

PD-ARU-178

46885

MONTHLY REPORT

12 August 1986 - 11 September 1986

Contract Number: 635-0203-C-00-6039-00

Project Number: 635-0203

Project Title: Gambia Cartographic Studies

Remote Sensing Institute  
South Dakota State University  
Brookings, South Dakota 57007-0199

September 12, 1986

Janet Gritzner, Project Coordinator

Gray Tappan, Team Leader

Gene Eulert, Rangeland Specialist, Marc Staljanssens, Soil Scientist,  
Jim Wakeman, Land Surveyor.  
Gambia Cartographic Services - Contract 635-0203-C-00-6039-00

Ralph L. Conley, Agricultural Development Officer

Monthly Report  
12 August - 11 September

This report is submitted as the fourth of four monthly reports in compliance with Section F Subsection 6-a of the contract agreement between the Remote Sensing Institute, South Dakota State University and the U.S. Agency for International Development. The final report for the project will be a technical report which is to accompany the maps and will be delivered at the same time.

The monthly reports cover a period beginning on the 12th of every month and will be submitted as per Section F 6-a within 7 days following the end of the period being covered. This report is divided into four parts:

Summary of Activities (August 12 to September 11, 1986); Accomplishments; Problems Encountered; and Recommendations

Summary of Activities

Project Management

A telex was sent on August 8, 1986 to Leonard Kata, Regional Contracts Officer, REDSO/WCA with copy to Ralph Conley, USAID/The Gambia requesting written concurrence on 12 September 1986 date as appropriate ending date of the 120 day contract duration period and a no cost time extension of the project to 30 September 1986. (See Attachment 1 - RSI telex of 8 August).

Received telex from Kata at REDSO on 21 August stating contract signature date signals date of project startup. This 120 day contract period ends on 2 September, 1986 not 12 September 1986. Telex indicated a need for additional information before request for time extension could be granted. This information was forthwith provided by RSI (See Attachment 2 - REDSO/WCA telex of 21 August).

On 3 September, RSI received telex from REDSO stating that the regional contracting officer has signed and sent to RSI by courier the subject contract modifications extending the period of performance to 30 September 1986. (See Attachment 3 - REDSO telex of 3 Sept.) Contract amendment was received at RSI on 8 Sept., 1986 and was signed and returned by pouch on 10 Sept., 1986.

Gene Eulert, Rangeland Specialist and Jim Wakeman, Land Surveyor completed their work on the Gambia Cartographic Studies project during this reporting period. Jim Wakeman's staff appointment expired on 19 August 1986 and Gene Eulert's on 27 August 1986. Marc Staljanssens, team soil scientist has continued to work full-time on the project through the 12 August - 11 September period.

A summary of project expenditures from 5 May to 31 July, 1986, was telexed to the Project's technical officer on 19 August.

### Map Production and Report Preparation

With the air photo interpretation having been completed at the end of the previous reporting period, most of the efforts of this period were directed toward final map production through the preparation of numerous sheets of artwork. The major activities were as follows:

- The tedious and lengthy task of transferring the air photo interpretations to the base maps was completed for all map themes.
- A careful proofing of the transferred interpretations was performed. Mistakes and missing lines were rectified, thus completing the interpretation worksheets.
- The worksheets of each map theme at 1:50,000 scale were then scribed (drafted) onto stable base scribe sheets, thus completing all of the linework to appear on the final maps.
- The finished scribe sheets were used to make photographic reductions of the linework, forming the basis of the 1:125,000 scale maps.
- Worksheets of the linework were created at 1:125,000 scale. These were then scribed (drafted), thus completing the last set of scribe sheets necessary to this project.
- The soil legend was finalized, typeset, printed into negative form, and placed on the final soils map. Development of the other map legends continued during this period.
- Preparation of the lettering plates (sheets) continued through the month, representing one of the major activities in terms of time commitments. This included labelling each map unit with a code (e.g., soils codes, forestry codes, etc.). Thousands of codes were affixed to the various lettering plates. Approximately 80% of the lettering plates for the 1:50,000 scale maps were complete by September 12, while about 20% were complete for the 1:125,000 scale maps.
- Considerable progress was made on the preparation of the final technical report. Most of the report has been written (rough draft).

### Training

The training plan for the five Gambian participants was included as Attachment 4 of the monthly report dated 11 July to 12 August. Noted in the course schedule were activities for the week of 11-15 August and 18-22 August. This schedule was maintained, though work on the cartographic exercise that began the week of 4 - 8 August was not completed until 27 August, the last day of training at the RSI.

