

# Memorandum

Jackson County Judicial Ditch No. 14



**To:** Heron Lake Watershed District – Board of Managers

**From:** Chuck Brandel, PE

**Date:** June 21, 2023

**Subject:** Jackson County Judicial Ditch No. 14 – Damage Memo

**CC:** Louis Smith, Chuck Holtman

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## INTRODUCTION

As you are aware Jackson County Judicial Ditch No. 14, went through a construction project which started in 2021 and was completed and accepted in 2023. With the construction project, temporary damages for soil disturbance from the construction project were recorded and a payment amount was set at the Final Engineer's Report Hearing. The temporary damage amount was set by the Viewers at \$500 per acre of disturbance.

ISG estimated a temporary damage area based on the pipe size and depth as well as the construction extents needed for the ditch cleaning and filling in the open ditch. At the time the project was accepted, the estimated temporary damage amount was 94.5 acres for all aspects of the work. The tile portion of the construction was estimated at 51.8 acres.

The construction project spanned two years, 2021 original contract and 2022 repair contract. Therefore, some properties have two years of temporary damage payment. ISG collected actual damages during construction utilizing a Trimble R1 GPS data collector. The following paragraphs are based on the actual damages that occurred during construction and not the estimated amount.

### 2021 (Original Contract) Damages

The 2021 damages consisted of 35.90 acres throughout the watershed. At \$500 per acre of disturbance, the damage amount for the original project is \$17,950.00 (35.90 acres at \$500/acre). Attached in Exhibit A is a complete breakdown of the temporary damage amount by parcel and by effected branch. Along with tabular exhibit is a map of the damages for reference.

### 2022 (Repair contract) Damages

The 2022 damages consisted of 4.44 acres on specific branch tiles (Branch C, E, and G as well as the main open ditch). At \$500 per acre of disturbance, the additional damages associated with the 2022 repair damages amount to \$2,220 (4.44 acre at \$500/acre).

Attached in Exhibit B is a complete breakdown of the temporary damage amount by parcel and by effected branch. Along with tabular exhibit is a map of the damages for reference.

# Memorandum

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## EXHIBIT A

Jackson County Judicial Ditch No. 14  
 2021 Construction Damages Summary  
 Final Per As-Built  
 Date: 12/13/2021



Bid Pack #1	General Tract Information						Permanent Damages			Temporary Damages			
	Parcel Description	Parcel Owner	Parcel ID	Approximate Station Range	Project Description	Crop Type	Buffer Strip Area (Acres)	New Ditch Area (Acres)	Total Permanent Easement (Acres)	Contractor Damages due to Construction (Acres)	Non-Crop Damages due to Construction (Acres)	Crop Damages due to Construction (Acres)	Total Temporary Easement (Acres)
Mainline Open Ditch	SW 1/2 SW 1/4 SECTION 21 HERON LAKE TOWNSHIP	Diane & William Runck	080210400	0+00 to 3+50	Improvement	None	0.15	0.00	0.15	0.00	0.00	0.00	0.00
	NW 1/4 SW 1/4 SECTION 21 HERON LAKE TOWNSHIP	Ronald & Cheryl Kolander	080210500	0+00 to 22+50	Improvement	None	1.47	0.00	1.47	0.00	0.00	0.00	0.00
	S 1/2 NW 1/4 SECTION 21 HERON LAKE TOWNSHIP	Justin & Tami Farmer	080210750	20+00 to 42+00	Improvement	None	0.83	0.00	0.83	0.00	0.00	0.00	0.00
	NE 1/4 SW 1/4 SECTION 21 HERON LAKE TOWNSHIP	Ronald & Cheryl Kolander	080210550	22+50 to 36+00	Improvement	None	0.50	0.00	0.50	0.00	0.00	0.00	0.00
	S 1/2 NW 1/4 SECTION 21 HERON LAKE TOWNSHIP	Justin & Tami Farmer	080210725	42+00 to 45+50	Improvement	None	0.12	0.00	0.12	0.00	0.00	0.00	0.00
	S 1/2 NW 1/4 SECTION 21 HERON LAKE TOWNSHIP	David Palvere	080210700	45+50 to 49+00	Improvement	None	0.13	0.00	0.13	0.00	0.00	0.00	0.00
	N 1/2 NW 1/4 SECTION 21 HERON LAKE TOWNSHIP	Keith & Pauline Buresch	080210600	49+00 to 52+00	Improvement	None	0.13	0.00	0.13	0.00	0.00	0.00	0.00
	S 2/3 NE 1/4 SECTION 21 HERON LAKE TOWNSHIP	Fredrick Bretzman	080210100	36+00 to 81+00	Improvement	None	2.81	0.00	2.81	0.00	0.00	0.00	0.00
	W 1/2 NW 1/4 SECTION 22 HERON LAKE TOWNSHIP	Donna Bauman	080220500	82+00 to 102+00	Improvement	None	1.20	0.00	1.20	0.00	0.00	0.00	0.00
	W 1/2 NW 1/4 SECTION 22 HERON LAKE TOWNSHIP	Timothy Bauman	080220600	94+00 to 97+00	Improvement	None	0.12	0.00	0.12	0.00	0.00	0.00	0.00
E 1/2 NW 1/4 SECTION 22 HERON LAKE TOWNSHIP	Clyde Burmeister Revocable Trust	080220100	97+00 to 119+00	Improvement	Corn	1.47	0.00	1.47	0.00	0.00	0.36	0.36	
Branch G Open Ditch	N 1/2 NW 1/4 SECTION 21 HERON LAKE TOWNSHIP	Keith & Pauline Buresch	080210600	0+00 to 8+50	Improvement	None	0.36	0.00	0.36	0.00	0.00	0.00	0.00
	S 2/3 NE 1/4 SECTION 21 HERON LAKE TOWNSHIP	Fredrick Bretzman	080210100	0+00 to 8+50	Improvement	None	0.33	0.00	0.33	0.00	0.00	0.00	0.00

