



Development of Sustainable Fisheries in Lake Balaton Region: plans, possibilities, results

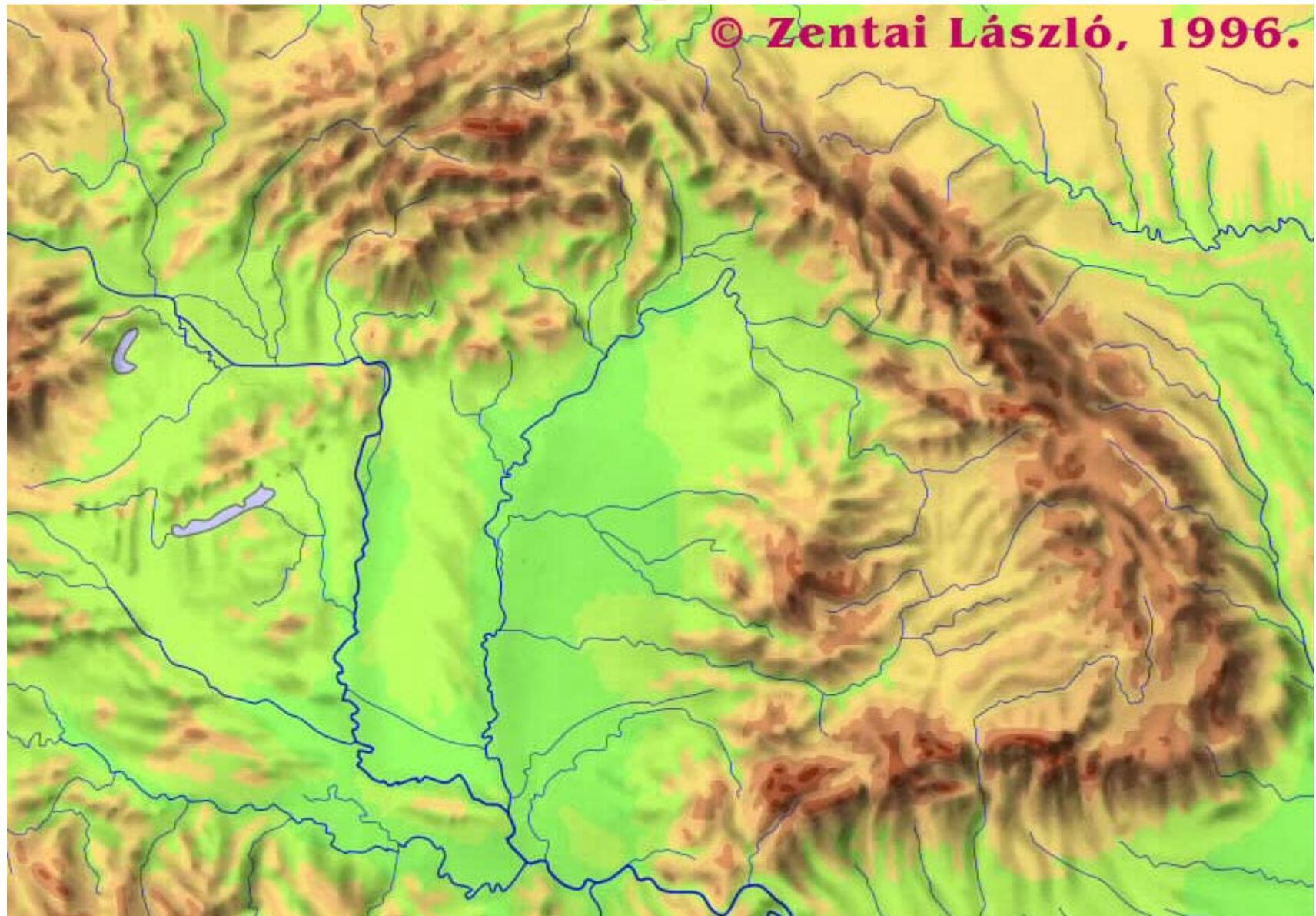
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Association of Civil Organisations of Lake Balaton, Hungary

Living Lakes Eastern Europe Network Conference in Estonia

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Location of Lake Balaton: Carpathians Basin



The surface area: 594 square kilometres,
Its average depth: 3,2 metres.

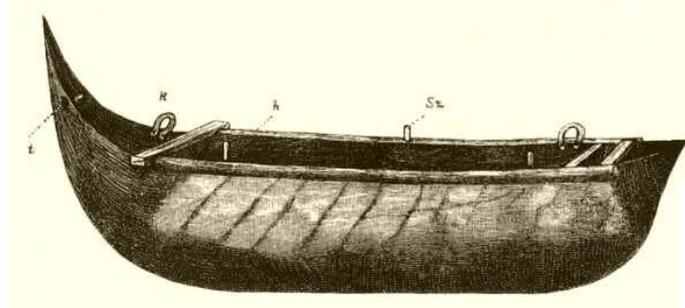
The water catchment area of the lake: 5,775 square kilometres.
The length of the shore is 235 km, of which 107 km is artificially built.



