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SMALL FARMER TITLING
TECHNICAL ASSISTANCE PROJECT
HONDURAS

THIRD SEMI-ANNUAL REPORT

NOVEMBER 1985

(Period April 1st-September 30, 1985)

CLAPP AND MAYNE, INC.

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November 15, 1985

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MEMORANDUM

To : Mr. James E. Corley
Contracting Officer
USAID/Honduras

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From : Edibaldo Silva-López *Edibaldo Silva-López*
President
Clapp and Mayne, Inc.

Subject: Third Semi-Annual Report
Honduras Small Farmer Titling
Technical Assistance Project
Contract No. AID 522-0173-C-00-4089-00

In accordance with Clause 17(a) of the General Provisions, we are pleased to submit for your consideration three copies of the third Semi-Annual report on the subject contract.

Also enclosed is the administrative report concerning expenditures and personnel employed under the contract.

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Enclosures

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-Comayagua-

PART I

STATUS OF THE WORK
UNDER THE CONTRACT

I. INTRODUCTION

This report constitutes the Third Semi-annual Report on the Small Farmer Titling Technical Assistance Project-Honduras, covering the period from April 1, 1985 to September 30, 1985, complying with Article II, Section B of Contract No. AID 522-0173-C-00-4089-00 and with Clause 17(a) of the general provisions, "Reports".

On March 12, 1984 Clapp and Mayne, Inc. and USAID/Honduras signed the above mentioned technical assistance contract to carry out this project. Contract provides for a level of effort up to 48 person/months technical assistance to both the National Agrarian Institute (INA) and the Executive Direction of Cadastre (DEC) in the fields of cartography and EDP.

On December 1984, the contract was amended to increase the level of effort by two additional person/months to provide an O & M Specialist to carry out an administrative audit of the Executive Direction of Cadastre (DEC).

The project goal is to increase food production, employment, and incomes in rural Honduras by expanding the benefits of private property ownership to small farmers settled on government owned lands.

The purpose of the project is to establish a coordinated and functioning system for the titling of rural lands in Honduras. By increasing the administrative capacity of the National Agrarian Institute (INA) to issue up to 50 titles per day, through an interinstitutional approach to the titling process, the project will issue fee simple titles ("dominio pleno") to occupants of national owned lands in six Departments of Honduras

and begin in a seventh Department within the next five years; following an established priority order, starting with the Department of Santa Bárbara.

The Project basically consists of three (3) main activities; these are:

1. Interinstitutional promotional and publicity campaigns in target areas;
2. Delineation of rural government owned lands held by small farmers and related costs in seven Departments; and
3. The improvement and expansion of INA's Department of Land Transfer and Adjudication and its Agrarian Debt Control Office.

Specifically, technical assistance contracted and provided by Clapp and Mayne, Inc. is aimed towards the second above mentioned project area; i.e., the delineation of rural properties. This activity is the backbone of the large titling effort, which consists of the identification of areas by their legal status and the delineation of properties to be titled.

The Executive Direction of Cadastre, through special agreement with INA, is carrying out the delineation activity. Working from aerial photography and orthophoto maps, delineation teams of the Executive Direction of Cadastre (DEC) identify existing property boundaries. The delineation, accordingly programmed into DEC's existing computer facilities, is processed for producing standardized property maps (scale 1:10,000) of the entire area. These maps, along with individual ground plots and their

identification (owner/occupant, land use information, etc.) are submitted to INA for their use in the titling process.

At the same time that properties are being delineated, an investigation into the legal status of the land is completed. Title searches are completed in the central office prior to work in the field. The results of such searches are checked and verified at the municipality level by examining the records of Departmental Property Registers.

Within each municipality, two types of property delineation take place. After the title searches are completed, the outside boundaries of all properties held in "dominio pleno" are identified. By exclusion, all rural land within the municipality that is not titled in "dominio pleno" is the property of the government. Subsequently, a map of each municipality (at a proper scale) identifying all lands by their legal status (public or private lands) is produced.

