

Huron Soil and Water Conservation District

8 Fair Road, Norwalk, Ohio 44857

Phone: (419)668-4113 ext. 3

Fax: (419)663-8405

WWW.HURONSWCD.COM



HURON COUNTY DITCH MAINTENANCE PROGRAM

GROUP PROJECT INSPECTION REPORT FOR 2022

JUNE , 2022

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

2022 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, March, April and May 2022 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 2022 annual inspection report and the ditch maintenance program, contact Aaron Robinson.

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

HURON COUNTY DITCH MAINTENANCE PROGRAM

JUNE 2022

Code	Types of maintenance work	Code	Types of maintenance work
=====			
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 2022 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 2022 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 2022

LABOR RATES:

Aaron Robinson	\$22.00/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

BASIC INFORMATION FOR SUB DIVISIONS AS OF 6-21-2021
FOR 2021 ANNUAL INSPECTION REPORT 6-21-2021

COURT HOUSE NUMBER =====	GROUP NAME =====	HURON SWCD NO. =====	TOWNSHIP =	TYPE OF PROJECT =====	LENGTH MILES =====	WATERSHED ACRES =====
11-100	Beecher-Dalton	1	Wakeman	O	1.25	1,119.00
11-320	Hintz-Kluding	3	Bronson	O	1.38	365.13
11-700	Scheid-Ruffing	13	Peru, Sherman	O	2.69	724.63
11-600	Ruess-Hansberger	17	Bronson, Hartland	O	4.39	2,068.07
11-540	Parker-Vogel	23	Fairfield, Fitchville	O	2.89	1,616.89
11-900	Martin-Mitchell	29	Ridgefield	O	1.22	275.76
11-860	Yingling-Bollenbacher	31	Lyme, Sherman	O	2.48	1,161.88
11-660	Saunders-Marquis	34	New London, Fitchville	O	0.23	100.00
11-060	Ball-Swander	35	Lyme	O	1.33	511.60
11-820	Wahl-Myers	37	Sherman	O	0.72	207.00
11-150	Tester Lateral	39	Hartland	O	1.31	743.00
11-520	Palm-Vogel	42	Fairfield	O	1.19	1,164.68
11-680	Schaffer-Sparks	43	Peru	O	0.72	495.85
11-500	Norman-Fishbaugh	52	Bronson	O+W	1.34	402.71
11-230	Carpenter-Smith	60	Richmond	O	1.86	1,169.09
11-560	Phillips-Donnamiller	65	Norwich	O	0.87	378.26
11-160	Buurma-Hershiser	73	New Haven	O	1.45	444.77
11-210	Adams-Snay	74	Richmond	O	1.91	1,339.96
11-880	Latham County	76	Lyme, Sherman	O	6.17	2,121.13
11-200	Cawrse-Chandler	82	Fitchville, Hartland	O	1.33	401.02
11-480	Nagel-Preslan	85	Wakeman	O	0.76	344.50
11-300	Nagel-Seasley	91	Richmond	O	0.78	585.36
11-130	Hurst-Wolfe	93	Hartland, Townsend	O	5.83	2,522.96
11-940	Green Group	94	Lyme	O	2.25	1,155.08
11-250	Roth Group	95	Norwich	O	2.58	1,041.00
11-580	Feichtner Group	96	New Haven	O+W	1.89	841.71
11-180	Buurma-Holthouse	99	Richmond, New Haven	O	0.63	565.44
11-920	Setchel-Turner	104	Sherman, Thompson (Seneca)	O	1.14	1,017.99

