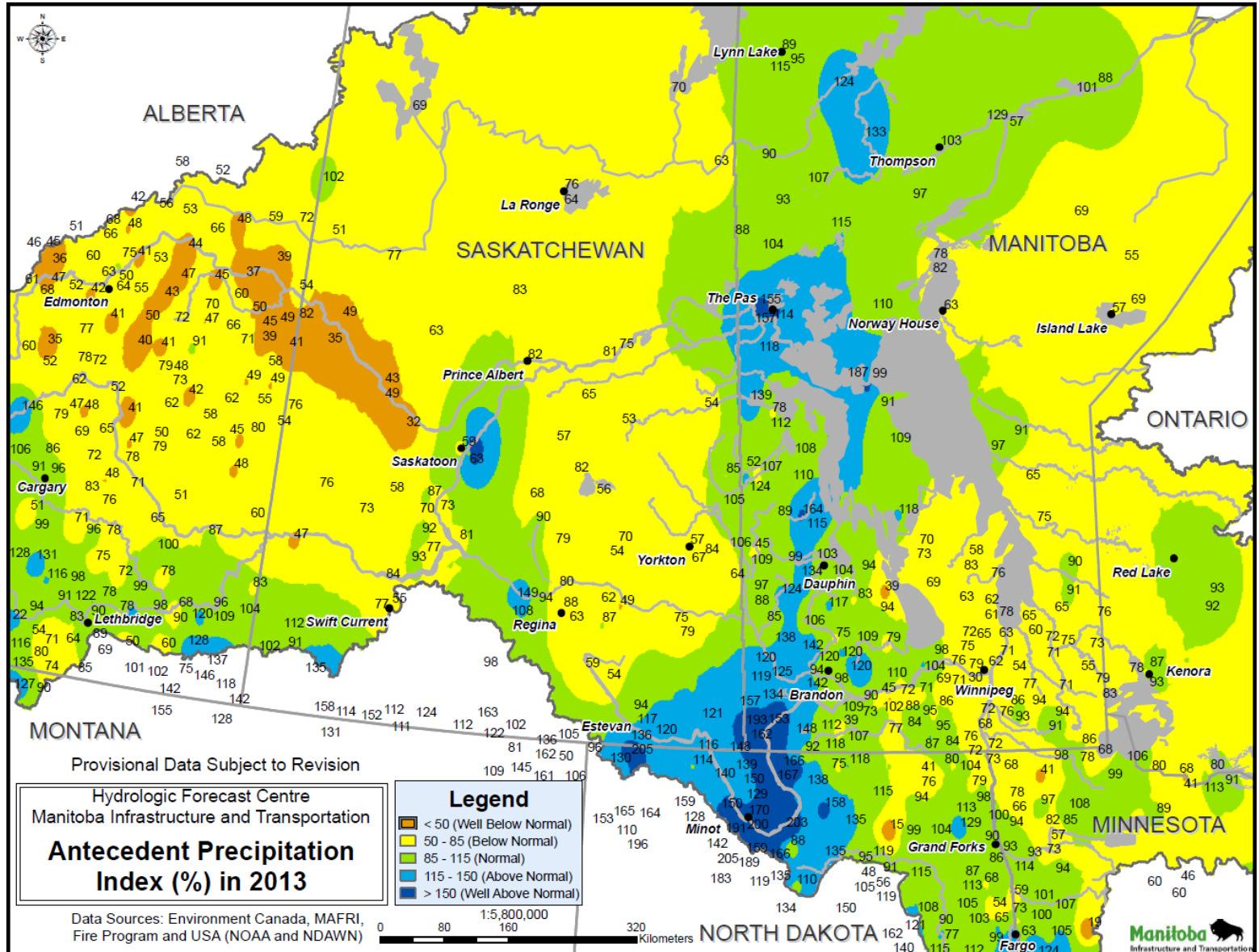


2014 SECOND SPRING FLOOD OUTLOOK FOR MANITOBA