Except for the identification of the outside boundaries of "sitios privados", the project does not work with lands held in "dominio pleno".

Once public lands are identified, as above, delineation teams begin to identify and delineate individual farm properties located on public lands. As properties are identified and delineated, a "ficha catastral" is completed for each delineated property. In addition to the description of the location and boundaries of the property, this card identifies the occupant, his claim to ownership, and a detailed description of the use to which the land is being put. The information on the card is subsequently computerized and a cadastral number is assigned.

In the office, DEC calculates the area of each delineated property, and prepares a list of the properties with occupant's name, parcel number, area, and land use data. All these materials produced by DEC are submitted to INA for beginning of the titling process.

As the delineation responsibility falls under DEC, as stated out in the Project Agreement, both INA and DEC signed an Interinstitutional Technical Cooperation Agreement to carry out the Project. This agreement was signed on January 14, 1983 and expires on August 29, 1987. The Interinstitutional Technical Cooperation Agreement sets out the understanding of both parties (INA - DEC) with respect to the undertaking of each institution.

As a result of the Interinstitutional Agreement, both institutions signed the Project Agreement No. 1 for financing DEC's delineation activities for the Department of Santa Bárbara; this agreement was signed on April 27, 1983 and delineation activities concluded on September 7, 1984.

The second project agreement for the delineation activities in the Department of Comayagua was signed on April 24, 1984; field activities are over and maps production will be finished during October 1985.

The third project agreement for the delineation activities in the Department of Copán was signed on January 29, 1985 and field delineation activities will be finished during October, 1985.

DEC has prepared and submitted to INA for discussion the fourth project agreement for financing delineation activities in the Department of Cortés but as of the end of the period discussion sessions have not been held.

II. STATUS OF THE WORK UNDER CONTRACT

A. Consultants Mobilization

The first specialist, Cartographer/Project Director, Eng. Miguel A. Núñez Delgado, arrived at the project on March 19, 1984 for a two years tour; followed by the Computer Analyst, Mr. Ibrahim Medina, who arrived on July 23, 1984 for a two years assignment; and followed by the O & M Specialist, Mr. Jorge Vega Acosta, who arrived at the project on January 28 and departed on March 27, 1985 after completion of his assignment.

B. Activities Carried Out by the Cartographer/Project Director

1. During the period, 93 meetings were attended to discuss technical and administrative matters concerned with the Small Farmer Titling Project. These meetings were held with AID, INA and DEC's officials and DEC's and INA's Supervisory personnel. Among others, the following matters were considered in these meetings:

- a) Review of overall progress of projects and problems encountered.
- b) Discussion on specific functions and tasks to be carried out by DEC's Quality Control Unit.
- c) Review of the implementation status of the cost accounting and budgetary liquidation systems. (DEC)
- d) Discussion on projects field operations progress.
- e) Discussion on the possibility of the creation of a revolving fund for the financing of field delineation operations.
- f) Discussions for approving the budget and operations plan for the delineation activities in the Department of Copán.

- g) Discussion of problems encountered due to the lack of funds to finance field delineation activities.
- h) Overall review of technical and administrative progress of the project with the President of Clapp and Mayne, Inc.
- i) Discussions on project expenses and cost projections of the remaining projects.
- j) Participation on the facts finding phase of Mid Term Project Evaluation.
- k) Discussion of Project Evaluation Preliminary Report
- l) Discussion of problems encountered due to poor quality of field delineation work in Comayagua.
- m) Discussion on field procedures for review of original field delineation of approximately 900 properties in Comayagua.
- n) Review of delineation crews monthly production for preparing the budget for financing delineation activities in the Department of Cortés.

2. Field trips to DEC's Regional Offices at Comayagua and Copán to provide technical assistance to Regional Office Chief and Quality Control Supervisors on new field work methodology recommended by the Cartographer and implemented by DEC.

