

2020 ANNUAL REPORT

Selkirk Lake Drain

2020 Innovation and Excellence Award



ALLEGAN COUNTY DRAIN COMMISSIONER

County Courthouse

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269.673.0396

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The Allegan County Drain Commissioner is charged with diverse responsibilities as regulated by several public acts:

THE DRAIN OFFICE

The Michigan Drain Code (Act 40 of Public Acts of 1956, as amended) is the law that governs the responsibilities of the Drain Commissioner. The Drain Commissioner, Denise Medemar, and staff are responsible for the operation and maintenance of more than 820 established county drains and storm water management systems in Allegan County. This Act requires strict adherence in regard to mailings, meetings, and public notification.

In 2020, 225 drains experienced activity, ranging from establishing new drains to inspections and routine maintenance of existing drains. Of those 225 drains, 116 drainage districts were assessed. The total amount assessed, \$1,732,013.26, was spread to 33 of the 35 Allegan County municipalities, the County at large and for road benefit, the Michigan Department of Transportation for State Highway benefit, and the railway systems that traverse our County.

The Drain Office provides Payoff Requests for Drain Special Assessments for parcel owners and title companies as well as providing assistance throughout the county on drains and flood complaints. Any flooding situations should be immediately reported to the Drain Office at 269-673-0440. Requests for drain maintenance or improvements should also be directed to this number.

DRAIN MAINTENANCE CREW

The Drain Maintenance Crew consists of a Maintenance Supervisor and a Drain Maintenance worker. The Drain Maintenance worker position was inactive from March to July due to COVID restrictions and vacant from July 27, 2020 forward. Maintenance activities by the maintenance crew include ditch bottom cleaning, tree clearing, debris removal, beaver dam removal, erosion repair, herbicide treatment, and repair of broken pipe on a tile drain. Maintenance is accomplished by using hand tools and small power equipment. In 2020, this form of maintenance was completed on 66 drains.

The Earned Release Program (ERP) and <u>Detail Enabling Better Transition</u> to <u>Society</u> (DEBTS) were initiated by the Sheriff's Department as measures to help address jail overcrowding. In 2020, the Drain Maintenance Crew utilized the DEBTS program and cleaned 17 drains and also provided Storm Inspections. Contractors were hired to clean 49 drains that required larger equipment. Approximately 136 drains in Allegan County and the five

adjacent counties of Barry, Kalamazoo, Kent, Ottawa, and Van Buren were inspected or maintained.

BOARD OF PUBLIC WORKS

The Allegan County Board of Public Works was established and organized under Act 185 of 1957, as amended. In Allegan County the Board of Public Works has seven members that include the Drain Commissioner and six other members appointed by the County Board of Commissioners. The Drain Commissioner is the elected Secretary for the Board of Public Works with Drain Office staff providing administrative support.

The majority of our county's municipal water supply and/or sewage collection and disposal systems were constructed and/or improved using the provisions allowed under Act 185. By utilizing the County's bond rating, a local municipality receives more favorable and affordable financing for these types of public works projects. The County of Allegan/Board of Public Works is the owner of record for the project until the incurred debt is paid in full.

In 2020 there were five active debt service accounts that involved eight municipalities. Debt Service payments are billed to and paid biannually by the affected municipalities. A total of \$995,464.76 in principal, interest, and fees was collected and paid for the year 2020.

INLAND LAKE LEVEL PROJECTS

Part 307 of the Natural Resources and Environmental Protection Act, (Act 451 of 1994), provides for the determination, establishment, and maintenance of the normal height and level of inland lakes in Michigan. Part 307 also requires inspection every three years of all lake level control structures on inland lakes that have normal levels established under this Act. Inspections must be performed by a licensed professional engineer and a copy of the inspection report must be submitted to the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

The County Board of Commissioners delegates administrative duties to the Drain Commissioner to oversee lake level projects and required inspections. Allegan County has six established lake levels: Base Line Lake, Dumont Lake, Miner Lake, Monterey Lake, Osterhout Lake, Pine Creek Lake, and Pine Lake with Barry County. In 2020 there were no Dam Safety Inspections.

INLAND LAKE IMPROVEMENT BOARDS

Part 309 of the Natural Resources and Environmental Protection Act, (Act 451 of 1994), provides for the improvement of certain inland lakes; authorizes the dredging and removal of undesirable materials from lakes; authorizes the payment of improvement costs and related expenses through special assessment to properties within an established district; and specifies the county drain commissioner, or his/her designee, to serve as a member of the lake board.

Allegan County has an established lake improvement board for Gun Lake, Hutchins Lake, Lower Scott Lake and Miner Lake. In Allegan County, lake improvement boards have been established primarily for aquatic plant control and abatement of water quality issues.

GENERAL DEVELOPMENTS

There were 21 General Development plans submitted for Storm Water Management Plan review and approval, at the request of various Townships, as follows:

223 Hubbard St., Allegan
Agri-med Provisioning, Saugatuck Twp
Auto Parts Direct, Overisel Twp
Blue Star Dispensary, Saugatuck Twp
Dollar General, Leighton Twp
Gaslight Estates, Saugatuck Twp
M-40 Crushed Concrete, Fillmore Twp
Multi-Tenant Bldg, Gun Plains Twp
Noah Court, Dorr Twp
Teddy's Transport II, Holland
West Michigan Forklift, Leighton Twp

933 Interchange Drive, Holland Allegan County Courthouse, Allegan Black Gold Transport, Dorr Twp Classic Transport, Leighton Twp Fennville Pub School Stadium, Fennville Just a Mere Road, Saugatuck Twp M-40/143rd Parcel, Fillmore Twp Newhof Construction, Leighton Twp Plainwell Middle School Add, Plainwell Village Self Storage Exp, Fillmore Twp

MOBILE HOME PARKS

Public Act 419 of 1976, the Mobile Home Commission Act, requires that a person who desires to develop a mobile home park shall submit a preliminary plan to the appropriate municipality, local health department, county road commission, and county drain commissioner for preliminary approval. The Drain Commissioner shall review and may approve outlet drainage to ensure that development of the proposed mobile home park does not cause flooding offsite. In 2020, there were no reviews submitted.

SITE CONDOMINIUMS

Act 59 of 1978, the Condominium Act, requires that written notice of intent to construct a condominium project be provided to the appropriate city, village, township, or county, the County Road Commission and the County Drain Commissioner. The Drain Commissioner received two storm water management reviews for 2020:

Boat Slip Condominium, City of Saugatuck West Center Planned Unit Development, City of Douglas

SUBIVISION DEVELOPMENT

Public Act 288 of 1967, as amended, the Land Division Act, provides the main regulatory mechanism to ensure that subdivisions meet the standards set by local governmental officials.

The role of the Drain Commissioner under this Act is to ensure that adequate storm water facilities are designed, constructed, and maintained to ensure that landowners within the subdivision are protected from flooding and that the development does not cause an increase in flooding outside of the subdivision.

The Drain Commissioner requires that the plat proprietor/developer provide for adequate storm water facilities. Section 433 of the Michigan Drain Code provides for the construction of a drainage system by the developer to serve a newly established plat and the subsequent establishment of a drainage district in relation to the storm water facility. The drainage system is constructed according to specifications and standards set by the Drain Commissioner. Upon completion, the system can then be remanded to the Drain Commissioner as an established county drain using a formal document known as a 433 Agreement. In 2020, four plat developments were submitted:

Grandview Estates Plat, Wayland Twp Harvest Meadows III/IV, Dorr Twp Paris Ridge V, Leighton Twp Pearl Street Land Split, Wayland Twp

MS4 PERMIT

In 2016, the Allegan County Drain Commissioner was required to apply for an NPDES Jurisdictional Permit for storm water discharges from a regulated municipal separate storm sewer system (MS4). This permit required the creation of a Storm Water Management Plan composed of six major sections: Public Education Program, Public Involvement and Participation, Illicit Discharge Elimination Program, Post Construction Storm Water Management Program, Construction Storm Water Runoff Control, and Pollution Prevention/Good Housekeeping Standards.

From 2017 to 2020 the Allegan County Drain Commissioner's Office worked with the Macatawa Area Coordinating Council, in coordination with other County Departments, to review and update plan components per MDEQ's initial comments. In 2019, the MS4 permit was submitted to EGLE. As of the end of 2020, the Stormwater Site Development Plan was near completion.

SAW GRANT

In December 2017, the Drain Office received notification that the SAW Grant offered through the Michigan Department of Environmental Quality, which we initially submitted in 2013 with Board of Commissioner approval on Thursday, November 14, 2013, was approved. The amount is \$120,000 which the grant will reimburse ninety percent (\$108,000) with a ten percent local match (\$12,000). The Saw Grant had an end date of December 1, 2020 which was extended to March 31, 2021. The original application provided funding to clean and televise six drains, provide GIS hardware/software training, and records scanning. As of December 31, six drains have been televised and technology decisions have been made.

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	No.	Drain Name	5	a d	dd	oai	ng	g	etit	Sp	Sp	ec	anc	ite et	-	SSe	SSe	
	514	South State Road & Clyde	10	<		<u> </u>	ш	 m	10_	1=	1=	I≥	<u> </u>	<u></u>	10	▼	A	Additional Detail/Information
	809	Southpointe Trails (433 agreement)	-	_	 	1	1		 	1	+	-	 	-	-		 	
	515	Spencer-Otis-Dennis					1		1			1						
· umar	652	Sperry																
	516	Spotts																
	521	Spreitzer		_		ļ		ļ			1							
.	519 520	Spring Brook Spring Run & Extension	-	 			-	ļ	 	-	-	 	 	_	ļ			
	524	Steffens Steffens		_	-	╁	-	 	-		├				├			
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Street	530 531	Sturm					_	ļ		ļ								
ı	719	Sulaski Summer Creek Estates #2 (433 agreet)		+-	+	 	 	-				-		ļ			<u> </u>	
	722	Sunny View Estates -(433 agreet)	+	+	+	 	 								\vdash		-	
	732	Sunny View Estates #2 (433 agree't)	1	1	1	1	1	-	 	<u> </u>		 		<u>.</u>	-		 	
	798	Sunquest Acres (433 agree't)									<u>L</u>							
	759	Sunset Shores																
ŀ	713 728	Superior Plat - (433 agree't)	-	+	-	_	<u> </u>											
- 1	532	Superior Plat #2 - (433 agreet) Sutherland		-	-	-	-	<u> </u>	_		<u> </u>				$\vdash \vdash \vdash$			
•	535	Symons			+				<u> </u>			 	-		-			
Ĺ	712	Tanglewood - (433 agree't)		†	 	<u> </u>					-							
	537	Tanis																
	536	Tanner																
•	538 539	Taylor Taylor			-	ļ												
	541	Terrill		-														
ı	791	Terravita Site Condo	1	 	 			_										
	743	The Reserve - (433 agreet)																
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		Trowbridge-Cheshire										-		-		-+		
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L		Vida																
-		Virginia Park IC						_										
-		Voss Wadsworth								-		+						
Ī		Wadsworth Canal & Birkholz								 	-				-			
	575	Waldron																
١.	817	Walker																
-		Ward & Ext. Warner				\dashv												
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	582	Watson Truck Line								-+	-+			-				
	721	Wayland Meadows					أور						-+					THE CONTRACTOR OF THE CONTRACT
-	583	Weber																
		Weeks				\Box			T	Ţ								
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-	588	Welsh & Wait																
	787	West Shore Woods (433 agreement)																

