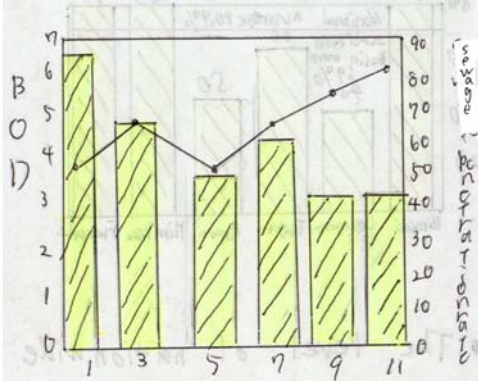


Trends in BOD and sewage penetration rate of Tsuchibuchi River



Tsuchibuchi rivers' water quality is less dirty year by year, so ayu can swim.

Water quality is concerned with living things.

Ayu has the most amount

of fish in Iwaki river compared to other fish.

Conclusion

Both Iwaki and Tsuchibuchi rivers' BOD and SS are decreasing year after year.

The water quality of the rivers have been greatly improved thanks to the sewage treatment systems.

We wish to do more detailed research in the future.

Iwaki River

Tsuchibuchi River water quality and

Ecosystem

Frist groder 12HR group 4

Purpose

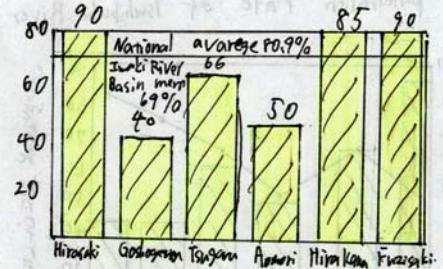
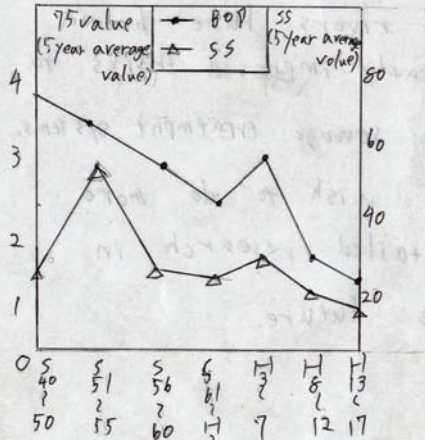
We wanted to examine the water quality of the Iwaki and Tsuchibuchi rivers, particularly their respective BODs. We also wanted to examine their ecosystems.

What is BOD?

It is Biochemical Oxygen Demand, or the amount of dissolved oxygen needed by organisms in the water. It helps to show water contamination - the more dirty the water is, the higher the BOD rises.

What is SS?

It stands for suspended solids in the water. When there are large SS, the transparency and appearance of the water deteriorates. SS negatively affects plant photosynthesis as well as the ability of fish to breathe with their gills.



- The level of nationwide sewage treatment is 60.9%
- Goshogawara's sewage treatment is 40%
- Hirasaki's level of sewage treatment is 90%, the second highest of the six cities above.