BC HYDRO OPERATIONS - ICE OBSERVATION REPORT #25

Ground and Remote Camera Observations: March 11 to 13, 2015
Report: March 13, 2015
Report by Martin Jasek and Kerry Paslawski

The responsibility for ice observations on the Peace River passes to BC Hydro from Alberta Environment and Sustainable Resource Development (AESRD) when the ice front is upstream of Dunvegan. That responsibility was transferred on January 9, 2015. The numbering of reports is a continuation of the AESRD reports.

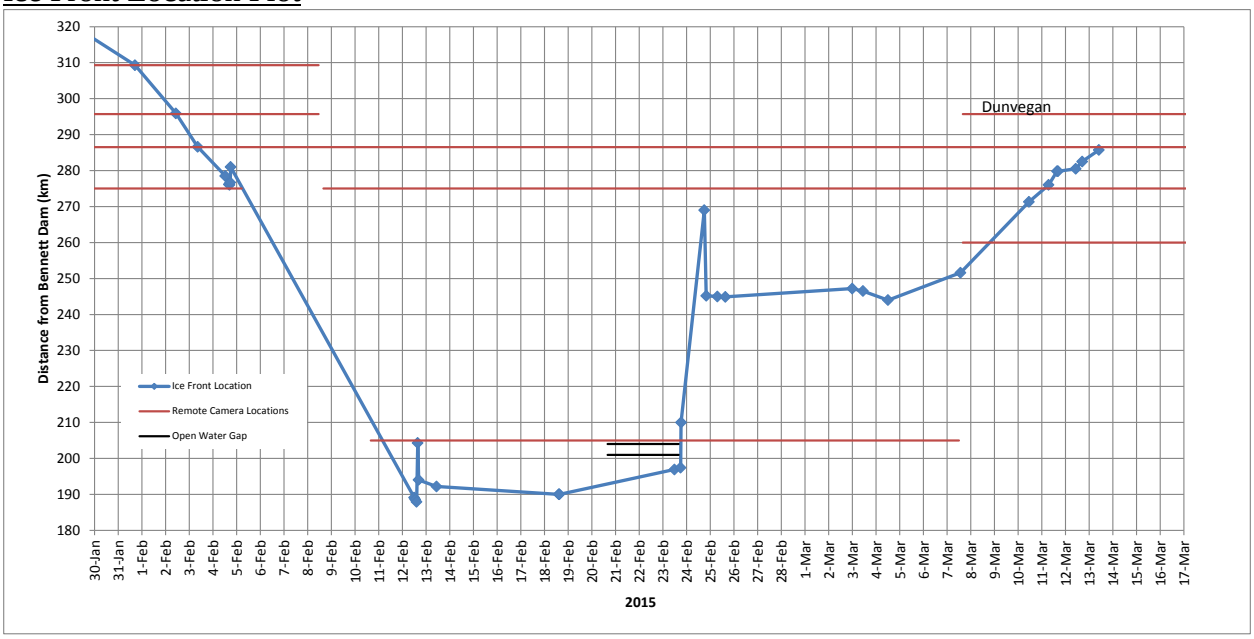
Summary

Since the last by remote camera on Mar 11, 2015 07:00 MST the ice front has receded 9.7 km. There have been a total of 4 ice front observations since the last report:

Date/Time (MST)	km	Source
11-Mar-2015 16:30	**279.8**	Web Camera #4
12-Mar-2015 10:30	**280.5**	Web Camera #4
12-Mar-2015 17:00	**282.5**	Web Camera #4
13-Mar-2015 09:50	**285.7**	BC Hydro Ground Observation

The last observation from this morning placed the ice front 122 km downstream of the Clayhurst Bridge near the BC-AB Border, 10 km upstream of Dunvegan, 109 km upstream from the Town of Peace River, and 98 km downstream of its most upstream extent on Feb 18. Between the last 4 observations, the ice front has been receding at 3.8, 0.7, 2.0 and 3.2 km/day. With the extremely warm temperatures today, it is expected that the ice front will reach Dunvegan in the next day or two.

Ice Front Location Plot



Looking downstream at the ice front at km 276.0 on Mar 11, 2015 07:30 MST. The upstream end of the brash ice is at km 275.2.

Looking downstream at the ice front at km 279.8 on Mar 11, 2015 16:30 MST.

Looking downstream at the ice front at km 280.5 on Mar 12, 2015 10:30 MST.

Looking downstream at the ice front at km 282.5 on Mar 12, 2015 18:30 MST.

Looking downstream from km 275 on Mar 13, 2015 07:00 MST. Ice front is out of sight by at least 9 km.

