



## *Fast Facts*

The following fact sheet will help you answer questions you may receive from visitors to Prince Albert National Park.

### **Lake Levels - May 2006**

#### **1. Waskesiu and Kingsmere Lake levels highest in approximately 20 years.**

- Waskesiu Lake level was 532.484 on May 25, 2006 (up 16 cm from April 25, 2006). This is the highest spring water level observed in approximately 20 years.
- Kingsmere Lake is currently at 539.045, also the highest spring water level recorded in about 20 years.
- Crean Lake is currently at 524.235, the highest spring water level observed since 1992.



Photo submitted to the 2005 Photo Contest by Joel Jackson.  
Copyright Waskesiu Community Council and Parks Canada.

#### **2. Inflow and Outflow**

- Water flowing out of Waskesiu Lake via Waskesiu River was 4.3 cubic metres per second (May 17, 2006).
- Water flows into Waskesiu Lake from many streams such as Beartrap Creek and Kingsmere River.
- Inflow into Waskesiu Lake currently exceeds outflow and this results in rising water levels.

#### **3. High lake levels may cause shoreline erosion**

- High lake levels cause waves to crash against the shore above the 'armour stone' (the large rock that lines the shore). This may cause shoreline erosion such as that occurring near Birch Bay. Shoreline erosion causes 'slumping' where the vegetation and soil on the hillsides falls into the water.
- Shoreline erosion is a result of high water levels.
- Shoreline erosion may be expected to increase around Waskesiu and Crean Lakes because these lakes have/had water control structures (such as dams or the riffle) at their outlets for many years and consequently hold back more water. Shoreline erosion is not expected on Kingsmere Lake because the dam that was once on Kingsmere River was far enough downstream that it did not affect lake levels as much as on Waskesiu or Crean Lakes and shoreline erosion never took place.



Birch Bay 2005

May 26, 2006



Parks Canada  
Parcs Canada

Canada



### Waskesiu Lake Summer Water Levels

