

POPLAVE I KLIZIŠTA NA PODRUČJU GRADA TUZLA UZROKOVANI PRIRODNIM NEPOGODAMA U 2014. GODINI

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U radu je analizirana pojava poplava i klizišta na području Grada Tuzla, uzrokovanih natprosječnim količinama padavina tokom 2014. godine. Vodostaji, proticaji i poplave, izazvane prirodnim nepogodama iz maja i augusta 2014. godine bile su znatno viših razmjera u odnosu na ranije registrovane vrijednosti. Uzrok ekstremno visokih vodostaja i poplava u maju je 3,5 puta viša količina padavina, u odnosu na prosječnu mjesečnu vrijednost, koje su se izručile na tlo zasićeno vodom ranijim padavinama. Padavine su izazvale reaktiviranje starih i pojavu novih klizišta, pa i na padinama na kojima ranije nisu registrovana. Ekstremno visoka količina padavina je glavni uzrok destabilizacije padina, ali i negativno antropogeno djelovanje u prostoru. Klizišta su prouzrokovala velike materijalne štete, naročito na stambenim objektima padinskih zona grada i prigradskih naselja.

Ključne riječi: padavine, anomalije, promjenljivost padavina, poplave, klizišta, prirodne nepogode, Tuzla

FLOODS AND LANDSLIDES IN THE CITY OF TUZLA AREA CAUSED BY NATURAL DISASTERS IN 2014

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The paper analyzes the occurrence of floods and landslides in the city of Tuzla area, due to above-average rainfall during 2014. Water levels, flows and floods caused by natural disasters in May and August of 2014 were significantly higher proportions compared to previously registered values. The cause of the extremely high water levels and flooding in May was 3.5 times higher amount of rainfall, compared to the average monthly value, which were extradited to the ground saturated with water of earlier rainfall. Precipitation caused reactivation of the old and the emergence of new landslides, even on slopes where previously were not registered. Extremely high rainfalls are a major cause of destabilization of slopes, but also negative anthropogenic activity in space. Landslides have caused significant material damage, particularly on the residential slope zone of the city and suburbs.

Key words: precipitation, anomalies, variability of rainfall, floods, landslides, natural disasters, Tuzla