

The following information was provided by the Tajik Hydro-meteorological Agency. Assessments of the level of water in main rivers of Tajikistan has been conducted based on the level of snow retention, monthly whether temperature and precipitation

Rivers of Yakhsu, Kizilsu (southern part) and rivers of Hissar Valley (Shirkent, Karatag, Varzob, Sardai Miyona, Sorbo etc.): increased level of water starts 6-15 March and reaches its highest level starting from 22 April (Kizilsu – southern part) to 20 May (Varzob - Dagana).

Basin of Panj River, increased level of water:

- in low streams - starts 2 March and reaches its highest level by 14 July;
- in mid streams - starts 1 April and reaches its highest level 25 June;
- in the riverhead - starts 26 April and reaches its highest level on 17 June;

Basin of Zerafshan River increased level of water:

- in low streams - starts 11 April and reaches its highest level by 12 July;
- in mid stream - starts 11-16 April and reaches its highest level by 24-27 June;
- in riverhead- starts 30 April and reaches its highest level by 19 July.

Vakhsh River increased level of water:

- in low streams - starts 9 March and reaches its highest level by 29 April;
- in mid streams - starts 25 March and reaches its highest level by 16 June;
- in riverhead - starts 2 April and reaches its highest level by 13 July.

Kafirnigan River increased level of water:

- in low streams - starts from 19 February, and reaches its highest level by 6 May;
- in mid streams– starts 3 March and reaches its highest level by 20 May;
- in riverhead – starts 2 April and reaches its highest level by 10 June.

Avalanche prone areas:

Dushanbe-Khujand highway:

The avalanche prone area on the road starts on the 45th km from Dushanbe (further up the Hushiori village) and lasts up to the 102km. In Varzob pass, the most dangerous area is the 55th to 62nd section of the road. The risk of avalanches lasts from November until April. The Anzob pass is closed until June, as the risk of avalanches exists until May.

Most dangerous areas include the lowlands by inflows of rivers of Varzob – Siama, Maikhura and Ziddi).

Another avalanche prone area starts on the 147th km and lasts until the Shahrستان pass of Sughd Oblast.

Dushanbe-Jirgital highway:

The avalanche prone area starts by Nurobod District and lasts up to the Kyrgyz border. The risk of avalanches exists starting from December until March. The most dangerous areas are the sections by Garm and further up Jirgital.

In the lowlands of rivers of Sangi Kar, Sorbog, Yarkhich, Koksou and other inflows of Surkhob river the risk of avalanches is high during November-April.

Dushanbe – Khorog highway:

Avalanche prone area starts from the lowlands of Obokhingou river and continues throughout Kalai khumb. The risk of avalanches exists starting from November to the end of

March. Usually, transportation movement through Khaburabad pass, located on Darwaz range, is closed starting from early December to mid May. Snow starts melting during March and April causing snow avalanches in both slopes of Obokhingou river. Sometimes the height of avalanches reaches 10 meters with 200-300 meters in length.

Heavy avalanches are observed during December through March in Banja, Yazgulom and Bartang valleys, including their inflows. The most dangerous sections is from Rushon towards Khorog, where avalanches may occur starting from December to March.

Kulyab - Kalai khumb highway:

This highway was opened in 1999 and is secure throughout the route. Snow avalanches may occur from February to March in the area of Umarak, Zing, Sangevn and Drobak villages.

Khorog – Ishkoshim highway:

This highway is almost secure during winters with fewer snowfalls, but heavy avalanches having dozens of thousand cubic meters may occur if there were heavy snowfalls during winter. The snow avalanches might occur from December through March.

Also, snow avalanches are observed in riverhead of Zarafshon and its inflows, as well as in slopes by rivers flowing from southern hillsides of Hissor range, including rivers of Shirkent, Karatag, Hanaka, Varzob, Sardai miyona, Sorbo and other. The snow avalanches might occur from December through March at altitude of 2000 meters.