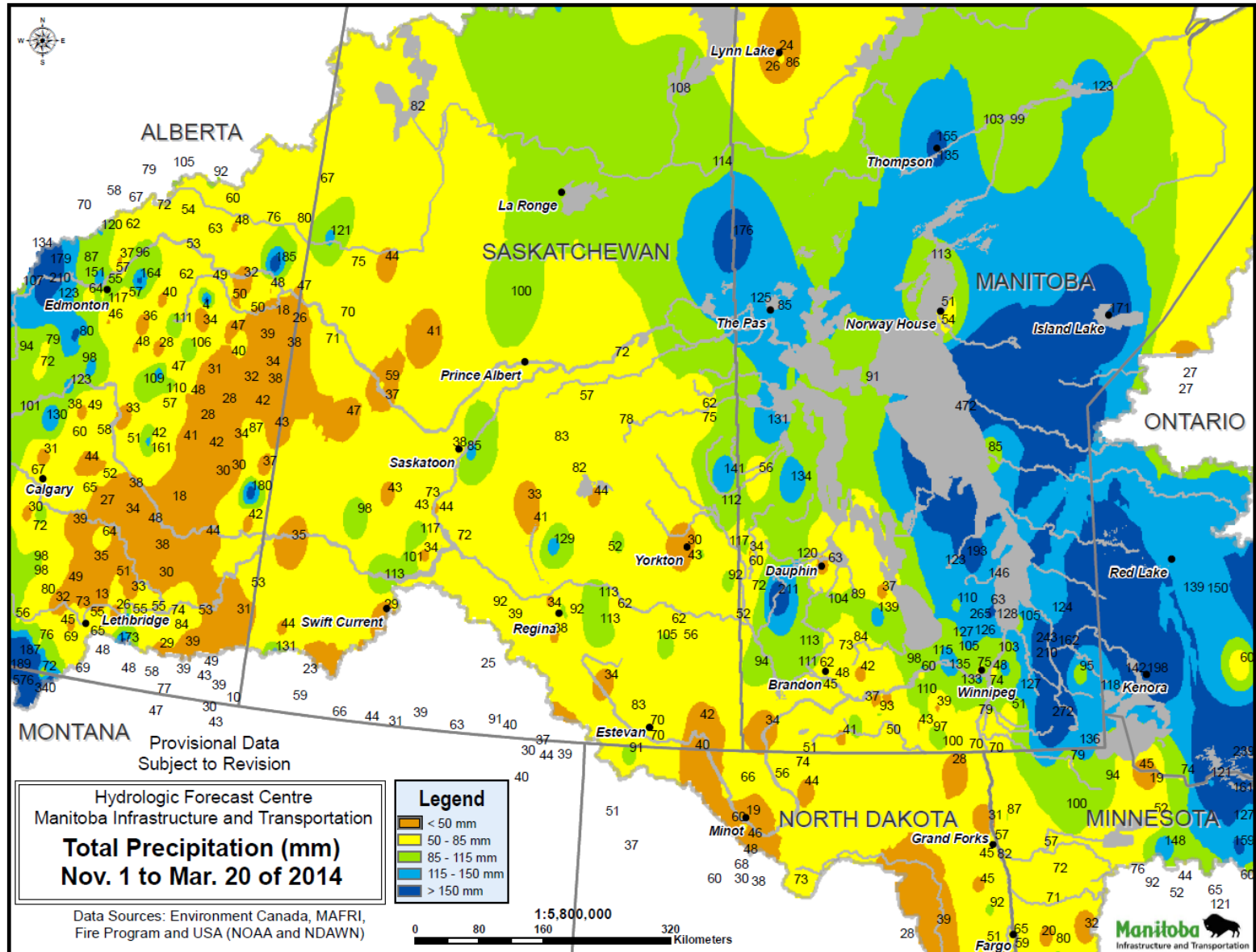
**Hydrologic Forecast Centre
Manitoba Infrastructure and Transportation**

