



AGRICULTURE AND LIVESTOCK

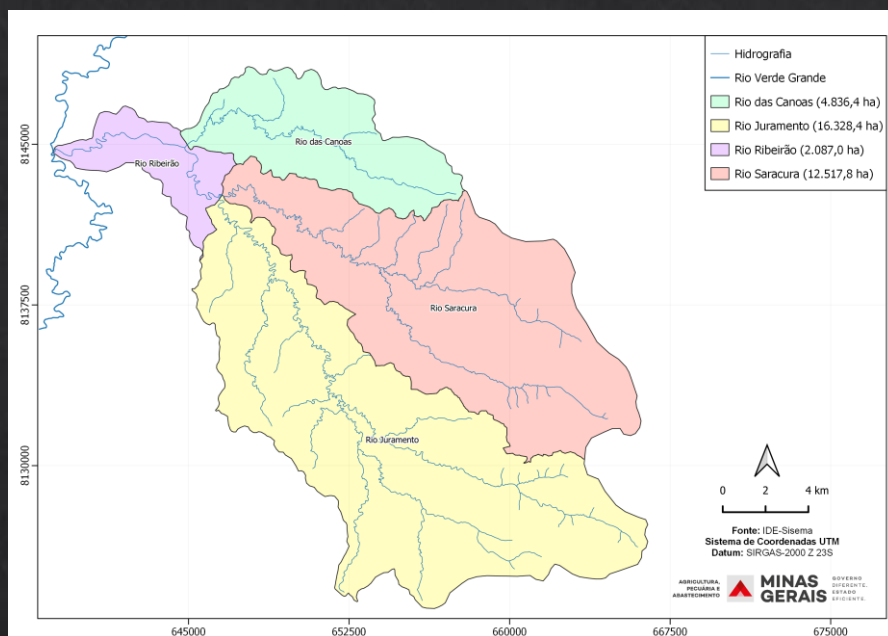
RIO DO JURAMENTO SUB-BASIN

Rio do Juramento Sub-basin has approximately 36.171,50 hectares, and is located in Juramento-MG

The sub-basin encompasses four existing microbasins in the territory:

- Rio Ribeirão;
- Rio das Canoas;
- Rio Juramento; and
- Rio Saracura.

And it is a part of Rio São Francisco's basin, which corresponds to 8 percent of national territory.



Fonte: Potencial de Adequação Socioeconômica e Ambiental da Sub-bacia Hidrográfica Rio Juramento

STAGES

1) **Productive Environmental Zoning (Zoneamento Ambiental Produtivo – ZAP):** its aim is to generate a data base and gather information to subsidize each sub-basin's territorial management improvement. Three products are developed: land's use and occupation, superficial water pressure evaluation and landscape units definition. Those products are produced and analysed.

2) **Potential for Suitability:** Report gathering indicators and environmental suitability suggestions for the sub-basin, based on technical conclusions produced by the diagnosis (ZAP).

- The Productive Environmental Zoning is a Minas Gerais' methodology of socioeconomic and environmental characterization of the sub-basins, instituted by State Decree nº 46.650/2014. The elaboration products are analysed and approved by the Managing Committee



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3) **Execution of works:** construction of rainwater catchment basins, terraces, recovery of degraded pastures and degraded areas, adequacy of local roads, reforestation and fencing of springs, ciliary forests and hilltop forests.

4) **Carbon Balance:** to calculate the emissions and/or reduction of greenhouse gases (GHG), the calculation tool of the GHG Protocol on Agriculture was used, which uses specific methodologies for the national reality and is focused on non-mechanical emission sources.

CAPTURED VALUES

The project was designed in 2020 and is in the process of development and implementation, through a partnership between the Federal Ministry of Environment and Minas Gerais' Agriculture, Livestock and Supply Secretariat, with the current funding source being the Inter-American Institute for Cooperation on Agriculture - IICA, with a contribution of R\$ 1.5 million.

EXPECTED OUTCOMES



➤ Construction of 638 Rainwater catchment basins



➤ Deployment of 83 kilometres of terracing



➤ Recovery of 186 hectares of degraded pastures



➤ Environmental adequacy of 15 kilometres of local roads



➤ Sequestration of 768,18 tons of carbon per year



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