

## REVIEW OF THE SCIENTIFIC CONSULTANT OF THE FINAL GRADUATION WORK

Topic of the final graduation work POTENTIALLY OUTBURST LAKES OF MOUNTAINOUS ALTAI

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Educational program Cold Regions Environmental Landscapes Integrated Science (CORELIS)

Level: Master's program

Scientific Supervisor \_\_\_\_\_  
(Full name, academic title, academic degree)

Professional Requirements	Corresponds	Mostly correspond	Not correspond
to be able to correctly formulate and set tasks (problems) of their activities in the performance of work, analyze, diagnose the causes of problems, determine their relevance	X		
establish priorities and methods for solving set tasks (problems);	X		
to be able to use, process and analyze modern scientific, statistical, analytical information;	X		
own modern methods of analyzing and interpreting the information received, to assess their capabilities in addressing the tasks (problems)	X		
to be able to rationally plan the time of work's performance, determine the correct sequence and volume of operations and decisions in the performance of the task;	X		
be able to evaluate objectively the results of calculations and calculations;	X		
to be able to analyze the results of data interpretation;	X		
know and apply methods of system analysis;	X		
be able to implement interdisciplinary research;	X		
to be able to make independent substantiated and reliable conclusions from the work done			
to be able to use scientific literature and a professional orientation	X		
to be able to apply modern graphic, cartographic, computer and multimedia technologies in the study	X		
to be able to use cartographic methods using GIS	X		

Noted advantages of work

This is really a very well written thesis in geomorphology/glaciology. Congratulations! The problem setting is well presented, the data are of highest interest and are comprehensively discussed. Indeed, the Altai and Tsambagarav mountains are remote and access is for several parts difficult. Consequently data from such regions about potential natural risks are highly appreciated. Daria Dmitrievna Volkova made a comprehensive literature research (a broad variety of international literature included), evaluated remotely sensed data, created new data through extensive and hard field work (particularly extensive bathymetry and tachymetry) and

calculated the probability of lake outbursts. Particularly interesting was also the comparison of results obtained from remote sensing techniques with results from field work.

Noted disadvantages of work \_\_\_\_\_

It is quite difficult to find negative aspects of this work.

The thesis might have been shortened slightly, because some parts are maybe slightly wordy and repetitive. Parts of the materials and methods section, particularly the site description, could have been presented in tables which would have shortened the slightly lengthy descriptions.

Consultant's conclusion \_\_\_\_\_ Excellent thesis

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Scientific consultant \_\_\_\_\_ « 4 » \_\_\_\_\_ June \_\_\_\_\_ 2020 year.