March 31, 2014

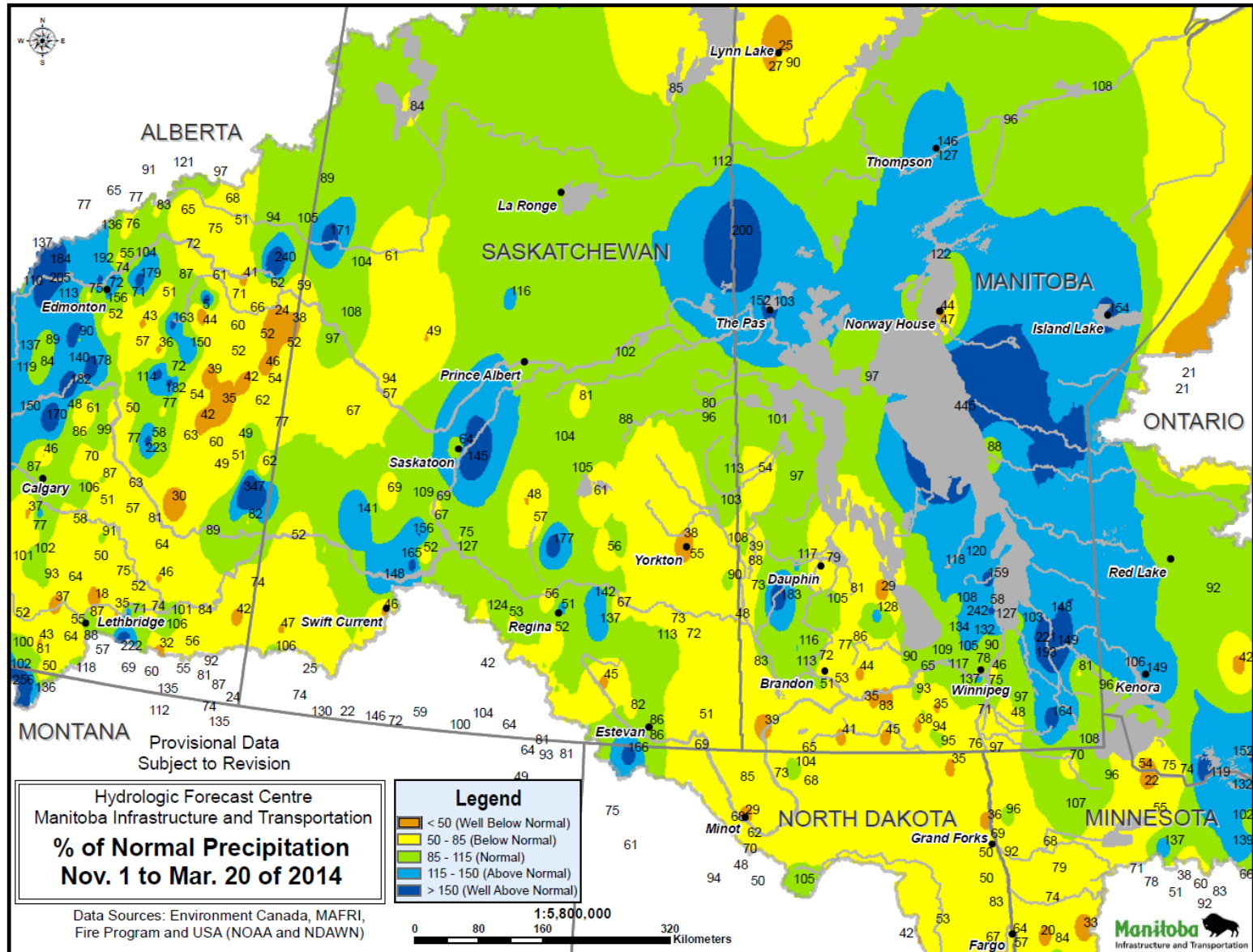
Soil Moisture - API