Short history of fishery at Lake Balaton

- tradition profession

- first mention of fishing in the foundation charter of Tihany Abbey in 1055

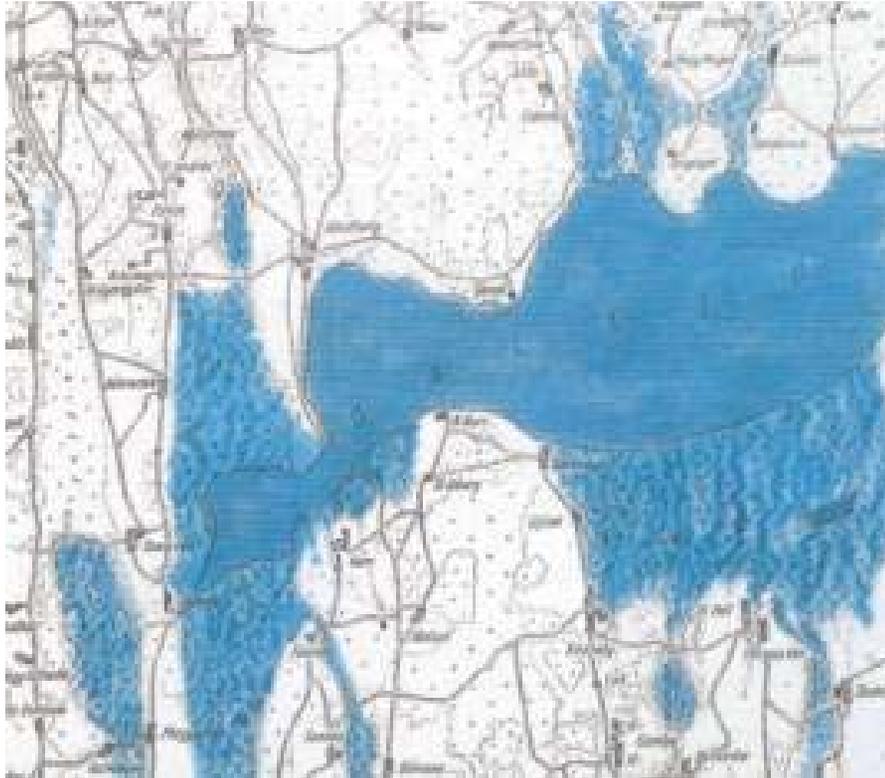


Kis-Balaton

Nagy-Berek



Before the regulation of Lake Balaton



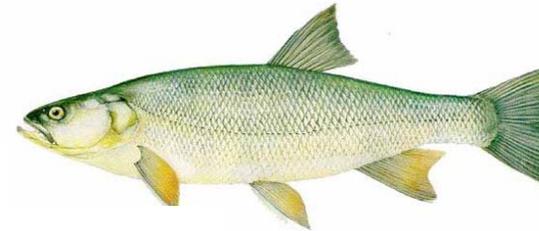
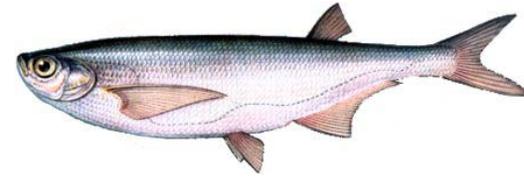
After



The Balaton Fishery Company was established on 1 of January 1900.



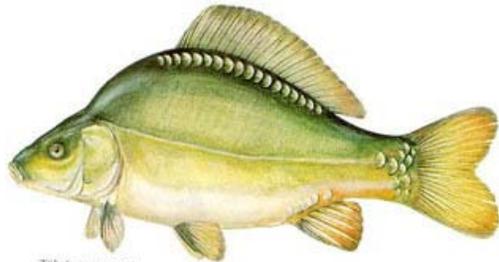
Typical fishes: razorfish, pike perch, asp, wels, pike, common carp, bleak, common bream.



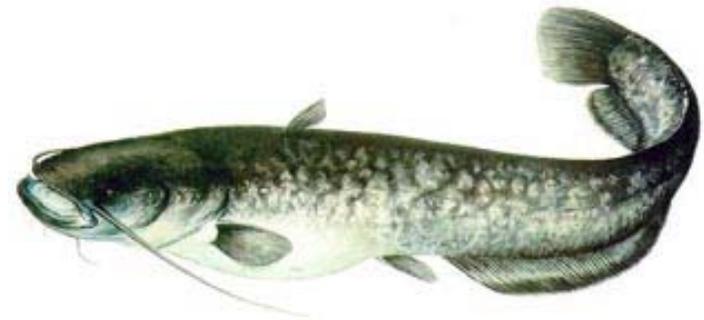
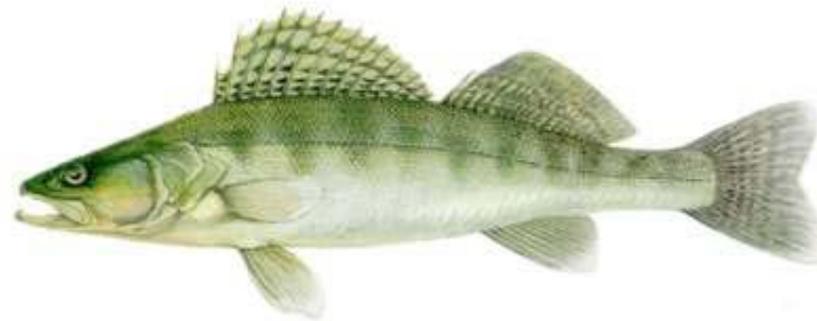
Nurgu pösty



