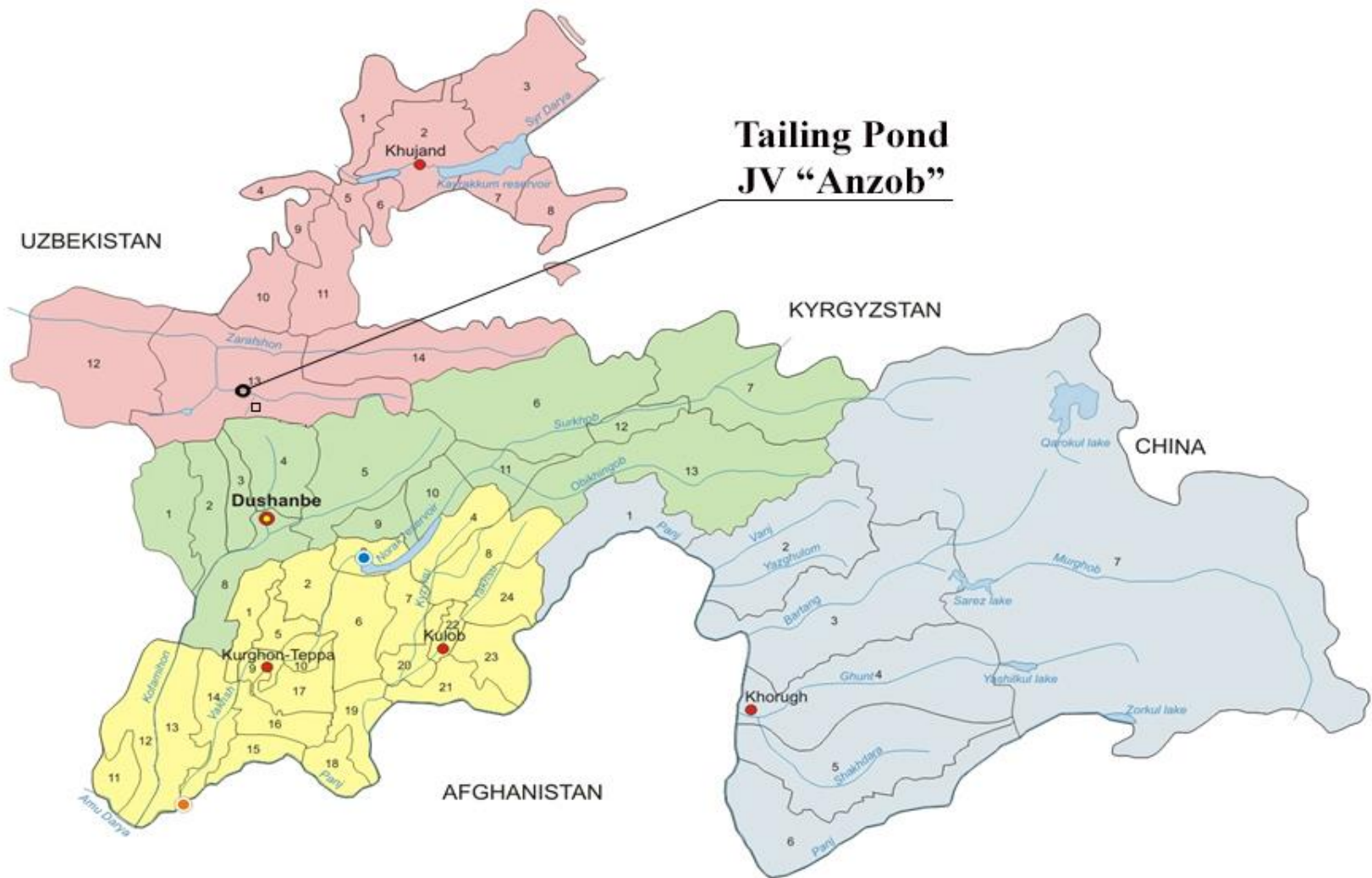


TA LLC JV “Anzob”