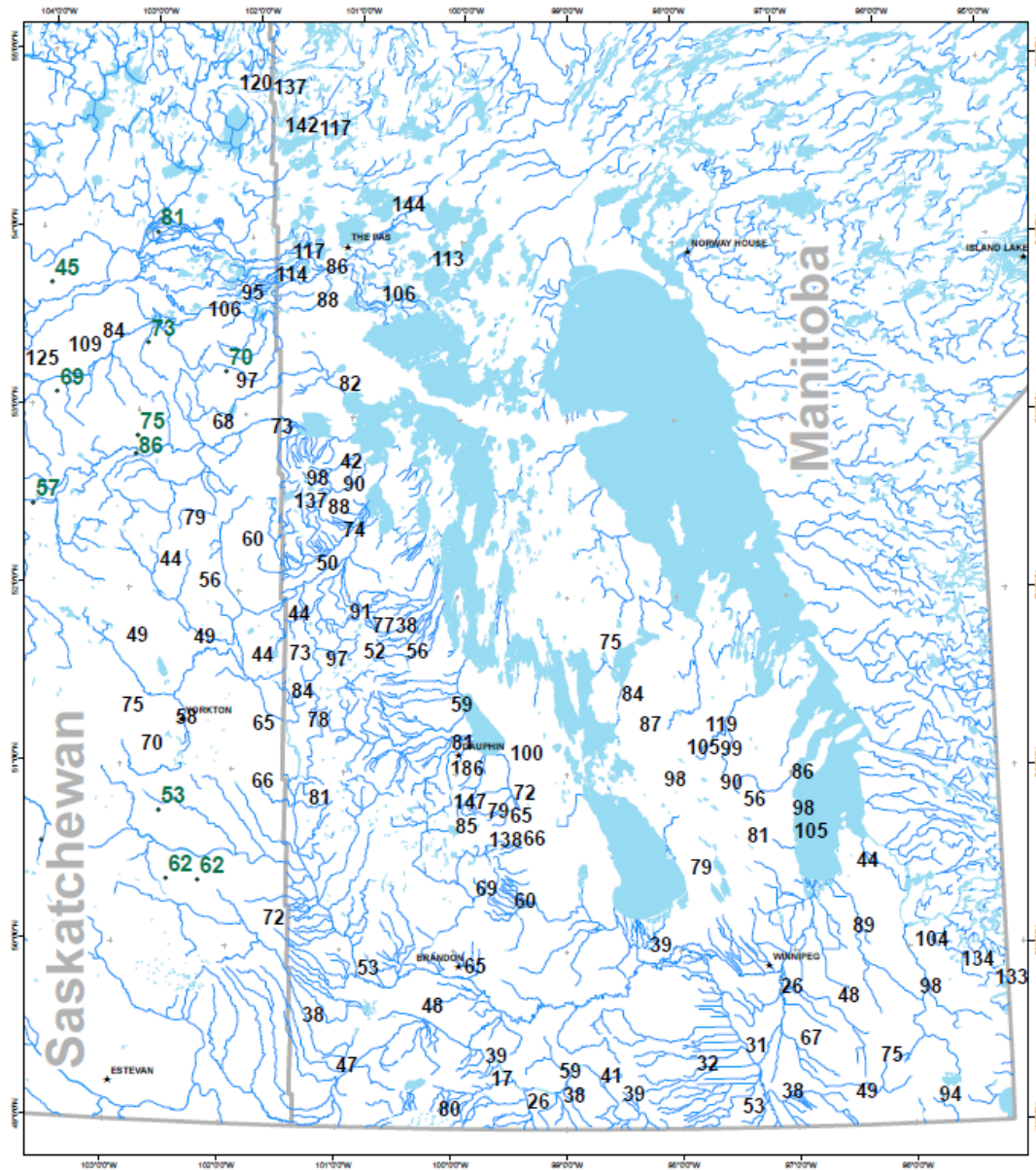
Total Precipitation (mm)