Semes		Drain Name	Problem reported	Application/Petition Requester	Application/Petition Returned	Board of Determination	Engineering	Bids/Proposals requested	Petition Construction	Inspection Routine 3 Yr.	Inspection Completed	Mechanical Cleaning	Hand Cleaning-Drain Crew	Letter to Traversed Owners	Culverts Repaired/Replaced	Assess 2019	Assess 2020	Additional Detail/Information
_		West Wind Village Drain																
-		Wilcox																
Lames .		Wild Flower Ridge																
L		Wilkie		<u></u>					$\overline{}$									
L		Wilkinson		<u> </u>														
		Wilks																
		Willow																
		Wilson		ļ														
L		Wind & Woods Petition																
		Winks & Branch																
		Wolf																
		Wolf - Levett - Bauer																
_		Wolf - Plat																
Francis	793	Woodridge Estates (433 agreement)																
Г		Wyman																
	655	Youngs	l	ŀ														

Drain #	Drain Name	Township, City, Village	Year of Year	
015.001	Auli	Clyde, Fennville City	10 of 10	¢ 0.074.04
016.001	Austin & Branch	Cheshire, Trowbridge		•
020.001	Barr	Saugatuck		\$ 5,939.94 \$ 5,400.00
021.001	Baseline Intercounty	Otsego, Trowbridge - VAN BUREN		\$ 5,400.00
022.001	Baseline Lake	Trowbridge		\$ 6,862.45
690.001	Base Line Lake Intercounty	Lee - VAN BUREN		\$ 5,950.00
025.001	Bates	Dorr		\$ 1,385.80
039.001	Berkel & Ext.	Heath		\$ 11,264.00
043.001	Black Creek IC	Overisel, Salem, KENT, OTTAWA	,	\$ 6,153.00
047.900	Blain	Dorr		12,241.58
049.900	Blain #2	Dorr		1,225.00
057.001	Brainard & Pease	Otsego		850.00
060.001	Brennen	Cheshire		8,326.17
061.900	Bridge Acres	Otsego	2 of 3 1 of 1	
062.900	Bridge Acres #1	Otsego		
064.001	Brouwer	Salem	1 of 1 \$ 1 of 2 \$	
077.001	Burch & Phillips	Casco, Lee	•	
085.001	Byron-Dorr Intercounty	Dorr, Leighton, Salem - KENT		
096.001	Cheshire # 3 & Branch #1	Cheshire, Trowbridge, Lee, Valley	,	
099.900	Cheshire #7	Cheshire		•
113.001	Cheshire #23	Cheshire	•	
115.001	Cheshire #26	Cheshire	•	•
123.001	Coffey	Monterey, Overisel, Salem	· · · · · · · · · · · · · · · · · · ·	•
124.001	Colburn	Cheshire, Trowbridge	•	1
128.001	Cook & Chappell	Leighton	•	
624.001	Cook & Johnson	Leighton	•	
134.001	Cuddy Intercounty	Wayland - BARRY	•	•
135.001	Culver	Martin, Martin Village	5 of 15 \$	
155.001	Dokey	Lee	1 of 1 \$	•
156.900	Dolegowski	Dorr	2 of 2 \$	•
767.001	Dorr Commerce	Dorr	1 of 1 \$	• • • • • • •
825.001	Dumont Lake Level Control	Allegan, Monterey	1 of 1 \$	•
166.001	Duncan Lake Intercounty	Leighton-BARRY, KENT	4 of 10 \$,
168.001	East Fillmore	Fillmore, Overisel	1 of 2 \$	•
686.001	East Lake	Hopkins, Monterey	1 of 1 \$	•
174.001	Elm Creek	Casco, Clyde, Ganges, Lee	1 of 2 \$	-,
		Casco, Ciyac, Canges, Lee	2 of 2 \$	24,854.90

181,001	Drain #	Drain Name	Township, City, Village	Year of Year		
Flesher & Snyder					Φ	0.200.00
Flora No. 2						•
199.001		•				•
214.001 Gilbert-Wademan					•	
T34.001 Glenn Shores						•
221.001 Goldspring					•	
220.001 Golf					-	
228.900 Gray & Bastian Dorr 1 of 1 \$ 2,000.00 229.001 Green & Branch Salem 1 of 1 \$ 15,230.00 233.001 Gulch & Branch Dorr 1 of 1 \$ 3,575.00 790.001 Gun Lake Cove Wayland-433 Agreement 1 of 1 \$ 4,816.00 234.001 Gun River Intercounty GunPlain/Martin/Otsego/Watson/Wayland/Martin Village/Otsego&Plainwell-BARRY 1 of 1 \$ 97,336.47 252.002 Heck Overisel 1 of 1 \$ 97,336.47 252.002 Heck Hopkins 1 of 3 \$ 11,926.68 705.001 Hidden Forest Dorr -433 Agreement 1 of 1 \$ 5,513.00 269.001 Hoffman, Harrington, Truax Dorr, Hopkins 1 of 1 \$ 1,1926.68 273.900 Holt Hopkins, Monterey, Hopkins Village 6 of 10 \$ 15,935.71 280.01.1 Hopkins Station Hopkins, Monterey, Hopkins Village 6 of 10 \$ 15,935.71 280.01.2 Jager Crane Saugatuck, City of Douglas 6 of 10 \$ 6,720.78 296.903 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>·</td></td<>						·
229.001 Green & Branch Salem 1 of 1 \$ 15,230.00 233.001 Gulch & Branch Dorr 1 of 1 \$ 3,575.00 790.001 Gun Lake Cove Wayland-433 Agreement 1 of 1 \$ 4,816.00 234.001 Gun River Intercounty GunPlain/Martin/Oisego/Watson/Wayland/Martin Village/Oisego&Plainwell-BARRY 1 of 1 \$ 97,336.47 252.002 Heck Overisel 1 of 1 \$ 3,533.00 253.001 Heibel Hopkins 1 of 3 \$ 11,926.68 705.001 Hidden Forest Dorr -433 Agreement 1 of 1 \$ 5,513.00 269.001 Hoffman, Harrington, Truax Dorr, Hopkins 1 of 1 \$ 1,000.00 273.900 Holt Martin 1 of 1 \$ 1,000.00 273.901 Holt Martin 1 of 1 \$ 1,000.00 278.001.1 Hopkins Station Hopkins, Monterey, Hopkins Village 6 of 10 \$ 29,187.84 820.001 Kay Drive Dorr Saugatuck, City of Douglas 6 of 10 \$ 29,187.84 820.001 Kally Lake Inter					-	•
233.001 Gulch & Branch Dorr 1 of 1 \$ 3,575.00 790.001 Gun Lake Cove Wayland-433 Agreement 1 of 1 \$ 4,816.00 234.001 Gun River Intercounty GunPlain/Martin/Otsego/Watson/Wayland/Martin Village/Otsego&Plain/well-BARRY 1 of 1 \$ 97,336.47 252.002 Heck Overisel 1 of 1 \$ 97,336.47 252.001 Heibel Hopkins 1 of 3 \$ 11,926.68 705.001 Hidden Forest Dorr -433 Agreement 1 of 1 \$ 15,513.00 269.001 Hoffman, Harrington, Truax Dorr, Hopkins 1 of 1 \$ 14,192.96 273.900 Holt Martin 1 of 1 \$ 1,000.00 278.001.1 Hopkins Station Hopkins, Monterey, Hopkins Village 6 of 10 \$ 15,935.71 288.001 Jager Crane Saugatuck, City of Douglas 6 of 10 \$ 29,187.84 820.001 Kay Drive Dorr 4 of 10 \$ 29,20.78 296.903 Kelly Lake Intercounty Laketown - OTTAWA 6 of 15 \$ 50,292.60 302.001 Kleinhe		•				
790.001 Gun Lake Cove Wayland-433 Agreement 1 of 1 \$ 4,816.00 234.001 Gun River Intercounty GunPlain/Martin/Oisego/Watson/Wayland/Martin Village/Oisego&Plainwell-BARRY 1 of 1 \$ 97,336.47 252.002 Heck Overisel 1 of 1 \$ 3,533.00 253.001 Heibel Hopkins 1 of 3 \$ 11,926.68 705.001 Hidden Forest Dorr -433 Agreement 1 of 1 \$ 5,513.00 259.001 Hoffman, Harrington, Truax Dorr, Hopkins 1 of 1 \$ 1,4192.96 273.900 Holt Martin 1 of 1 \$ 1,000.00 278.001.1 Hopkins Station Hopkins, Monterey, Hopkins Village 6 of 10 \$ 15,935.71 288.001 Jager Crane Saugatuck, City of Douglas 6 of 10 \$ 29,187.84 820.001 Kay Drive Dorr 4 of 10 \$ 29,207.8 296.903 Kelly Lake Intercounty Laketown - OTTAWA 6 of 15 \$ 50,292.60 302.001 Kleinheksel & Raven Fillmore, Manilius 1 of 1 \$ 9,689.00 704.001						•
234.001 Gun River Intercounty GunPlaIn/Martin/Oisego/Watson/Wayland//Martin Village/Oisego&PlaInwell-BARRY 1 of 1 \$ 3,533.00 253.001 Heibel Hopkins 1 of 3 \$ 11,926.68 705.001 Heibel Dorr -433 Agreement 1 of 3 \$ 11,926.68 705.001 Holden Forest Dorr -433 Agreement 1 of 1 \$ 5,513.00 269.001 Hoffman, Harrington, Truax Dorr, Hopkins 1 of 1 \$ 14,192.96 273.900 Holt Martin 1 of 1 \$ 1,000.00 278.001.1 Hopkins Station Hopkins, Monterey, Hopkins Village 6 of 10 \$ 15,935.71 288.001 Jager Crane Saugatuck, City of Douglas 6 of 10 \$ 29,187.84 820.001 Kay Drive Dorr 4 of 10 \$ 26,020.78 296.903 Kelly Lake Intercounty Laketown - OTTAWA 6 of 15 \$ 50,292.60 302.001 Kleinheksel & Raven Fillmore, Manlius 1 of 1 \$ 13,413.07 311.001 Kuipers & Branch Fillmore, Laketown 1 of 1 \$ 9,834.00 318.001 Lee Lee 6 of 10 \$ 33,425.72 319.001 Leggett & Sargent Clyde, Fennville City<						
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705.001 Hidden Forest Dorr -433 Agreement 1 of 1 \$ 5,513.00 269.001 Hoffman, Harrington, Truax Dorr, Hopkins 1 of 1 \$ 14,192.96 273.900 Holt Martin 1 of 1 \$ 1,000.00 278.001.1 Hopkins Station Hopkins, Monterey, Hopkins Village 6 of 10 \$ 15,935.71 288.001 Jager Crane Saugatuck, City of Douglas 6 of 10 \$ 29,187.84 820.001 Kay Drive Dorr 4 of 10 \$ 26,020.78 296.903 Kelly Lake Intercounty Lakedown - OTTAWA 6 of 15 \$ 50,292.60 302.001 Kleinheksel & Raven Fillmore, Manlius 1 of 1 \$ 13,413.07 311.001 Kuipers & Branch Fillmore, Laketown 1 of 1 \$ 13,413.07 318.001 Lee Saugatuck 1 of 1 \$ 9,834.00 318.001 Lee Lee 6 of 10 \$ 33,425.72 319.001 Leggett & Sargent Clyde, Fennville City 1 of 2 \$ 6,362.05 322.001 Leighton #1 Leighton <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
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288.001 Jager Crane Saugatuck, City of Douglas 6 of 10 \$ 29,187.84 820.001 Kay Drive Dorr 4 of 10 \$ 26,020.78 296.903 Kelly Lake Intercounty Laketown - OTTAWA 6 of 15 \$ 50,292.60 302.001 Kleinheksel & Raven Fillmore, Manlius 1 of 1 \$ 13,413.07 311.001 Kuipers & Branch Fillmore, Laketown 1 of 1 \$ 9,669.00 704.001 Lakeshore #2 Saugatuck 1 of 1 \$ 9,669.00 318.001 Lee Lee 6 of 10 \$ 33,425.72 319.001 Leigett & Sargent Clyde, Fennville City 1 of 2 \$ 6,362.05 322.001 Leighton #1 Leighton 1 of 1 \$ 11,535.00 344.001 McConnell Dorr 1 of 2 \$ 12,847.53 351.001 McVean Gun Plain, Martin, Otsego, Watson, Martin Village 1 of 1 \$ 5,824.00 352.001 Maetman-Jaarda Fillmore, Manlius, Holland City 4 of 5 \$ 70,341.87 362.001 Martin-Watson Martin, Watson 1 of 1 \$ 8,225.00 373.002 Miner Lake					•	*
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302.001 Kleinheksel & Raven Fillmore, Manlius 1 of 1 \$ 13,413.07 311.001 Kuipers & Branch Fillmore, Laketown 1 of 1 \$ 9,669.00 704.001 Lakeshore #2 Saugatuck 1 of 1 \$ 9,834.00 318.001 Lee 6 of 10 \$ 33,425.72 319.001 Leggett & Sargent Clyde, Fennville City 1 of 2 \$ 6,362.05 322.001 Leighton #1 Leighton 1 of 1 \$ 11,535.00 344.001 McConnell Dorr 1 of 2 \$ 12,847.53 351.001 McVean Gun Plain, Martin, Otsego, Watson, Martin Village 1 of 1 \$ 5,824.00 352.001 Maatman-Jaarda Fillmore, Manlius, Holland City 4 of 5 \$ 70,341.87 362.001 Martin-Watson Martin, Watson 1 of 1 \$ 11,222.00 371.001 Miller-McKeown Ganges 1 of 1 \$ 8,225.00 373.002 Miner Lake Level Control Allegan 4 of 10 \$ 38,156.16 374.001 Mineral Springs & Hilbert Hopkins, Wayland, Wayland City 1 of 1 \$ 18,882.00					•	
311.001 Kuipers & Branch Fillmore, Laketown 1 of 1 \$ 9,669.00 704.001 Lakeshore #2 Saugatuck 1 of 1 \$ 9,834.00 318.001 Lee 6 of 10 \$ 33,425.72 319.001 Leggett & Sargent Clyde, Fennville City 1 of 2 \$ 6,362.05 322.001 Leighton #1 Leighton 1 of 1 \$ 11,535.00 344.001 McConnell Dorr 1 of 2 \$ 12,847.53 351.001 McVean Gun Plain, Martin, Otsego, Watson, Martin Village 1 of 1 \$ 5,824.00 352.001 Maatman-Jaarda Fillmore, Manlius, Holland City 4 of 5 \$ 70,341.87 362.001 Martin-Watson 1 of 1 \$ 11,222.00 371.001 Miller-McKeown Ganges 1 of 1 \$ 8,225.00 373.002 Miner Lake Level Control Allegan 4 of 10 \$ 38,156.16 374.001 Mineral Springs & Hilbert Hopkins, Wayland, Wayland City 1 of 1 \$ 18,882.00		•			•	· ·
704.001 Lakeshore #2 Saugatuck 1 of 1 \$ 9,834.00 318.001 Lee Lee 6 of 10 \$ 33,425.72 319.001 Leggett & Sargent Clyde, Fennville City 1 of 2 \$ 6,362.05 322.001 Leighton #1 Leighton 1 of 1 \$ 11,535.00 344.001 McConnell Dorr 1 of 2 \$ 12,847.53 351.001 McVean Gun Plain, Martin, Otsego, Watson, Martin Village 1 of 1 \$ 5,824.00 352.001 Maatman-Jaarda Fillmore, Manlius, Holland City 4 of 5 \$ 70,341.87 362.001 Martin-Watson Martin, Watson 1 of 1 \$ 11,222.00 371.001 Miller-McKeown Ganges 1 of 1 \$ 8,225.00 373.002 Miner Lake Level Control Allegan 4 of 10 \$ 38,156.16 374.001 Mineral Springs & Hilbert Hopkins, Wayland, Wayland City 1 of 1 \$ 18,882.00			,		-	
318.001 Lee Lee 6 of 10 \$ 33,425.72 319.001 Leggett & Sargent Clyde, Fennville City 1 of 2 \$ 6,362.05 322.001 Leighton #1 Leighton 1 of 1 \$ 11,535.00 344.001 McConnell Dorr 1 of 2 \$ 12,847.53 351.001 McVean Gun Plain, Martin, Otsego, Watson, Martin Village 1 of 1 \$ 5,824.00 352.001 Maatman-Jaarda Fillmore, Manlius, Holland City 4 of 5 \$ 70,341.87 362.001 Martin-Watson 1 of 1 \$ 11,222.00 371.001 Miller-McKeown Ganges 1 of 1 \$ 8,225.00 373.002 Miner Lake Level Control Allegan 4 of 10 \$ 38,156.16 374.001 Mineral Springs & Hilbert Hopkins, Wayland, Wayland City 1 of 1 \$ 18,882.00		-				•
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344.001 McConnell Dorr 1 of 2 \$ 12,847.53 351.001 McVean Gun Plain, Martin, Otsego, Watson, Martin Village 1 of 1 \$ 5,824.00 352.001 Maatman-Jaarda Fillmore, Manlius, Holland City 4 of 5 \$ 70,341.87 362.001 Martin-Watson 1 of 1 \$ 11,222.00 371.001 Miller-McKeown Ganges 1 of 1 \$ 8,225.00 373.002 Miner Lake Level Control Allegan 4 of 10 \$ 38,156.16 374.001 Mineral Springs & Hilbert Hopkins, Wayland, Wayland City 1 of 1 \$ 18,882.00			· ·		•	•
351.001 McVean Gun Plain, Martin, Otsego, Watson, Martin Village 1 of 1 \$ 5,824.00 352.001 Maatman-Jaarda Fillmore, Manlius, Holland City 4 of 5 \$ 70,341.87 362.001 Martin-Watson 1 of 1 \$ 11,222.00 371.001 Miller-McKeown Ganges 1 of 1 \$ 8,225.00 373.002 Miner Lake Level Control Allegan 4 of 10 \$ 38,156.16 374.001 Mineral Springs & Hilbert Hopkins, Wayland, Wayland City 1 of 1 \$ 18,882.00		•				
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362.001 Martin-Watson Martin, Watson 1 of 1 \$ 11,222.00 371.001 Miller-McKeown Ganges 1 of 1 \$ 8,225.00 373.002 Miner Lake Level Control Allegan 4 of 10 \$ 38,156.16 374.001 Mineral Springs & Hilbert Hopkins, Wayland, Wayland City 1 of 1 \$ 18,882.00						•
371.001 Miller-McKeown Ganges 1 of 1 \$ 8,225.00 373.002 Miner Lake Level Control Allegan 4 of 10 \$ 38,156.16 374.001 Mineral Springs & Hilbert Hopkins, Wayland, Wayland City 1 of 1 \$ 18,882.00			· · · · · · · · · · · · · · · · · · ·	1 of 1		•
373.002 Miner Lake Level Control Allegan 4 of 10 \$ 38,156.16 374.001 Mineral Springs & Hilbert Hopkins, Wayland, Wayland City 1 of 1 \$ 18,882.00					•	•
374.001 Mineral Springs & Hilbert Hopkins, Wayland, Wayland City 1 of 1 \$ 18,882.00			-		•	•
		· -			•	

