The present study presents a speleological patrimony preliminary rising State of Rio Grande do Norte's. The work was fruit of a technical cooperation accomplished between National Center for the Study, Protection and Management of Caves (CECAV) in the state of Rio Grande do Norte and SEPARN (Society for the Development, Research and RN's Education). State owns an plenty heterogeneous geological structure, distinguish basically two portions: Potiguar Basin and the Crystalline Basement. In this work were going selected larger interest speleological areas, located in the portion karstic of Potiguar Basin and objectified arise a basic diagnosis which had allowed us know the most important caves in the state, as well as to detect the preservation status of each one their subsidizing posterior projects concerning the patrimony speleologic preservation. The fieldwork was going developed between July and December months 1999. They were going met caves concentrations in Lajedo de Jandaíra (Jandaíra's Municipal District), Lajedo Soledade (Apodi's Municipal District) and caves not yet nominated in Felipe Guerra's Municipal District. Beyond of these areas, found still isolated, important chambers by historical, geological and tourist factors. The methodology was going performed through photographic registrations, search in locate, in charts and their aspects, detected and described preservation importance and status.