Location overview map



General information

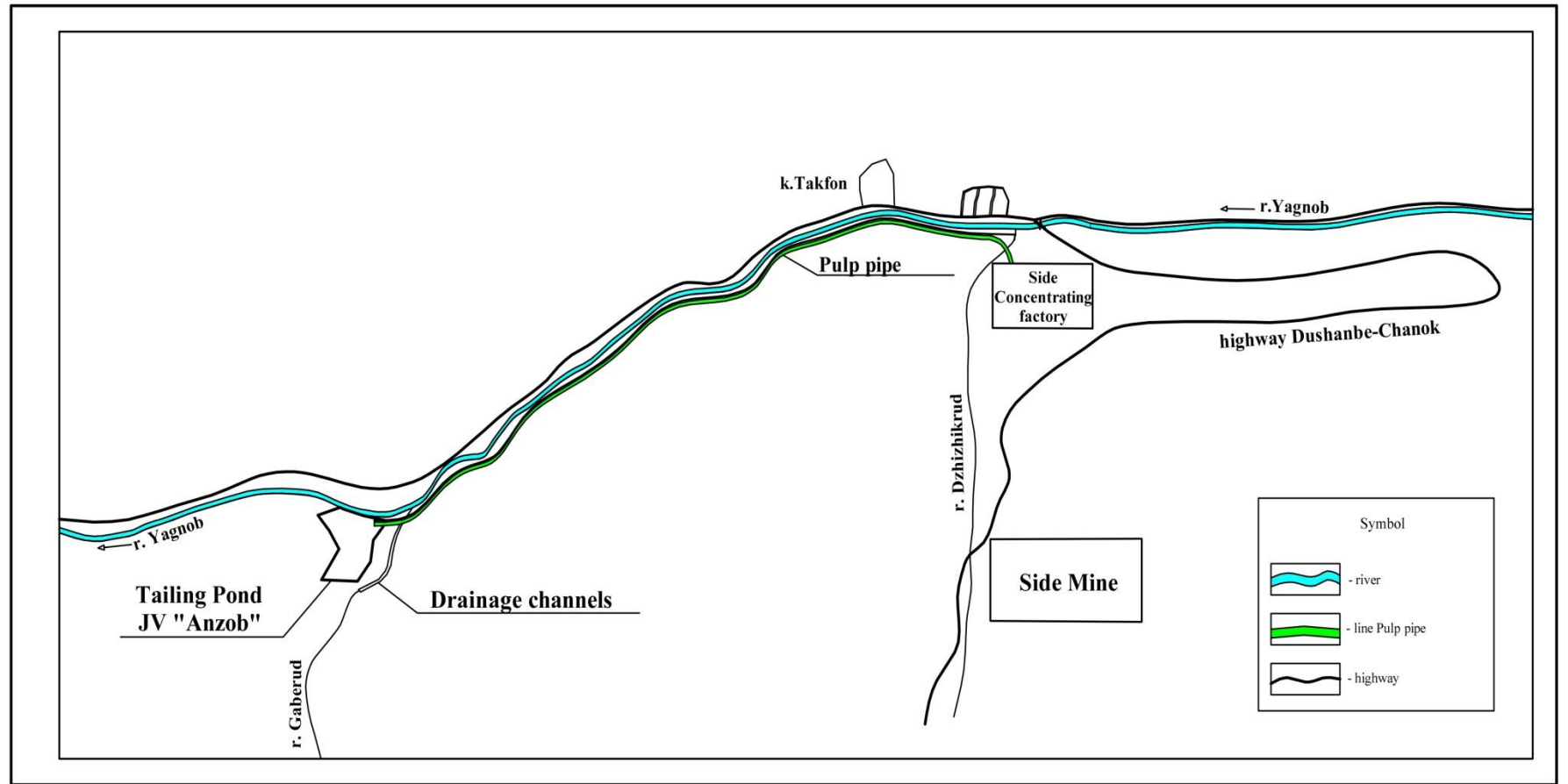
JV “Anzob” is located at the central part of the Republic of Tajikistan and engaged in mining and processing of antimony ores of Dzhizhikrud deposit.