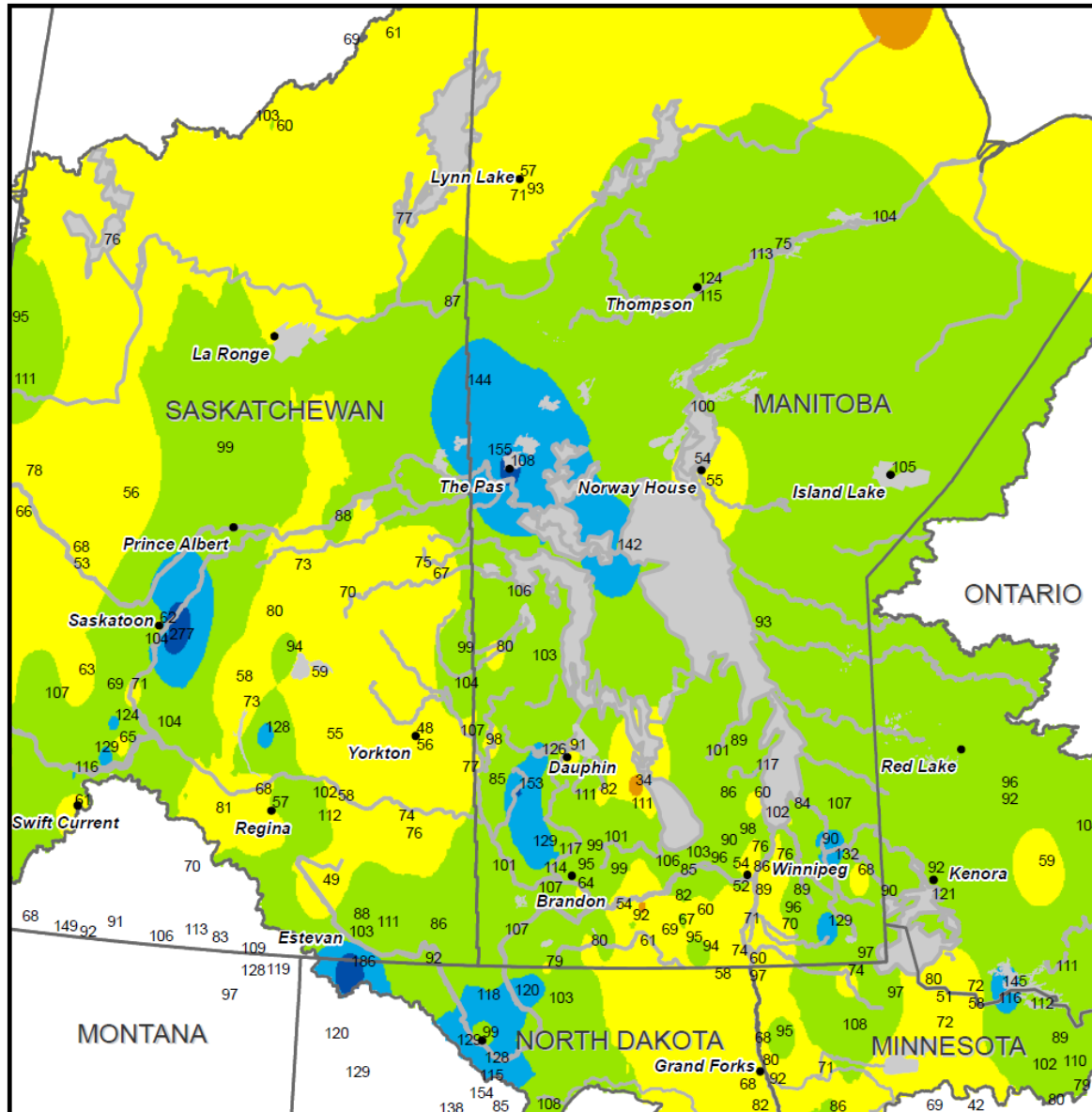
Per Cent of Normal Precipitation



March 12- 24, Snow Survey (mm)



Per Cent of Potential Runoff Index



Percent of Potential Runoff Index (PRI) until March 20th of 2014






Provisional Data Subject to Revision

Hydrologic Forecast Centre
Manitoba Infrastructure and Transportation

Data Sources: Environment Canada, Fire Program, U.S. NOAA

Legend

PRI (%)

-  < 50 (Well Below Normal)
-  50 - 85 (Below Normal)
-  85 - 115 (Normal)
-  115 - 150 (Above Normal)
-  > 150 (Well Above Normal)

North arrow and scale bar.

Scale: 1:6,000,000

Scale bar: 0, 40, 80, 160 Miles

Flood Outlook Summary

	Runoff Potential	River Analog Year
Red River	Below to Near Normal	2012/2008
Pembina River	Below to Near Normal	2010
Roseau River	Near Normal	Less than 2005
Assiniboine River	Near Normal	2008/2010
South West Region (Souris River, etc)	Near Normal	2005/2009
Interlake Region	Near Normal	
Northern Manitoba and The Pas Regions	Normal to Above Normal	2006/2007
Lakes	Generally Near Normal	-

River Ice Thickness:

10% – 20% Thicker than Normal

Operations Forecast

- **Floodway**

- Will not be operated under unfavourable conditions
- On a rare (10 per cent) chance that the flow will exceed the forecasted unfavourable condition, there is a possibility that the Floodway will be operated

- **Portage Diversion**

- Will be operated under unfavourable weather Conditions

- **Shellmouth Dam**

- Unfavourable – levels will be below spillway crest
- The Shellmouth Liaison Committee is continuing to manage operations