

Approval

Name: Alexandra Pulwicki

Degree: Master of Science (Earth Sciences)

Title: *Multi-scale investigation of winter balance on alpine glaciers*

Examining Committee: **Chair:** Dan Gibson
Professor

Gwenn Flowers
Senior Supervisor
Professor

Kirsten Zickfeld
Supervisor
Associate Professor

Valentina Radic
Supervisor
Assistant Professor -UBC

Joseph Shea
External Examiner
Research Scientist
Centre for Hydrology
University of Saskatchewan

By tele-conference

Date Defended/Approved: November 17, 2017