

**Institute of Water Management  
Scientific Report**

**2013B**

**Scientific-Research Works Planned and Implemented in 2013 Funded by the State Budget of  
Georgia**

**Report on the Reserch Work Completed in 2013 2013**

#	Work	Work Supervisor	Work Performers
1.	Development of uniform methodologies for engineering and melioration assessment of soils	L. Itriashvili	E. Khosroshvili M. Shavlakadze L. Bilanishvili
#	Work	Work Supervisor	Work Performers
2.	Development of basics of organizations for water management exploitation	M. Vartanovi	K. Bziava I. Kechkhoshvili Ph. Lortkipanidze
#	Work	Work Supervisor	Work Performers
3.	Regulation of water regime in the soils of Kolkheti lowland due to farmers' requirements	V. Shurghaia I. Zakaidze	S. Kiknadze L. Maisaia L. Kekelishvili
#	Work	Work Supervisor	Work Performers
4.	Predicting the risk of natural environment during accident risk assessment	L. Purtseladze	V. Shurghaia, S. Kiknadze

**Report on 2013 Work  
(Transitional Topics)**

#	Work	Work Supervisor	Work Performers
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1.	Forecasting mountain slopes degradation processes in the river Duruji	G. Gavardashvili	G. Chakhaia, L. Tsulukidze, R. Diakonidze, T. Supatashvili, I. Iremashvili
#	Work	Work Supervisor	Work Performers
2.	Environmental research in the Black Sea Rivers estuary	G. Gavardashvili	G. Chakhaia, L. Tsulukidze, R. Diakonidze, T. Supatashvili, I. Iremashvili
#	Work	Work Supervisor	Work Performers
3.	Regional characteristics of mudflows, their wave nature and elaboration of the complex methods of struggling against them	O. Natishvili V. Tevzadze.	G. Dokhnadze, Z. Charbadze, , Q. Dadiani, N. Nibladze
#	Work	Work Supervisor	Work Performers
4.	Probabilistic assessment of risks associated with floods	G. Dokhnadze	V. Tevzadze , Z. Charbadze, N. Nibladze, Q. Dadiani .
#	Work	Work Supervisor	Work Performers
5.	Evaluation of the water reservoirs and dams of Georgia and the reliable conditions of their exploitation	I. Iordanishvili	T. Tevzadze M. Shavlakadze E. Khosroshvili D. Potskhveria K. Iordanishvili L. Bilanishvili
#	Work	Work Supervisor	Work Performers
6.	Examination of shaped massives for abrasive sections of water reservoirs	I. Iordanishvili	E. Khosroshvili D. Potskhveria M. Shavlakadze K. Iordanishvili

			L. Bilanishvili
#	Work	Work Supervisor	Work Performers
7.	Elaboration of the selected model of rolling furrower	V. Samkharadze	V. Shurghaia L. Kekelishvili
#	Work	Work Supervisor	Work Performers
8.	Classification and tasks of irrigation systems	R. Kiladze	Z. Lobzhanidze L. Kekelishvili
#	Work	Work Supervisor	Work Performers
9.	Elaboration of technologies for surface irrigation	T. Gvelesiani	K. Iordanishvili L. Kekelishvili L. Purtseladze
#	Work	Work Supervisor	Work Performers
10.	Evaluation of modern measures against landslide events and development of new effective measures	G. Chakhaia	L. Tsulukidze G. Omsarashvili T. Supatashvili I. Khubulava N. Sukhishvili O. Okriashvili
#	Work	Work Supervisor	Work Performers
11.	Determination of sensitive sites caused by disasters on the territory of Georgia and their classification according to the expected risk	R. Diakonidze	L. Tsulukidze G. Omsarashvili T. Supatashvili I. Khubulava
#	Work	Work Supervisor	Work Performers
12.	Recommendations for projecting modern irrigation systems	Sh. Kupreishvili	P. Sichinava Z. Varazashvili K. Iordanishvili K. Bziava

			J. Kakhadze I. Kechkhoshvili Ph. Lortkipanidze
#	Work	Work Supervisor	Work Performers
13.	Research of the technical species of the plant "Pavlonia" in the soil salinity conditions for the purpose of obtaining industrial timber	G. Kakashvili	J. Kakhadze