3. Development of the document containing methodology, objectives and goals, budget and programming for the delineation work of the Department of Cortés (Project Agreement No. 4).

4. Training of three (3) planimeter operators on how to develop and use a conversion formula for computing land areas leaving fixed the planimeter adjustments.

5. Review of the Cadastral Card ("Ficha Catastral")

6. Development and submission to INA's Project Coordinator of recommendations to improve field delineation activities. These recommendations were submitted on May 21, 1985, but as of the end of the

period, there has been no response from INA. However, DEC has implemented such recommendations regardless of INA's approval.

7. Development and Recommendations to INA's Project Coordinator on using plastic survey stakes for marking at least one corner of each property delineated.

8. Development of an Executive Summary Form, on the Cost Accounting Monthly Report (DEC).

9. Development and submission to DEC's Executive Director of a report containing Consultant's comments on the Project Evaluation Report submitted by the Land Tenure Center, University of Wisconsin on August 1985.

10. Survey and recommendations on cartographic activities carried out by INA for delineation activities in the Department of La Paz.

11. Follow-up activities on office procedures and production of cartographic materials produced by DEC and submitted to INA.

12. Field and office study to determine accuracy attained in calculating areas of land using orthophotomaps. This work has proven that land area accuracy obtained in using orthophotomaps ranges from 0.5 to 1.5% (+). Control parcels were surveyed using direct methods (DMD).

13. Development and submission to INA's Project Coordinator of recommendations for improving the promotional component of the project. These recommendations are aimed towards a more direct contact with property owners in order to obtain a positive response from them in the delineation activities carried out by DEC.

14. Preparation of photographic and cartographic materials to be used in the delineation activities in the Department of Cortés.

15. Preparation of the specifications for engineering and drafting materials to be purchased in the United States.

16. Participation on the development of plans and specifications for remodeling the site that will house the new computer equipment to be installed at DEC's facilities.

17. Weekly meetings with key office supervisory DEC's personnel in order to solve technical operative problems. Also were discussed field and office work progress of the two current delineation projects (Comayagua and Copán).

18. Close, day to day assistance was given to the head of DEC's Engineering Department mainly on technical matters and also in the follow-up of cartographic materials production, both in the field and office.

19. On the first semi-annual report, the cartographer recommended that the present land use should be eliminated from project's activities. This activity has proven to be useless, funds and time consuming and has no effect on the titling process. The Consultant, through the Company's President, submitted an official recommendation on this aspect to AID on October 1984, but as of the end of this period, we have had no response from AID nor from INA.

C. Activities Carried Out By the Computer Analyst

1. Attended several meetings with DEC, INA, AID and Ministry of Finance Officials to discuss data processing related matters.
2. Designed and implemented an Accounting Information System for DEC's administration.
3. Feasibility study on the purchase of three (3) CRT's and printer for INA's administrative operations.
4. Designed and implemented a computerized Automotive Spare Parts Inventory System for INA and trained personnel in its use.
5. Evaluation report on INA's Computer Center - eighteen (18) out of 28 recommendations contained in such reports were implemented.
6. Designed and implemented a computerized collections system.
7. Developed FAT plan to be implemented during FAT procedures in Alabama during next month (October, 1985).
8. Active and close follow-up activities for negotiating the purchase of a new computer equipment to be installed at DEC's facilities. This contract was awarded to Intergraph, Inc., Alabama on May 15, 1985.
9. Designed and implemented a computerized Office Supplies Control Inventory System for INA.
10. Development of live test demonstration plan (LTD) to be implemented prior to shipment of new acquired computer equipment to be installed at DEC's facilities.
11. Participated in developing DEC's Annual Operative Plan.
12. Designed a computerized Bank Reconciliation System for INA.
13. Studied RFP for the acquisition of INA's computer system.
14. Designed a computerized Delinquent Accounts System for INA.

15. Prepared and implemented the plan for receiving two (2) technicians from Intergraph, Inc., (Mexico) and attended speeches delivered by those technicians.

