

AGENCY FOR INTERNATIONAL DEVELOPMENT

ADVICE OF PROGRAM CHANGE

COUNTRY	: Mali.
PROJECT TITLE	: Land Use Capability Inventor
PROJECT NUMBER	: 688-0205
FY 1982 CP REFERENCE	: FY 1982 CP, amended, p. 222
APPROPRIATION CATEGORY	: Sahel Development Program
LIFE-OF-PROJECT FUNDING	: \$5,222,000
INTENDED FY 1982 OBLIGATION	: \$228,000 (Grant)

This is to advise that A.I.D. intends to increase life-of-project funding for this project by \$228,000, from \$4,994,000 to \$5,222,000. This increase of \$228,000 is proposed for obligation in FY 1982.

This increase in funding is based on recommendations of independent consultants who evaluated the project and recommended additional technical assistance to complete the project's objectives. The increased funding will finance the required additional technical assistance to carry out on-the-job training of Malian personnel. This will complete the transfer of technology in land use inventory and planning processes.

On July 15, 1982, the AA/AFR approved the recommendation that the determination set out in Section 121(d) of the FAA is not required.

**AGENCY FOR INTERNATIONAL DEVELOPMENT
ACTIVITY DATA SHEET**

PROGRAM: MALI

TITLE Land Use Capability Inventory		FUNDING SOURCE Sahel Development Program	PROPOSED OBLIGATION (In thousands of dollars) FY 82 228		LIFE OF PROJECT (Auth.) 5,222
NUMBER 688-0205	NEW <input type="checkbox"/>	PRIOR REFERENCE Advice of Program Change	INITIAL OBLIGATION FY78	ESTIMATED FINAL OBLIGATION FY 82	ESTIMATED COMPLETION DATE OF PROJECT CY 84
GRANT <input checked="" type="checkbox"/> LOAN <input type="checkbox"/>	CONTINUING <input checked="" type="checkbox"/>	Dated 5/18/81 #250			

Purpose: To perform an inventory of land and water resources and to assist the Government of the Republic of Mali (GRM) in developing a capacity to plan for effective utilization of its resources.

Background: The per capita GNP in Mali is \$120, making it the poorest country in the Sahel and among the seven poorest nations worldwide. The national physical quality of life index (PQLI) is 14, the lowest in the world. Basic information on the country's agricultural and range resources is lacking and is felt to be an essential prerequisite to establishing national planning priorities and strategies. Given the fragility of the Sahelian environment, careful understanding of the production potential of differing areas is required to do rational land use planning and to evolve food and cash crop production.

Project Description: The project attempts to provide a sound technological basis for national and regional allocations of scarce resources in the field of agricultural and range development. The project is designed to compile information on Malian natural resources in narrative text form, on maps, and in tabular presentations of production potential of different agro-ecological zones. Twelve Malians are being trained on-the-job and four through overseas participant training in order to staff the GRM Office of Resource Evaluation. A technical assistance contractor began work in January, 1980. An evaluation recently completed by three external consultants reports very favorably on project progress and the contribution of GRM personnel. The major recommendation of the evaluators was to extend the project slightly to intensify the on-the-job training of Malian colleagues so that they would be better prepared to feed-back the data into the end user organizations.

Relation of Project to A.I.D. Country Strategy: The long term primary sector goal of U.S. assistance to Mali is to increase the quantity of food available to the population. As 85% of Mali's citizens are rural farmers and herders, this means increasing the productivity of crop and range lands. The project strengthens the informational base for rational decision making in land development and transfers the technology to Malian personnel.

Beneficiaries: The direct beneficiaries of the project will be the GRM staff responsible for resource evaluation; while the ultimate beneficiaries will be the approximately 600,000 farm families in the rural areas. Cost per family will be \$8.70 over the life of the project.

Host Country and Other Donors: The GRM is providing counterpart personnel. France is contributing technical assistance in geo-hydrological mapping and tropical agronomy.