**Jackson County Judicial Ditch No. 14**  
**2021 Construction Damages Summary**  
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<b>Mainline Tile</b>	W 1/4 SECTION 22 HERON LAKE TOWNSHIP	Clyde Burmeister Revocable Trust	080220100	119+00 to 130+00	Improvement	Corn	0.00	0.00	0.00	0.00	0.00	2.11	2.11
	E 1/2 NE 1/4 SECTION 22 HERON LAKE TOWNSHIP	Dustin & Lindsay Wassenaar	080220200	130+00 to 143+00	Improvement	Corn	0.00	0.00	0.00	0.00	0.00	3.37	3.37
	N 1/2 SE 1/4 SECTION 22 HERON LAKE TOWNSHIP	Leon & Violet Voss	080220350	140+00 to 143+00	Improvement	Beans	0.00	0.00	0.00	0.00	0.00	0.26	0.26
	W 1/2 NW 1/4 SECTION 23 HERON LAKE TOWNSHIP	Theodore Bretzman	080231000	144+00 to 151+00	Improvement	Beans	0.00	0.00	0.00	0.00	0.00	1.57	1.57
	W 1/2 SW 1/4 SECTION 23 HERON LAKE TOWNSHIP	Myron Miller Trust ETAL	080231100	151+00 to 152+00	Improvement	Corn	0.00	0.00	0.00	0.00	0.00	0.25	0.25
<b>Branch C</b>	W 1/2 NE 1/4 SECTION 22 HERON LAKE TOWNSHIP	Clyde Burmeister Revocable Trust	080220100	0+00 to 4+00	Improvement	Corn	0.00	0.00	0.00	0.00	0.00	1.04	1.04
	N 1/4 SE 1/4 SECTION 22 HERON LAKE TOWNSHIP	Leon & Violet Voss	080220350	4+00 to 9+00	Improvement	Beans	0.00	0.00	0.00	0.00	0.00	1.21	1.21
	SW 1/4 SECTION 22 HERON LAKE TOWNSHIP	Theodore Bretzman	080220400	9+00 to 17+00	Improvement	Beans	0.00	0.00	0.00	0.00	0.00	2.09	2.09
<b>Branch D</b>	W 1/2 NE 1/4 SECTION 22 HERON LAKE TOWNSHIP	Clyde Burmeister Revocable Trust	080220100	0+00 to 22+00	Improvement	Beans	0.00	0.00	0.00	0.00	0.00	5.48	5.48
	E 1/2 SW 1/4 SECTION 15 HERON LAKE TOWNSHIP	Douglas Hansen	080150450	23+00 to 25+00	Improvement	Beans	0.00	0.00	0.00	0.00	0.00	0.28	0.28
<b>Branch D1</b>	W 1/2 NE 1/4 SECTION 22 HERON LAKE TOWNSHIP	Clyde Burmeister Revocable Trust	080220100	0+00 to 12+00	Improvement	Corn	0.00	0.00	0.00	0.00	0.00	3.68	3.68
	NE 1/2 NE 1/4 SECTION 22 HERON LAKE TOWNSHIP	Dustin & Lindsay Wassenaar	080220200	12+00 to 12+50	Improvement	Corn	0.00	0.00	0.00	0.00	0.00	0.17	0.17
<b>Branch E</b>	W 1/2 NW 1/4 SECTION 22 HERON LAKE TOWNSHIP	Donna Bauman	080220500	0+00 to 13+00	Improvement	Corn	0.00	0.00	0.00	0.00	0.00	3.47	3.47
	SW 1/4 SECTION 22 HERON LAKE TOWNSHIP	Theodore Bretzman	080220400	13+00 to 34+00	Improvement	Beans	0.00	0.00	0.00	0.00	0.00	5.31	5.31
	E 1/2 SE 1/4 SECTION 21 HERON LAKE TOWNSHIP	Philip Paulson	080210200	34+50 to 35+00	Improvement	Corn	0.00	0.00	0.00	0.00	0.00	0.17	0.17

