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Record Rainfalls and Floods

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Outline

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Glossary

Word	Translation
liquid	жидкий
flood	наводнение
rainfall	осадки
vapour	пар
shower, downpour	ливень
precipitate	выпадать (об осадках)
raindrop	дождевая капля
wet; humid; moist	мокрый, влажный
terrain	местность
freshet	паводок, половодье
dam	плотина

Flood is the rise of the water level in rivers, usually caused by spring snowmelt and spring summer melting of snow in the mountains; it is a consequence of the flooding of low terrain.



Causes of floods

There are 3 causes of floods:

- * heavy rains,
- * melting of glaciers
- * rise of water level



Definitions

Rainfall is liquid water in the form of droplets that have condensed from atmospheric water vapor and then precipitated - that is, become heavy enough to fall under gravity.



Freshet is the occurrence of a water flow resulting from sudden rain or melting snow

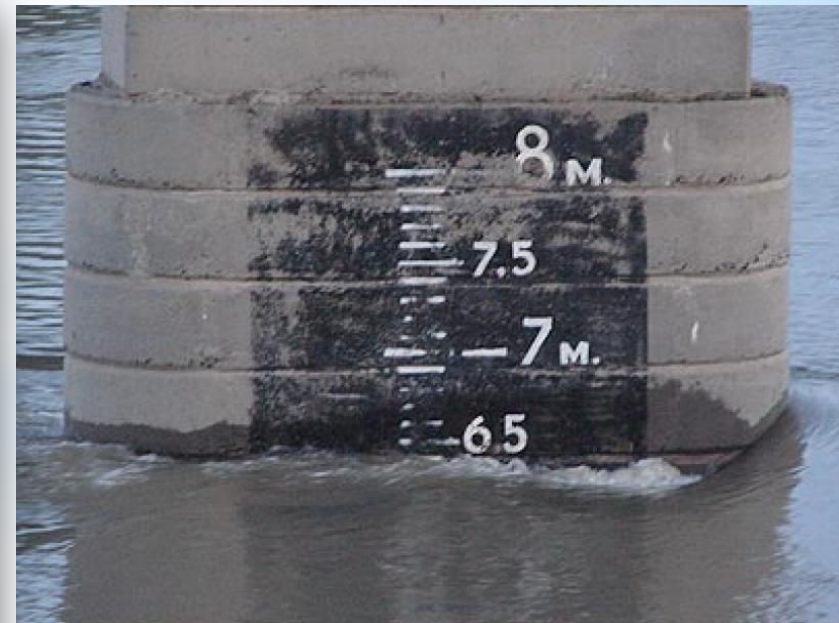




* PRINCESS TARAkanOVA
(1864)
KONSTANTIN DMITRIYEVICH
FLAVITSKY

* Flooding November 7 th day of the year 1824. Wasser-Hohe im Jahr 1824 den 7 Nov. ». (Board of marble. Between Russian and German texts carved feature showing the lifting height of water.)

* Data for May 20, 2007: Board is located on the corner of the building, from the Grand Avenue.



water table

- *The causes of floods are different - record rainfalls, the rise of the sea level and snow melting
- *But rather often floods are the result of human mistakes when for example , the dams ruin or stop working properly. (How it was with Hvdropower station in ...)



Safety instructions

How to behave in an emergency?

- * Turn off gas and water, and disconnect electricity. Redeem naked flame sources (stove, fireplace).
- * Close windows and doors. Put all important documents, money and medicines in a waterproof bag and tie it tightly.
- * Take warm clothes and canned food and the supply of clean drinking water.
- * Go to the evacuation point.



Что делать, если произошло наводнение

Наводнение

временное затопление значительной части суши в результате подъема уровня воды в водоемах, разлива рек, озер, вызванное обильным стоком в период таяния снега, ливней, ветровых нагонов

После предупреждения о наводнении

- 1 Отключить газ, воду и электричество
- 2 Перенести на верхний этаж или чердак ценные предметы и вещи
- 3 Приготовить аптечку
- 4 Упаковать в рюкзак или сумку теплую удобную одежду, одеяла, деньги и ценности
- 5 Завернуть в непромокаемый пакет паспорт и другие документы
- 6 Закрыть окна и двери

При резком подъеме воды

- 1 Спасайтесь на верхнем этаже здания или крыше
- 2 Сигналы спасателям: в светлое время суток – вывешивать на высокое место белое или цветное полотно, в темное – световые сигналы
- 3 Когда подойдет помощь: без суеты и паники, с соблюдением мер предосторожности и требований спасателей переходите в лодку или катер

После того, как вода сойдет

- С осторожностью входите в здание, предварительно убедившись, что его конструкции не пострадали
- Не зажигайте огонь и не включайте электричество – возможна утечка газа
- Просушите дом, оставьте окна открытыми, вынесите все промокшие вещи, соберите воду и влажный мусор

*Never panic. You can save your life, climbing on any available elevation, such as the attic of the house.



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Interesting facts

1. Not all floods are caused by excessive rainfall. Severe flooding can be caused by tsunamis resulting from an off-shore earthquake such as that which happened in recent times in Japan.
2. Flood on the Mississippi River
The Mississippi River is not only famous because of its beauty but also because of its flood in 1993. The flood on this river had damaged 12,000 miles farms and 50,000 homes.
3. The world's heaviest average rainfall (about 430 inches) occurs in Cherrapunji, India, where as much as 87 feet of rain has fallen in one year.
4. Raindrops vary in size from 0.02 inch to about .031 inch diameter.



Video 1

*video2

 **video3**

Questions

1. What are floods?
2. What causes them?
3. What is a freshet?
4. What Russian city often suffers from floods and why?
5. How should you behave in an emergency?

A close-up, black and white photograph of water droplets on a dark, reflective surface. The droplets are of various sizes and are scattered across the frame, with some larger droplets showing more detail. The background is dark and textured, possibly a wet surface like a car window or a piece of fabric. The overall mood is serene and clean.

**Thank you
for your attention!**