

2015 SECOND SPRING FLOOD OUTLOOK FOR MANITOBA

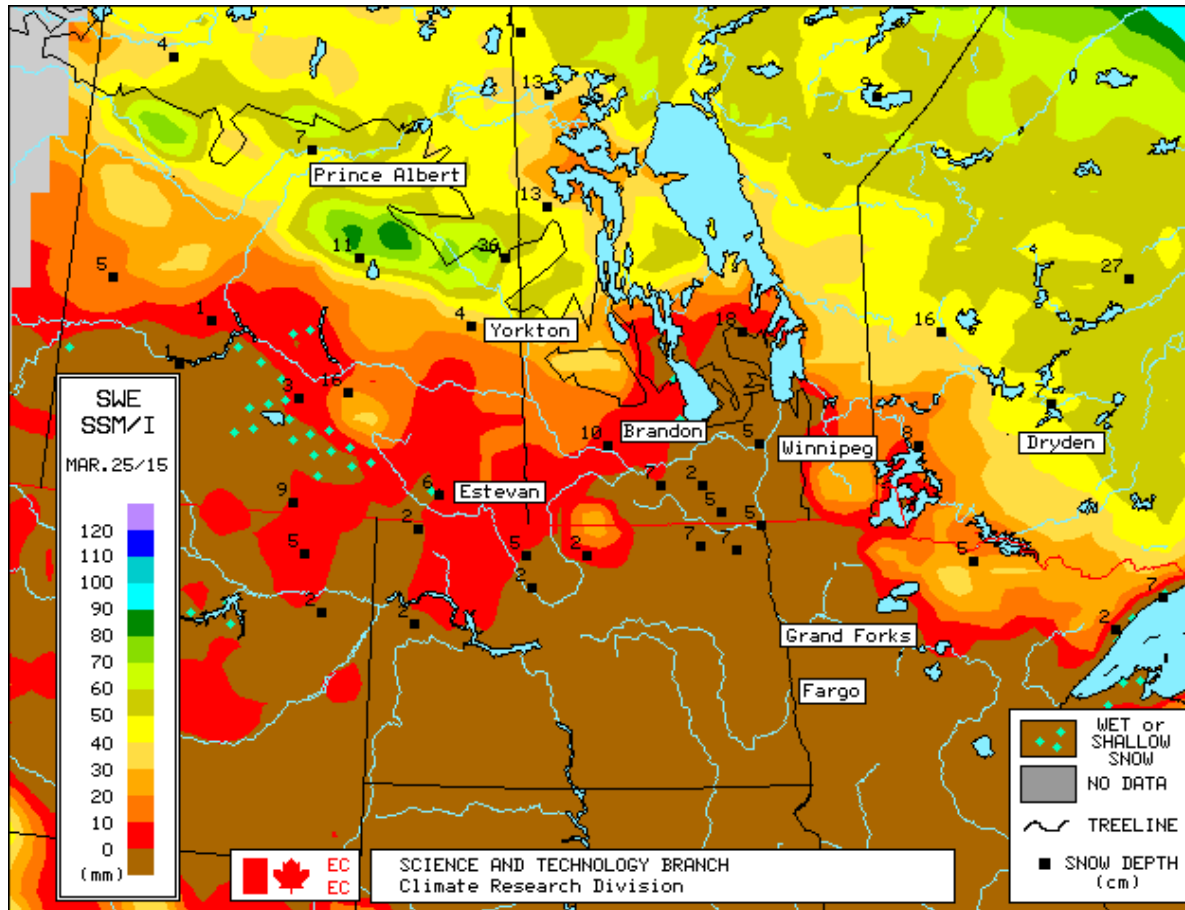
**Hydrologic Forecast Centre
Manitoba Infrastructure and Transportation
Winnipeg, Manitoba**

March 27, 2015

Spring Flood Risk Lower

- **Most of the Flood Risk due to spring runoff is passed**
- **Above freezing temperatures in early March have caused early spring snow melt in most areas.**
- **Vulnerable risk remain in specific areas**
 - **Lake St Martin**
 - **Whitewater Lake**
 - **Lake Winnipegosis**

