

## FLOODING IN THE TERRITORY OF THE REPUBLIC OF UZBEKISTAN AND THE MOVEMENT OF THE POPULATION THEREIN

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**Annotation:** *This article discusses flood-prone areas of our republic and measures to protect the population in these areas, and also provides information on the recommendations and measures developed by the Ministry of Emergency Situations on what to do in the event of a flood.*

**Key words:** *flood, heavy rainfall, flood flow, foothills, safe place, riverbeds, adverse effects of flood, recommendations and development of measures.*

A natural disaster is an extraordinary change that occurs in nature, it is an event that suddenly ends with the disruption of normal living and working conditions of people, the death of people and the death of farm animals, and the disappearance of material wealth.

The peculiarity of the occurrence of natural emergency situations is that the emergency situation occurs outside of human consciousness and its activities.

In order to timely and effectively organize work on the protection of the population and territories from emergency situations related to floods and flash floods, as well as to quickly end their possible consequences, the President of the Republic of Uzbekistan dated February 19, 2007 "Prevention of emergency situations related to floods and flash floods" on measures to receive and eliminate their consequences" with Decision PQ-585 "Regulation on the procedure for organizing work on the prevention of emergency situations related to dangerous hydrometeorology and the elimination of their consequences" and "On the prevention of dangerous hydrometeorological emergencies" and "On the safe use of flood waters and flood flows organization of the main tasks and activities of the government commission against floods to ensure the evacuation, prevention of emergency situations related to floods and floods and elimination of their consequences of ministries, agencies and local authorities functions a have been defined A flood is a dangerous water flow in mountainous areas caused by heavy downpours, rapid melting of glaciers and snow, which carries with it rocks, sand and soil. Flooding is also a dangerous process that occurs as a result of damage to reservoirs. The duration of the flood flow is from 0.5-2 hours to 12 hours, and the speed is from 5-8 m/s to 12 m/s. can reach up to Such a large-scale and high-speed flood will destroy all public facilities, residential houses, hydrotechnical facilities and destroy agricultural crops.

There are many such natural disasters on earth. The strongest flood in Central Asia occurred on June 8, 1921 in the city of Alma-Ata, Republic of Kazakhstan. More than 400 people died as a result of the flood. After the flood, during the cleaning of the city from the

muddy mixed rocks, it was found that the deposit brought by this flood had room for 100 thousand wagons. In the last 100 years, more than 2500 flood events were observed in the territory of our Republic.

Kills people and animals. All mountain and sub-mountain areas in the Republic of Uzbekistan are included in flood risk zones. The regions of Namangan, Fergana, Surkhandarya, Tashkent, Samarkand and Kashkadarya regions of the republic are considered to be flood risk areas. Flooding occurs in April and May, during which there is a lot of rain in the mountain and foothills.

According to the Ministry of Emergencies, about 15 large floods and landslides occurred in Bukhara, Jizzakh, Namangan, Samarkand, Surkhandarya, Syrdarya and Tashkent regions in March-May 2022. As a result, 9 people died. 245 houses, 19 bridges were damaged, more than 450 livestock were killed.

Taking into account that such situations do not occur, the Ministry of Emergency Situations has developed recommendations and measures for the movement of the population in the event of a flood risk.

These recommendations include: Everyone who lives in flood-prone areas should have information about the location of their house and farm in a flood-prone area, and should follow the flood and flood protection guidelines given by Uzgidromet, the Ministry of Emergency Situations, and representatives of the authorities. Flood currents can only be avoided. Actions to move to a safe place should be taken immediately after hearing about the danger of flooding. It should always be kept in mind that due to the quick formation of the flood flow, its speed, the time for spreading the message and carrying out protective measures is very limited (up to 10-20 minutes). If it is not possible to get out of the flash flood, it is necessary to climb a higher hill, a tree or some other higher object.

After the flood has passed, it is necessary to check the condition of walls and pillars, gas, electricity and water supply. Now we will focus on flood mitigation measures.

It is necessary to determine the list of houses and other objects located in the areas where floods are likely to occur, to distribute relevant recommendations indicating the guidelines for measures to be taken for the protection of the population and objects, and to organize a monitoring and notification service in the event of a flood risk. In addition, agrotechnical measures are carried out, that is, cross-cultivation of the land on the slopes, making the mountain slopes step-by-step, opening waterways in the mountain hills, preventing the planting of plowed crops, implementing anti-erosion measures, organizing forestry in the river beds, mountain hills and it will be necessary to preserve them. Flood reservoirs, flood retaining, flood control and anti-flood hydrotechnical structures, flood shelters will be built.

In conclusion, it can be said that taking into account that there are more floods in the territories of our Republic, especially in Fergana, Namangan, Surkhandarya and

Samarkand regions, it is important to have regular contact with the residents living there, to inform the residents of the recommendations and measures developed by the Ministry of Emergency Situations as mentioned above. This will ensure the preservation of material wealth and, most importantly, the survival of people in the event of a flood occurring on the territory of our Republic.

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