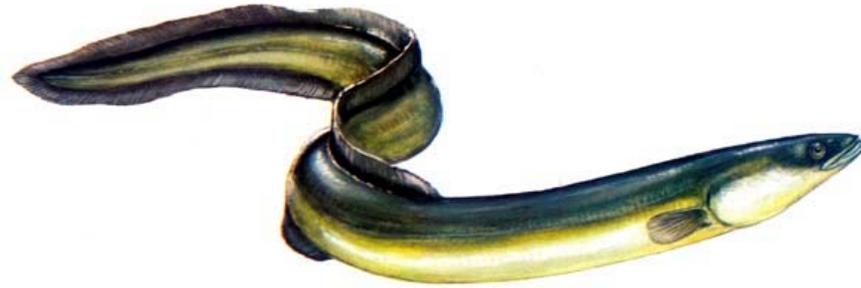
Tilapia

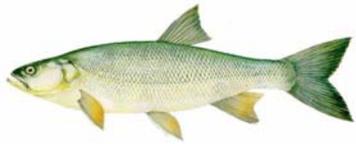


Tikró nemex pösty



Introduced fishes: eel, silver carp, bighead carp, prussian carp



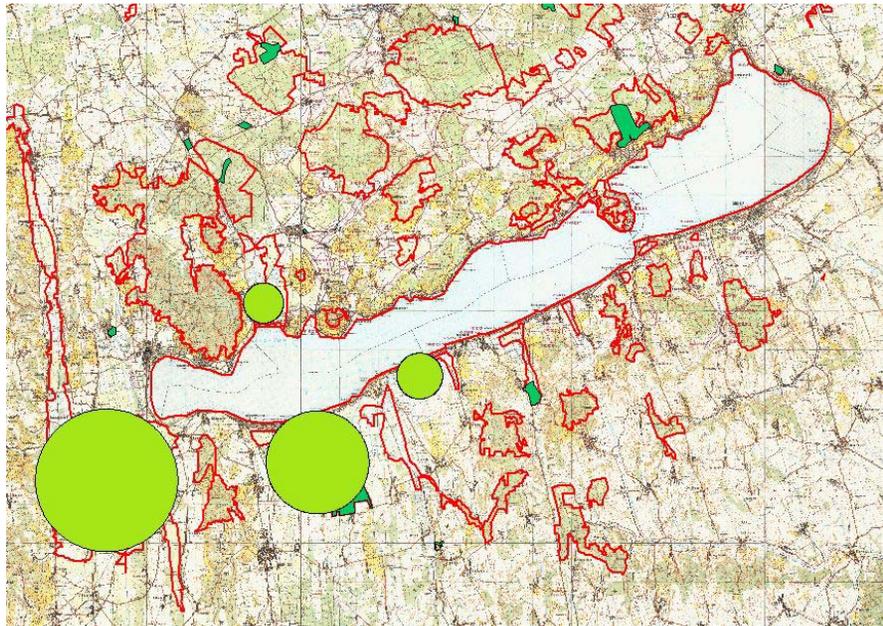


The main reasons why the fish population decrease in the last decades:

- **oligotrophic water**
- **overfishing**
- **fishperdition**
- **irresponsible fish introducing**
- **the lake shore construction**
- **lack of the water plants**
- **the decrease of natural spawning places**
- **the unfavorable alteration of the fish size and the sturture of the population**
- **poachers**

Possibilities and proposals for the increase of the natural fish population

- forming of altering wetlands for increasing natural spawning places and fish cradles with involving the previous wetlands
- to ensure the fishes can reach these wetlands (fish staircase)
- protection of spawning places
- let the waterplants, reeds grow on the shore, in small canals, creeks, brooks



Possibilities and proposals for the increase of the natural fish population

- the protection of natural fish population and native fish strains**
- prudential fish restocking**
- regulation of fish population**
- keeping the angles etiquette**
- supporting the continuous research of fishes' science**



Lake Balaton as the second largest tourist destination in Hungary



What are necessary to the sustainable development of Lake Balaton Region:

- Science based development plans
- Usable database
- Information flow
- Eligible legislation
- Good control
- Well coordinated work



Thank you for your attention!