16. Developed a report on DEC's computer site remodeling.

17. Prepared all needed documentation for a trip to Intergraph, Inc. facilities in Alabama for a Factory Acceptance Test prior to computer shipment to Honduras.

D. Status of the Project

1. Department of Santa Bárbara

Delineation activities began in Santa Bárbara on May 10, 1983 and finished on September 7, 1984; eight months behind schedule. Total cost of this project amounted to L1,624,088.77.

The following table illustrates some relevant statistical data of the Project:

Total Area of the Project	350,978.721	Has.
Government Owned Lands	186,252.484	Has.
Private Owned Lands	164,726.237	Has.
Percentage of Government Lands	53.1	%
Percentage of Private Lands	46.9	%
Total Parcels Delineated on Govt. Lands	21,288	
Total Orthophotomaps Delineated	134	
Average Parcels per Orthophotomap	159	
Average Property Size	8.75	Has.
Total Parcels Subject to Titling	18,859	
Percentage of Parcels Subject to Titling	88.6	%
Average Cost/Delineated Parcel	L76.29	

2. Department of Comayagua

On April 24, 1984 INA and DEC signed Project Agreement No. 2 for financing the delineation work in the Department of Comayagua at a cost of L2,401,242.14. The Department of Comayagua encompasses an area of 516,258 Has. Field delineation activities began on April 27, 1984 and the First cartographic material was delivered to INA on October 1, 1984.

At the end of the period, 157 Orthophotomaps (out of 208) have been delineated and submitted to INA, encompassing 425,224 Has; and 25,780 delineated parcels. At the end of the period, the production submitted to INA was 101.37% of the total scheduled for September 30, 1985. (419,458 Has. programmed VS.425,224 Has. actually delineated). It is expected that the remaining 51 orthophotomaps will be submitted to INA during October, 1985 to complete all delineation activities within the Department; thus finishing the project two months ahead of schedule. Annex 1 shows a table describing the monthly map production submitted to INA.

During the period INA has rejected approximately 900 delineated parcels due to poor quality of the delineation in the field. This has caused serious problems on INA/DEC relations. INA claims that DEC is not producing good quality delineated maps and DEC claims that its production meets acceptable delineation standards.

3. Department of Copán

Although the official project agreement for delineation activities in Copán was signed on January 29, 1985, actual field delineation activities began on February 4, 1985.

At the end of the period the progress of field delineation activities is as follows:

Private Owned Lands	11,872 Has.
Government Owned Lands	147,018 Has.
Total Delineated Area	158,890 Has.
Total Delineated Parcels	18,901

At the end of the period delineation teams have finished delineation of all private "sitios". It is expected that parcels delineation on government owned land will be finished during October 1985.

Although parcel delineation activities in the field are practically over, DEC has not been able to process any single map because delineation teams and the Quality Control Unit have been transferred to Comayagua to review some 900 cases rejected by INA. A small skeleton force remained in Copán working on quality control activities.

Office activities for processing field work will begin early next year because DEC will have to dismantle the present existing computer equipment in order to facilitate the remodeling of the Computer Center space which will house the new computer equipment. This work will be done during October and November 1985. The new computer equipment will be fully operative on January 1986.

4. Department of Cortés

Project plan, budget, etc. for delineation activities in the Department of Cortés were prepared by DEC and submitted to INA for discussion during July 1985. As of the end of the period INA has not approved the documentation submitted for this project and the corresponding project agreement has not been yet signed. Nonetheless, INA authorized DEC to start delineation of private "sitios" in such Depart-

ment. Actual field delineation work began on August 23, 1985 and, as of the end of this period, a total of 10,536 Has. has been delineated as follows: 6,835 Has. in government owned lands and 3,701 in private owned lands.

Progress achieved in this activity has been slow because delineation crews are facing troubles in finding landmarks because these have been lost or removed as a result of the disaster caused by Hurricane Tifi in 1972.

