

Physical Environment Information and Impact Identification on the north-western part of the Amazon Region, Brazil

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Physical environment data collected at the municipalities of Nova Brasilândia d'Oeste and Pimenta Bueno, situated in the State of Rondônia, were organized into maps at suitable scales, showing mineral and water resources, land utilization, sites for ecological tourism and sanitary waste fill.

The results obtained enabled a preliminary analysis of the environmental impact due to accelerated occupation of the region during the 1970s and 1980s, as well as the damages caused by inappropriate farming methods. As a consequence of environmental degradation, the area has been subjected to soil erosion with the development of gullies and sedimentary in-filling of drainage. Other environmental damages have resulted in soil infertility, as well as the surface and groundwater pollution.