Ore mining of Dzhizhikrud deposit traces its roots since second half of 20th century.

Territorially and administratively the venture relates to Aini region of Sogd District of the Republic of Tajikistan and located about 100 km from Dushanbe city. Company consists of 2 main subdivisions (underground mine, processing plant) and 8 auxiliary departments.

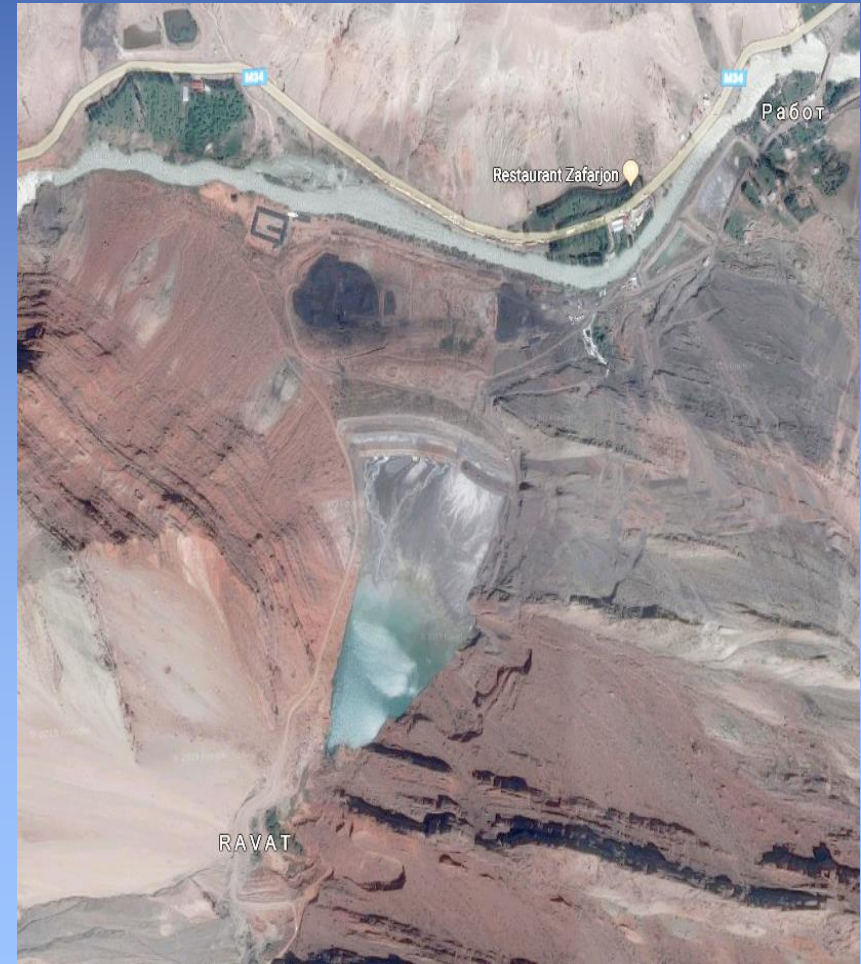
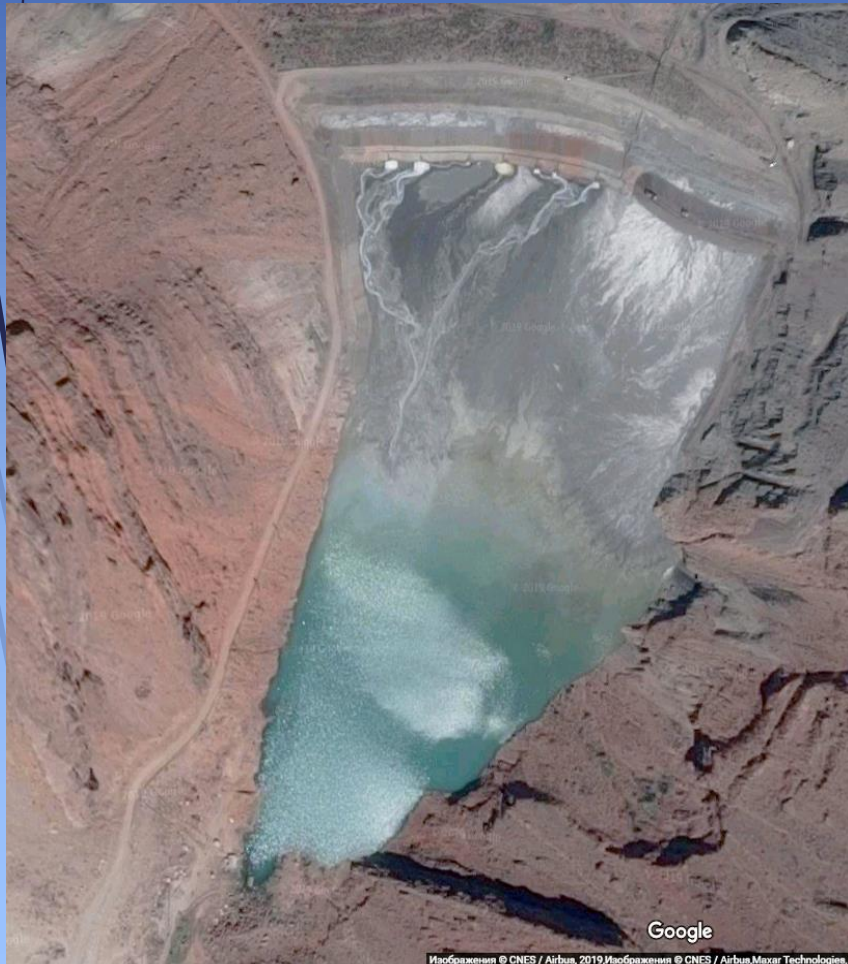
Mining and processing capacity of the company - 700 thousand tons per year. Achieved processing capacity was a little over 500 thousand tons in 2018.

