

Hydrologic Forecasting and Water Management, Manitoba Transportation & Infrastructure

**DAILY FLOOD SHEET - Imperial
Red River**

April 18, 2023

<http://www.gov.mb.ca/mit/floodinfo>

LOCATION	Today's Conditions		Change from Apr 17 (ft)	Forecasted Peak		DIKE ELEV (ft)	Existing Channel Capacity		2022 Spring Peak		Reference Years			
	FLOW (cfs)	LEVEL (ft)		LEVEL (ft)	DATE		FLOW (cfs)	LEVEL (ft)	FLOW (cfs)	LEVEL (ft)	2019 Spring		2020	
											FLOW (cfs)	LEVEL (ft)	FLOW (cfs)	LEVEL (ft)
Wahpeton, MN		11.11	+0.11				10.00	5,650	13.18	6,215	14.66	3,230	10.21	
Fargo, ND		22.76	+2.31				18.00	9,817	26.49	19,706	35.04	11,795	28.19	
Halstad, MN		27.14	+5.24				26.00	25,886	31.83	40,259	39.13	34,785	37.40	
Grand Forks, ND		28.69	+4.94				28.00	64,626	46.07	65,332	46.94	72,900	47.70	
Drayton, ND		25.43	+5.25				32.00	80,517	43.19	65,332	42.48	72,800	43.33	
Emerson	19,282	^772.16	+4.97	782.9 - 788.6	April 25 – May 5	795.60	783.20	82,989	790.84	62,154	787.78	69,570	788.97	
Letellier		770.05		778.7 - 783.8	April 25 – May 5	790.60	780.10		785.09		782.92		784.02	
St. Jean		765.56		774.6 - 780.0	April 25 – May 5	788.00	771.60		781.95		777.58		779.21	
Morris - PTH 23		762.54		771.2 - 777.2	April 25 – May 5	787.40	769.40		780.47		773.50		775.67	
Ste. Agathe	30,653	^754.31	+2.97	762.1 - 769.0	April 25 – May 5	778.50	771.00	78,045	772.20	58,975	764.84	63,920	767.03	
St. Adolphe				757.3 - 764.8	April 25 – May 5	775.50	757.50		768.15		760.68		763.16	
Above Floodway Inlet - Natural		747.51	+3.28											
Above Floodway Inlet - Actual	25,596	745.87	+1.64	753.6 - 762.0	April 25 – May 5	773.50	760.00		764.79		757.02		758.21	
Below Floodway							752.00		753.32		752.21		753.51	
Floodway Channel	0						140,003			14,479		19,350		
Winnipeg - James Avenue	33,097	13.12	+2.10	18.0 - 19.5	April 25 – May 5	26.50	18.00		19.00		17.66	54,500	18.96	
Lockport - u/s Dam		725.43	+0.75				735.00		734.57		728.63		734.21	
Lockport - d/s Dam							735.00							
Selkirk - Dock		719.73	+0.04				727.50	107,003	728.73	63,566	725.64	75,927	726.66	
Selkirk - PTH 4							724.50							
Breezy Point		716.25	+0.53				718.00		720.63		720.62		719.74	

^Please note that the 2023 water levels on this report for Emerson and Ste. Agathe are reported to the CGVD28 vertical reference datum, whereas the Water Survey of Canada website reports the water levels at these locations to the CGVD2013 vertical reference datum. To convert the Emerson and Ste. Agathe water levels on this report to the values appearing on the Water Survey of Canada's website, subtract 0.469 m (1.54 ft) from this report's Emerson water level, and subtract 0.372 m (1.22 ft) from this report's Ste. Agathe water level.



Reported water levels and flows may show the influence of ice cover, movement or jamming. These effects are present during the spring break-up-period.

**DAILY FLOOD SHEET - Metric
Red River**

April 18, 2023

<http://www.gov.mb.ca/mit/floodinfo>

LOCATION	Today's Conditions		Change from Apr 17 (m)	Forecasted Peak		DIKE ELEV (m)	Existing Channel Capacity		2022 Spring Peak		Reference Years			
	FLOW (cms)	LEVEL (m)		LEVEL (m)	DATE		FLOW (cms)	LEVEL (m)	FLOW (cms)	LEVEL (m)	2019 Spring		2020	
											FLOW (cms)	LEVEL (m)	FLOW (cms)	LEVEL (m)
Wahpeton, MN		3.39	+0.03				3.05	160.0	4.02	176.0	4.47	91.5	3.11	
Fargo, ND		6.94	+0.70				5.49	278.0	8.07	558.0	10.68	334.0	8.59	
Halstad, MN		8.27	+1.60				7.92	733.0	9.70	1,140.0	11.93	985.0	11.40	
Grand Forks, ND		8.74	+1.51				8.53	1,830.0	14.04	1,850.0	14.31	2,064.3	14.54	
Drayton, ND		7.75	+1.60				9.75	2,280.0	13.16	1,850.0	12.95	2,061.5	13.21	
Emerson	546.0	^235.35	+1.51	238.63 - 240.37	April 25 – May 5	242.50	238.72	2,350.0	241.05	1,760.0	240.12	1,970.0	240.48	
Letellier		234.71		237.36 - 238.91	April 25 – May 5	240.97	237.77		239.30		238.63		238.97	
St. Jean		233.34		236.11 - 237.73	April 25 – May 5	240.18	235.18		238.34		237.01		237.50	
Morris - PTH 23		232.42		235.07 - 236.90	April 25 – May 5	240.00	234.51		237.89		235.76		236.43	
Ste. Agathe	868.0	^229.92	+0.91	232.28 - 234.40	April 25 – May 5	237.29	235.00	2,210.0	235.37	1,670.0	233.12	1,810.0	233.79	
St. Adolphe				230.83 - 233.11	April 25 – May 5	236.37	230.89		234.13		231.85		232.61	
Above Floodway Inlet - Natural		227.84	+1.00											
Above Floodway Inlet - Actual	724.8	227.34	+0.50	229.70 - 232.26	April 25 – May 5	235.76	231.65		233.11		230.74		231.10	
Below Floodway							229.21		229.61		229.28		229.67	
Floodway Channel	0.0						3,964.4			410.0		547.9		
Winnipeg - James Avenue	937.2	4.00	+0.64	5.49 - 5.94	April 25 – May 5	8.08	5.49		5.79		5.38	1,543.3	5.78	
Lockport - u/s Dam		221.11	+0.23				224.03		223.90		222.09		223.79	
Lockport - d/s Dam							224.03							
Selkirk - Dock		219.37	+0.01				221.74	3,030.0	222.12	1,800.0	221.17	2,150.0	221.49	
Selkirk - PTH 4							220.83							
Breezy Point		218.31	+0.16				218.85		219.65		219.65		219.38	

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