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MONTHLY REPORT

12 May 1986 - 11 June 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

June 12, 1986

Janet Gritzner, Project Coordinator
Gray Tappan, Team Leader

Gambia Cartographic Studies. Contract 635-0203-C-00-6039-00

Ralph L. Conley, Agricultural Development Officer

Monthly Report
12 May, 1986 - 11 June, 1986

This report is submitted as the first 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 Agency for International Development. 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 first report contains a schedule of activities, beginning 12 May 1986, the date of project start-up to 11 June, 1986. Included are comments and discussion of the status of work under the contract with note of both accomplishments and problems or conditions that prevented the completion of activities as projected on the project workplan. Plans for the ensuing period, including sets of recommendations, are reported.

The major topics covered by the report are Summary Of Activities - 12 May - 11 June, 1986 including Project Start-up at RSI, Project Organization and Data Collection in The Gambia - Week 1 and 2, Reconnaissance Field Trip; Accomplishments, Problems Encountered; and Recommendations.

Summary Of Activities
12 May - 11 June, 1986

Project Start-Up at RSI/SDSU

Telex received at RSI on 12 May, 1986 from REDSO-WCA stating award to RSI of contract 635-0203-C-00-6039-00, Gambia Cartographic Studies and permission to commence work without receipt of signed contract.

Work is to be completed with 120 days following contract award (see Section C-4 of contract) - or 9 September, 1986. All work plans are projected on the 120 day time period.

Phone contact made with Ralph Conley, Mission Project Officer on May 13 to set up tentative travel arrangements for field team.

Travel clearances requested from USAID/Banjul for RSI team members Janet Gritzner, Project Coordinator, Gray Tappan, Team Leader and Jim Wakeman, Land Surveyor for travelling commencing 22 May, 1986 with arrival in The Gambia on 23 May 1986. Travel authorization later re-requested to Jim Wakeman for 26 May, arrival in The Gambia. Travel plans for Wakeman changed because unanticipated personal commitments.

Remainder of team assembled. Final contract arrangements made for employing Dr. Gene Eulert, as rangeland specialist and Mr. Marc Staljanssens as Soil/Forestry expert.

Consultant agreements were prepared for contracting services of Dr. Frederick Westin as workshop coordinator in The Gambia and Mr. Tom Comblentz as Map Production Specialist.

Project equipment, materials and supplies were collected and prepared for transport as excess baggage to accompany travellers Gritzner and Tappan.

Travel authorization requested from AID for Eulert and Staljanssens travel to The Gambia on June 2 and June 6 respectively (TW dated 27 May, 1986). Travel documentation, medical clearance, inoculations, and medication obtained for prospective travellers. Check for \$US 10,000 prepared by SDSU for setting up local currency account in The Gambia.

Travel schedule with anticipated dates on arrival and departure from The Gambia for field team and consultant training specialist prepared. (See attachment 1 - for time table).

Cartographic work on preparation twenty (20) 1 to 50,000 scale base maps of The Gambia including planimetry begun. This work is to be accomplished in the U.S. with an anticipated completion date of 20 July 1986. Arrangements initiated with Markhurd to purchase 391 frames of 1:50,000 black and white photography of The Gambia acquired for OMVG/USAID.

Phone and telex contact made with David Hunsberger, River Basin Development Office, to secure release of photography for use on Gambia Cartographic Project. Team member Eulert to bring photographic prints from US to The Gambia as hand baggage.

Order placed with Eros Data Center for purchase of Landsat Thematic Mapper multiband imagery of The Gambia collected April 1986. Delivery to RSI expected in late June.

Project Organization And Data Collection In The Gambia
Week 1: 23 May - 30 May 1986

Dr. Janet Gritzner, Project Coordinator and Mr. Gray Tappan, Team leader with all project supplies arrived in Banjul on 23 May 1986 as scheduled. They were met by AID van and transported to hotel lodging.

Met with Ralph Conley, May 25 to set up week schedule.