III. PROBLEMS ENCOUNTERED

During the period, the project has faced serious administrative and technical problems; some have been solved but others are still adversely affecting the progress of the Project. Each problem will be discussed under two general classifications - administrative and technical.

A. Administrative Problems

1. Lack of Available Funds

According to agreed terms, in regards to the amounts to be disbursed, which are directly proportional to actual monthly expenses, INA has been disbursing such monthly funds in accordance with the finished material submitted by DEC to INA. This practice is known as the FAR system (Fixed Amount Reimbursement System). The system, in theory, allows for an advance of AID funds to a special account which is used to procure goods and services for delineation. These advances are liquidated as standard units of delineation (hectáreas) are completed at a FAR rate jointly developed by INA and DEC.

As the field delineation is a time and funds consuming activity and processing of finished field material takes three to six months to be completed, no reimbursement could be made to DEC until then. In the mean time, DEC has to finance project activities from its own sources. DEC has run out of funds and field delineation teams were laid off during the month of August 1985.

Several meetings have been held with INA and AID officials to look for another alternative for solving this problem. Alternatives suggested to solve this problem have been turned down by INA and AID because any amendment in this aspect conveys an amendment to the Project Agreement between GOH and the USA Government.

2. Lack of Vehicles and Spare Parts

At the end of the period, field delineation work is carried out by the following personnel:

- 1 - Regional Chief
- 1 - Quality Control Chief
- 1 - Quality Control Assistant
- 12 - Quality Control Fieldman
- 16 - Delineation Supervisor
- 45 - Delineators
- 45 - Delineators' Helpers

There are 49 jeeps assigned to the Regional Office for field work. Vehicles distribution, by activity, is as follows:

Administration	-	2
Quality Control	-	8
Parcel Delineation	-	30
Field Supervision	-	8
Fleet Maintenance	-	<u>1</u>
Total		49

There are four vehicles that cannot be used because spare parts are needed for major repairs.

DEC is badly needing to increase its vehicle fleet to support the field delineation transportation needs. DEC has no available funds to repair some additional vehicles nor to renew its fleet. Most of the delineation work has to be done on foot, causing a low rate of production.

3. Deficient DEC's Managerial Capacity

It is observed that DEC's managerial capacity is still very deficient. For example, there are no written procurement procedures, personnel administration procedures, and deficient administrative supporting services.

Although an administrative audit to improve DEC's administration was made and its final report submitted to AID and DEC, no further action has been taken since then (March - 1985).

B. Technical Problems

1. DEC's Computer Equipment

Existing computer equipment (PDP 11/34) is very old and obsolete. It was acquired in 1978. As its maintenance has not been as it should, functioning failures occur very often and DEC, most of the time, lacks spare parts for repairs. Since there is no maintenance contract, the Head of the Computer Center does the equipment maintenance.

Failures have not caused considerable delays so far, but limitations on computer's parity memory and low speed present a tough challenge to DEC's Computer Center to maintain on schedule production rates. Several improvements have been made through sophisticated programs to attain optimum use of the computer.

This problem will be solved by the acquisition of a new more capable equipment through AID funds. Contract for providing this

computer has been already signed by Intergraph, Inc. and AID and it is expected that it would be installed during late 1985 (November).

2. Duplication of Delineated Orthophotomaps

INA requires a copy of every delineated orthophotomap. To comply with this requirement, DEC has to manually duplicate each delineated orthophotomap; this process is time consuming and delays the progress of the project. It has been contemplated to reproduce these materials by computerized means, but this decision has been postponed until the new, more capable, computer is installed and fully operative.

3. Methodology used for Establishing the Mechanism for Granting Free Simple Property Titles

a. Delineation of Present Land Use

Project Agreement states that; "on delineated property, actual land use will be determined. Discontinuous lines will mark the areas or subparcels planted in coffee, cane, pasture, or basic grains, or covered in forest or bushes in accordance with the standardized crop classification chart".

This requirement has proven to be of no use in the titling process, thus delaying field delineation activities and unnecessarily spending project funds.

