

Hydrologic Forecasting and Water Management, Manitoba Infrastructure

**DAILY FLOOD SHEET - Imperial
Red River**

April 19, 2020

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

LOCATION	Today's Conditions		Change from Apr 18 (ft)	Forecasted Peak		DIKE ELEV (ft)	Existing Channel Capacity		2019 Spring Peak		Reference Years			
	FLOW (cfs)	LEVEL (ft)		LEVEL (ft)	DATE		FLOW (cfs)	LEVEL (ft)	2006		2011			
									FLOW (cfs)	LEVEL (ft)	FLOW (cfs)	LEVEL (ft)		
Wahpeton, MN	2,550	9.18	-0.04				10.00	6,215	14.66	7,169	15.93		15.69	
Fargo, ND	4,290	18.83	-0.51				18.00	19,706	35.04	19,917	37.13		38.81	
Halstad, MN	16,200	23.82	-1.99					39,906	39.07	43,084	39.14		40.51	
Grand Forks, ND	36,100	38.83	-1.33				28.00	65,332	46.94	72,748	47.93		49.86	
Drayton, ND	65,000	42.51	-0.31				32.00	65,332	42.51	78,752	42.89		43.17	
Emerson	69,217	^788.91	+0.02		Near Peak	795.60	783.20	62,507	787.78	72,395	789.59	79,100	790.22	
Letellier		783.92	+0.14		Near Peak	790.60	780.10		782.92		784.11		784.60	
St. Jean		778.78	+0.31		Near Peak	788.00	771.60		777.58		781.02		781.26	
Morris - PTH 23		774.79	+0.41	775.1 - 775.4	Apr 20-21	787.40	769.40		773.50		778.87		779.12	
Ste. Agathe	58,269	^766.11	+0.46	^766.6 - 766.9	Apr 20-21	778.50	771.00	58,975	764.84		771.29	73,300	771.70	
St. Adolphe		762.42	+0.38	762.5 - 763.0	Apr 21-22	775.50	757.50		760.68		766.62		767.08	
Above Floodway Inlet - Natural		758.89	+0.23											
Above Floodway Inlet - Actual		758.43	+0.20	759.5 - 760.2	Apr 21-22	773.50	760.00		757.02		764.32	75,200	764.10	
Below Floodway		752.99	+0.14				752.00		752.21		754.25	39,900	755.26	
Floodway Channel	17,272											36,700		
Winnipeg - James Avenue	52,668	18.47	-0.03	19.0 - 19.3	Apr 21-23	26.50	18.00		17.68		20.18	58,600	20.52	
Lockport - u/s Dam		728.69	+0.10				735.00		728.63		734.21			
Lockport - d/s Dam							735.00						732.60	
Selkirk - Dock	69,941	721.23	+0.09				727.50	88,640	725.62				727.33	
Selkirk - PTH 4							724.50						722.60	
Breezy Point		716.71	+0.06				718.00		720.52		718.75		719.97	

^Please note that the 2020 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 the 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 19, 2020

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

LOCATION	Today's Conditions		Change from Apr 18 (m)	Forecasted Peak		DIKE ELEV (m)	Existing Channel Capacity		2019 Spring Peak		Reference Years			
	FLOW (cms)	LEVEL (m)		LEVEL (m)	DATE		FLOW (cms)	LEVEL (m)	FLOW (cms)	LEVEL (m)	2006		2011	
											FLOW (cms)	LEVEL (m)	FLOW (cms)	LEVEL (m)
Wahpeton, MN	72.2	2.80	-0.01				3.05	176.0	4.47	203.0	4.86		4.78	
Fargo, ND	121.5	5.74	-0.16				5.49	558.0	10.68	564.0	11.32		11.83	
Halstad, MN	458.7	7.26	-0.61					1,130.0	11.91	1,220.0	11.93		12.35	
Grand Forks, ND	1,022.0	11.84	-0.41				8.53	1,850.0	14.31	2,060.0	14.61		15.20	
Drayton, ND	1,841.0	12.96	-0.09				9.75	1,850.0	12.96	2,230.0	13.07		13.16	
Emerson	1,960.0	^240.46	+0.01		Near Peak	242.50	238.72	1,770.0	240.12	2,050.0	240.67	2,239.9	240.86	
Letellier		238.94	+0.05		Near Peak	240.97	237.77		238.63		239.00		239.15	
St. Jean		237.37	+0.10		Near Peak	240.18	235.18		237.01		238.05		238.13	
Morris - PTH 23		236.16	+0.13	236.25 - 236.35	Apr 20-21	240.00	234.51		235.76		237.40		237.48	
Ste. Agathe	1,650.0	^233.51	+0.14	^233.65 - 233.75	Apr 20-21	237.29	235.00	1,670.0	233.12		235.09	2,075.6	235.21	
St. Adolphe		232.39	+0.12	232.40 - 232.55	Apr 21-22	236.37	230.89		231.85		233.67		233.81	
Above Floodway Inlet - Natural		231.31	+0.07											
Above Floodway Inlet - Actual		231.17	+0.06	231.50 - 231.70	Apr 21-22	235.76	231.65		230.74		232.97	2,129.4	232.90	
Below Floodway		229.51	+0.04				229.21		229.28		229.90	1,129.8	230.20	
Floodway Channel	489.1											1,039.2		
Winnipeg - James Avenue	1,491.0	5.63	-0.01	5.79 - 5.88	Apr 21-23	8.08	5.49		5.39		6.15	1,659.4	6.26	
Lockport - u/s Dam		222.11	+0.03				224.03		222.09		223.79			
Lockport - d/s Dam							224.03						223.30	
Selkirk - Dock	1,980.0	219.83	+0.03				221.74	2,510.0	221.17				221.69	
Selkirk - PTH 4							220.83						220.25	
Breezy Point		218.45	+0.02				218.85		219.62		219.08		219.45	

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