Hydrologic Forecasting and Water Management, Manitoba Infrastructure

DAILY FLOOD SHEET - Imperial

April 30, 2020

Red River

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

LOCATION	Today's Conditions		Change from Apr 29	Forecasted Peak		DIKE ELEV (ft)	Existing Channel Capacity		2019 Spring Peak		Reference Years			
											2006		2011	
	FLOW (cfs)	LEVEL (ft)	(ft)	LEVEL (ft)	DATE		FLOW (cfs)	LEVEL (ft)	FLOW (cfs)	LEVEL (ft)	FLOW (cfs)	LEVEL (ft)	FLOW (cfs)	LEVEL (ft)
Wahpeton, MN	2,100	8.40	0.00					10.00	6,215	14.66	7,169	15.93		15.69
Fargo, ND	3,340	17.12	-0.01					18.00	19,706	35.04	19,917	37.13		38.81
Halstad, MN	9,230	15.53	-0.13						39,906	39.07	43,084	39.14		40.51
Grand Forks, ND	14,300	26.14	-0.07					28.00	65,332	46.94	72,748	47.93		49.86
Drayton, ND	32,800	38.22	-0.65					32.00	65,332	42.51	78,752	42.89		43.17
Emerson	45,909	^784.81	-0.57	^P:788.9	Peaked on April 18	795.60		783.20	62,507	787.78	72,395	789.59	79,100	790.22
Letellier		781.68	-0.47	P:783.9	Peaked on April 19	790.60		780.10		782.92		784.11		784.60
St. Jean		776.39	-0.73	P:779.1	Peaked on April 21	788.00		771.60		777.58		781.02		781.26
Morris - PTH 23		772.91	-0.85	P:775.7	Peaked on April 23	787.40		769.40		773.50		778.87		779.12
Ste. Agathe	58,622	^764.98	-0.67	^P:767.0	Peaked on April 23	778.50		771.00	58,975	764.84		771.29	73,300	771.70
St. Adolphe		761.15	-0.59	P:763.1	Peaked on April 23	775.50		757.50		760.68		766.62		767.08
Above Floodway Inlet - Natural		757.81	-0.49											
Above Floodway Inlet - Actual		757.35	-0.49	P:759.2	Peaked on April 21	773.50		760.00		757.02		764.32	75,200	764.10
Below Floodway		752.76	-0.29					752.00		752.21		754.25	39,900	755.26
Floodway Channel	14,179												36,700	
Winnipeg - James Avenue	51,775	18.24	-0.20	P:19.0	Peaked on April 23	26.50		18.00		17.68		20.18	58,600	20.52
Lockport - u/s Dam		728.37	-0.34					735.00		728.63		734.21		
Lockport - d/s Dam								735.00						732.60
Selkirk - Dock	66,060	720.88	-0.39					727.50	88,640	725.62				727.33
Selkirk - PTH 4								724.50						722.60
Breezy Point		716.21	-0.33					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.

P: Denotes a peaked value.

Hydrologic Forecasting and Water Management, Manitoba Infrastructure

DAILY FLOOD SHEET - Metric

Red River

April 30, 2020

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

LOCATION	Today's Conditions		Change from Apr 29	Forecasted Peak		DIKE ELEV (m)	Existing Channel Capacity		2019 Spring Peak		Reference Years			
											2006		2011	
	FLOW (cms)	LEVEL (m)	(m)	LEVEL (m)	DATE		FLOW (cms)	LEVEL (m)	FLOW (cms)	LEVEL (m)	FLOW (cms)	LEVEL (m)	FLOW (cms)	LEVEL (m)
Wahpeton, MN	59.5	2.56	0.00					3.05	176.0	4.47	203.0	4.86		4.78
Fargo, ND	94.6	5.22	0.00					5.49	558.0	10.68	564.0	11.32		11.83
Halstad, MN	261.4	4.73	-0.04						1,130.0	11.91	1,220.0	11.93		12.35
Grand Forks, ND	404.9	7.97	-0.02					8.53	1,850.0	14.31	2,060.0	14.61		15.20
Drayton, ND	928.8	11.65	-0.20					9.75	1,850.0	12.96	2,230.0	13.07		13.16
Emerson	1,300.0	^239.21	-0.17	^P:240.47	Peaked on April 18	242.50		238.72	1,770.0	240.12	2,050.0	240.67	2,239.9	240.86
Letellier		238.26	-0.14	P:238.94	Peaked on April 19	240.97		237.77		238.63		239.00		239.15
St. Jean		236.65	-0.22	P:237.48	Peaked on April 21	240.18		235.18		237.01		238.05		238.13
Morris - PTH 23		235.58	-0.26	P:236.42	Peaked on April 23	240.00		234.51		235.76		237.40		237.48
Ste. Agathe	1,660.0	^233.17	-0.20	^P:233.79	Peaked on April 23	237.29		235.00	1,670.0	233.12		235.09	2,075.6	235.21
St. Adolphe		232.00	-0.18	P:232.60	Peaked on April 23	236.37		230.89		231.85		233.67		233.81
Above Floodway Inlet - Natural		230.98	-0.15											
Above Floodway Inlet - Actual		230.84	-0.15	P:231.41	Peaked on April 21	235.76		231.65		230.74		232.97	2,129.4	232.90
Below Floodway		229.44	-0.09					229.21		229.28		229.90	1,129.8	230.20
Floodway Channel	401.5												1,039.2	
Winnipeg - James Avenue	1,466.0	5.56	-0.06	P:5.79	Peaked on April 23	8.08		5.49		5.39		6.15	1,659.4	6.26
Lockport - u/s Dam		222.01	-0.10					224.03		222.09		223.79		
Lockport - d/s Dam								224.03						223.30
Selkirk - Dock	1,871.0	219.72	-0.12					221.74	2,510.0	221.17				221.69
Selkirk - PTH 4								220.83						220.25
Breezy Point		218.30	-0.10					218.85		219.62		219.08		219.45

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