This condition has been highlighted by the Project Evaluation Team in its final Evaluation Report submitted to AID on August 1985 (see recommendation on page 30; Section 4.d, Chapter II-Mid-Point Evaluation Report- Land Tenure Center, University of Wisconsin).

b. Individual Property Maps

INA requires an individual property map for each parcel to be titled. These maps are prepared by DEC's Computer Center. This activity consumes too much effort in terms of computer time. Because of memory limitations, when the plotter is used for this activity, no other activity can be carried out by the computer.

INA only uses these maps for incorporating them into the records which are filed. The shape of each parcel appears on the final maps, on the delineated orthophotomaps and on the "ficha catastral". Thus this practice results in an unnecessary duplication of efforts.

c. Establishment of Adjacent Property Owners Names

INA requires that the names of adjacent property owners of each parcel appear in the "ficha catastral". As the "fichas catastrales" are filled out by the helpers ahead of the delineation activity, it is very difficult to match property owner names in the "fichas". Each Helper has to prepare a property owners list, identified by parcel number, and then each property owner name has to be checked on the card in order that the adjacent property owner names are properly registered. This is a time consuming activity which also delays field delineation.

It has been recommended that instead of filling out adjacent property owner names on the cards it should be registered only the adjacent property parcel numbers which are permanent data and, then, mechanically produce a register which contains the adjacent property owner names, if INA really need these data. This recommendation was also turned down by INA officials.

d. Pin-Pointing Landmarks on Orthophotomaps

Exact location of landmarks are determined stereoscopically on 1:42,000 scale aerial photographs and then these points transferred (by photo-identification) to 1:10,000 scale orthophotomaps. Even for the experienced delineator, working with two different scaled documents is very difficult. Difficulty is enhanced when the aerial photograph and the corresponding orthophotomaps are produced with different dated negatives. Transferring points from the aerial photography to the orthophotomap in these cases demands special skills and efforts.

To cope with these difficulties it was recommended that DEC should acquire a transferscope in order to reduce photo identification efforts to a minimum. Landmarks in the field are pin-pointed on the aerial photography and then, in the office, using the transferscope said points are transferred to the orthophotomaps. This technique will speed-up field delineation production and reduce errors to a minimum.

This recommendation was turned down by INA because there are no available funds for acquiring any more equipment from project funds.

IV. PLANS FOR THE ENSUING PERIOD

As two main activities are carried out by the Consultants, i.e., cartography and electronic data processing, plans for the ensuing period are separately presented according to the above mentioned fields of expertise; however, we have included plans for the administrative phase of the project as part of the plans to be developed by the Cartographer/Project Director.

A. Cartography

1. In-service DEC personnel training on the best use of orthophotomaps, aerial photography and quality control standards.
2. Continuous monitoring of both field and office activities in order to keep map production submission to INA on schedule for the titling process.
3. Field trips, as needed, for technical assistance to delineators and quality control teams in the solution of special and/or complex problems.
4. Follow-up on the implementation of recommendations for improving quality and quantity of material to be submitted to INA and for the rational use of project funds.
5. Monitoring of the implementation of recommendations made by the O & M Consultant.
6. Adjustments to Copán and Cortés work plans at the time the new computer is installed and full production capacity is attained.

7. Overall cartographic technical assistance to DEC and INA in regards to maps production.

8. Discussion and final agreement for signing the fourth project agreement - Cortés.

9. Close consultancy work with the head of the Engineering Department in all matters concerned with schedule of projects, cash flow, procurement, technical reports, etc.

B. Electronic Data Processing

1. Carry out of new computer factory acceptance test (FAT) in Huntsville, Alabama.

2. Computer's site preparation at DEC's facilities.

a. Bids evaluation and contract award.

b. Follow-up on availability of AID funds for site preparation.

c. Supervisor of site preparation work.

