

## 2013 – 2014 Peace River Report No. 46

A contributed observation reported that the ice run on the Peace River had near reached the Slave River confluence (km 1243) yesterday afternoon (May 1, 2014). This location is approximately 411 km downstream of Fort Vermilion. The ice jam upstream of Fort Vermilion released on Wednesday evening, and passed downstream without re-jamming. Water levels increased locally approximately 1 m, but did not reach the peak levels experienced on Sunday. Water levels at Fort Vermilion have continued to fall since the passing of the ice run on Wednesday. The ice jam located just upstream of Vermilion Rapids (km 913) was reported to have released as well. This agrees well with changing water levels at the water level gauges downstream (peaked at Peace Point and near the Slave River confluence). Since Saturday, April 26, the ice front advanced 752 km in 5 days.

This will be the last river ice report for the 2013/2014 season.

### Observation Details

Wednesday, April 30

- Water levels (WSC gauge at km 832 in Fort Vermilion) throughout the day remained relatively steady, until they began to fall at 1:45 MST. Water levels fell 55 cm before beginning to rise.
- Contributed observations reported the ice beginning to move at 16:05 MST (Mackenzie County).
- Water levels began to rise at the WSC gauge in Fort Vermilion (km 832) at 17:30 MST. Levels rose 0.75 m in 45 min, and then began to slow.
- Contributed observations reported the ice run passing on the south (Fort Vermilion) side of the island at km 829 to 833 (Mackenzie County).
- Water levels in Fort Vermilion peaked at 19:45 MST and have dropped steadily since then.
- Contributed observations reported that by 20:00 MST, only trace amounts of ice were passing through the open channel near Fort Vermilion (Mackenzie County).
- Peak water levels on Apr 30 were 0.85 m lower than the peak levels on Sunday, Apr 27.
- Water levels at the Peace River at Peace Point WSC gauge (km 1336) indicate breakup of the ice cover at this location on April 30.

Thursday, May 1

- Water levels at the Peace River near Chenal des Quatres Fourches (km 1227) began to rise at 11:00 MST.
- Contributed observations reported running ice at the confluence with the Slave River (km 1243).

Friday, May 2

- Water levels at the Peace River near Chenal des Quatres Fourches (km 1227) peaked at 07:00 am, after rising 4.3 m in less than one day.



Ice jam at the Hwy 88 bridge near Fort Vermilion at 16:00 MST, April 30. It has remained in place since Sunday, April 27. The jam released at 10:05 MST on April 30.



Only trace ice was observed passing by the Hwy 88 bridge near Fort Vermilion by 22:00 MST on April 30. The ice jam passed unimpeded downstream.

## Temperature Forecast

The following table contains Environment Canada's observed and forecasted daily maximum and minimum temperatures through to Thursday, May 8<sup>th</sup>.

Day	Date	Location					
		High Level		Peace River		Fort St. John	
Yesterday	1 May	11.8/2.4		15.4/ 5.5		9.8 / 1.3	
		Daytime	Overnight	Daytime	Overnight	Daytime	Overnight
Today	2 May	7	-2	7	0	6	0
Tomorrow	3 May	6	-7	5	-5	6	-2
Sunday	4 May	4	-7	3	-4	3	-6
Monday	5 May	5	-5	3	-3	4	-7
Tuesday	6 May	9	-6	6	-3	8	-5
Wednesday	7 May	14	-4	13	-4	12	-2
Thursay	8 May	16	-2	15	-1	14	1
Average Max/Min for today		15 / 0		15 / 2		13 / 1	

Observed Peace River Ice Front Locations 2013-2014

