

EFFICIENCY OF THE AERIAL-PHOTOINTERPRETATION IN THE SOIL RESOURCES INVENTORY. A STUDY CASE

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ABSTRACT:

This work present the methodology, results and recommendations, obtained from aerial-photo - interpretation, as a basic tool for soil resources cartography, in an area (33,000 has) inland the so-called “deltoide” of the Rio Colorado, Buenos Aires Province (Argentina).

The objective of this study was setting up a land suitability classification for irrigation of horticultural farming, in an area where previous soil data are lacking. The main result was an interpretative map of priority areas for land irrigation, based on the productivity limitation factors. It is suggested to apply adequate drainage techniques to manage water surplus, in order to avoid serious risks of fast soil degradation, being the most important condition to develop the irrigation project.

These results will be used as ground control truth, in a future environmental map, using satellite imagery from LANDSAT-TM and SPOT-HRV systems.