



Country	MIKAS springs	Coordinates / Nearby City	Spring discharge (Q in l/s,min/av/max) / tapped or not	Criteria* in order / Main justification */ H-historic, A-aesthetic, S-scientific, E-Economic, Ec-ecologic	Data collected by
Russia 	1. Arsenovsky spring	N 57°10'50.7" E 56°53'47.7" Z = 145 m asl Perm region, Orda Municipality, Kungur River basin	300/-/390 Not tapped	A, Ec, S <i>Vauclusian (Lake) spring located at intensively karstified Ufa plateau where the density of karst features reaches 160 forms/km². Dominant rocks are evaporitic – gypsum, anhydrite, which result with sulphate-calcium chemical composition of water. Mineralization of water is 2.2 g/l. The lake is 200x60 m, with a maximum depth of 5-7 m. At the bottom of the lake there are numerous funnels from which spring waters gush out. The water is clean, transparent (visibility 15-30 m), turquoise in color, cold all year round (t +5-6 °C). It replenishes the waters of the Kungur River, supporting the ecosystem of a unique natural area of the Perm Territory, called the Kungur forest-steppe. Nearby located is the famous Orda underwater cave. Spring area has a great tourist potential, especially for scuba diving.</i>	Maksimovich N. G., Meshcheriak ova O. Yu, Gubina E. V.
	2. Cerik-Kel (Blue lake)	N 43°13'56.33" E 43°32'19.05" Z = 805 m asl Kabardino-Balkarian Republic, Babugent village, Cherek River basin	? / 800 / ? Not tapped	S, Ec, A <i>Vauclusian (lake) spring issuing from the Upper Jurassic limestones and dolostones, with some chalk deposits around. Karst siphon is 279 m deep makes this underwater abyss one of the deepest in the world. Water temperature is c. 11°C, mineralization 500-650 ppm, with presence of H₂S coming from the deep depth. This is a touristic area with large potential for further development. Water of karst spring sustains ecosystem, maintain the baseflow of river Cherek and fill downstream located Babugent reservoir.</i>	Maksimovich N. G., Meshcheriak ova O. Yu, Gubina E. V.

MIKAS – Arsenovsky spring



Location of the Aresnovskiy spring Perm Region



View of the Kungur River valley and Arsenovsky spring (photo: N.G. Maksimovich).

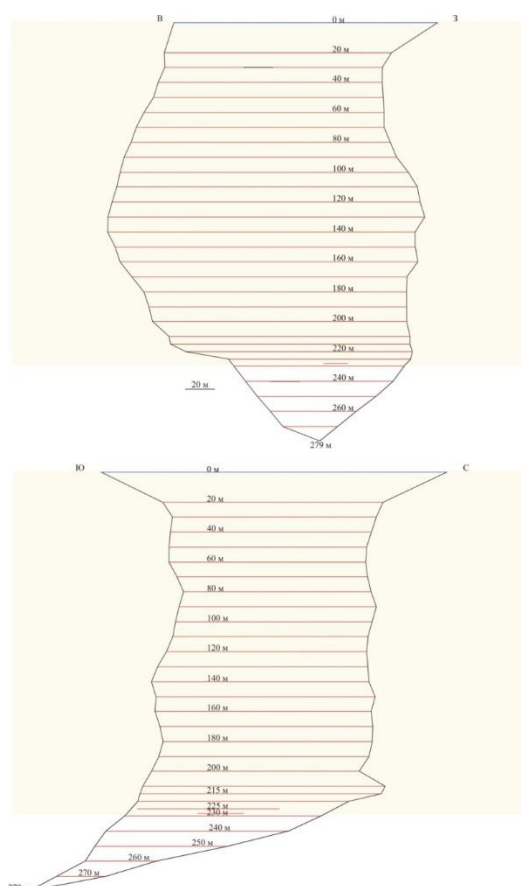


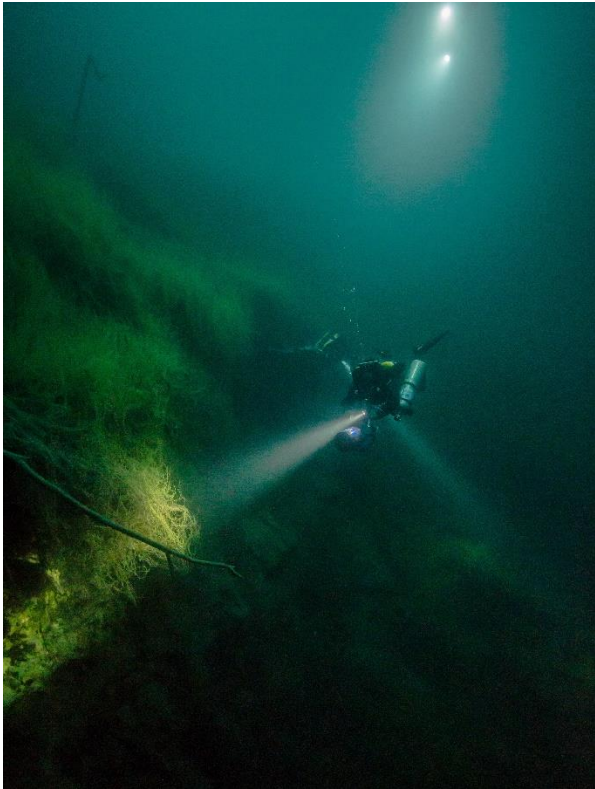
Diving in reservoir filled by Arsenovsky spring water (<https://tritonural.ru/arsenovskiy-istochnik-udivitelnoe-ryadom/>).

MIKAS – Cerik Kel (Blue Lake)



Aerial view on Cerik Kel spring and lake (siphon) sections





Underwater space (photo by Underwater Research Center of the Russian Geographical society)



Outflow of Cerik Kel



*Cerik-Kel Blue lake
(photo by N.G. Maksimovich)*