Alberta Environment
Peace River Ice Observation Report No. 2 – 2007/2008

Report: December 10, 2007
Report by: Evan Friesenhan, Willi Granson and Bernard Trevor

Observation Summary:

Freeze-up of the lower portions of the Peace River has occurred and the ice front has moved rapidly upstream since the last report. In the last week the ice front has advanced approximately 258 km. Presently (as of 09:35 MST, Dec. 10) the ice front is located at km 494 (approximately 98 km downstream of the Town of Peace River). With the advent of warmer temperatures, in the upper reaches of the Peace River, the rate of advance of the ice front is expected to slow. Alberta Environment is continuing to observe freeze-up on the Peace River and is conducting river ice observation flights. Alberta Environment is also in contact with BC Hydro regarding operation of their facilities.

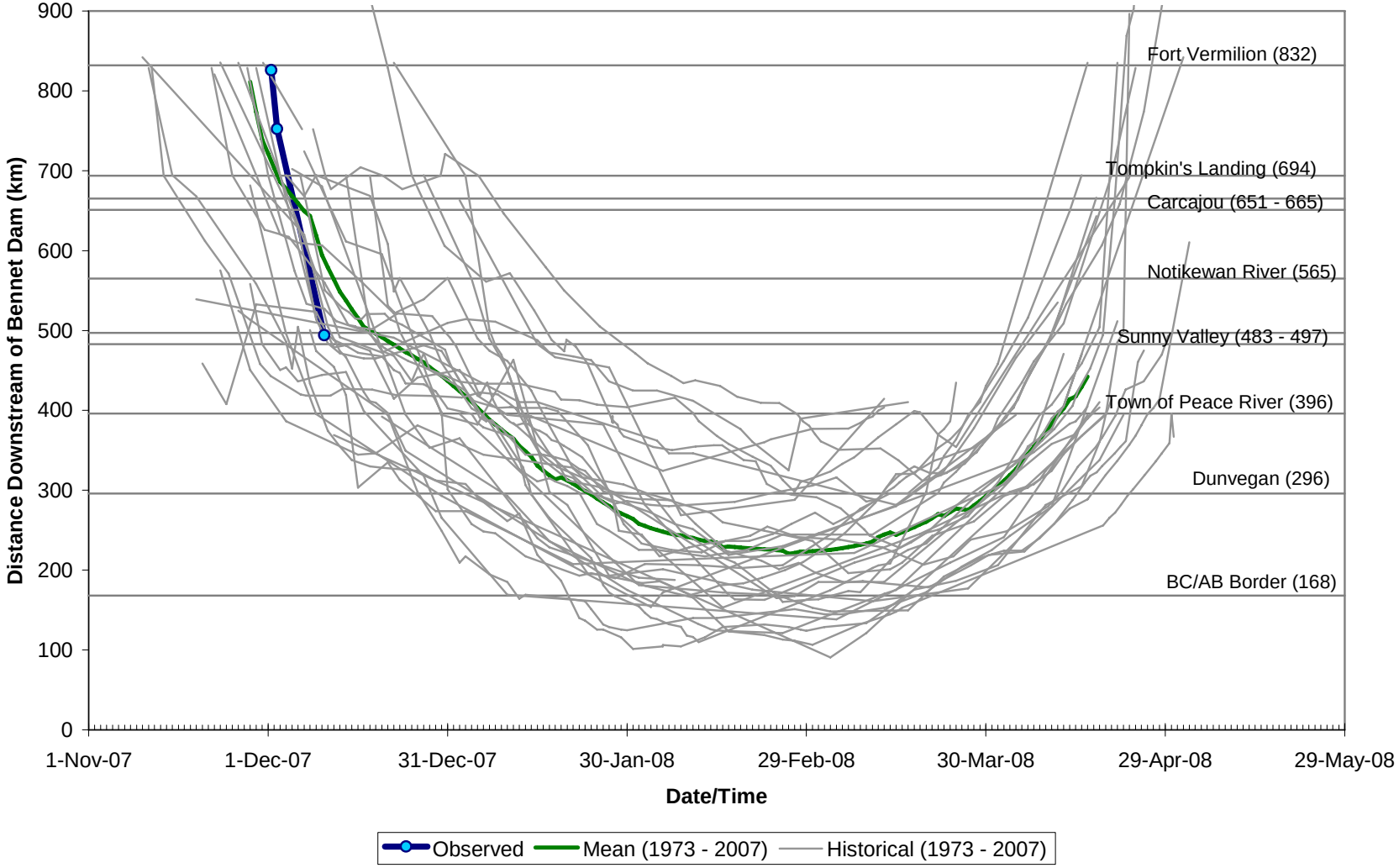
Observation Details:

- km 405 – Surface ice coverage is estimated at 15% and is composed of small, single pans.
- km 425 – Surface ice coverage is estimated at 30%.
- km 450 – Surface ice coverage is estimated at 40%.
- km 455 (Whitemud River) – Surface ice coverage is estimated at 70%.
- km 460 – Surface ice coverage is estimated at 30%.
- km 487 – Surface ice coverage is estimated at 80%.
- km 490 – Upstream limit of backwater.
- km 492 to 494 – Surface ice coverage estimated at 100%. Cover is moving very slowly.
- km 494 (N1/2-04-91-21-W5) – Ice front at 09:35 MST.
- km 494 to 496 – Ice cover is juxtaposed.
- km 496 to 517 – Ice cover is semi-consolidated.
- km 520 to 530 – Ice cover is a mixture of juxtaposed and semi-consolidated reaches.
- km 534 to 535 – Ice cover is heavily consolidated.
- km 540 – Observation flight ended due to poor visibility.

Temperature Forecast:

The following table contains Environment Canada's forecast daily maximum and minimum temperatures through to Friday, December 14, 2007.

Location	Today	Tuesday	Wednesday	Thursday	Friday
Ft. St. John	-3/-10	-3/-10	-6/-7	-6/-11	-7/-14
Peace River	-4/-16	-4/-16	-3/-4	-5/-12	-5/-9
High Level	-10/-20	-16/-22	-17/-18	-17/-22	-20/-25

The next observation flight is scheduled for Thursday, December 13th.

Observed Peace River Ice Front Locations 2007/08