Environment Canada Temperatures (°C)			
		Fort St. John	Town of Peace River
Observed:		**Max/Min**	**Max/Min**
Wed	04-Mar-15	**4.1 / -17.5**	**-0.7 / -21.8**
Thr	05-Mar-15	**5.8 / -0.5**	**5.2 / -5.4**
Fri	06-Mar-15	**7.1 / 0.4**	**4.9 / 0.1**
Sat	07-Mar-15	**6.5 / -2.2**	**3.4 / -2.9**
Sun	08-Mar-15	**8.2 / 2.8**	**9 / 0.2**
Mon	09-Mar-15	**7.1 / -2.4**	**6.5 / -1.4**
Tue	10-Mar-15	**1.2 / -6.8**	**3.5 / -5.6**
Wed	11-Mar-15	**-3.2 / -11.1**	**-5.6 / -9.2**
Thr	12-Mar-15	**8.9 / -12.3**	**6.2 / -9.4**
Environment Canada Temperatures (°C)			
Forecast:			
Fri	13-Mar-15	**13 / 3**	**10 / 1**
Sat	14-Mar-15	**8 / 4**	**11 / 4**
Sun	15-Mar-15	**3 / -7**	**3 / -6**
Mon	16-Mar-15	**1 / -6**	**6 / -8**
Tue	17-Mar-15	**8 / -1**	**6 / -4**
Wed	18-Mar-15	**6 / -4**	**8 / -4**
Thr	19-Mar-15	**3 / -6**	**6 / -5**
Normal Max/Min		**0 / -9**	**0 / -12**

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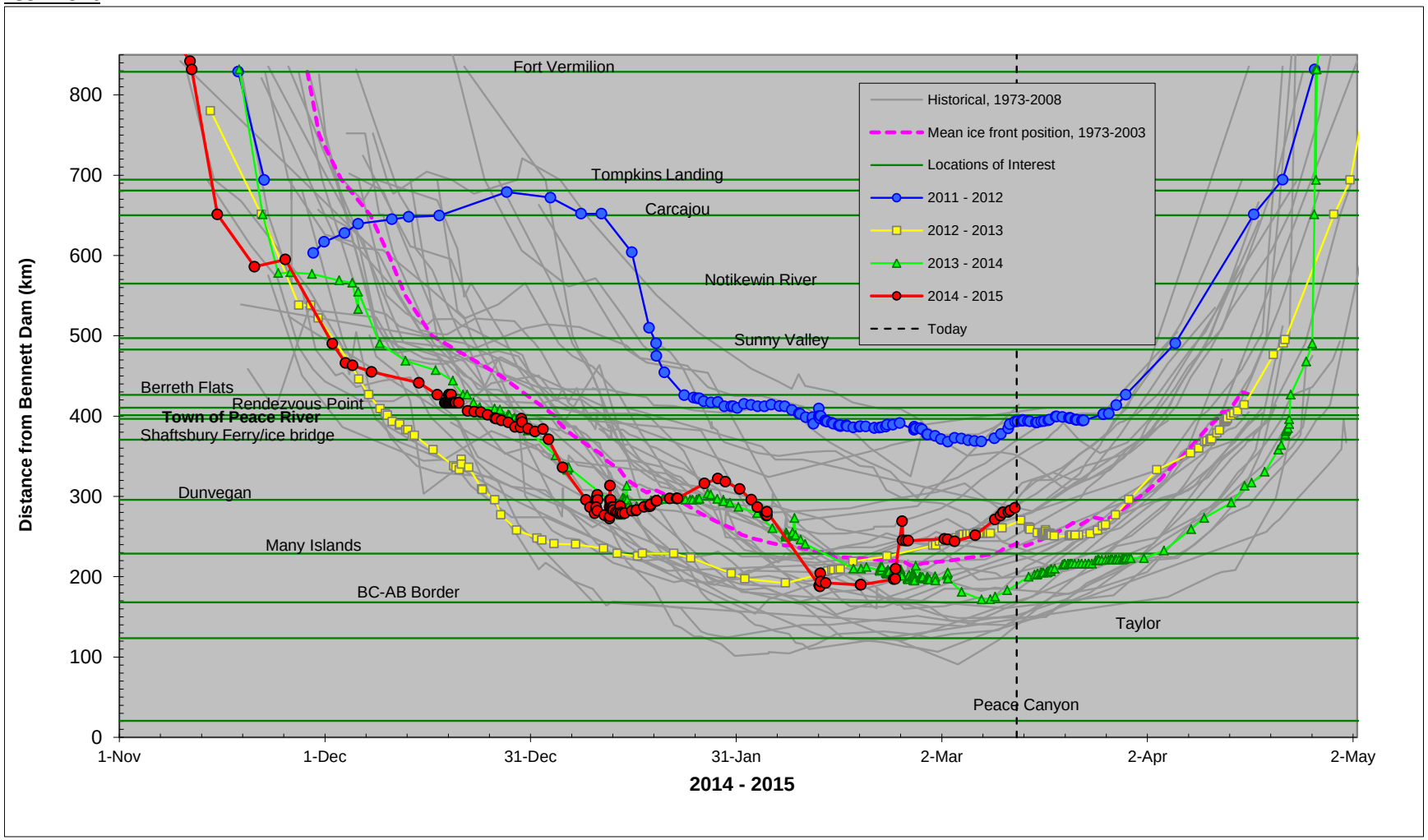
Ice Front



The next ice observation report will be issued on Monday, March 16.