HURON COUNTY DITCH MAINTENANCE PROGRAM

BASIC INFORMATION FOR SUB DIVISIONS AS OF 6-21-2021
FOR 2021 ANNUAL INSPECTION REPORT 6-21-2021

COURT HOUSE NUMBER =====	GROUP NAME =====	HURON SWCD NO. =====	TOWNSHIP =	TYPE OF PROJECT =====	LENGTH MILES =====	WATERSHED ACRES =====
11-290	Gates Group	105	Peru	O	0.25	183.91
11-440	Miller-French	106	Wakeman	O	0.61	454.94
11-780	Stacklin-Stockmaster	108	Norwich,Sherman,Reed (Seneca)	O	3.66	1,429.53
11-740	Smith-Tester	109	Clarksfield	O	0.32	228.33
11-640	Ruffing Group	110	Sherman	O	0.61	121.00
11-280	Gawron Group	113	Wakeman	O	0.78	237.17
11-260	Dalton-Stackhouse	117	Wakeman	W+T	1.08	121.87
11-760	Smith-West	118	Greenfield	O+T	1.22	530.34
11-840	Wolfe-Ward	119	Hartland, Fitchville	O	1.65	436.81
11-380	Lyon-Verburg	120	Ripley	O	0.7	701.21
11-340	Indian Creek	121	Hartland, Fitchville	O	4.24	4,043.00
11-360	Johannsen-Fritz	122	Hartland	O	1.33	568.49
11-140	Bridle-Wiles	123	New Haven	O	0.57	226.24
11-620	Ruess-Olcott	124	Bronson, Hartland	O	4.43	1,007.81
11-125	Buckingham Group	125	New Haven	O	0.82	403.71
11-720	Seel-Heyman	126	Ridgefield	O	0.27	103.00
11-460	Montgomery-Eitle	127	Richmond	O	0.49	174.63
11-800	Stone-Clayton	128	Ridgefield, Lyme	O	2.33	602.55
11-040	Adelman-Ott	129	Peru, Bronson, Ridgefield	W+T	0.32	812.81
11-240	Dalton-Dalton	130	Wakeman	W+T	0.19	115.80
11-400	Martin-McMahon	131	Ridgefield	O	0.47	776.50
11-120	Bilton Lateral	135	Hartland	O	0.8	216.71
11-190	Jackson-Garrett	136	Hartland, Fitchville	O	1.78	1,038.26
11-980	Bilton-Dunlap	138	Hartland, Clarksfield	O	0.7	296.30
11-070	Tester-Bilton	139	Hartland, Clarksfield	O	1.55	2,016.00
11-220	Chapin-Jackson	144	New London	O	0.97	564.40
11-970	Megginson Creek	147	Lyme,Sherman,Thompson(Seneca)	O	12.14	4,815.39

HURON COUNTY DITCH MAINTENANCE PROGRAM

BASIC INFORMATION FOR SUB DIVISIONS AS OF 6-21-2021
 FOR 2021 ANNUAL INSPECTION REPORT 6-21-2021

COURT HOUSE NUMBER	GROUP NAME	HURON SWCD NO.	TOWNSHIP	TYPE OF PROJECT	LENGTH MILES	WATERSHED ACRES
=====	=====	=====	=	=====	=====	=====
11-420	Martin-McMahon Lat.	157	Ridgefield	O	0.45	95.59
11-080	Barnes-Wacker	158	Clarksfield	O	0.49	231.67
11-090	Smith-Stotz	161	Peru, Greenfield	O	0.12	151.00
11-110	Allison-Davis	162	Hartland	O	0.42	147.36
11-030	McClaflin-Schmidt	163	Clarksfield	O	0.3	491.96
11-170	Donnamiller-Hay	164	Sherman, Norwich	O	0.26	129.00
11-050	Wolfe-Eitle	169	Richmond	O	0.21	182.00
11-310	Fischer-Krumwiede	182	Hartland, Townsend	O	0.71	170.00
11-470	Burras Group	186	Hartland	O	0.47	481.50
11-450	Smith-Scheid	190	Peru	O	0.07	40.35
11-430	Stockmaster-Puckett	191	Richmond	O	0.14	48.40
11-194	Roeder-Fitch	194	Ridgefield	O	0.15	273.07
11-195	Willard Diversion Ditch	195	Greenfield, New Haven	O	0.92	1,100.00
11-199	Sparks-Hutchinson	199	New Haven	O	0.59	254.88
11-214	Schmidt-Anderson	214	New London	O	0.08	47.00
11-223	Bartow-Griffin	223	Townsend	O	0.22	29.05
11-228	Skellinger Ditch	228	New London	O	1.55	590.83
11-257	Sutorious Way Ditch	257	Fitchville	O	0.36	39.97
11-258	Franklin-Adams	258	Fitchville	O	1.78	3,670.00
11-499	Coder-wector	500	Richmond	O	2.52	13,325.00
-----	-----	-----	-	-----	-----	-----
TOTALS					108.68	68,610

HURON COUNTY DITCH MAINTENANCE PROGRAM

BASIC INFORMATION FOR SUB DIVISIONS AS OF 6-21-2021
 FOR 2021 ANNUAL INSPECTION REPORT 6-21-2021

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
-----	-----	-----	-----	-----	-----
TOTALS	10			3.44	391

