LOUSADA GUARDA RIOS

Active Citizenship in the Protection of Natural Resources

Daniela Barbosa



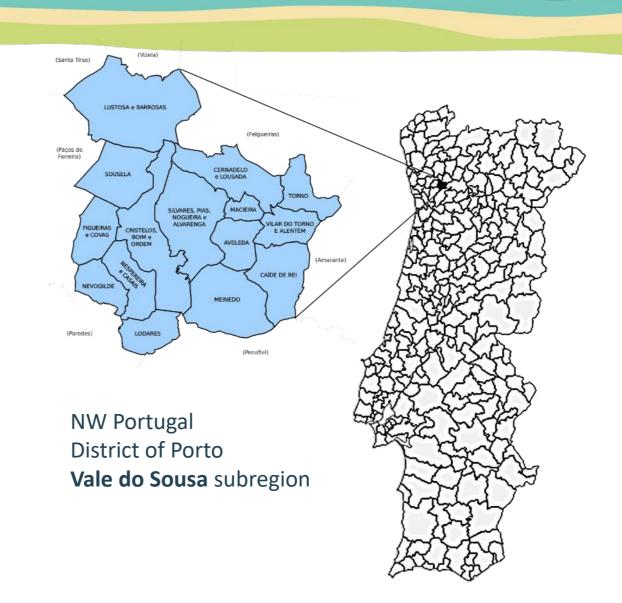




LOUSADA

Municipality of Lousada

- 94,89 km2
- 15 parish councils
- 47.401 inhabitants (2021)
- Humid temperate region
- Economy: agriculture, textile industry
- 2 river basins (Mezio and Sousa)

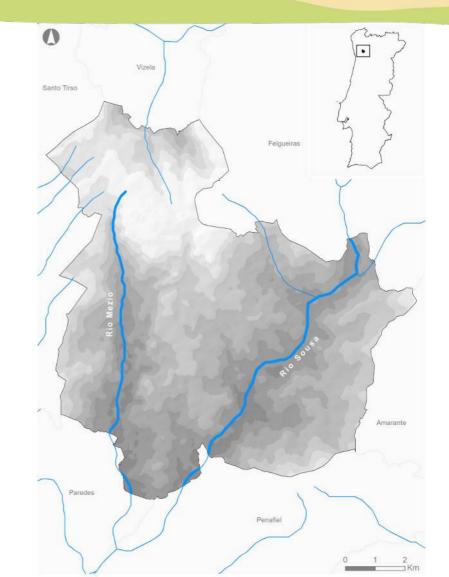


LOUSADA

Hydrographic Network

- Sousa river
- SE of the municipality
- Extent of 14.82 km

- Mezio river
- Springs in Lousada
- N-S orientation
- Total of 28 Km (10,5 km in LSD)