3. Receipt of computer equipment and implementation of installation plan.

4. Carry out computer's site test and acceptance.

5. Development, discussion and signing of on call basis maintenance contract with Intergraph, Inc.

6. Implementation of the personnel training plan.

a. System Administrators - 3 courses

b. Operators - 1 course

c. Programmers - 5 courses

d. Additional Courses - to be locally contracted.

1) Systems Analysis and Design

2) Programming Language - Cobol

7. Negotiations with Intergraph, Inc.; for a general overhaul to existing PDP 11/34 computer.
8. Development and implementation of a data conversion plan to be fed to the new acquired computer.
9. Begin and develop of normal regular operations with the new computer.
10. Implementation of the new computerized accounting system developed for INA.
11. Study of availability of telephone lines to determine installation costs and leasing costs of such facilities (Honduran Telephone Company, Hondutel).
12. Acquisition of appropriate terminals, compatible with DEC's equipment (for INA) such as:
 - a) Digitizing Table (Work Station)
 - b) Screens (Cathodic Rays Terminal)
 - c) Plotter
 - d) Printer
13. Installation and acceptance test of above mentioned equipment.
14. Personnel Training (INA)
15. Consultancy on the switching process, from present INA computer equipment to IBM 5/36.
16. Development of property owners information system.

V. RECOMMENDATIONS

This chapter incorporates the Consultants' recommendations covering current needs in the fields of Cartography, and Administration.

A. Cartography

Under this category, we have grouped all recommendations pertaining to both field and office delineation and map producing activities.

1. Present land use (parcel level) delineation should be eliminated. This recommendation, if implemented by time it was submitted to AID, could roughly save L4,000,000 to the project during its life.

2. Individual property maps should be eliminated. These serve no practical or useful purposes at all and are causing a bottle neck in computer's output.

3. It is strongly recommended, for improving delineation work quality, that DEC be authorized to purchase a transferscope, using project funds.

4. Telephone communications between the Central Office and Copán's and Cortés' Regional Offices are non-existent. There are no available telephone lines to establish such needed communications.

It is strongly recommended that a radio communications equipment be acquired and installed as soon as possible.

5. Presently, DEC is producing delineated orthophotomaps and planimetric maps, but these two maps differ in their parcel numbering system.

It has been recommended that these two types of maps be prepared using a uniform parcel numbering system. Presently, parcels delineated on orthophotomaps have a number and the corresponding parcel's on the planimeter maps bear a different number. Working or dealing with a unique parcel number would accelerate map producing activities and would save funds and efforts.

6. As the parcels under 5.0 Has. cannot be legally titled,^{1/} and DEC is delineating all parcels on government owned lands regardless of their sizes, it is recommended that the delineation activity should be carried out on a selective basis; i.e., only parcels to be titled should be delineated. This practice would result in a more efficient way of spending project funds and could accelerate the titling process.

7. As the delineation activities are producing few parcels which can be titled, it is recommended that the scope of work of the project, as well as its priorities, be revised and adjusted in order to speed-up the titling process.

B. Administration

1. Although the administration phase is not the core of this technical assistance contract, deficiencies in this DEC's area are adversely affecting map productions on time. To cope with this problem, AID amended the contract to provide two (2) additional person/months of services to carry out an administrative audit of DEC.

The final report on this activity was submitted to both AID and DEC on March 27, 1985.

^{1/} In accordance with the Agrarian Reform Law, parcels under 5 Has. can be titled only if they are planted in coffee. Parcels larger than 50 Has. cannot be titled regardless of their use.

Although it was recommended to implement such recommendations as soon as possible, DEC has failed to do so, as of the end of this period.

2. It is recommended that the FAR system be modified or deleted. Instead, funds advancements should be made to DEC through a special revolving fund in order that the delineation activities could be smoothly performed.

PART II
ADMINISTRATIVE REPORT

CLAPP AND MAYNE, INC.

HONDURAS SMALL FARMERS TITLING
TECHNICAL ASSISTANCE PROJECT

ADMINISTRATIVE REPORT

This semi-annual report covers the period April 30 through September 30, 1984.