Visited Mixed Farming Project Offices at Abuko on May 26 (Memorial Day Holiday) and was introduced to Mixed Farming Chief of Party, Glen Fulcher and Cartographer, Ed Reigalman. Had extensive discussion with Ed Reigalman on mapping effort by rangeland component of Mixed Farming Project and its relationship to the contracted work for the Gambia cartographic studies.

Jim Wakeman, Land Surveyor for the cartographic team arrived May 26 as scheduled.

Initiated paper work for Gritzner, Tappan and Wakeman to obtain multientry Gambian and Senegalese visas and to qualify for U.S. Embassy check cashing, commissary and medical privileges. Visas were obtained on 30 May in preparation for following week trip to Dakar.

Submitted to Ralph Conley, ADO a list of GOTG agency and U.S. and U.N. Project Representatives to meet with and discuss project objectives. List and date of appointments included on attachment 2.

Discussed with AID Controller setting up of Dalasis bank account in The Gambia alternate possibilities for handling local currency. Final decision made to deposit full U.S.\$10,000 in account with the option to convert remainder to U.S. currency at termination of project.

Acquired from Lands and Surveys Department three of seven items listed to be provided by AID and GOTG in Section C. Available data for the contractor (page C3) of the contract. Additional discussion on the problems of acquiring basic project materials is included under the heading.

Assigned one of two promised offices at the Ministry of Agriculture, Mixed Farming Project at Abuko.

Was provided one vehicle (a landrover formally used by the Mixed Farming Project, and Chauffer. Regulations regarding after hour use of an official vehicle have placed some constraints on certain aspects of project work, as tourist taxis and other means must be used after hours for team transportation. Transported equipment and materials to Abuko to set office.

Was lent by AID mission a complete set of Markhurd orthophoto maps of The Gambia at 1:50,000 scale for use in the mapping effort.

Week 2 - 2 June - 6 June, 1986

Set up first of two offices at Abuko including unpacking and setting up of the RSI zoom transfer scope.

RSI range land specialist, Gene Eulert arrived June 2 as scheduled. He did not bring OMVG photography as anticipated due to snafu in obtaining official release.

Initiated and obtained Senegal visa for Gene Eulert.

Phone contact made to David Hunsberger by Ralph Conley to determine problem in release of OMVG prints to RSI. Problem resolved when agreement was made by RSI to pay up to 10% surcharge for use of prints. New telex was sent by RSI requesting photography which included agreement to pay all charges. Prints to be sent by DHL courier in care of AID upon receipt of OMVG release. OMVG photography received 11 June 1986.

Team members Gritzner, Tappan and Eulert departed Banjul for Dakar 3 June for Project Coordination with OMVG and equipment and material acquisition. Team returned to Banjul 6 June.

Land Surveyor, Jim Wakeman remained Banjul during this period to complete work on upstating feature name information on the 1:50,000 DOS map bases. These data are to be taken back to the U.S. by the Project Coordinator upon her return on June 13. See discussion planimetric update under Achievements.

Marc Stajanssens, Soils/forestry expert arrived in The Gambia on 6 June as scheduled.

Reconnaissance Field Trip
9 June - 11 June

A reconnaissance field trip was undertaken by the full team departing Banjul 9 June and returning 12 June 1986.

The travel itinerary was as follows:

June 9 - Banjul to Tendaba Camp
Nights lodging at Tendaba Camp.

June 10 - Tendaba Camp to Sapu
Nights lodging at Sapu Guest House.

June 11 - Sapu to Basse to Tendaba Camp
Nights lodging at Tendaba Camp.

June 11 - Tendaba Camp to Banjul
Returned 11:45 a.m.

Principal purpose of reconnaissance survey was to familiarize team with various landscapes, make specific observations on soils, agricultural landuse, forest and range conditions, and cultural features and to discuss as team, various proposals for mapping of the five themes of soils, agriculture, rangeland, forestry and planimetry as required by contract.

Achievements

Project start-up activities at RSI were completed on schedule, with the exception of the expected delivery of OMVG 1:50.000 black and white photography to the field team by June 2. Photography was received by June 11, which caused only minimal delay in the projected work schedule of the field team. The full field team is now assembled and have participated in the first of three field reconnaissance trips.

