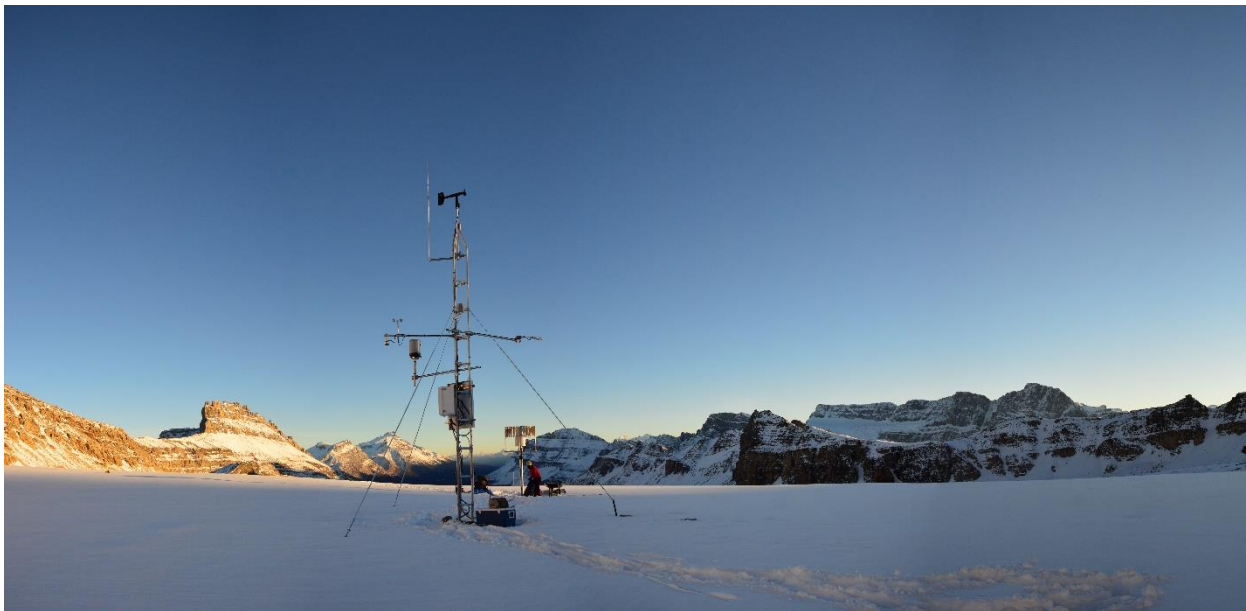


## Research Opportunities with John Pomeroy

There are several research studentships and positions with Professor John Pomeroy, Director of the Global Water Futures Programme (GWF) and of the Centre for Hydrology at the University of Saskatchewan, Saskatoon, Sask. & Canmore, Alberta. GWF is the largest freshwater research programme in the world and is transforming our ability to understand and predict cold regions water security. Exceptional students may also be considered for a \$45,000/year GWF Excellence Scholarship (see [www.usask.ca/water](http://www.usask.ca/water))



### **Canadian Rockies Hydrological Observatory Research Scientist / Coldwater Laboratory Manager**

A rare opportunity exists for a post-doctoral scientist to be a field-based research scientist working in close collaboration with Professor John Pomeroy in conducting cold regions hydrology studies in the Canadian Rockies Hydrological Observatory, UAV-based hydrology studies with the Smart Water Systems Laboratory, and managing the GWF Coldwater Laboratory in Canmore, Alberta. This is part of the Global Water Futures programme. The successful candidate for this job will have a top-rated PhD and substantial publication record and evidence of leading successful field programmes in mountain snow and cold regions hydrology plus interest in leading a UAV and field station based measurement programme in the Canadian Rockies. Proven capability to conduct research outdoors in extreme conditions, exceptional leadership skills and training in wilderness first aid are essential for this position. Experience piloting UAVs and/or in hydrological modelling is an asset. Employment as a Research Scientist is directed only towards those with a valid Canadian work permit. International candidates may be considered for Post-Doctoral Fellow (PhD within 5 years of appointment) or Visiting Professorship (must take leave from home institution) appointments in support of this function.

Based in the Canadian Rockies town of Canmore, Alberta, your primary duties will be:

101-121 Research Dr.  
Saskatoon SK S7N 1K2 Canada  
Tel: (306) 966-1427

- Advance scientific knowledge of mountain hydrological cycling
- Conduct research towards a better understanding of mountain hydrology sensitivity to change
- Contribute towards modelling glacier, alpine and forest hydrology in the Canadian Rockies
- Conduct UAV-based investigation of mountain surface characteristics.
- Engage with stakeholders and users of research in the Canadian Rockies
- Write scientific papers, progress reports, conference presentations
- Assist in mentoring MSc/PhD students, researchers and technicians at the Coldwater Lab.