Alberta Government

River Ice Observation Report

River Forecast Centre
November 27, 2012

2012 – 2013 Peace River
Report No. 2

An observation flight of the Peace River located the ice front at km 538 (approximately 142 km downstream of the Town of Peace River) at 12:55 MST on November 27th. Currently the ice front is approximately two weeks ahead of an average position. The front was advancing upstream at a rate of approximately 20 km/day from its last known location. However, its advance typically slows in the upcoming kilometers due to steeper river slopes. Despite cooler than seasonal temperatures in the forecast, it is expected that the advance of the ice front will slow significantly.

Alberta Environment and Sustainable Resource Development, and BC Hydro are in contact regarding river ice conditions and operation of the BC Hydro Peace River facilities.

Observation Details

- November 27 – River ice observation flight
    - km 385 to 410 – Surface ice concentration estimated at 10%.
    - km 410 to 420 – Surface ice concentration estimated at 20%.
    - km 420 to 445 – Surface ice concentration estimated at 30%.
    - km 445 to 455 – Surface ice concentration estimated at 40%.
    - km 455 to 475 – Surface ice concentration estimated at 50%.
    - km 475 to 495 – Surface ice concentration estimated at 50%, composed of pieces of border ice as well as frazil rafts.
    - km 495 to 515 – Surface ice concentration estimated at 60%.
    - km 515 to 530 – Surface ice concentration estimated at 80%.
    - km 530 to 535 – Surface ice concentration estimated at 90%.
    - km 535 to 538 – Although moving slowly, the surface ice cover is estimated at 100%.
    - km 538 – Ice front location at 12:55 MST.
    - km 538 to 695 – Intact ice cover, with several open leads immediately downstream of the front and two consolidated reaches at kms 556 and 691.

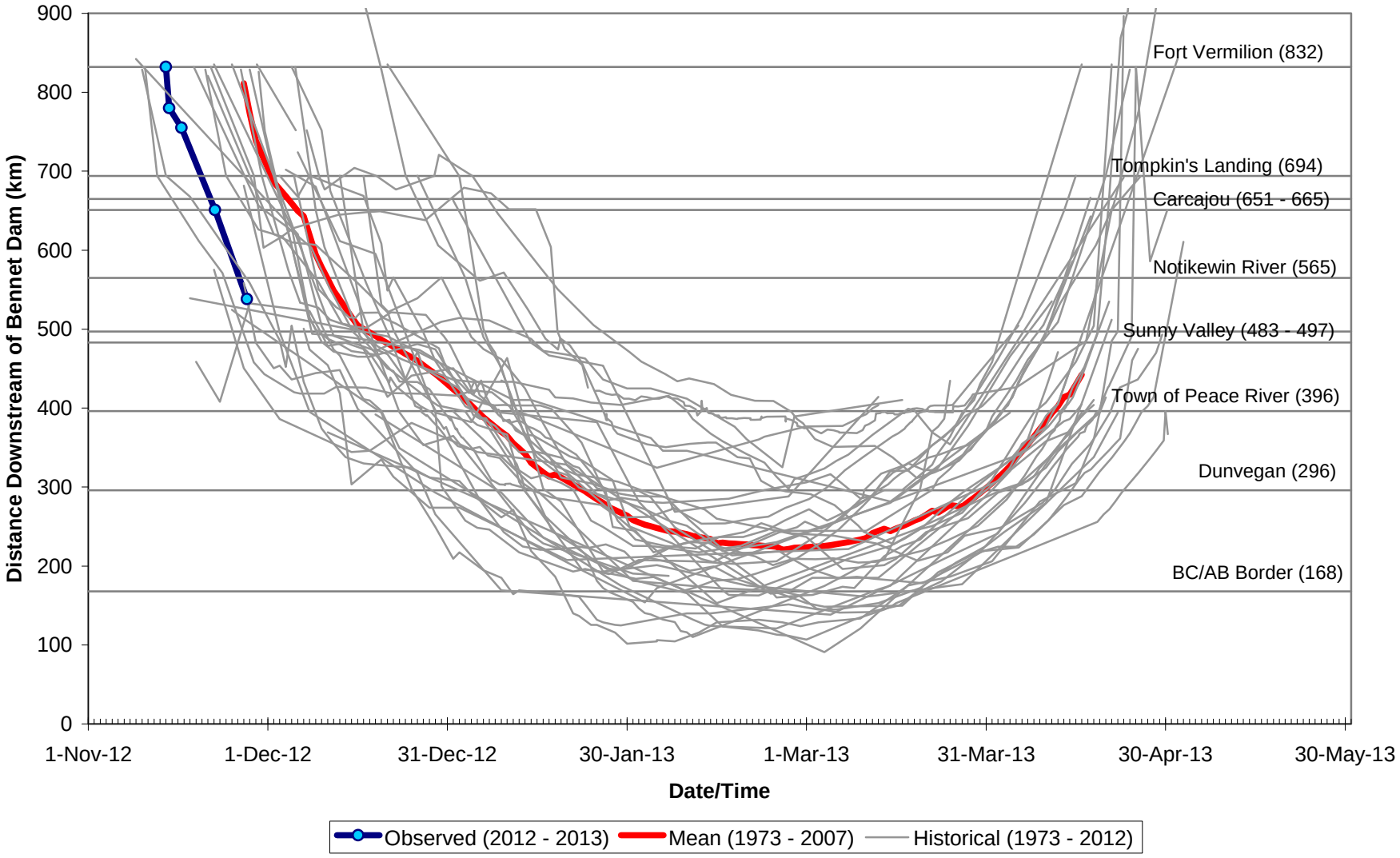
The next observation report will be posted on or before Monday, December 3.

Media inquiries may be directed to:
Alberta Environment and Sustainable Resource Development,
Communications
780-427-6267
For toll-free access outside Edmonton, please dial 780-310-0000.

Temperature Forecast

The following table contains Environment Canada's observed and forecasted daily maximum and minimum temperatures through to Monday, December 3.

Day	Date	Location		
		High Level	Peace River	Fort St. John
Yesterday	26 November	-17.9 / -26.1	-12.9 / -15.8	-11.5 / -19.3
Today	27 November	-19	-17	-14
Wednesday	28 November	-25 / -30	-21 / -21	-14 / -17
Thursday	29 November	-28 / -36	-21 / -24	-20 / -21
Friday	30 November	-24 / -28	-21 / -23	-22 / -23
Saturday	1 December	-20 / -24	-16 / -21	-19 / -22
Sunday	2 December	-19 / -20	-21 / -23	-21 / -25
Monday	3 December	-20 / -22	-18 / -25	-19 / -22
Average Max/Min for 27 November		-12 / -22	-7 / -16	-6 / -16

Alberta Government

Observed Peace River Ice Front Locations 2012-2013