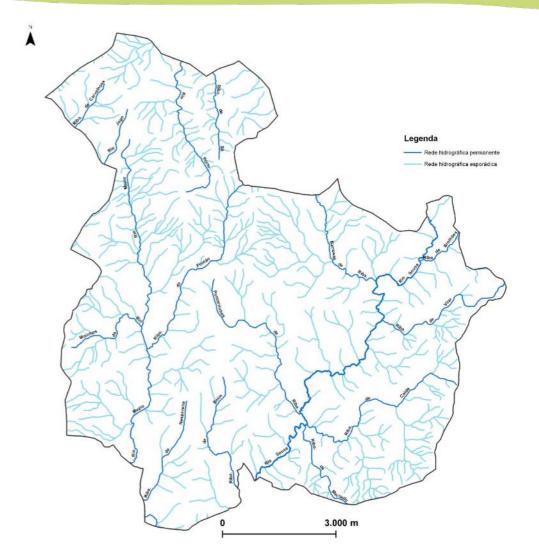


IDENTIFIED THREATS



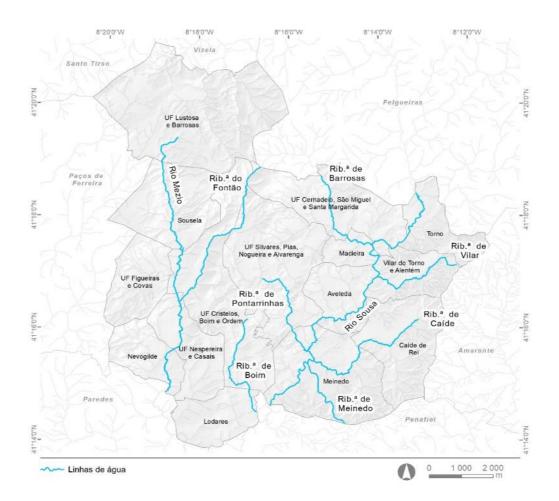
AIMS AND GOALS

- Conservation and monitoring of the ecological status of fluvial ecosystems;
- Environmental improvement of river ecosystems;
- Environmental awareness and public participation of local communities.



1) Mapping and characterization of the main watercourses in the municipality;

- 9 water courses;
- 42 km;
- 166 characterized sections of 250 m each.



1) Mapping and characterization of the main watercourses in the municipality;

- Stream bed characteristics: depth, width, bottom type, water velocity, water transparency, aquatic vegetation;
- Bank characteristics: type of substrate, slope, structure, vegetation present, pollution;
- Characteristics of the surrounding area: buildings in the surrounding area, registration of invasive species, flora and fauna.

2) Social engagement

DISSEMINATION SESSIONS



- 1. Explanation of the project
- 2. Registration of volunteers

TRAINING OF PATROLS



 Theoretical and practical training of "Guarda Rios" Patrols

VOLUNTEERING ACTIONS



- 1. Adoption of river sections
- 2. Environmental improvement actions

Guarda Rios Kit

- Transport and identification bag
- Reflective vest
- Guarda-Rios manual
 - Field miniguide
 - Safety rules
 - Good environmental practices
- Characterization sheet of the river section









Guarda Rios Kit



Guarda Rios Patrols





Guarda Rios Patrols



Guarda Rios Patrols







Removing river trash



Maintenance of watercourses and flood management



Invasive species control



Renaturalization of riverbanks



Plantation of riparian trees

Arundo donax control



Arundo donax control







Renaturalization of riverbanks



Renaturalization of riverbanks





3) Formal Inspection Actions





Discharge of livestock effluents

Solid waste disposal

3) Formal Inspection Actions





Cutting of riparian vegetation

Water pollution

Municipal Environmental Reading Plan

24000 students





2015 2020

Guarda-Rios manual



Guarda-Rios manual



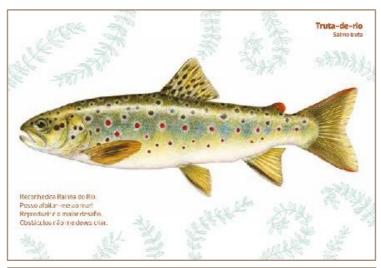


Guide of good cleaning practices

Field guide

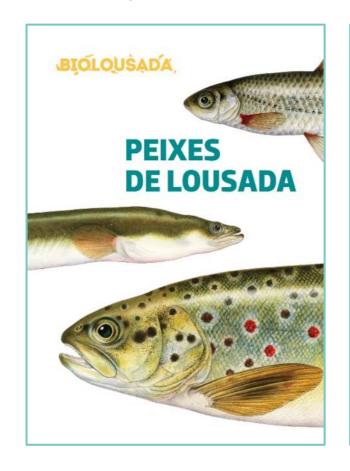
Fish Postcards







Fish Miniguides







MEDIA

Lousada promove formações para quem queira ser guarda rios

Durante este mês, serão seis as formações disponíveis nas juntos de Freguesia. Inscrições são gratuitas





PREMIUM

Adotam e tomam conta de pedaços de rios em Lousada

Fernanda Pinto 24 Julho 2019 às 13:08





Com maior ou menor frequência, percorrem as margens de troços dos rios que adotaram em ações de monitorização ou à procura de poluição.



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