Mapping work has now commenced with all team members working in accordance with the overall work plan. Work is most advanced on the updating of map planimetry due to the earlier arrival Mr. Wakeman, the Land Surveyor, then other team members.

Problems Encountered

There are several as yet unsolved problems which could jeopardize the timely completion of the mapping effort. These are enumerated as follows:

1. Failure to receive all seven items listed in Section C.
Available data for the contractor on page C3 of the contract.

Data still unavailable are:

- a) 526 sheets of forestry inventory maps of The Gambia at a scale of 1:10,000 published in 1983.
 - b) 1:25,000 pancromatic and infrared photographs flown in 1980 (for the Mixed Farming project).
 - c) Ground truth information on croplands and forest in The Gambia.
2. Have not been assigned second project office at Abuko. One office is not adequate to provide working space for the four man field team.
 3. Shortage of fuel up country may limit length and breath of team field reconnaissance trips.
 4. Condition of Landrover provided to field team may limit subsequent field excursions as vehicle has a bad cylinder which results in loss of power and much use of oil.
 5. Lack of lodging up country is a major problem limiting field excursions. Camping equipment will either need to be borrowed or purchased to complete required field verification.

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6. Difficulty in appropriate interfacing with team members of the Mixed Farming Project, because of departure of that team to U.S. in early June, makes certain contract requirements impossible to meet. These are specifically those relating to the construction of the agricultural landuse and rangeland maps.
7. Restricted use of the project vehicle during 8 to 4 five day work periods poses a hardship on team member travel in and around Banjul in the off hours and is an extra expense to the project.

Recommendations

Problems encountered will require immediate solution, if the project work is to continue on schedule. Materials from the Mixed Farming Project - 1:25,000 black and white and color infrared photography, the 526 1:10,000 forestry maps, and the Mixed Farming data sheets on range and land use must be made available to the RSI cartographic team.

The work plan, which is submitted as a separate report, must be carefully followed in terms of tasks and time if the 120 day contract obligation is to be met. Facilitation from USAID/Banjul and the GARD Project (who have taken over materials, equipment, supplies, and office space from the Mixed Farming Project) will be needed if the project time table is to be met.

Attachment 1

Travel Schedule RSI Cartography Project

<u>Traveller</u>	<u>Position</u>	<u>Arrival Banjul</u>	<u>Departure</u>
Janet Gritzner	Project Coordinator	May 23	June 13
Gray Tappan	Team Leader	May 23	June 21
Jim Wakeman	Land Surveyor	May 26	July 21
Gene Eulert	Rangeland Specialist	June 2	July 21
Marc Staljanssens	Soil Scientist	June 6	July 25
Fred Westin	Training Specialist	July 11	July 25

Attachment 2

Meetings And Interviews*

Meeting with	Position	Date of Meeting
Dr. Mahmoud Reda	FAO Representative	28 May
Sompo Ceesay	Assist. Director of Agriculture Department of Agriculture	28 May
Elon Gilbert	Chief of Party, GARD Project	28 May
Ed Reigalman	Geographer/Cartographer Mixed Farming Project	26 May and 2 June
Glen Fulcher	Chief of Party Mixed Farming Project	26 May
Buba Barry	Asst. Director Dept. of Lands and Survey ¹¹	28 May and 3 June
Matarr Jobe	Director Dept. of Lands and Surveys	29 May
Momodou Sahor	Director Dept. of Water Resources	29 May and 30 May
Fatou Jasseh	Asst. Director Dept. of Water Resources	29 May
Chris Elias	Rural Sociologist GARD Project, working with Dept. of Water Resources	29 May
Harvey Metz	USDA PASA Advisor to Soil and Water Management Unit	30 May
John Fye	Soil Scientist of Soil and Water Management Unit	30 May
Scotty Deffendol	Rangeland Specialist Mixed Farming Project	30 May
David Hunsberger	River Basin Development Office	5 June
Andre DeGeorges	OMVG Environmentalist	5 June
Jim Webb	OMVG Economist	5 June
John Riesling	OMVG Hydrologist	5 June

* USAID/Banjul Mission staff are not included in this listing.

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