Alberta Environment
Peace River Ice Observation Report No. 36 – 2007/2008

Report: March 31, 2008
Report by: Willi Granson and Bernard Trevor

Observation Summary:

An aerial observation performed today by Alberta Environment located the ice front on the Peace River at km 402.5 (roughly 6.5 km downstream of the bridges at the Town of Peace River) at 09:30 MDT. Breakup on the Peace River is proceeding thermally and the river water level has dropped as a result of the ice cover moving downstream. Other major rivers in the Peace region are still ice covered. Alberta Environment remains in contact with BC Hydro regarding operation of their facilities.

Observation Details:

Peace River

- km 371 - At Shaftesbury Crossing, 100% of the channel is open;
- km 390 - Main channel is 95% open at the Shaftesbury Water Treat Plant intake;
- km 394.75 - Ice cover on the Heart River has dropped in response to a drop in water level on the Peace River;
- km 396 - Main channel is 70% open;
- km 402.4 to km 402.5 - Brash ice;
- km 402.5 - Ice front location at 09:30 MDT;
- km 402.75 to km 403.25 - Open lead;
- km 404 to km 416 - Ice cover is very competent and shows no signs of surface melt. Ice cover level has dropped;
- km 417 to km 419.25 - Open lead downstream of DMI.

Smoky River

- km 0 to km 75 - Ice cover is very competent and shows no signs of surface melt.

Little Smoky River

- No changes since March 25 observation.

Heart River

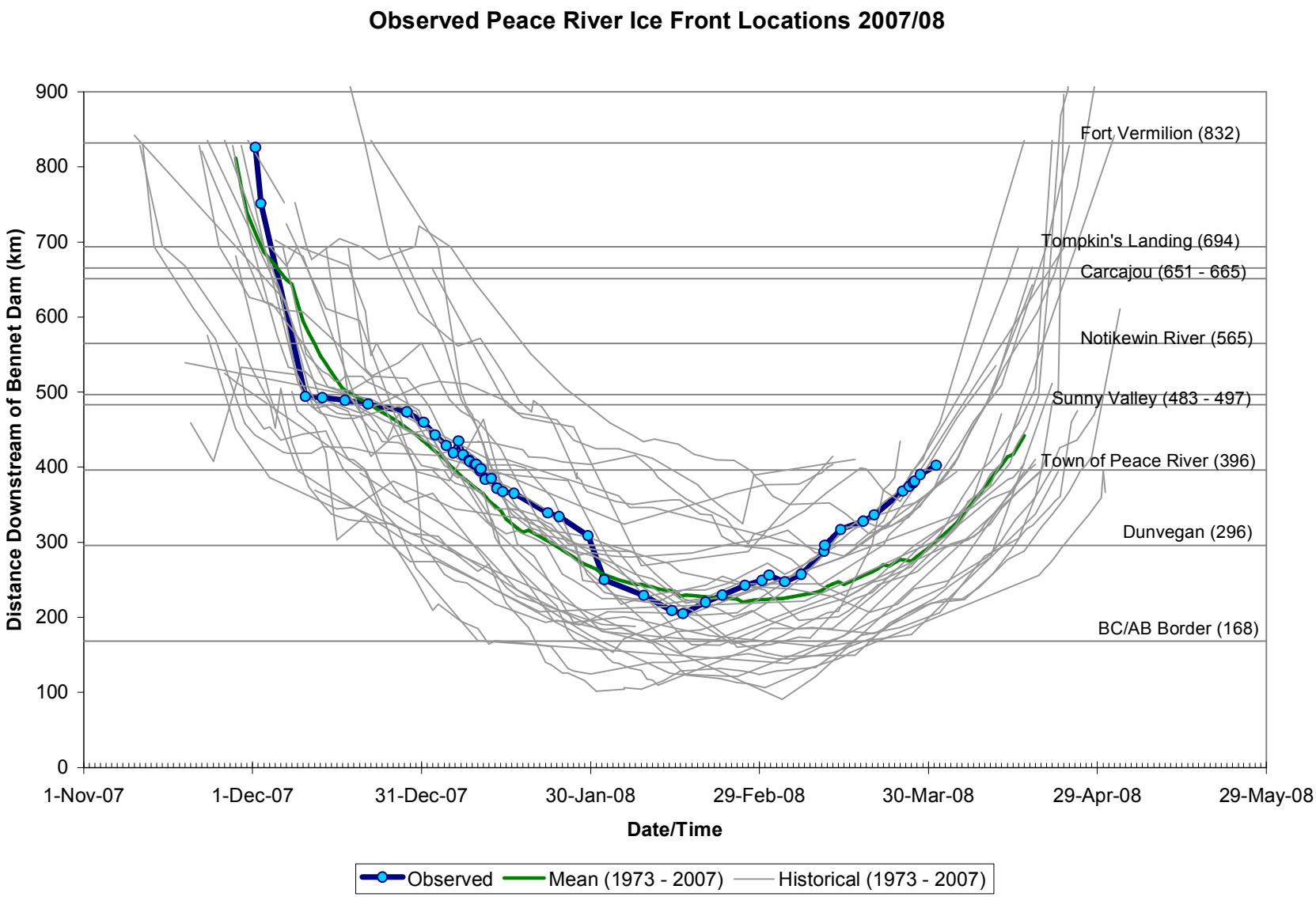
- No changes since March 25 observation.

Temperature Forecast:

The following table contains Environment Canada's forecast daily maximum and minimum temperatures through to Friday, April 4, 2008.

Location	Today	Tuesday	Wednesday	Thursday	Friday
Ft. St. John	2/-7	3/-4	9/-5	6/-3	6/-2
Peace River	1/-12	3/-10	7/-7	4/-3	6/-3
High Level	1/-11	3/-8	6/-12	6/-5	4/-8

The next observation flight is scheduled for April 2nd.


Observed Peace River Ice Front Locations 2007/08
Distance Downstream of Bennet Dam (km)
900
800
700
600
500
400
300
200
100
0
1-Nov-07
1-Dec-07
31-Dec-07
30-Jan-08
29-Feb-08
30-Mar-08
29-Apr-08
29-May-08
Date/Time
Fort Vermilion (832)
Tompkin's Landing (694)
Carcajou (651 - 665)
Notikewin River (565)
Sunny Valley (483 - 497)
Town of Peace River (396)
Dunvegan (296)
BC/AB Border (168)
Observed
Mean (1973 - 2007)
Historical (1973 - 2007)