Drain #	Drain Name	Township, City, Village	Year of	
388.001	Murphy & Ext.	Dorr, Leighton	Year	
390.900	Myers	Cheshire, Trowbridge	1 of 1 \$	15,729.00
395.001	Nichols	Dorr	1 of 1 \$	1,500.00
619.001	Nolan	Hopkins	1 of 1 \$	3,725.00
396.001	Norris	Wayland	1 of 1 \$	5,174.00
701.001	North Shore	Casco	1 of 1 \$	3,200.00
401.001	Ockford	Casco, Clyde, Ganges, Lee	5 of 20 \$	68,503.05
407.001	Osman	Casco	1 of 2 \$	8,521.64
685.001	Ottogan Intercounty	Laketown, Holland City-OTTAWA	1 of 1 \$	3,320.00
410.001	Overhiser-Spencer	Casco	1 of 2 \$	24,247.81
412.001	Oxley	Casco, Lee	1 of 2 \$	3,836.62
425.001	Peters & Ext.	Overisel, Salem	1 of 1 \$	5,360.00
745.001	Pheasant Ridge	Dorr-433 Agreement	1 of 1 \$	6,558.00
432.001	Pine Creek Lake Level	Otsego	1 of 1 \$	3,650.00
437.001	Pope & Yeldon	Watson	1 of 1 \$	17,186.00
438.001	Potts & Wagner	Leighton	1 of 1 \$	5,700.00
819.001	Recreation	Ganges	1 of 1 \$	6,782.00
453.001	Ring & Perkins	Hopkins	4 of 7 \$	15,348.92
795.001	Riverledge Site Condo	Heath	4 of 7 \$	6,202.72
807.001	Sandy Beach Intercounty	Wayland - BARRY	1 of 1 \$	2,550.00
482.001	Schumaker	Salem	10 of 10 \$	4,084.25
484.200	Scott Creek	Lee	5 of 10 \$	52,295.14
369.001	Section 20 Interceptor	Saugatuck	9 of 10 \$	26,084.97
816.001	Selkirk Lake		1 of 1 \$	7,958.00
496.001	Shad Lake	Martin, Wayland	4 of 20 \$	92,502.68
506.001	Smith	Dorr Dorr	1 of 1 \$	10,998.00
510.001	Sommers	Dorr	1 of 1 \$	2,350.00
759.001	Sunset Shores	Casco	1 of 1 \$	2,625.00
535.900	Symons	-	1 of 1 \$	7,827.00
536.001	Tanner	Ganges Dorr	1 of 2 \$	17,095.80
539.001	Taylor		3 of 3 \$	3,566.66
547.001	Tibbe & Ext.	Watson	1 of 1 \$	6,015.00
552.001	Tobin	Laketown	1 of 1 \$	5,817.00
554.001	Тор	Allegan	1 of 2 \$	10,415.13
563.001	Upper #4 Branch	Overisel	1 of 1 \$	11,771.00
570.001	Virginia Park Intercounty- Main	Cheshire, Trowbridge, Valley	1 of 1 \$	3,815.00
010.001	virginia mark intercounty- Main	Laketown - OTTAWA	9 of 10 \$	18,064.50

Drain #	Drain Name	Township, City, Village	Year of Year		
570.200 573.001 817.001 577.001 581.001 721.001 590.001-2 604.001	Virginia Park Intercounty- Pine Hollow Wadsworth Canal & Birkholz Walker Ward Extension & Branch Warnock & Ext. Wayland Meadows Weist Wyman	Laketown - OTTAWA Ganges, Saugatuck Ganges Trowbridge Saugatuck, Douglas City, Saugatuck City Wayland, Wayland City Dorr, Salem Dorr	9 of 10 1 of 1 6 of 10 8 of 10 5 of 10	\$ \$ \$ \$ \$	7,222.87 15,880.00 19,222.02 16,470.54 89,058.03 4,336.00 16,088.62 2,725.00
		TOTAL		\$	1,732,013.26