Satellite Image – As of March 25



Satellite Image of Snow-Water-Equivalent for March 25, 2015 – Source: Env. Canada

- **Spring Runoff in most Major Rivers & Creeks has peaked between March 15 to 25**
- **Red River and Tributaries**
- **Souris River and Tributaries**
- **Pembina River and Tributaries**
- **Whitemouth River**

- **Interlake:**
 - **Fisher River,**
 - **Icelandic River**
- **Lower Assiniboine River and Tributaries**
- **Qu'Appelle River**
- **Most of rivers and creeks in the western part of the province:**
 - **Duck Mountain**
 - **Riding Mountain**

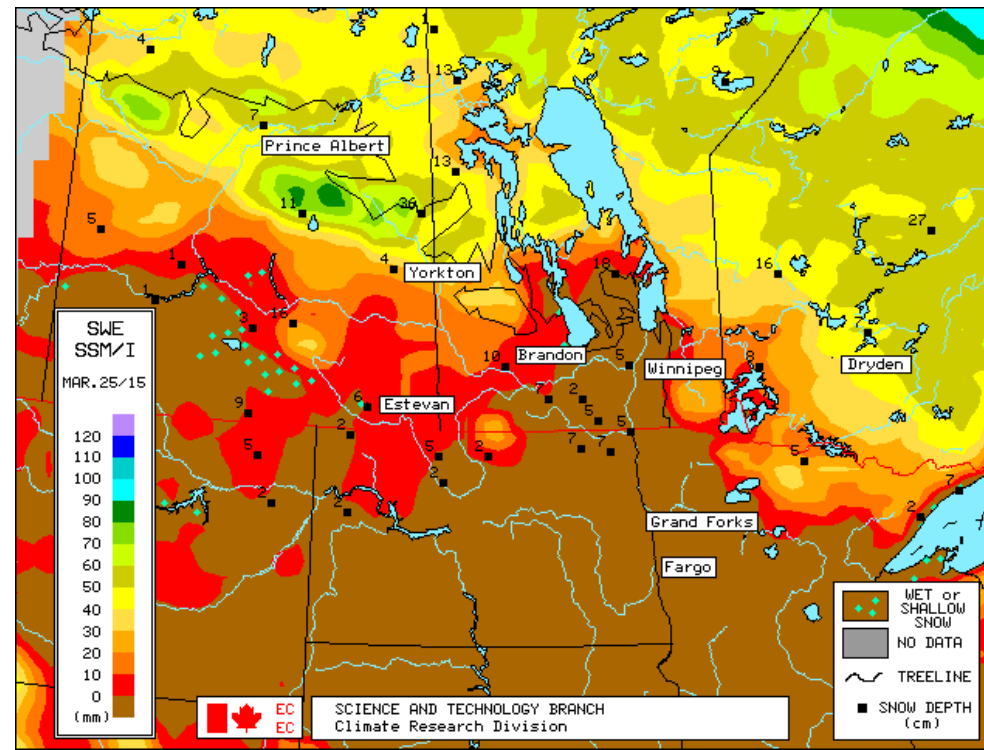
Spring runoff is yet to start within northern and northwestern regions:

- **Substantial amount of snow on the ground**

- Saskatchewan River,
- Carrot River and
- Upper Assiniboine River

- **Levels will start to rise early April**

- **The Risk of Flooding is Minor to Moderate**



Lakes Forecast:

- **High Risk Areas Still Remain**
- **Whitewater Lake**
 - **Expected to peak between 1633 ft – 1633.5 ft**
 - **Well above the longterm average of 1628 ft**
- **Lake St Martin**
 - **Expected to peak between 801.29 ft to 801.44 ft**
 - **Above the flood stage of 801.0 ft**
- **Lake Winnipegosis –**
 - **Expected to peak between 833.01 ft - 833.40 ft**
 - **Well above the longterm average of 831.3 ft**

Lakes Forecast:

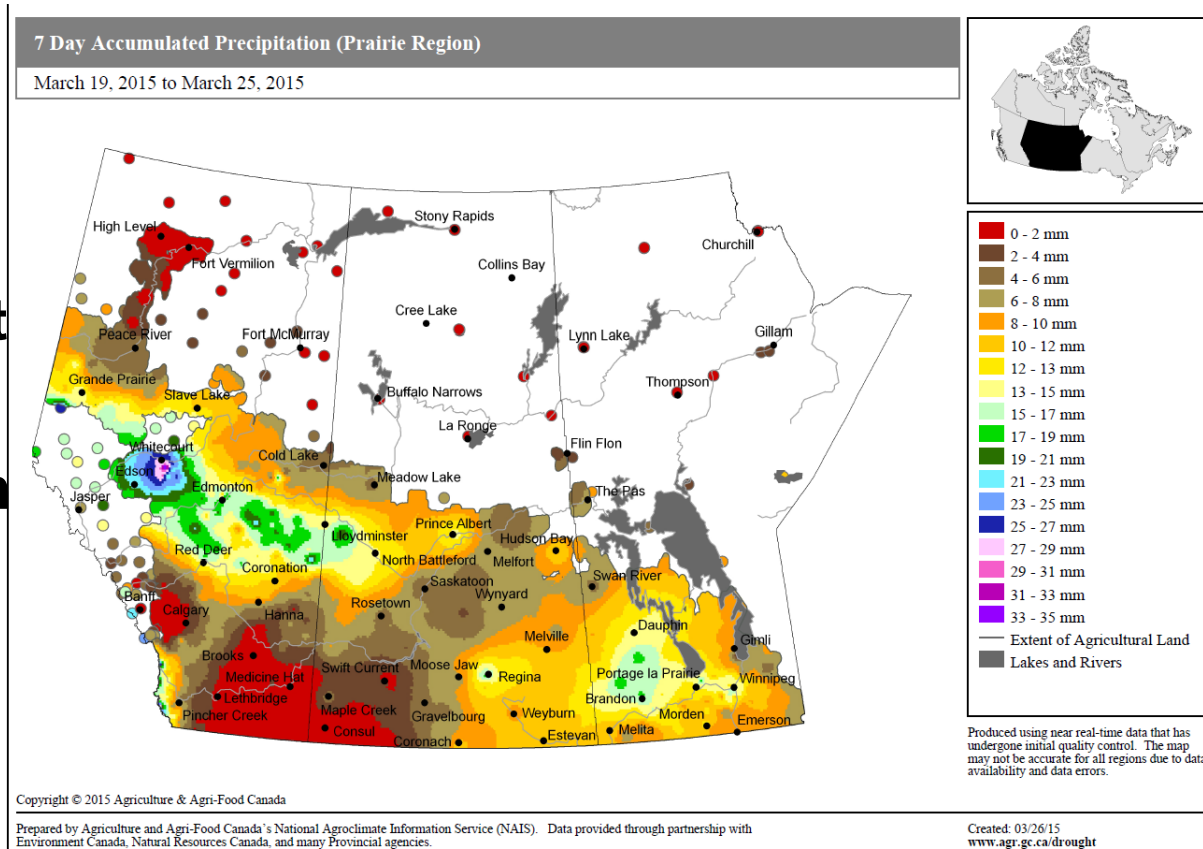
- **Most other lakes are expected to be below flood stage after the spring runoff**
- **Lake Manitoba**
 - **Expected to peak between 813.08 ft to 813.18 ft**
 - **Flood Stage 814.0 ft**
- **Dauphin Lake**
 - **Expected to peak between 855.6 ft to 856.3 ft**
 - **Flood Stage 858.0 ft**
- **Most Whiteshell Lakes – Below Flood Stage**

The March 23 to 24 Precipitation Event:

- Major Snow Storm throughout Interlake, Southern Manitoba and Southeastern Saskatchewan

4 to 10 inches of snow

Will have minimal effect as most of the rivers & creeks are on recession



Ice Jamming:

- **Ice is deteriorated but still in place in most Manitoba rivers**
 - **Ice Jam Flooding is still a possibility**
- **Lakes are still frozen**
 - **Wind Ice pile up could be a concern when the ice starts to deteriorate**

Future Weather Conditions

- **Short term Forecast:**
 - **No Major Storm Predicted**
 - **Temperature normal to below normal**
- **Long term Forecast:**
 - **Are not often reliable**
 - **Major Storm Events could happen similar to 2014, 2011 etc**