

12.25.2009



First we went to Kandowan. A popular town in Eastern Azerbaijan of Iran. I and my father received there at about 11. There is a river with name of Kandowan Chaei. Also there is a pipe that pumps the water from Kandowan spring that has Mineral Water. I tested both of them. After that we went hiking in Sahand mountain! I knew that there is a lake on top of the mountain. I tested the water. After that we went to Basmenj city. There is a river. I tested it too. You can see the results and more descriptions below:

Results:

1. Kandowan River:

Coordinates: 37.813
46.3113

Air temp: 3°C

Water temp: 2.500°C

Turbidity: 50.000 JTU

pH: 8

DO: 4 PPM

Description: There were things like plastics, bottles etc. But there wasn't any factory. And it's better to know that it emanates through the town. There are houses around it. It's not clear.

2. Kandowan Spring (Mineral Water):

Coordinates: 37.731
46.3345

Air temp: 3°C

Water temp: 4°C

Turbidity: 0 JTU

pH: 7

DO: 3 PPM

Description: The water is pumped by a pipe from under the ground. It's mineral water and some people come from Tabriz every week to take enough water for one week in order to drink a healer water!!! You know Some believe it's healer!!

3: The lake on top of the Sahand mountain:

Coordinates: 37.7267
46.3465

Air temp: -2°C

Water temp: 2.330 °C

Turbidity: 0 JTU

pH: 6

DO: About 2 PPM

Description: It surprised me when I realized it's an acidic water. But there is an explanation for it. In Sahand mountain, it rains a lot. And the air because of factories is acidic. May be when it rains, the lake becomes acidic. About its dimension I must let you know that it's not very big! It looks like a small basketball stadium!! But it's an important lake because of its place.

4: Basmenj river:

Coordinates: 37.9859
46.4921

Air temp: 8°C

Water temp: 6°C

Turbidity: 30.000 JTU

pH: under 6

DO: About 0 PPM

Description: It is river but it has been a sewage!!!! People bestrew their rubbish and their sewage. Unfortunately It's very dirty.

12.26.2009

We went to "Mian do ab" city. First I wanted to test the water of "Nowroozly" dam. But it is forbidden to be there near the water. They said: "You have to have the permission of "water organization" of " eastern Azerbaijan". But it was holiday and I couldn't test it. It's the dam that safeguards the drinkable water of Tabriz. I became discouraged from testing its water. So I left there to "Jeghateh Chaei" river. I tested it. After that we went to test the "Zarrine" river. "Zarrine" is the most famous and most important river of Eastern Azerbaijan of Iran. You should know that "Nowroozly" is the dam of "Zarrine"! You can see the results below:

1: Jeghateh chaei:

Coordinates: 36.9712
46.1149

Air temp: 14°C

Water temp: 10.660°C

Turbidity: 30.000 JTU

pH: 8

DO: 4 PPM

Description: It is river but it has been a sewage!!!! People bestrew their rubbish and their sewage. Unfortunately It's very dirty. It emanates through the city. Also it's near a sugar factory.

2: Zarrine:

Coordinates: 36.982
46.1091

Air temp: 14°C

Water temp: 9.330 °C

Turbidity: 6.660 JTU

pH: 8

DO: About 8 PPM

Description: We went there through the "Bukan" village. In fact there isn't any more distance from main city. There are leeches and midges.

The Results Are Averaged

Participant: Farid Mehri Soofiany Country: Iran State: Eastern Azerbaijan City: Tabriz



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International
Water Association



* The tests were done in 2 days.

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