The following personnel worked in the project during this period:

1. Mr. Miguel A. Núñez - Cartographer
2. Mr. Ibrahim Medina - Computer Analyst

During this period the first amendment to the contract was signed to increase the amount of the contract and the level of effort so as to cover the services of the O&M Specialist that were requested by INA/AID during the previous period.

Attached is the summary of costs incurred during the period April-September 1984 and costs to date under the project.

CLAPP AND MAYNE, INC.

HONDURAS SMALL FARMER TITLING
TECHNICAL ASSISTANCE PROJECT

SUMMARY OF COSTS INCURRED

<u>Budget Category</u>	<u>Budget Amount</u>	<u>Total Expenditures</u>	
		<u>Beginning of Contract thru 9/30/85</u>	<u>Period April 1 - Sept. 30/85</u>
Salaries	\$148,481	\$ 92,999.73	\$32,853.30
Fringe Benefits	27,700	19,391.32	7,017.51
Overhead	79,281	50,575.97	17,941.87
Travel and Transp.	48,458	22,622.58	2,361.27
Allowances	68,966	59,397.77	16,699.39
Other Direct Costs	<u>2,130</u>	<u>1,634.66</u>	<u>538.11</u>
Total Costs	\$375,016	\$246,622.03	\$77,411.45
Fixed Fee	<u>30,002</u>	<u>19,724.74</u>	<u>6,192.92</u>
Grand Total	<u>\$405,018</u>	<u>\$266,351.77</u>	<u>\$83,604.37</u>

ANNEX I

SUMMARY OF MAPS AND PARCELS
DELINEATED AND SUBMITTED TO INA
- COMAYAGUA -

EXECUTIVE DIRECTION OF CATASTRE
SMALL FARMER TITLING PROJECT - COMAYAGUA
SUMMARY OF MAPS AND PARCELS DELINEATED AND SUBMITTED TO INA

MONTH	SCHEDULED HAS.	ACCUMULATED PRODUCTION SUBMITTED TO INA							
		TOTAL ORTHOPHOTOMAPS	HAS. DEL. THIS MONTH	TOTAL ACC. DEL. HAS.	DIFF. WITH SCHEDULED PRODUCTION (HAS.)	% OF TOTAL HAS. SCHEDULED	TOTAL PARCELS DEL.	TOTAL PARCELS TO BE TITLED.	
JUN	1984	8,066.5	--	--	--	(8,066.5)	--	--	--
JUL		16,133	--	--	--	(16,133)	--	--	--
AUG		24,199.5	--	--	--	(24,199.5)	--	--	--
SEP		32,266	--	--	--	(32,266)	--	--	--
OCT		64,532	12	23,367.35	23,367.35	(41,164.65)	36.21%	811	708
NOV		96,798	47	84,421.56	107,788.89	10,990.91	111.35%	3,295	3,000
DEC		129,064	53	16,296.05	124,084.96	(4,979.02)	96.14%	5,091	4,756
JAN	1985	161,330	73	60,251.66	184,336.62	23,066.62	114.26%	8,303	7,758
FEB		193,596	84	34,000.00	218,398.53	24,802.53	112.81%	10,718	10,048
MAR		225,862	89	15,504.50	233,903.03	8,041.03	103.56%	11,862	11,148
APR		258,128	96	21,722.25	255,625.28	(2,502.72)	99.03%	13,856	13,064
MAY		290,394	114	52,738.84	308,364.12	17,970.12	106.19%	18,493	17,641
JUN		322,660	130	42,020.63	350,384.75	27,724.75	108.59%	21,652	20,547
JUL		354,926	130	--	350,384.75	(4,541.25)	98.72%	21,652	20,547
AUG		387,192	135	15,515.58	365,900.33	21,291.67	94.50%	22,939	21,777
SEP		419,458	157	59,323.75	425,224.08	5,766.08	101.37%	25,780	24,532