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SUMMARY

TOTAL ASSESSMENT FOR 2020:	\$ 1,732,013.26
Allegan County Roads at Large (for Benefit)	\$ 25,503.33
Allegan County at Large (for Benefit)	\$ 25,641.98
Railroads at Large: (for Benefit)	\$ 7,823.30
State Highways at Large: (for Benefit)	\$ 6,015.75
Villages on Description: (for Benefit to Lands)	\$ 13,570.93
Villages at Large: (for Public Health Benefit)	\$ 4,445.95
Cities on Description: (for Benefit to Lands)	\$ 79,033.53
Cities at Large: (for Public Health Benefit)	\$ 44,798.22
Townships on Description: (for Benefit to Lands)	\$ 1,157,734.34
Townships at Large: (for Public Health Benefit)	\$ 367,445.93

TOWNSHIPS

Township	Number	Drain Name	Year of Year	Amount at Large	Amount on Description
ALLEGAN	01		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	825.001	Dumont Lake Level Control	4 of 10	945.82	3,346.84
	373.002	Miner Lake Level Control	4 of 10	0.00	38,156.16
	552.001	Tobin	1 of 2	1,562.25	8,552.72
		ALLEGAN TOTAL		\$2,508.07	\$50,055.72
CASCO	02				
	077.001	Burch & Phillips	1 of 1	0.00	58.49
	174.001	Elm Creek	2 of 2	2,994.00	13,208.18
	181.001	Farm & Resort	1 of 1	1,392.00	7,086.20
	196.001	Flora No 2	6 of 10	3,536.03	3,372.05
	734,001	Glenn Shores	1 of 1	5,973.60	36,800.36
	701.001	North Shore	5 of 20	19,662.36	48,840.69
	401.001	Ockford	1 of 2	1,022.58	4,323.81
	407.001	Osman	1 of 1	664.00	2,460.98
	410.001	Overhiser-Spencer	1 of 2	575.48	3,041.76
	412.001	Oxley	1 of 1	804.00	2,972.80
	759.001	Sunset Shores	1 of 1	782.70	7,044.30
		CASCO TOTAL		\$37,406.75	\$129,209.62
CHESHIRE	03				
	016.001	Austin & Branch	2 of 2	840.00	60.00
	060,001	Brennen	2 of 3	1,150.00	3,737.50
	096.001	Cheshire #3 & Branch #1	1 of 1	3,021.20	20,448.50
	099.900	Cheshire #7	1 of 1	958.78	0.00
	113.001	Cheshire #23	1 of 1	547.56	2,254.54
	115.001	Cheshire #26	1 of 1	1,254.42	4,820.46
	124.001	Colburn	1 of 2	208.04	0.00
	390.900	Myers	1 of 1	705.33	0.00
	563,001	Upper No. 4	1 of 1	381.50	2,361.77
		CHESHIRE TOTAL		\$9,066.83	\$33,682.77

TOWNSHIPS

Township	Number	Drain Name	Year of Year	Amount at Large	Amount on Description
CLYDE	04			<u> </u>	
	015.001	Aull	10 of 10	1,851.16	4,938.96
	174.001	Elm Creek	2 of 2	998.00	408.08
	319.001	Leggett and Sargent	1 of 2	954.30	4,596.71
	401.001	Ockford	1 of 2	511.29	438.32
		CLYDE TOTAL		\$4,314.75	\$10,382.07
DORR	05				
	025.001	Bates	1 of 1	1,576.96	0.222.04
	047,900	Blain	1 of 1	1,225.00	8,323.91
	049.900	Blain #2	1 of 1	850.00	0.00
	085,001	Byron-Dorr Intercounty	1 of 1	2,990.40	0.00
	156,900	Dolegowski	1 of 1	1,125.00	19,719.51
	767.001	Dorr Commerce	1 of 1	1,006.68	0.00
	199,001	Fox Lake	1 of 1	371.25	6,332.54 2,065.69
	228,900	Gray & Bastian	1 of 1	1,000.00	2,065.69
	233.001	Gulch & Branch	1 of 1	429.00	2,801.02
	705.001	Hidden Forest	1 of 1	661.56	3,606.28
	269.001	Hoffman, Harrington & Truax	1 of 1	1,703.16	5,611.54
	820.001	Kay Drive	4 of 10	6,725.12	19,295.66
	344.001	McConnell	1 of 2	1,927.13	10,583.28
	377.001	Moline	9 of 10	4,746.81	9,798.19
	388.001	Murphy & Extension	1 of 1	1,572.90	11,640.49
	395.001	Nichols	1 of 1	447.00	3,143.98
	745.001	Pheasant Ridge	1 of 1	438.00	2,666.48
	496.001	Shad Lake	1 of 1	1,319.76	9,098.86
	506,001	Smith	1 of 1	352.50	1,894.62
	510.001	Sommers	1 of 1	315.00	2,194.28
	536.001	Tanner	3 of 3	499.34	2,962.60
	590,001-2	Weist	9 of 10	2,835.26	10,281.63
	604.001	Wyman	1 of 1	327.00	2,288.12
		DORR TOTAL		\$34,444.83	\$134,308.68

TOWNSHIPS

Township	Number	Drain Name	Year of Year	Amount at Large	Amount on Description
FILLMORE	06				7 mount on Becomption
	168.001	East Fillmore	1 of 1	2,011.68	8,464.03
	302.001	Kleinheksel & Raven	1 of 1	1,609.57	10,417.36
	311.001	Kuipers & Branch	1 of 1	483.45	441.71
	352.001	Maatman-Jaarda	4 of 5	10,430,59	51,086.16
		FILLMORE TOTAL		\$14,535.29	\$70,409.26
GANGES	07				
	174.001	Elm Creek	2 of 2	998.00	87.50
	371.001	Miller-McKeown	1 of 1	987.00	6,454.16
	401.001	Ockford	1 of 2	511.29	218.38
	819.001	Recreation	4 of 7	0.00	15,348,92
	535.900	Symons	1 of 2	17,095,80	0,00
	573.001	Wadsworth Canal & Birkholz	1 of 1	1,905.60	642.79
	817.001	Walker	6 of 10	0.00	19,222.02
		GANGES TOTAL		\$21,497.69	\$41,973.77
GUN PLAIN	08				
	234.001	Gun River Intercounty	1 of 1	3,894.00	28,321.55
	351.001	McVean	1 of 1	174.72	26,321.55 464.40
		GUN PLAIN TOTAL		\$4,068.72	\$28,785.95
HEATH	09				
	039.001	Berkel	1 of 1	922.95	4,932.81
	795.001	Riverledge	1 of 1	306.00	2,025.20
		HEATH TOTAL		\$1,228.95	\$6,958.01

TOWNSHIPS

Township	Number	Drain Name	Year of Year	Amount at Large	Amount on Description
HOPKINS	10				
	686.001	East Lake	1 of 2	825.24	3,709.11
	253.001	Heibel	1 of 3	2,146.80	8,897.06
	269,001	Hoffman, Harrington, Truax	1 of 1	1,703.16	4,572.18
	278.001.1	Hopkins Station	6 of 10	0.00	118.27
	374.001	Mineral Springs & Hilbert	1 of 1	1,321.74	5,727.82
	619.001	Nolan	1 of 1	620.88	4,042.55
	453.001	Ring & Perkins	4 of 7	2,186.17	4,016.55
		HOPKINS TOTAL		\$8,803.99	\$31,083.54
LAKETOWN	11				
	220.001	Golf	8 of 10	0.00	0.00
	296.903	Kelly Lake Intercounty	6 of 15	50,292.60	0,00
	311.001	Kuipers & Branch	1 of 1	7,784.68	0.00
	685.001	Ottogan Intercounty	1 of 2	18,782.23	0.00
	547.001	Tibbe & Extension	1 of 1	5,429.94	0.00
	570.001	Virginia Park Intercounty- Main	9 of 10	18,064.50	0.00
	570.200	Virginia Park Intercounty- Pine Hollow	9 of 10	1,896.07	5,326.80
		LAKETOWN TOTAL		\$102,250.02	\$5,326.80
LEE	12				
	690.001	Base Line Lake Intercounty	2 of 2	207.87	1,149.39
	077.001	Burch & Phillips	1 of 1	1,320.90	7,233.83
	096.001	Cheshire #3 & Branch #1	1 of 1	604.24	923.73
	155.001	Dokey	2 of 2	952.50	5,209.35
	174.001	Elm Creek	2 of 2	1,996.00	3,080.32
	196.001	Flora No 2	6 of 10	3,536.03	12,874.84
	318.001	Lee	6 of 10	5,369.09	26,863.50
	401.001	Ockford	1 of 2	511,29	687.07
	412.001	Oxley	1 of 1	0.00	741.90
	484.200	Scott Creek	9 of 10	4,766.68	21,318.29
		LEE TOTAL		\$19,264.60	\$80,082.22

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Township	Number	Drain Name	Year of Year	Amount at Large	Amount on Description
LEIGHTON	13			<u> </u>	- mile and a second treat
	085.001	Byron-Dorr Intercounty	1 of 1	1,121.40	573.06
	128.001	Cook & Chappell	1 of 1	1,636.50	8,643.78
	624.001	Cook & Johnson	1 of 2	779.03	4,266.55
	166.001	Duncan Lake Intercounty	1 of 2	663.00	4,560.32
	214.001	Gilbert-Wademan	8 of 10	4,987.33	14,973.35
	322.001	Leighton #1	1 of 1	1,384.20	9,828.28
	377.001	Moline	9 of 10	0.00	26,177.04
	388.001	Murphy & Ext.	1 of 1	786,45	463.76
	438.001	Potts & Wagner	1 of 1	813,84	5,845.28
		LEIGHTON TOTAL		\$12,171.75	\$75,331.42
MANLIUS	14				
	302.001	Kleinheksel & Raven	1 of 1	268.26	351.06
	352.001	Maatman-Jaarda	4 of 5	3,476.86	1,506.67
		MANLIUS TOTAL	. 5, 5	\$3,745.12	\$1,857.73
MARTIN	15				
	135.001	Culver	1 of 1	4 0 4 0 5 0	0.070
	234.001	Gun River Intercounty	1 of 1	1,248.50	8,973.75
	273,900	Holt	1 of 1	3,894.00	28,472.62
	351,001	McVean	1 of 1	1,000.00 698.88	0.00
	362,001	Martin-Watson	1 of 1	673.32	2,916.85
	816,001	Selkirk Lake	4 of 20	3,051.07	1,175.77
		MARTIN TOTAL	7 01 20	\$10,565.77	1,943.29 \$43,482.28
MONTEREY	40			¥ 10,000 1	ψ+0,+0 <i>L</i> (20
MONTERET	16	0.5			
	123.001	Coffey	8 of 10	6,925.90	19,587.98
	825.001	Dumont Lake Level Control	4 of 10	945.82	5,820.56
	686.001	East Lake	1 of 2	481.39	1,663.33
	278.001.1	Hopkins Station	6 of 10	451.85	118.27
		MONTEREY TOTAL		\$8,804.96	\$27,190.14

