

June 23, 2014

## South Saskatchewan River Update



### Current impact in Saskatchewan

The inflows to Lake Diefenbaker from the heavy rainfall events in Alberta are now materializing in Saskatchewan.

Flows peaked in Medicine Hat over the weekend at roughly 3,000 cubic metres per second (m<sup>3</sup>/s), and peak inflows of 3,300 m<sup>3</sup>/s are expected to arrive at Lake Diefenbaker today with the lake level peaking around July 3, 2014.

In order to not exceed the full supply level of Lake Diefenbaker, outflow from Gardiner Dam will be increased from approximately 920 m<sup>3</sup>/s to 1,100 m<sup>3</sup>/s.

This will result in the current water level on the South Saskatchewan River downstream of Gardiner Dam rising by approximately 0.3 m above the current level.

Flooding is likely to occur on some low lying agricultural land located in the flood plain downstream of the dam, however it will be less than the event in 2013 when peak outflow was approximately 2,000 m<sup>3</sup>/s.

With the proactive releases in May and at the start of this rainfall event the Water Security Agency has been able to reduce to the peak 66 per cent from 3,300 m<sup>3</sup>/s to 1,100 m<sup>3</sup>/s.

### **Saskatchewan River System**

On the Saskatchewan River system, flows will be above normal for this time of year but are not expected to cause any flooding issues.

Water levels in the river section below Tobin Reservoir will rise approximately 0.2 m above the current level around June 25 when reservoir outflows are planned to be increased to 1,600 m<sup>3</sup>/s. The Codette and Tobin reservoirs will fluctuate within their normal operating range.

The forecast for stream flows and any other relevant updates will be posted to WSA's website at [wsask.ca](http://wsask.ca).

### **Next Update**

This information will be updated again by end of day on Wednesday June 25, 2014 or if more information becomes available sooner.