This cartographic exercise entailed the preparation of various sheets of artwork for the production of a color map on soils of the lower Gambia (Banjul sheet).

In addition to activities indicated on the course outline for the August reporting period, special tours of campus research facilities and discussions with various faculty and U.S. Government resource scientists were arranged.

The five Gambia participants departed Brookings for The Gambia on 28 August 1986.

### Accomplishments

Progress on the map production is detailed under map production activities. Much of the map preparation work was complete by 12 September. A number of the map sheets are now ready for production. It is expected that by 26 Sept. 1986, that all preparation work will have been completed.

Training of the five Gambians at RSI was successfully concluded in this reporting period.

### Problems Encountered

Because some of the earlier tasks of map production took more time than anticipated, the overall schedule was offset by about two weeks. (See monthly report 12 July to 11 August, 1986 - Problems Encountered.) This time has not been made up. In addition, less progress in preparation of maps has been made in September than in the preceding month due to the disruptions caused by the beginning of the fall semester. Much of the project labor has been student labor - graduate students and undergraduate, who now cannot devote the time to working on the maps that they could prior to the start of classes. This problem has been largely resolved by hiring additional labor, but this nevertheless has caused some disruption in the progress of map preparation.

The shortness of time of course is the major concern as the contract ends on 30 September 1986.

### Recommendations

Extending the time for finishing the work is one recommendation, though the possibility of that appears remote. In lieu of that, the RSI staff is doubling its efforts to meet the delivery schedule. The remaining work is the final map production, which largely involves the services of the RSI photo lab staff and finalizing the accompanying technical document.

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LEONARD KATA  
REGIONAL CONTRACTS OFFICER  
REDSO/WCA  
AGENCY FOR INTERNATIONAL I  
C/O AMERICAN EMBASSY  
ABIDJAN, IVORY COAST

CC: RALPH CONLEY  
USAID  
AMERICAN EMBASSY  
BANJUL, THE GAMBIA

AUGUST 8, 1986

SUBJECT - EXPENDITURES ON CONTRACT NO. 635-0233-C-00-5039-00  
GAMBIA CARTOGRAPHIC STUDIES

1. REQUEST YOUR WRITTEN CONCURRENCE ON 12 SEPT 1986 DATE AS APPROPRIATE ENDING DATE OF 120 DAY CONTRACT DURATION PERIOD. DISCUSSION OF CONFLICT BETWEEN SIGNATURE DATE OF CONTRACT AND 120 DAY DURATION FROM DATE OF AWARD CLAUSE IS CONTAINED IN RSI FIRST MONTHLY REPORT-DATED 12 JUNE 1986. NEED THIS STATEMENT FOR UNIVERSITY FISCAL ADMINISTRATION.
2. AS PER INSTRUCTION OF AID/THE GAMBIA TELEY DATED 3 JUNE 1986, WE ARE REQUESTING PRIOR WRITTEN APPROVAL FOR EXPENDITURES FROM 12 SEPT 1986 TO 30 SEPT 1986.

J. Gritzer  
M. DeVries  
Fiscal  
Office

SUMMARY OF EXPENDITURES:

13 SEPT TO 30 SEPT, 1986 \$16974

WORK BEYOND 12 SEPT WILL BE THE FINAL REPRODUCTION (PRINTING) OF MAP DELIVERABLES; EDITING AND PRINTING OF REPORT; PACKING AND SHIPPING OF MAPS AND REPORTS; AND PROJECT CLOSEDOWN.

13 SEPT - 30 SEPT, 1986

SALARIES AND WAGES	7513
FRINGE BENEFITS	1077
REPORT PREPARATION	500
FREIGHT	2000
COMMUNICATIONS	300
CONTINGENCY	1000
INDIRECT COSTS	
12390 X .37	4584

TOTAL \$16974

A SUMMARY OF CURRENT STATUS OF EXPENDITURES ON CONTRACT WILL BE CONTAINED IN SEPARATE TELEY.

