection</b>
1	25%	\$ 2,085.34
3	15%	\$ 1,587.60
13	10%	\$ 1,834.21
17	10%	\$ 3,156.26
23	5%	\$ 1,471.76
		\$ -
29	10%	\$ 1,154.27
31	40%	\$ 10,050.70
34	40%	\$ 1,110.00
35	40%	\$ 5,288.76
37	40%	\$ 2,196.52
39	10%	\$ 1,244.56
42	10%	\$ 2,061.51
43	10%	\$ 1,224.10
52	10%	\$ 1,156.93
60	7%	\$ 1,558.51
65	40%	\$ 2,303.44
73	10%	\$ 823.50
74	State Min	\$ 2.00
76	10%	\$ 4,717.41
82	4%	\$ 452.08
85	20%	\$ 1,850.00
91	15%	\$ 1,206.27
93	1%	\$ 652.51
94	5%	\$ 1,355.04
95	2%	\$ 347.16
96	3%	\$ 743.55
99	2%	\$ 212.24
104	10%	\$ 732.56
105	10%	\$ 510.70
106	40%	\$ 2,021.80



108	10%	\$	3,434.49
109	40%	\$	1,000.04
110	20%	\$	778.27
113	15%	\$	1,092.85
117	1%	\$	353.36
118	5%	\$	1,240.58
119	10%	\$	2,190.06
120	10%	\$	968.08
121	5%	\$	2,927.05
122	1%	\$	141.28
123	10%	\$	734.11
124	10%	\$	1,693.60
125	5%	\$	1,336.52
126	15%	\$	547.88
127	6%	\$	480.73
128	10%	\$	2,321.52
129	15%	\$	1,022.49
130	1%	\$	33.67
131	10%	\$	870.26
135	10%	\$	992.62
136	10%	\$	1,883.37
138	10%	\$	1,176.83
139	12%	\$	1,947.31
144	40%	\$	3,200.89
147	3%	\$	4,191.73
156	15%	\$	744.48
157	12%	\$	353.15
158	40%	\$	1,712.40
161	40%	\$	1,415.20
162	5%	\$	839.27
163	10%	\$	739.16
164	25%	\$	1,277.53
165	5%	\$	259.32
<b>169</b>	40%	\$	1,586.84
179	12%	\$	921.21
182	10%	\$	1,151.54
186	10%	\$	887.24
190	40%	\$	771.75
191	25%	\$	451.23
194	40%	\$	698.24

195	5%	\$	4,000.00
199	40%	\$	1,585.48
203	40%	\$	686.70
207	40%	\$	321.60
208	20%	\$	1,714.90
214	40%	\$	713.52
221	40%	\$	1,675.53
223	40%	\$	1,080.00
228	1%	\$	171.03
238	10%	\$	1,000.00
239	40%	\$	8,000.00
240	10%	\$	2,000.00
241	5%	\$	1,000.00
256	10%	\$	522.90
257	40%	\$	955.72
258	40%	\$	9,405.60
260	40%	\$	2,093.04
261	10%	\$	550.00
269	8%	\$	836.00
500	2%	\$	1,020.99
		\$	144,812.41