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FINAL REPORT

Contract No. 511-0000-S-00-4235

USAID/BOLIVIA

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Douglas J. Pool  
Calle 8 G-1  
Jardines Fagot  
Ponce, P.R. 00731

## FINAL REPORT

This final report covers the contract No. 511-0000-S-00-4235 for the period of July 12 through December 31, 1984. During the contract period, the consultant participated in various activities of Proyecto CUMAT as well as the Rural Development Division of USAID/BOLIVIA that included the following:

1. Selection of pilot study areas: Meetings with CORDEPAZ and COREDECRUZ plus revision of aerial photographs helped determine areas of environmental concern and appropriate areas for study. After the general area was selected, the two pilot study areas, Tumupasa and Santa Cruz, were outlined on topographic maps as well as aerial photos. Actual land use, cropping patterns, livestock use, and forestry exploitation were noted.
2. Visits to Departamental Development Corporations: Visits were made to Tarija, Cochabamba, Santa Cruz, and La Paz to personally explain the objectives of the CUMAT project as well as recruit participants for the field course.
3. Preparation of course materials: The consultant was responsible for presenting the areas of actual land use, crop ecology, soil conservation, appropriate levels of technology, appropriate uses for the land capability classes determined and tropical agriculture in general. In addition to preparing several handouts and delivering various lectures in the field course, the consultant participated directly in field activities and mapping exercises.

4. Site visit to Rurrenabaque and Tumupasa: Two visits were made to the pilot study area prior to course initiation in order to prepare local logistics that included food, lodging, and transport.
5. Participation in field training course: The consultant participated as an instructor and field training supervisor for the course on land use capability held in Tumupasa from October 4th through October 20, 1984.
6. Participation in field mapping in Santa Cruz: After the field training exercise was completed, the group was divided into two teams, one for Tumupasa and the other for the pilot study area of Santa Cruz. The consultant helped in interpretation of actual land use, new crop potential, appropriate levels of technology, and determination of alternative crop rotations.
7. Field evaluation of Salvatierra colonization proposal: Padre Miguel Dooling had asked USAID's assistance in planning a colonization project approximately 300 kms. north of Santa Cruz. The consultant and Ing. J.C. Quiroga visited the site, made an overflight of the area and prepared a brief evaluation and recommendations for the Rural Development Division.
8. Preparation of final reports for CUMAT project: After the field mapping was completed for the two pilot study areas, the data was analyzed, and land use capability maps were prepared. Based on the potential land use and the environmental concerns of the area, a final report was prepared that summarized the findings as well as discussed various alternative crop production systems, agroforestry, and natural forest management systems appropriate to each study area. The final reports complete with photo maps, graphs, and illustrations should be ready for distribution the first week of January, 1985.

9. Participation in IBTA-Chapare training course: A two day workshop-seminar was held in Cochabamba during October 17-18, 1984 to familiarize the IBTA-Chapare personnel with the land use classification system employed by the CUMAT project and discuss the Chapare evaluation that was conducted in 1983 concerning the agricultural and forestry potential of the area. Thirty technicians and professionals from Chapare project participated in the workshop. The consultant covered such topics as myths of development potential in the humid tropics, crop ecology, agroforestry, management of secondary forests, and the role of small animal production with small farmers.