TOWNSHIPS

Township	Number	Drain Name	Year of Year	Amount at Large	Amount on Description
OTSEGO	17			7 mount at Large	Amount on Description
	021.001	Baseline Intercounty	2 of 2	823.50	440.00
	057.001	Brainard & Pease	3 of 3		116.39
	061.900	Bridge Acres	1 of 1	1,328.55 800.00	6,679.46
	062.900	Bridge Acres #1	1 of 1	967.00	0.00
	234.001	Gun River Intercounty	1 of 1	0.00	0.00
	351.001	McVean	1 of 1	407.68	2,660.22
	432.001	Pine Creek Lake Level	1 of 1	0.00	590.15
		OTSEGO TOTAL	1011	\$4,326.73	17,186.00
				ψ4,320.73	\$27,232.22
OVERISEL	18				
	043.001	Black Creek Intercounty	1 of 1	673,29	3,570.56
	123.001	Coffey	8 of 10	0.00	0,00
	168.001	East Fillmore	1 of 1	1,341.12	3,978.05
	252.002	Heck	1 of 1	635.94	2,675.54
	425.001	Peters & Ext.	1 of 1	786.96	5,333.86
	554.001	Тор	1 of 1	1,647.94	9,445.28
		OVERISEL TOTAL		\$5,085.25	\$25,003.29
SALEM	19				
	043.001	Black Creek Intercounty	1 of 1	734.49	0.440.00
	064.001	Brouwer	1 of 2	663.75	6,410.00
	085.001	Byron-Dorr Intercounty	1 of 1	1,869.00	3,538.80
	123.001	Coffey	8 of 10	5,771.58	9,340.05
	195.001	Fleser & Snyder	3 of 3	756.35	5,823.24
	229.001	Green & Branch	1 of 1	1,827.60	5,405.15
	425.001	Peters & Ext.	1 of 1	131.16	12,705.78
	482.001	Schumaker	5 of 10		47.12
	590.001-2		9 of 10	10,460.56 1,417.61	41,834.58
		SALEM TOTAL	3 01 10		1,554.12
				\$23,632.10	\$86,658.84

TOWNSHIPS

Township	Number	Drain Name	Year of Year	Amount at Large	Amount on Description
SAUGATUCK	20				
	020.001	Barr	1 of 1	756.00	3,953.44
	220.001	Golf	8 of 10	4,735.79	12,284.37
	288.001	Jager Crane	6 of 10	693.50	539.02
	704.001	Lakeshore #2	1 of 1	1,770.12	6,692.44
	369.001	Section #20 Interceptor	1 of 1	1,114,12	6,100.60
	573.001	Wadsworth Canal & Birkholz	1 of 1	1,270,40	11,244.49
	581.001	Warnock & Ext.	5 of 10	10,862.87	6,374.37
		SAUGATUCK TOTAL		\$21,202.80	\$47,188.73
TROWBRIDGE	21				
	016.001	Austin & Branch	2 of 2	1,080.00	3,654.42
	021.001	Baseline Intercounty	2 of 2	823,50	4,952.76
	022.001	Baseline Lake	1 of 1	892.50	4,859.48
	096.001	Cheshire #3 & Branch #1	1 of 1	906,36	2,318.34
	124.001	Colburn	1 of 2	390.08	1,758.94
	390.900	Myers	1 of 1	705.33	0.00
	563.001	Upper No. 4	1 of 1	190.75	396.29
	577.001	Ward Extension & Branch	8 of 10	2,441.00	13,887.38
		TROWBRIDGE TOTAL		\$7,429.52	\$31,827.61
VALLEY	22				
	096.001	Cheshire #3 & Branch #1	1 of 1	604.24	106.91
	563.001	Upper No. 4	1 of 1	190,75	84.34
		VALLEY TOTAL		\$794.99	\$191.25

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TOWNSHIPS

Township	Number	Drain Name	Year of Year	Amount at Large	Amount on Description
WATSON	23			<u> </u>	
	221.001	Goldspring	1 of 1	1,028.70	5,397.11
	234.001	Gun River Intercounty	1 of 1	486.75	32.00
	351.001	McVean	1 of 1	58.24	50.65
	362.001	Martin-Watson	1 of 1	1,122.20	6,725.52
	437.001	Pope & Yeldon	1 of 1	684.00	4,260.86
	539.001	Taylor	1 of 1	842.10	5,039.60
		WATSON TOTAL		\$4,221.99	\$21,505.74
WAYLAND	24				
	134.001	Cuddy Intercounty	5 of 15	0.00	36,943.92
	790.001	Gun Lake Cove	1 of 1	577.92	3,529.46
	234.001	Gun River Intercounty	1 of 1	2,920.50	16,292.85
	374.001	Mineral Springs & Hilbert	1 of 1	755.28	150.87
	396.001	Norris	1 of 1	384.00	2,713.60
	807.001	Sandy Beach Intercounty	10 of 10	916.44	3,167.81
	816.001	Selkirk Lake	4 of 20	0.00	85,208.17
	721.001	Wayland Meadows	1 of 1	520,32	0.00
		WAYLAND TOTAL		\$6,074.46	\$148,006.68
		GRAND TOTAL DUE		\$367,445.93	\$1,157,734.34

2020 ASSESSMENTS

	T	IES
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City	Number	CITIE			
DOUGLAS (59)	Mannet	Drain Name	Year of Year	Amount at Large	Amount on Description
	288.001	Jager Crane	6 of 10	0.407.40	
	581.001	Warnock & Ext.	5 of 10	3,467.48	24,487.84
		Douglas Total	5 01 10	32,588.60	39,068.15
FENNVILLE (52)		Douglas Total		\$36,056.08	\$63,555.99
· · /	015.001	Aull	10 of 10	0.00	
	319.001	Leggett and Sargent		0.00	184,22
	0.0.00	Fennville Total	1 of 2	508.96	0.00
HOLLAND (53)		remivine rotal		\$508.96	\$184.22
TOLLAND (00)	352.001	Maatman-Jaarda			
	685.001		4 of 5	1,738.43	860.18
	000.001	Ottogan Intercounty	1 of 2	2,199.14	1,224.78
OT0500 (#4)		Holland Total		\$3,937.57	\$2,084.96
OTSEGO (54)					
	234.001	Gun River Intercounty	1 of 1	0.00	8.00
		Otsego Total		\$0.00	\$8.00
PLAINWELL (55)				·	40,00
	234.001	Gun River Intercounty	1 of 1	1 460 05	
		Plainwell Total	1011	1,460.25 \$1,460.25	1,446.09
SAUGATUCK (57)				Ψ1,400.25	\$1,446.09
•	220.001	Golf	8 of 10	947.16	000.47
	581.001	Warnock & Ext.	5 of 10	0.00	898.47
		Saugatuck Total	0 01 10	\$947.16	164.04
NAYLAND (56)				φ947.10	\$1,062.51
	374.001	Mineral Springs & Hilbert	1 of 1	1 000 00	7.075.00
	721.001	Wayland Meadows	1 of 1	1,888.20	7,675.38
		Wayland Total	1011	0.00 \$1,888.20	3,016.38
		GRAND TOTAL DUE			\$10,691.76
		O.G. TO TAL DOL		\$44,798.22	\$79,033.53

2020 ASSESSMENTS VILLAGES

Village	Number	Drain Name	Vasuativa		
MARTIN (42)			Year of Year	Amount at Large	Amount on Description
	135.001	Culver	1 of 1	1 0 4 0 5 0	
	234,001	Gun River Intercounty		1,248.50	622.37
	351.001	McVean	1 of 1	486.75	399.48
	001.001		1 of 1	0.00	12.46
HOPKINS (44)		Martin Total		\$1,735.25	\$1,034.31
. ,	278.001.1	Hopkins Station	6 of 10	2,710.70	12,536.62
		Hopkins Total		\$2,710.70	\$12,536.62
		GRAND TOTAL DUE		\$4,445.95	\$13,570.93

STATE HIGHWAYS

STATE HIGHWAY (91)	Number	Drain Name	Year of Year	Amount
	022.001	Baseline Lake	1 of 1	80.68
	025.001	Bates Drain	1 of 1	674.60
	039.001	Berkel Drain	1 of 1	123,24
	096.001	Cheshire #3 & Branch #1	1 of 1	6.04
	168.001	East Fillmore	1 of 1	43.42
	221.001	Goldspring	1 of 1	224.53
	234.001	Gun River Intercounty	1 of 1	1,041.65
	302.001	Kleinheksel and Raven Drain	1 of 1	120.18
	311.001	Kuipers Drain	1 of 1	452.70
	351.001	McVean Drain	1 of 1	259.05
	362.001	Martin-Watson Drain	1 of 1	1,077,31
	374.001	Mineral Springs Hilbert Drain	1 of 1	773.41
	388.001	Murphy & Ext.	1 of 1	255.60
	437.001	Pope and Yeldon	1 of 1	627.00
	573.001	Wadsworth Canal & Birkholz	1 of 1	114.18
	577.001	Ward Extension & Branch	8 of 10	142.16
		GRAND TOTAL DUE		\$6,015.75

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RAILROADS

	KAILKUADS		
Number	Drain Name	Year of Year	Amount
302.001	Kleinheksel & Raven	1 of 1	15.16
318,001	Lee	6 of 10	1,193.13
352.001	Maatman-Jaarda	4 of 5	846.13
	CSX Railroad Total		\$2,054.42
025.001	Bates	1 of 1	31.31
816.001	Selkirk Lake	4 of 20	2,300.15
	Grand Elk Railroad Total		\$2,331.46
234.001	Gun River Intercounty	1 of 1	204.44
374.001	Mineral Springs & Hilbert	1 of 1	122,54
377.001	Moline	9 of 10	2,713.59
	Norfolk Southern Total	_	\$3,040.57
352.001	Maatman-Jaarda	4 of 5	396.85
	CHS Total	-	\$396.85
	GRAND TOTAL DUE		\$7,823.30
	302.001 318.001 352.001 025.001 816.001 234.001 374.001	Number Drain Name 302.001 Kleinheksel & Raven 318.001 Lee 352.001 Maatman-Jaarda	Number Drain Name Year of Year 302.001 Kleinheksel & Raven 1 of 1 318.001 Lee 6 of 10 352.001 Maatman-Jaarda 4 of 5 CSX Railroad Total 025.001 Bates 1 of 1 816.001 Selkirk Lake 4 of 20 Grand Elk Railroad Total - 234.001 Gun River Intercounty 1 of 1 374.001 Mineral Springs & Hilbert 1 of 1 377.001 Moline 9 of 10 Norfolk Southern Total CHS Total

COUNTY AT LARGE AND COUNTY ROAD BENEFITS

				Amount County	Amount County
Drain #	Drain Name	Township	Year of Year	at Large (00)	Roads (90)
015.001	Aull	Clyde, Fennville City	10 of 10	0.00	0.00
016.001	Austin & Branch	Cheshire, Trowbridge	2 of 2	152.76	152.76
020.001	Barr	Saugatuck	1 of 1	345.28	345.28
690.001	Base Line Lake Intercounty	Lee - VAN BUREN	2 of 2	14.27	14.27
021.001	Baseline Intercounty	Otsego, Trowbridge - VAN BUREN	2 of 2	73.15	73.15
022.001	Baseline Lake	Trowbridge	1 of 1	58.67	58.67
025.001	Bates	Dorr	1 of 1	327.11	330.11
039.001	Berkel	Heath	1 of 1	87.00	87.00
043.001	Black Creek Intercounty	Overisel, Salem	1 of 1	426.62	426,62
057.001	Brainard & Pease	Otsego	3 of 3	159.08	159.08
060.001	Brennen	Cheshire	2 of 3	431,25	431.25
064.001	Brouwer	Salem	1 of 2	111.25	111.25
077.001	Burch & Phillips	Casco, Lee	1 of 1	410.89	410.89
085.001	Byron-Dorr Intercounty	Dorr, Leighton, Salem - KENT	1 of 1	883.29	883.29
096.001	Cheshire #3 & Branch #1	Cheshire, Trowbridge, Lee, Valley	1 of 1	630.22	630.22
113.001	Cheshire #23	Cheshire	1 of 1	119.95	119.95
115.001	Cheshire #26	Cheshire	1 of 1	447.06	447.06
123.001	Coffey	Monterey, Overisel, Salem	8 of 10	0.00	0.00
124.001	Colburn	Cheshire, Trowbridge	1 of 2	121.73	121.73
128.001	Cook & Chappell	Leighton	1 of 1	314.86	314.86
624.001	Cook & Johnson	Leighton	1 of 2	259.48	259.48
134.001	Cuddy Intercounty	Wayland-BARRY	5 of 15	0.00	0.00
135.001	Culver	Martin, Martin Village	1 of 1	195.94	195.94
155.001	Dokey	Lee	2 of 2	94.04	94.04
767.001	Dorr Commerce	Dorr	1 of 1	524.89	524.89
166.001	Duncan Lake Intercounty	Leighton	1 of 2	150.84	150.84
168.001	East Fillmore	Fillmore, Overisel	1 of 1	462.85	462.85
686.001	East Lake	Hopkins, Monterey	1 of 2	99.03	99.03
174.001	Elm Creek	Casco, Clyde, Ganges, Lee	2 of 2	542.41	542.41
181.001	Farm & Resort	Casco	1 of 1	400.90	400.90
195.001	Fleser & Snyder	Salem	3 of 3	141.51	0.00
196.001	Flora No. 2	Casco, Lee	6 of 10	0.00	0.00
					3.00