Scheme object enterprise



Tailing Pond

A dam with height around 45 m construed the Tailing Pond's 1st line. Refer to the type of tails being stored the Tailing Pond is a liquid. The width of the dam at the bottom is 50-60 meters, at the top - from 12 to 18 meters. The length of the dam is around 400 meters.



Tailing Pond




Composition of the filling soil consists mainly of rocky soil of various solid, crushed stone soil, sandy and clay materials.

For the storage of production wastes of processing (tails) according to the project of Institute «Kazmehanobr» the 1st line of Tailing Pond was constructed and commissioned in 1986 at 6 km from the Processing Plant. For natural water diversion and not falling into Tailing Pond it was passed and completed 1250 meter reinforced-concrete tunnel with two drainage channels.





- Tails supply is conducted through pipeline by pumps.
- There is an operating recycling water supply system of closed cycle.
- Pump station is settled inside the Tailing Pond.

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- Wastes of the Processing Plant are classified as non-hazardous wastes of 5th class, that confirmed by resolutions of the institutes of Biology, of Chemistry of the Academy of Sciences of the Republic and sanitary-epidemiological authorities. Company has the necessary licenses and permissions for creation and placing of tails.
 - In accordance with adopted laws and regulations in Tajikistan on environmental protection, safety of hydraulic structures, owners and managers of the company pay attention over control on safety of Tailing Pond, conduct monitoring of Tailing Pond dam condition, permanently control quality of clear return water, drainage and avoiding waste coming outside of the Tailing Pond.

Basic security measure Tailing Pond

- For all the time of Tailing Pond operation no any accidents happened.
- Company with the attraction of the leading international institutes regularly assesses the Tailing Pond dam resistance and takes the necessary measures to improve stability and safety during raising of dam.
- Tailing Pond is in working order, presently the ramp-up project and preparation works are being executed, including safety declaration of Tailing Pond according to the new conditions is being worked out, that will take into account resistance and accident liquidation measures.
- In case of accidents situations or repair works in the Tailing Pond the company has the temporary emergency pools for the wastes disposal.



Thanks for your attention