HURON COUNTY DITCH MAINTENANCE PROGRAM

BASIC INFORMATION FOR SUB DIVISIONS AS OF 6-21-2021
 FOR 2021 ANNUAL INSPECTION REPORT 6-21-2021

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 SWCD NO.	COURT HOUSE NUMBER	Collection Estimated	
		Percent	Dollar Amount
1	11-100	6%	\$ 500.48
3	11-320	10%	\$ 1,058.40
13	11-700	2%	\$ 366.84
17	11-600	10%	\$ 3,156.26
23	11-540	6%	\$ 1,766.11
29	11-900	10%	\$ 1,154.27
31	11-860	10%	\$ 2,512.68
34	11-660	20%	\$ 555.00
35	11-060	5%	\$ 661.10
37	11-820	40%	\$ 2,196.52
39	11-150	12%	\$ 1,493.47
42	11-520	5%	\$ 1,030.76
43	11-680	7%	\$ 856.87
52	11-500	7%	\$ 809.85
60	11-230	5%	\$ 1,113.22
65	11-560	11%	\$ 633.45
73	11-160	10%	\$ 823.50
74	11-210	state min	\$ 2.00
76	11-880	10%	\$ 4,717.41
82	11-200	10%	\$ 1,130.20
85	11-480	11%	\$ 1,017.50
91	11-300	2%	\$ 160.84
93	11-130	2%	\$ 1,305.02
94	11-940	10%	\$ 2,710.07
95	11-250	2%	\$ 347.16
96	11-580	10%	\$ 2,478.50
99	11-180	1%	\$ 106.12
104	11-920	10%	\$ 732.56
105	11-290	10%	\$ 510.70
106	11-440	3%	\$ 151.64
108	11-780	10%	\$ 3,434.49
109	11-740	40%	\$ 1,000.04
110	11-640	12%	\$ 466.96
113	11-280	10%	\$ 728.57
117	11-260	10%	\$ 3,533.58
118	11-760	8%	\$ 1,984.92

119	11-840	8%	\$	1,752.04
120	11-380	10%	\$	968.08
121	11-340	5%	\$	2,927.05
122	11-360	12%	\$	1,695.34
123	11-140	10%	\$	734.11
124	11-620	40%	\$	6,774.38
125	11-125	5%	\$	1,336.52
126	11-720	10%	\$	365.25
127	11-460	40%	\$	3,204.85
128	11-800	12%	\$	2,785.82
129	11-040	15%	\$	1,022.49
130	11-240	20%	\$	673.40
131	11-400	12%	\$	1,044.31
135	11-120	10%	\$	992.62
136	11-190	5%	\$	941.68
138	11-980	10%	\$	1,176.83
139	11-070	10%	\$	1,622.76
144	11-220	10%	\$	800.22
147	11-970	4%	\$	5,588.97
156	11-370	20%	\$	992.64
157	11-420	40%	\$	1,177.16
158	11-080	40%	\$	1,712.40
161	11-090	40%	\$	1,415.20
162	11-110	8%	\$	1,342.83
163	11-030	11%	\$	813.08
164	11-170	12%	\$	613.21
165	11-960	2%	\$	103.73
169	11-050	12%	\$	476.05
179	11-350	10%	\$	767.68
182	11-310	10%	\$	1,151.54
186	11-470	2%	\$	177.45
190	11-450	10%	\$	192.94
191	11-430	40%	\$	721.96
194	11-194	40%	\$	698.24
195	11-195	5%	\$	4,000.00
199	11-199	12%	\$	475.64
203	11-203	40%	\$	686.70
207	11-490	40%	\$	321.60
208	11-208	10%	\$	857.45

214	11-214	12%	\$	214.06
221	11-221	40%	\$	1,675.53
223	11-223	40%	\$	1,080.00
228	11-228	2%	\$	342.06
238	11-238	3%	\$	300.00
239	11-239	40%	\$	8,000.00
240	11-035	10%	\$	2,000.00
241	11-241	2%	\$	400.00
256	11-256	20%	\$	1,045.80
257	11-257	40%	\$	955.72
258	11-258	10%	\$	2,351.40
260	11-045	12%	\$	627.91
261	11-261	10%	\$	550.00
269	11-269	5%	\$	522.50
500	11-499	1%	\$	510.49
			\$	122,886.74