COUNTY AT LARGE AND COUNTY ROAD BENEFITS

Drain #	Drain Name	Township	Year of Year	Amount County at Large (00)	Amount County Roads (90)
199.001	Fox Lake	Dorr	1 of 1	19.03	19.03
214.001	Gilbert-Wademan	Leighton	8 of 10	0.00	0.00
734.001	Glenn Shores	Casco	1 of 1	3,503.02	3,503.02
221.001	Goldspring	Watson	1 of 1	103.83	103.83
228.900	Gray & Bastian	Dorr	1 of 1	500.00	500.00
229.001	Green & Branch	Salem	1 of 1	348.31	348.31
233.001	Gulch & Branch	Dorr	1 of 1	172,49	172,49
790.001	Gun Lake Cove	Wayland	1 of 1	354.31	354.31
234.001	Gun River Intercounty	Gun Plain/Martin/Otsego/Watson/Wayland/Martin/Otsego/Plainwell	1 of 1	2,657.66	2,657.66
252.002	Heck	Overisel	1 of 1	110.76	2,007.00 110.76
253.001	Heibel	Hopkins	1 of 3	441.41	441.41
705.001	Hidden Forest	Dorr	1 of 1	622,58	622.58
269.001	Hoffman, Harrington, Truax	Dorr, Hopkins	1 of 1	301.46	301.46
288.001	Jager Crane	Saugatuck, Douglas City	6 of 10	0.00	
296.903	Kelly Lake Intercounty	Laketown-OTTAWA	6 of 15	0.00	0.00
302.001	Kleinheksel & Raven	Fillmore, Manlius	1 of 1	315.74	0.00
311.001	Kuipers & Branch	Fillmore, Laketown	1 of 1		315.74
704.001	Lakeshore No. 2	Saugatuck	1 of 1	253.23 685.72	253.23
318.001	Lee	Lee	6 of 10		685.72
319.001	Leggett and Sargent	Clyde, Fennville City	1 of 2	0.00	0.00
322.001	Leighton #1	Leighton	1 of 1	151.04 161.26	151.04
344.001	McConnell	Dorr	1 of 2	168,56	161.26 168,56
351.001	McVean	Gun Plain, Martin, Otsego, Watson, Martin Village	1 of 1	95.46	95.46
362.001	Martin-Watson	Martin, Watson	1 of 1	223.94	223,94
371.001	Miller-McKeown	Ganges	1 of 1	391.92	391.92
374.001	Mineral Springs & Hilbert	Hopkins, Wayland, Wayland City	1 of 1	233.38	233.38
377.001	Moline	Dorr, Leighton	9 of 10	0.00	0.00
388.001	Murphy & Ext.	Dorr, Leighton	1 of 1	504.90	504.90
390.900	Myers	Cheshire, Trowbridge	1 of 1	44.67	44.67
395.001 619.001	Nichols	Dorr	1 of 1	67.01	67.01
396.001	Nolan	Hopkins	1 of 1	255.54	255.03
701.001	Norris North Shore	Wayland	1 of 1	51.20	51.20
401.001	Ockford	Casco Chylo Congos Los	5 of 20	0.00	0.00
-101.001	Ockloid	Casco, Clyde, Ganges, Lee	1 of 2	148.62	148.99

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COUNTY AT LARGE AND COUNTY ROAD BENEFITS