REGARDS,  
JANET GRITZNER  
REMOTE SENSING INSTITUTE  
SOUTH DAKOTA STATE UNIVERSITY  
BROOKINGS, SD 57007 USA

TWX: 910-668-6894  
RSI SDSU BKNG

2229 AMEMB GV....  
004.9 MINS

Attachment 1  
STATE OF SOUTH DAKOTA  
RECORD OF LONG DISTANCE TELEPHONE CALL

TWX  
954

RSJ

SDSU Department 44317.2  
Fund Charged

Party called Ralph Conley

Tele. No. of Party Called 910-668-6894

Location Banjul, The Gambia

Subject of call Expenditures on Contract

Party calling (signature) J. Gritzer

Date called 8/14, 1986 Tel. No. called from 910-668-6894

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RSI SDSU BKNG

Attachment 2

RCA AUG 21 1443

248346 STATE UR

TO: JANET GRITZNER  
- REMOTE SENSING INSTITUTE  
- SOUTH DAKOTA STATE UNIVERSITY  
- BROOKINGS, SOUTH DAKOTA 57007-0199  
- TELEX 910-668-6894  
- RSI-SDSU-BKNG

SUBJECT: USAID GAMBIA-REMOTE SENSING INSTITUTE,  
CONTRACT NO. 635-0203-C-00-6039-00, MIXED FARMING  
PROJECT (635-0203)

1. THE AWARD DATE OF THE SUBJECT CONTRACT IS THE DATE APPEARING IN BLOCK 28 OF THE CONTRACT FACE SHEET, MAY 5, 1986. THE PERIOD OF PERFORMANCE OF THE CONTRACT IS ESTABLISHED IN SECTION C, PAGE C.4. OF THE CONTRACT WHERE THE CONTRACT STATES THAT WORK SHALL BE COMPLETED WITHIN 120 DAYS FOLLOWING CONTRACT AWARD. THUS, THE CONTRACT COMPLETION DATE IS SEPTEMBER 2, 1986.

2. REDSO CONTRACTING OFFICER IS CONSIDERING AN EXTENSION OF THE PERIOD OF PERFORMANCE OF THE SUBJECT CONTRACT FROM SEPTEMBER 2, 1986 TO SEPTEMBER 30, 1986. HOWEVER, REDSO NEEDS TO KNOW IF THE COSTS OF DOLS 16,974 QUOTED IN THE REFERENCED TELEX ARE COSTS TO BE INCURRED WITHIN THE CONTRACT TOTAL BUDGET OF DOLS 298,168 OR IF THEY ARE BEING PROPOSED IN ADDITION TO THE TOTAL CONTRACT AMOUNT OF DOLS 298,168.

3. RSI MUST SPELL OUT THE REASONS CAUSING THE DELAY IN PERFORMANCE OF THE CONTRACT BEFORE REDSO CAN CONSIDER EXTENDING THE PERIOD OF PERFORMANCE.

4. ANY PROPOSED COSTS FOR SALARIES, WAGES, AND CONSULTING FEES TO BE PAID DURING THE EXTENSION PERIOD MUST BE PROVIDED BY RSI TO REDSO I.E., POSITION, DURATION, AMOUNT OF PAYMENT, PURPOSE OF WORK.

5. THE INFORMATION DESCRIBED IN ITEM 2, 3, AND 4 ABOVE IS NEEDED IMMEDIATELY. PLEASE SUBMIT BY TELEX.

LENNY KATA  
REGIONAL CONTRACTING OFFICER  
REDSO/WCA  
AMERICAN EMBASSY  
ABIDJAN, COTE D'IVOIRE. 19551/L1675

248346 STATE UR

*J. Gritzner  
M. DeVries  
Gray Tappan  
K. Dalsted  
Office  
Fiscal*

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Attachment 3

'LRSI SDSU BKNG

RCA SEP 03 1507

248346 STATE UR

TO: JANET GRITZNER  
- REMOTE SENSING INSTITUTE  
- SOUTH DAKOTA STATE UNIVERSITY  
- BROOKINGS, SOUTH DAKOTA 57007-0199  
- TELEX 910-668-6894  
- RSI-SDSU-BKNG

*Office  
Gritzner  
Tappan  
DeVries  
Fiscal  
Costar  
Wagner*

SUBJECT: USAID GAMBIA - REMOTE SENSING INSTITUTE,  
CONTRACT NO. 635-0203-C-00-5039-00, MIXED FARMING  
PROJECT (635-0203), CONTRACT MODIFICATION NO. 1

REDSO REGIONAL CONTRACTING OFFICER HAS SIGNED AND SENT  
TO RSI BY COURIER THE SUBJECT CONTRACT MODIFICATION  
EXTENDING THE PERIOD OF PERFORMANCE OF THE SUBJECT  
CONTRACT TO SEPTEMBER 30, 1980.

LENNY KATA  
REGIONAL CONTRACTIN OFFICER  
REDSO/WCA  
AMERICAN EMBASSY  
ABIDJAN, COTE D'IVOIRE. 20595/L166

248346 STATE UR