

Hydrologic Forecasting and Water Management, Manitoba Infrastructure

**DAILY FLOOD SHEET - Imperial
Red River**

April 11, 2019

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

LOCATION	Today's Conditions		Change from Apr 10 (ft)	Total Rise (ft)	Forecasted Peak		DIKE ELEV (ft)	Existing Channel Capacity		2018 Spring Peak		Reference Years			
	FLOW (cfs)	LEVEL (ft)			LEVEL (ft)	DATE		FLOW (cfs)	LEVEL (ft)	FLOW (cfs)	LEVEL (ft)	2009		2011	
												FLOW (cfs)	LEVEL (ft)	FLOW (cfs)	LEVEL (ft)
Wahpeton, MN	4,330	11.70	-0.03					10.00	1,911	8.10					
Fargo, ND	17,900	33.59	-0.78					18.00		8.10	29,100	40.80			
Halstad, MN	47,500	39.06	+0.33						18,505	24.84	67,500	40.50			
Grand Forks, ND	65,500	46.65	+1.23					28.00	27,899	34.94	80,000	49.50			
Drayton, ND		36.40	+2.03					32.00	30,688	34.42	85,700	43.60			
Emerson	29,633	**778.72	+1.16		789.4 - 790.1	Apr 21-24	795.60	783.20	32,843	774.74	86,000	790.80	79,100	790.30	
Letellier		776.11	+1.98		784.2 - 785.2	Apr 22-26	790.60	780.10		772.69		785.20		784.60	
St. Jean		769.57			780.7 - 782.1	Apr 24-28	788.00	771.60		766.23		782.90		781.80	
Morris - PTH 23		764.81	+1.41		777.9 - 779.7	Apr 25-29	787.40	769.40		762.13		781.90		779.30	
Ste. Agathe	30,992	**756.55	+1.12		770.4 - 772.0	Apr 25-29	778.50	771.00	34,043	753.54	90,760	773.70	73,300	771.70	
St. Adolphe		752.19	+1.44		764.5 - 765.9	Apr 25-30	775.50	757.50			98,000	769.20		767.20	
Above Floodway Inlet - Natural												767.00			
Above Floodway Inlet - Actual	29,085	748.85	+1.38		761.1 - 763.0	Apr 27 - May 1	773.50	760.00	32,172	747.91	98,000	766.80	75,200	764.10	
Below Floodway		747.83	+1.24					752.00		747.92	55,800	756.60	39,900	752.90	
Floodway Channel	0				2,306.4 - 3,018.4	Apr 27 - May 1									
Winnipeg - James Avenue		13.94	+1.01		18.6 - 18.9	Apr 26 - May 4	26.50	18.00		743.37	72,000	22.50	58,600	19.60	
Lockport - u/s Dam		726.39	+0.50					735.00		734.91		738.50		732.70	
Lockport - d/s Dam		724.90	+0.47					735.00				737.90		732.60	
Selkirk - Dock		723.15	+2.08					727.50	44,143	717.19	113,000	729.40			
Selkirk - PTH 4		719.69	+0.62					724.50				726.60		722.60	
Breezy Point		716.47	+0.09					718.00		716.06		721.90		718.20	

** Please note that the 2019 water levels on this Flood Sheet 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 Flood Sheet to the values appearing on Water Survey of Canada's website, subtract 0.469 m (1.54 ft) from this Flood Sheet's Emerson water level, and subtract 0.372 m (1.22 ft) from this Flood Sheet's Ste. Agathe water level.

Hydrologic Forecasting and Water Management, Manitoba Infrastructure

**DAILY FLOOD SHEET - Metric
Red River**

April 11, 2019

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

LOCATION	Today's Conditions		Change from Apr 10 (m)	Total Rise (m)	Forecasted Peak		DIKE ELEV (m)	Existing Channel Capacity		2018 Spring Peak		Reference Years			
	FLOW (cms)	LEVEL (m)			LEVEL (m)	DATE		FLOW (cms)	LEVEL (m)	FLOW (cms)	LEVEL (m)	2009		2011	
												FLOW (cms)	LEVEL (m)	FLOW (cms)	LEVEL (m)
Wahpeton, MN	122.6	3.57	-0.01					3.05	54.1	2.47					
Fargo, ND	506.9	10.24	-0.24					5.49		2.47	824.0	12.44			
Halstad, MN	1,345.0	11.91	+0.10						524.0	7.57	1,911.4	12.34			
Grand Forks, ND	1,855.0	14.22	+0.37					8.53	790.0	10.65	2,265.3	15.09			
Drayton, ND		11.09	+0.62					9.75	869.0	10.49	2,426.8	13.29			
Emerson	839.1	**237.35	+0.35		240.62 - 240.83	Apr 21-24	242.50	238.72	930.0	236.14	2,435.2	241.04	2,239.9	240.88	
Letellier		236.56	+0.60		239.01 - 239.32	Apr 22-26	240.97	237.77		235.52		239.33		239.15	
St. Jean		234.57			237.96 - 238.38	Apr 24-28	240.18	235.18		233.55		238.63		238.29	
Morris - PTH 23		233.11	+0.43		237.09 - 237.65	Apr 25-29	240.00	234.51		232.30		238.32		237.53	
Ste. Agathe	877.6	**230.60	+0.34		234.81 - 235.29	Apr 25-29	237.29	235.00	964.0	229.68	2,570.1	235.82	2,075.6	235.21	
St. Adolphe		229.27	+0.44		233.01 - 233.45	Apr 25-30	236.37	230.89			2,775.1	234.45		233.84	
Above Floodway Inlet - Natural												233.78			
Above Floodway Inlet - Actual	823.6	228.25	+0.42		231.98 - 232.57	Apr 27 - May 1	235.76	231.65	911.0	227.96	2,775.1	233.72	2,129.4	232.90	
Below Floodway		227.94	+0.38					229.21		227.97	1,580.1	230.61	1,129.8	229.48	
Floodway Channel	0.0				703.00 - 920.00	Apr 27 - May 1									
Winnipeg - James Avenue		4.25	+0.31		5.68 - 5.75	Apr 26 - May 4	8.08	5.49		226.58	2,038.8	6.86	1,659.4	5.97	
Lockport - u/s Dam		221.40	+0.15					224.03		224.00		225.09		223.33	
Lockport - d/s Dam		220.95	+0.14					224.03				224.91		223.30	
Selkirk - Dock		220.42	+0.64					221.74	1,250.0	218.60	3,199.8	222.32			
Selkirk - PTH 4		219.36	+0.19					220.83				221.47		220.25	
Breezy Point		218.38	+0.03					218.85		218.26		220.04		218.91	

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