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Branch E1	W 1/2 NW 1/4 SECTION 22 HERON LAKE TOWNSHIP	Donna Bauman	080220500	0+00 to 3+00	Improvement	Corn	0.00	0.00	0.00	0.00	0.00	0.46	0.46
	S 2/3 NE 1/4 SECTION 21 HERON LAKE TOWNSHIP	Fredrick Bretzman	080210100	3+50 to 4+50	Improvement	Corn	0.00	0.00	0.00	sw	s	0.15	0.15
Branch G Tile	N 1/3 NE 1/4 SECTION 21 HERON LAKE TOWNSHIP	Michael & Dawn Rossow	080210150	9+00 to 10+00	Improvement	Beans	0.00	0.00	0.00	0.00	0.00	0.20	0.20
	S 1/2 SE 1/4 SECTION 16 HERON LAKE TOWNSHIP	Michael & Dawn Rossow	080160650	10+50 to 29+00	Improvement	Corn	0.00	0.00	0.00	0.00	0.00	4.31	4.31
<b>Jackson JD 14 2021 Total</b>							<b>9.6</b>	<b>0.0</b>	<b>9.6</b>	<b>0.0</b>	<b>0.0</b>	<b>35.9</b>	<b>35.9</b>

# Memorandum

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## EXHIBIT B

Jackson County Judicial Ditch No. 14  
 2022 Repair Construction Damages Summary  
 Final Per As-Built  
 Date: 1/26/2023



	General Tract Information						Temporary Damages		
	Parcel Description	Parcel Owner	Parcel ID	Approximate Station Range	Project Description	Crop Type	Non-Crop Damages due to Construction (Acres)	Crop Damages due to Construction (Acres)	Total Temporary Easement (Acres)
Mainline Open Ditch	W 1/2 NE 1/4 SECTION 22 HERON LAKE TOWNSHIP	Clyde Burmeister Recocable Trust	080220100	121+00 to 121+20	Repairs	None	0.03	0.00	0.03
	E 1/2 NE 1/4 SECTION 22 HERON LAKE TOWNSHIP	Dustin & Lindsay Wassenaar	080220200	138+00 to 144+00	Repairs	None	1.28	0.00	1.28
	W 1/2 NW 1/4 SECTION 23 HERON LAKE TOWNSHIP	Theodore Bretzman	080231000	144+20 to 144+30	Repairs	None	0.03	0.00	0.03
Branch C	SW 1/4 SECTION 22 HERON LAKE TOWNSHIP	Theodore Bretzman	080220400	12+60 to 12+85	Repairs	None	0.08	0.00	0.08
Branch E	W 1/2 NW 1/4 SECTION 22 HERON LAKE TOWNSHIP	Donna Baumann	080220500	3+00 to 3+60	Repairs	None	0.22	0.00	0.22
	SW 1/4 SECTION 22 HERON LAKE TOWNSHIP	Theodore Bretzman	080220400	12+60 to 15+00	Repairs	None	1.16	0.00	1.16
Branch G	NW 1/4 NE 1/4 SECTION 21 HERON LAKE TOWNSHIP	Fredrick Bretzman	080210100	9+00 to 9+10	Repairs	None	0.02	0.00	0.02
	N 1/2 NE 1/4 SECTION 21 HERON LAKE TOWNSHIP	Michael & Dawn Rossow	080210150	91+00 to 10+00	Repairs	None	0.12	0.00	0.12
	S 1/2 SE 1/4 SECTION 16 HERON LAKE TOWNSHIP	Michael & Dawn Rossow	080160650	10+50 to 28+78	Repairs	None	1.50	0.00	1.50
<b>Jackson JD 14 2022 Total</b>							<b>4.44</b>	<b>0.0</b>	<b>4.44</b>