407.001	Drain #	Drain Name	Township	Year of Year	Amount County at Large (00)	Amount County Roads (90)
685.001 Oltogan Intercounty Laketown, Holland City 1 of 2 1,020.83 1,02 410.001 Overhiser-Spencer Casco 1 of 2 109.69 11 412.001 Oxley Casco, Lee 1 of 1 420.65 42 425.001 Peters & Ext. Overisel, Salem 1 of 1 129.45 12 745.001 Pheasant Ridge Dorr 1 of 1 272.76 27 437.001 Pope & Yeldon Walson 1 of 1 64.07 66 438.001 Potts & Wagner Leighton 1 of 1 61.44 66 4819.001 Recreation Ganges 4 of 7 0.00 64 482.001 Ring & Perkins Hopkins 4 of 7 0.00 64 482.001 Schumaker Salem 5 of 10 0.00 64 484.200 Scott Creek Lee 9 of 10 0.00 64 496.001 Shad Lake Dorr 1 of 1 371.64 37 506.001						
410.001 Overhiser-Spencer Casco, Lee 1 of 2 109.69 104.20.01 Oxley Casco, Lee 1 of 1 420.65 42.50.01 Peters & Ext. Overisel, Salem 1 of 1 129.45 11.745.001 Pheasant Ridge Dorr 1 of 1 272.76 27.437.001 Pope & Yeldon Watson 1 of 1 64.07						97.51
412.001 Oxley Casco, Lee 1 of 1 420.65 42 425.001 Peters & Ext. Overisel, Salem 1 of 1 129.45 12 745.001 Pheasant Ridge Dorr 1 of 1 272.76 22 437.001 Pope & Yeldon Watson 1 of 1 64.07 6 438.001 Potts & Wagner Leighton 1 of 1 64.07 6 438.001 Recreation Ganges 4 of 7 0.00 0 453.001 Ring & Perkins Hopkins 4 of 7 0.00 0 455.001 Ring & Perkins Hopkins 4 of 7 0.00 0 795.001 Riverledge Heath 1 of 1 109.40 10 482.001 Schumaker Salem 5 of 10 0.00 0 484.202 Scott Creek Lee 9 of 10 0.00 0 484.203 Shad Lake Dorr 1 of 1 289.69 22 506.001 Smith						1,020.83
425.001 Peters & Ext. Overlsel, Salem 1 of 1 129.45 12 745.001 Pheasant Ridge Dorr 1 of 1 272.76 27 437.001 Pope & Yeldon Watson 1 of 1 64.07 66 438.001 Potts & Wagner Leighton 1 of 1 61.44 66 4819.001 Recreation Ganges 4 of 7 0.00 64 453.001 Riverledge Heath 1 of 1 109.40 10 482.001 Schumaker Salem 5 of 10 0.00 64 484.200 Scott Creek Lee 9 of 10 0.00 64 484.200 Scott Creek Lee 9 of 10 0.00 66 69 60 0.00 66 60 0.00 66 60 0.00 66 60 0.00 60 60 0.00 0.00 60 0.00 0.00 60 0.00 0.00 0.00 0.00 0.00 0.00 0.00 <td></td> <td></td> <td></td> <td></td> <td></td> <td>109.69</td>						109.69
745.001 Pheasant Ridge Dorr 1 of 1 272.76 27 437.001 Pope & Yeldon Watson 1 of 1 64.07 6 438.001 Potts & Wagner Leighton 1 of 1 61.44 6 819.001 Recreation Ganges 4 of 7 0.00 0 453.001 Ring & Perkins Hopkins 4 of 7 0.00 0 795.001 Riverledge Heath 1 of 1 109.40 10 482.001 Schumaker Salem 5 of 10 0.00 0 484.200 Scott Creek Lee 9 of 10 0.00 0 484.201 Section #20 Interceptor Saugatuck 1 of 1 371.64 37 496.001 Shad Lake Dorr 1 of 1 289.69 28 500.001 Smith Dorr 1 of 1 51.44 8 510.001 Sommers Dorr 1 of 1 57.86 8 536.001 Tanner Dorr						420.65
437.001 Pope & Yeldon Watson 1 of 1 64.07 6 438.001 Potts & Wagner Leighton 1 of 1 61.44 6 819.001 Recreation Ganges 4 of 7 0.00 453.001 Ring & Perkins Hopkins 4 of 7 0.00 795.001 Riverledge Heath 1 of 1 109.40 10 482.001 Schumaker Salem 5 of 10 0.00 484.200 Scott Creek Lee 9 of 10 0.00 484.200 Scott Creek Lee 9 of 10 0.00 486.001 Section #20 Interceptor Saugatuck 1 of 1 371.64 37 496.001 Shad Lake Dorr 1 of 1 289.69 26 506.001 Smith Dorr 1 of 1 51.44 6 510.001 Smmers Dorr 1 of 1 57.86 6 539.001 Tanner Dorr 3 of 3 52.36 6 547.001 Tibbe & Extension Laketown 1 of 1 193.53 11						129,45
438.001 Potts & Wagner Leighton 1 of 1 61.44 64 819.001 Recreation Ganges 4 of 7 0.00 453.001 Ring & Perkins Hopkins 4 of 7 0.00 795.001 Riverledge Heath 1 of 1 109.40 10 482.001 Schumaker Salem 5 of 10 0.00 484.200 Scott Creek Lee 9 of 10 0.00 369.001 Section #20 Interceptor Saugatuck 1 of 1 371.64 37 496.001 Shad Lake Dorr 1 of 1 289.69 22 506.001 Smith Dorr 1 of 1 51.44 4 506.001 Smith Dorr 1 of 1 57.86 5 539.001 Tanner Dorr 3 of 3 52.36 5 539.001 Taylor Watson 1 of 1 1 93.53 11 552.001 Tobin Allegan 1 of 1 1 93.53 11 552.001 Top Overisel 1 of 1 338.89 33						272.76
819.001 Recreation Ganges 4 of 7 0.00 453.001 Ring & Perkins Hopkins 4 of 7 0.00 795.001 Riverledge Heath 1 of 1 109.40 10 482.001 Schumaker Salem 5 of 10 0.00 0.00 484.200 Scott Creek Lee 9 of 10 0.00 0.00 369.001 Section #20 Interceptor Saugatuck 1 of 1 371.64 37 496.001 Shad Lake Dorr 1 of 1 289.69 28 506.001 Smith Dorr 1 of 1 51.44 5 510.001 Smith Dorr 1 of 1 57.86 9 536.001 Tanner Dorr 3 of 3 52.36 6 539.001 Taylor Watson 1 of 1 1 of 1 193.53 16 547.001 Tibbe & Extension Laketown 1 of 1 1 of 2 150.08 15 554.001 Top Overisel <td></td> <td></td> <td></td> <td></td> <td></td> <td>64.07</td>						64.07
453.001 Ring & Perkins Hopkins 4 of 7 0.00 795.001 Riverledge Heath 1 of 1 109.40 10 482.001 Schumaker Salem 5 of 10 0.00 484.200 Scott Creek Lee 9 of 10 0.00 369.001 Section #20 Interceptor Saugatuck 1 of 1 371.64 37 496.001 Shad Lake Dorr 1 of 1 289.69 26 506.001 Smith Dorr 1 of 1 51.44 51 510.001 Sommers Dorr 1 of 1 57.86 6 530.001 Tanner Dorr 3 of 3 52.36 5 539.001 Taylor Watson 1 of 1 66.65 6 547.001 Tibbe & Extension Laketown 1 of 1 193.53 18 552.001 Tobin Allegan 1 of 2 150.08 15 554.001 Top Overisel 1 of 1 338.89 33 563.001 Upper No. 4 Cheshire, Trowbridge, Valley 1 of 1 <						61.44
795.001 Riverledge Heath 1 of 1 109.40 10 482.001 Schumaker Salem 5 of 10 0.00 484.200 Scott Creek Lee 9 of 10 0.00 369.001 Section #20 Interceptor Saugatuck 1 of 1 371.64 37 496.001 Shad Lake Dorr 1 of 1 289.69 28 506.001 Smith Dorr 1 of 1 51.44 51 510.001 Sommers Dorr 1 of 1 57.86 52 536.001 Tanner Dorr 3 of 3 52.36 52 539.001 Taylor Watson 1 of 1 66.65 6 547.001 Tibbe & Extension Laketown 1 of 1 193.53 11 552.001 Tobin Allegan 1 of 1 338.89 33 553.001 Upper No. 4 Cheshire, Trowbridge, Valley 1 of 1 104.80 10 573.001 Wadsworth Canal & Birkholz Ganges, Saugatuck </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td>						0.00
482.001 Schumaker Salem 5 of 10 0.00 484.200 Scott Creek Lee 9 of 10 0.00 369.001 Section #20 Interceptor Saugatuck 1 of 1 371.64 37 496.001 Shad Lake Dorr 1 of 1 289.69 26 506.001 Smith Dorr 1 of 1 51.44 56 510.001 Sommers Dorr 1 of 1 57.86 6 536.001 Tanner Dorr 3 of 3 52.36 6 539.001 Taylor Watson 1 of 1 66.65 6 547.001 Tibbe & Extension Laketown 1 of 1 193.53 15 552.001 Tobin Allegan 1 of 2 150.08 15 554.001 Top Overisel 1 of 1 338.89 33 563.001 Upper No. 4 Cheshire, Trowbridge, Valley 1 of 1 104.80 10 570.001 Virginia Park Intercounty- Main Laketown - OTTAWA 9 of 10 0.00 573.001 Wadsworth Canal & Birkholz		. -				0.00
484.200 Scott Creek Lee 9 of 10 0.00 369.001 Section #20 Interceptor Saugatuck 1 of 1 371.64 37 496.001 Shad Lake Dorr 1 of 1 289.69 28 506.001 Smith Dorr 1 of 1 51.44 51 510.001 Sommers Dorr 1 of 1 57.86 52 536.001 Tanner Dorr 3 of 3 52.36 52 539.001 Taylor Watson 1 of 1 66.65 6 547.001 Tibbe & Extension Laketown 1 of 1 193.53 15 552.001 Tobin Allegan 1 of 2 150.08 15 554.001 Top Overisel 1 of 1 338.89 33 563.001 Upper No. 4 Cheshire, Trowbridge, Valley 1 of 1 104.80 10 570.001 Virginia Park Intercounty- Main Laketown - OTTAWA 9 of 10 0.00 573.001 Wadsworth Canal & Birkholz Ganges, Saugatuck 1 of 1 351.27 36 817.001 <td></td> <td></td> <td></td> <td></td> <td></td> <td>109.40</td>						109.40
369.001 Section #20 Interceptor Saugatuck 1 of 1 371.64 37 496.001 Shad Lake Dorr 1 of 1 289.69 26 506.001 Smith Dorr 1 of 1 51.44 6 510.001 Sommers Dorr 1 of 1 57.86 6 536.001 Tanner Dorr 3 of 3 52.36 6 539.001 Taylor Watson 1 of 1 66.65 6 547.001 Tibbe & Extension Laketown 1 of 1 193.53 19 552.001 Tobin Allegan 1 of 2 150.08 15 554.001 Top Overisel 1 of 1 338.89 33 563.001 Upper No. 4 Cheshire, Trowbridge, Valley 1 of 1 104.80 10 570.001 Virginia Park Intercounty- Main Laketown - OTTAWA 9 of 10 0.00 573.001 Wadsworth Canal & Birkholz Ganges, Saugatuck 1 of 1 351.27 38 817.001 Walker Ganges 6 of 10 0.00 721.001				5 of 10		0.00
496.001 Shad Lake Dorr 1 of 1 289.69 28 506.001 Smith Dorr 1 of 1 51.44 6 510.001 Sommers Dorr 1 of 1 57.86 8 536.001 Tanner Dorr 3 of 3 52.36 8 539.001 Taylor Watson 1 of 1 66.65 6 547.001 Tibbe & Extension Laketown 1 of 1 193.53 19 552.001 Tobin Allegan 1 of 2 150.08 15 554.001 Top Overisel 1 of 1 338.89 33 563.001 Upper No. 4 Cheshire, Trowbridge, Valley 1 of 1 104.80 10 570.001 Virginia Park Intercounty- Main Laketown - OTTAWA 9 of 10 0.00 573.001 Wadsworth Canal & Birkholz Ganges, Saugatuck 1 of 1 351.27 38 817.001 Walker Ganges 6 of 10 0.00 721.001 Wayland Meadows Wayland, Wayland City 1 of 1 399.65 38				9 of 10	0.00	0.00
506.001 Smith Dorr 1 of 1 51.44 5 510.001 Sommers Dorr 1 of 1 57.86 5 536.001 Tanner Dorr 3 of 3 52.36 5 539.001 Taylor Watson 1 of 1 66.65 6 547.001 Tibbe & Extension Laketown 1 of 1 193.53 15 552.001 Tobin Allegan 1 of 2 150.08 15 554.001 Top Overisel 1 of 1 338.89 33 563.001 Upper No. 4 Cheshire, Trowbridge, Valley 1 of 1 104.80 10 570.001 Virginia Park Intercounty- Main Laketown - OTTAWA 9 of 10 0.00 573.001 Wadsworth Canal & Birkholz Ganges, Saugatuck 1 of 1 351.27 36 817.001 Walker Ganges 6 of 10 0.00 721.001 Wayland Meadows Wayland, Wayland City 1 of 1 399.65 39			Saugatuck	1 of 1	371.64	371.64
510.001 Sommers Dorr 1 of 1 57.86 536.001 536.001 Tanner Dorr 3 of 3 52.36 539.001 539.001 Taylor Watson 1 of 1 66.65 66.65 547.001 Tibbe & Extension Laketown 1 of 1 193.53 15 552.001 Tobin Allegan 1 of 2 150.08 15 554.001 Top Overisel 1 of 1 338.89 33 563.001 Upper No. 4 Cheshire, Trowbridge, Valley 1 of 1 104.80 10 570.001 Virginia Park Intercounty- Main Laketown - OTTAWA 9 of 10 0.00 573.001 Wadsworth Canal & Birkholz Ganges, Saugatuck 1 of 1 351.27 36 817.001 Walker Ganges 6 of 10 0.00 721.001 Wayland Meadows Wayland, Wayland City 1 of 1 399.65 38			Dorr	1 of 1	289.69	289.69
536.001 Tanner Dorr 3 of 3 52.36 8 539.001 Taylor Watson 1 of 1 66.65 6 547.001 Tibbe & Extension Laketown 1 of 1 193.53 15 552.001 Tobin Allegan 1 of 2 150.08 15 554.001 Top Overisel 1 of 1 338.89 33 563.001 Upper No. 4 Cheshire, Trowbridge, Valley 1 of 1 104.80 10 570.001 Virginia Park Intercounty- Main Laketown - OTTAWA 9 of 10 0.00 573.001 Wadsworth Canal & Birkholz Ganges, Saugatuck 1 of 1 351.27 35 817.001 Walker Ganges 6 of 10 0.00 721.001 Wayland Meadows Wayland, Wayland City 1 of 1 399.65 35			Dorr	1 of 1	51.44	51.44
539.001 Taylor Watson 1 of 1 66.65 6 547.001 Tibbe & Extension 1 of 1 193.53 18 552.001 Tobin Allegan 1 of 2 150.08 18 554.001 Top Overisel 1 of 1 338.89 33 563.001 Upper No. 4 Cheshire, Trowbridge, Valley 1 of 1 104.80 10 570.001 Virginia Park Intercounty- Main Laketown - OTTAWA 9 of 10 0.00 573.001 Wadsworth Canal & Birkholz Ganges, Saugatuck 1 of 1 351.27 38 817.001 Walker Ganges 6 of 10 0.00 721.001 Wayland Meadows Wayland, Wayland City 1 of 1 399.65 39		Sommers		1 of 1	57.86	57.86
539.001 Taylor Watson 1 of 1 66.65 6 547.001 Tibbe & Extension Laketown 1 of 1 193.53 19 552.001 Tobin Allegan 1 of 2 150.08 19 554.001 Top Overisel 1 of 1 338.89 33 563.001 Upper No. 4 Cheshire, Trowbridge, Valley 1 of 1 104.80 10 570.001 Virginia Park Intercounty- Main Laketown - OTTAWA 9 of 10 0.00 573.001 Wadsworth Canal & Birkholz Ganges, Saugatuck 1 of 1 351.27 38 817.001 Walker Ganges 6 of 10 0.00 721.001 Wayland Meadows Wayland, Wayland City 1 of 1 399.65 39		Tanner	Dorr	3 of 3	52.36	52.36
552.001 Tobin Allegan 1 of 2 150.08 15 554.001 Top Overisel 1 of 1 338.89 33 563.001 Upper No. 4 Cheshire, Trowbridge, Valley 1 of 1 104.80 10 570.001 Virginia Park Intercounty- Main Laketown - OTTAWA 9 of 10 0.00 573.001 Wadsworth Canal & Birkholz Ganges, Saugatuck 1 of 1 351.27 38 817.001 Walker Ganges 6 of 10 0.00 721.001 Wayland Meadows Wayland, Wayland City 1 of 1 399.65 39		Taylor	Watson	1 of 1	66.65	66.65
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GRAND TOTAL DUE	\$51,145.31

And I do Hereby Certify, that the foregoing embraces a full and true report of all the drains applied for, begun, constructed, or finished during the year now ended under the supervision of the Drain Commissioner,

Denise Medemar, all of which is respectfully submitted.

Dated at Allegan, Michigan, this 22nd Day of April, 2021.

Denise Medemar Allegan County Drain Commissioner

Denise Medemar

2020 ANNUAL REPORT
OF
DRAIN COMMISSIONER
COUNTY OF ALLEGAN
STATE OF MICHIGAN

MICHIGAN ASSOCIATION OF COUNTY DRAIN COMMISSIONERS MANAGING MICHIGAN'S WATER RESOURCES SINCE 1899

NEXT STEPS ON INCENTIVES FOR BUFFER STRIPS ALONG DRAINS

GREAT LAKES EROSION IN ALLEGAN COUNTY

EGLE CHLORIDE AND SULFATE IMPLEMENTATION PLAN UPDATE



ommunities along the Great Lakes have been dealing with a slowmoving emergency well before the pandemic arrived. Over the past few years, high lake levels and shoreline erosion have threatened public infrastructure, including roads, drain outlets, pipelines, parks, treatment plants, marinas, and water intakes. Lake Michigan water levels have swung from all-time lows in 2013 to record highs set in 2020. This rapid change in lake level has not been seen in the 100-year modern record kept by the Army Corp of Engineers. Lakes Michigan and Huron (considered one lake connected at the Straits of Mackinac) have experienced a 6-foot rise over seven years. Imagine 6-feet of water

over 45,400 square miles! Before this dramatic shift, the lake had been at near-average to below-average levels for 25 years. The latest Army Corps of Engineers forecast predicts the lakes are likely to remain near record levels heading into 2021. The effects of this dramatic rise will be with us for several years to come.

