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## Landslide sites investigation of motor-roads on the basis of optimum risk method

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During landslide areas investigation in Sochi region (Russia) it has been inspected more than sixty landslide sites. Operations included the analysis of archival materials, routing survey of territory. Results of landslide sites investigation of motorways are presented. Researches has been accomplished on the basis of a optimum risk method. By results of researches in the shortest terms and at a minimum of the engineering - geological survey data, the landslide risk level has been appreciated on the basis of risk factors. For an estimation of a risk class during landslide areas investigation in Sochi the following factors were considered: - A class of a motorway; - A damage rate of a traffic-bearing surface; - Availability of cracks and magnitude of crack opening displacement; - An expansion of the motorway sites; - Height and incline of the slopes; - Capacity and volume of hazardous geological processes; - Erosion processes and water-saturation of a ground; - Availability of vegetation on the slope; - Availability of an engineering protection measures and a level of their damage: - Threat to inhabited objects and population; - The human factor. The approach has allowed objectively, on the basis of quantitative risk assessment, to classify objects to prior-ity works and potential losses.