Joe Bush (Ottawa County Water Resources Commissioner) and Denise Medemar (Allegan County Drain Commissioner) know the power of the Great Lakes all too well. Like many County Drain Commissioners and Water Resources Commissioners, they track water levels and rainfall more than most people.

FREATLANCES FROSION IN ALLEGAN COUNTRY

By: Dana R. Burd, P.E. Prein&Newhof

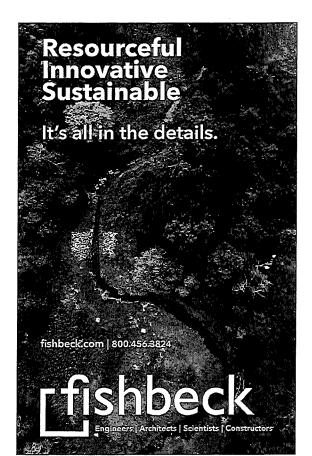
A culvert end section lost to Lake Michigan in Allegan County (Photo by Prein&Newhof)

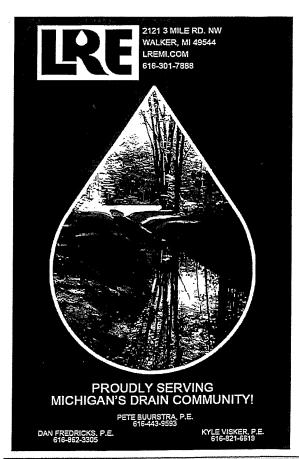
Michigan is experiencing the wettest 1-year, 3-year, and 5-year periods on record. The effect has been statewide — we are a sponge that has been full for some time. The water table is high everywhere, and many of our major river systems have been experiencing annual flow increases of double to triple their normal yearly flows. Water is everywhere and surging into the Great Lakes.

In December 2019, Allegan County officials met with US Congressman Fred Upton to collaborate on the impact high water was already having on infrastructure and properties along the lakeshore. This meeting included the offices of the Drain Commissioner and Road Commission. Allegan County has several interceptor drains installed



An outlet of the Section 20 Interceptor Drain in Allegan County is shown obstructed with debris. One of several drains historically constructed in part to relieve pressure on unstable bluffs. (Photo by Prein&Newhof)





EROSION CONT.



MACDC President Joe Bush and Allegan County Commissioner Jim Storey testify before the Michigan Senate Appropriations Sub-committee in February 2020 on the impacts of high water and erosion. (photo from Joe Bush)

after the previous 1986 high water cycle. These drains run parallel to the lakeshore and function to relieve pressure on unstable bluffs' upper zones. Many of the drains along Lake Michigan have sustained some level of damage from high water, erosion, and accumulated debris. The County also has several areas where public roads and culverts sit precariously close to the unforgiving shoreline.

As President of the Michigan Association of County Drain Commissioners (MACDC), Joe Bush testified before Michigan's Senate Appropriations Committee in February 2020 with officials from Allegan County. Their goal was to further communicate the impacts high water was having on communities across the state. At that time, many forums were being held to build awareness of the ongoing shoreline crisis, including infrastructure impacts. Shortly thereafter, "Rona" entered the room and all focus shifted toward this new crisis. Options for potential state or federal level relief relating to high water and erosion disappeared just as quickly as coronavirus swept into Michigan.

CONTINUED RISE

Between March and June, Lake Michigan continued to rise nearly a foot, breaking July's record. Unstable bluffs continued to erode, pulling down sections of roadway and pipelines along the way.

Debris has continued to damage culverts and outlet pipes. Emergency maintenance and frequent inspections became a regular occurrence throughout the spring and into autumn for the Allegan County Drain Commissioner's office. In some instances, water was temporarily routed away from damaged drains. Denise Medemar's office continues to



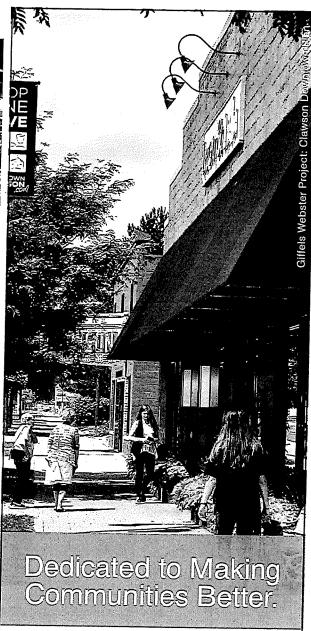
Lakeshore Drain No. 2 has a failing outlet pipe and wood support structure collapsing into Lake Michigan. Allegan County hopes to make repairs in partnership with adjacent property owners working to save their homes. (Photo by Allegan County Sheriff's Office)

respond to emergency repairs and document damages sustained. Planning for long-term repairs is underway but may need to wait until water levels subside. Her office is looking to build partnerships with adjacent property owners, already planning projects to protect their homes near damaged outlets. Rebuilding from the high water period of 1986 took many years, and this cycle will be no different. County Drain Commissioners have an essential role in helping their communities understand the Great Lakes' cyclical nature to plan drain infrastructure and development accordingly.

Many road agencies are also continuing to deal with infrastructure on the edge. The Allegan County Road Commission is working with property owners to maintain a two-mile section of roadway near Saugatuck. Lakeshore Drive is a county primary road that sits on top of a 60-foot bluff. In 1985, a section of road began to fail. By 1986, the road was closed because the land within the right-of-way had disappeared into Lake Michigan. This section of road was never



Allegan County Road Commission crews work to maintain access to homes by shifting Lakeshore Drive further inland within the right-of-way. (Photo by Prein&Newhof)

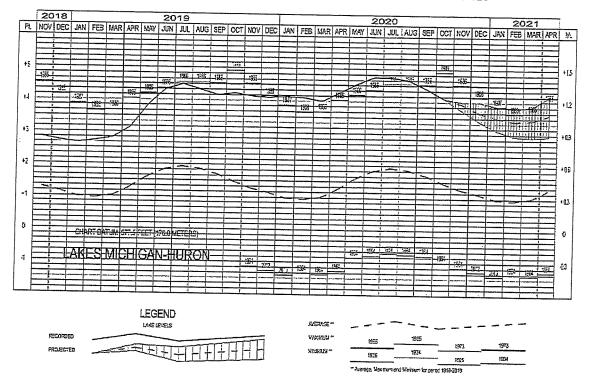


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LAKES MICHIGAN-HURON WATER LEVELS - NOVEMBER 2020



Army Corp of Engineers 6-month Lakes Michigan-Huron Forecast Graphic shows water levels will remain at or near recorded high heading into 2021.

rebuilt and has remained a dead-end for the last 35 years. More recently, a nearby section of Lakeshore Drive was closed for several months when a large sinkhole developed along the unstable bluff. For a time, residents did not have access to their homes.

Temporary repairs were made to shift the road further inland, but the long-term fate of the road itself remains in question. Studies are underway to evaluate alternatives to protect the road in place or plan for its eventual retreat inland.

HOW LONG WILL THIS CYCLE LAST?

Fall and winter is typically a period of seasonal decline for the Great Lakes. Last year, that decline never happened. Levels held steady from September through April. Temperature, evaporation, and precipitation will be significant factors in determining if water levels will trend downward over the next several months. Heading into spring of 2021, the Army Corp predicts the best-case scenario is Lake Michigan-Huron will remain several feet above the long-term average. It will take several years and a few dry years before lake levels are closer to "normal".

History has shown that the Great Lakes experience a general rise and fall over decades. The current cycle has been the most rapid rise on record and followed a prolonged low water period. The change has taken many people by surprise. The shoreline is a dynamic system. This is certainly not the first time lake levels have been this high, nor will it be the last.

Before 1986, Lake Michigan-Huron had high and low trends every few decades. Lesser spikes and dips occurred every 5-10 years within those general trends. The official period of record only goes back 100 years, but the Great Lakes have been in their current configuration for much longer - around 3,000 years.

A major consideration with each new cycle is more development along the coastline. People want to live near the water. Ottawa County is one of the fastest growing counties in Michigan. Allegan County is not far behind. Over the past 35 years many large homes have been built along the shore where small cottages once stood. Wooded areas and fields have become developments. With growth comes infrastructure. Community leaders, engineers, and planners

will have to learn from the outcomes of this high water period and become more resilient for the next cycle. As time passes communities are learning more ways to adapt and manage the changing coastal environment.

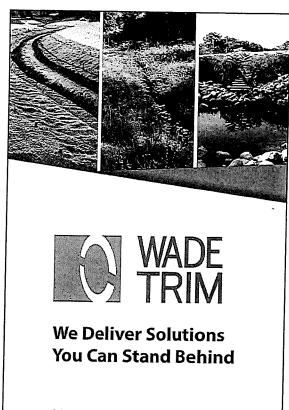
Some State and Federal programs are available to assist communities with understanding and responding to high water and erosion impacts. Still, as with all emergencies – they begin and end at the local level. Counties managing infrastructure challenges should reach out to their Emergency Management Teams, who can play an essential role in planning and communicating the effects of high water and erosion in their communities.

The Coastal Management Program at the Michigan Department of Environment, Great Lakes, and Energy (EGLE) has programs available to encourage resiliency planning for coastal communities. FEMA has the Building Resilient Infrastructure and Communities (BRIC) Program to support states and local communities with hazard mitigation efforts. Lastly, the Superior Watershed Partnership has made available the Great Lakes Shoreviewer — a risk assessment, and climate adaptation planning tool available at www.greatlakesshoreviewer.org. These resources indicate a growing awareness and response at all levels of government for risk mitigation that emphasizes proactive planning over reactive responses to future crisis.

Our Great Lakes coastline is a powerful and dynamic resource. Understanding its changing nature will help guide current and future decision-making. Being aware of the impacts



Brent Scholten, Drain Maintenance Supervisor for Allegan County, stands atop a revetment built by the Army Corp of Engineers in the 1970's. The outlet to Lakeshore Drain No. 1 is one of several drains constructed in the 1990s in part to relieve pressure on the upper zones of unstable bluffs. (Photo by Prein&Newhof)



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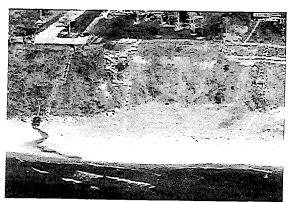
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EROSION CONT.

during each high and low water trend will give us the ability to better learn, predict, and manage our infrastructure systems. We are the stewards of our infrastructure during this time. What we learn today will better prepare us, and the future caretakers of our community assets, when faced with managing the next cycle.



Showing the outlet of Lakeshore Drain No. 1 and the south end of the 1974 revetment during near record low-water times.



Showing the same outlet as lake levels were on the rise in 2015. Lakeshore Drive runs parallel to the shore here and was a continuous through road before washing into the lake in the 1980s.



Showing the same area looking North. Prior to 1985, Lakeshore Drive was a continuous through road before washing into the lake. The road has been a two-way dead end for the last 35 years.

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