Major Outputs:

Trained Personnel:	<u>All Years</u>
Maliens receiving on-the-job training	12
Maliens receiving M.Sc. degrees or equivalent	4
Resource Inventory:	
Land use maps	x
Detailed description of soil-vegetation characteristics	x
Estimates of crops and range potential	x
Institutional capability for land use data collection and use in project planning	x

A.I.D. Financed Inputs:

Technical Assistance (348 p.m.)	3,341
Training: Long Term Participants Training (48 p.m.)	214
Other Costs: Operating Costs	1,667
TOTAL	<u>5,222</u>

U.S. FINANCING (In thousands of dollars)				PRINCIPAL CONTRACTORS OR AGENCIES
	Obligations	Expenditures	Unliquidated	
Through September 30, 1980	3,269	1,287	1,982	Tippett -Abbett-McCarthy-Stratton
Estimated Fiscal Year 1981	1,725	1,361	366	
Estimated through September 30, 1981	4,994	2,648	2,348	
		Future Year Obligations	Estimated Total Cost	
Proposed Fiscal Year 1982	228		5,222	

Clearances:

AFR/DR/SWAP: JRMcCabe (Draft) F
AFR/SWA: FEGilbert Adm for
AAA/AFR/DP: ICoker SS
GC/LP: GLecce dy
DAA/AFR: FCorrel e.
LEG: MO'Sullivan _____

BSA
Drafted: AFR/DR/SWAP: RUSimons: 7/14/82: x28242: vd

file - Mali
1 JUN 1981

ACTION MEMORANDUM FOR THE ACTING ASSISTANT ADMINISTRATOR FOR AFRICA

FROM: AAA/AFR/DB, John W. Koehring

SUBJECT: Mali Land Use Inventory Project (688-0205): PP Supplement

REF: (A) PP Supplement-1/26/81 (B) Bamako 1995 (C) Project Evaluation-12/22/80

I. Problem: Your approval is required to amend the grant authorization to Mali from the Sahel Development Program appropriation for the Land Use Inventory Project (688-0205). This amendment authorizes (a) an increase in life-of-project (LOP) funding by \$600,000, from \$4.394 to \$4.994 million; and (b) an extension of the Project Assistance Completion Date (PACD) from December 30, 1982 to December 31, 1983. It is planned that \$1,725,000 will be obligated in FY 1981.

II. Discussion:

A. Project Description

1. Purpose. The purpose of the Land Use Inventory Project is to provide a sound technological basis for national and regional allocations of scarce resources in the fields of agriculture and range development. The project is designed to compile information on Malian natural resources in narrative text form, on maps and in tabular presentations of the productive potential of different agro-ecological zones. In the process, twelve Malians are to be trained on-the-job and four through overseas participant training in order to staff the Government of the Republic of Mali (GRM) Office of Resource Evaluation.

2. Conformance to AID Country Strategy. The long term primary sector goal of U.S. assistance to Mali is to increase the quantity of food available to the population. As 85% of Mali's citizens are rural farmers and herders, this means increasing the productivity of crop and range lands. The project strengthens the informational base for rational decision making and transfers the technology to Malian personnel.

3. Beneficiaries. The direct beneficiaries of the project will be the GRM staff responsible for resource evaluation; while the ultimate beneficiaries will be the approximately 600,000 farm families in rural areas.

B. Financial Summary

1. Funding. Authorized life-of-project funding to date is \$4.394 million, and this proposed amendment would increase the total life-of-project funding to \$4.994 million.

2. Budget Breakdown.

	(\$ thousands)		
	Authorized LOP	Proposed Increase	Proposed LOP
Technical Assistance	2,866	247	3,113
Commodities	58	16	74
Participants	214	-	214
Other Costs	926	337	1,263
TOTAL	4,064	600	4,664
Local Cost Financing	330	-	330
GRAND TOTAL	\$4,394	\$600	\$4,994

3. Host Country and Other Donor Contributions. The host country is providing \$100,000 and counterpart technicians for the effort. The Government of France has contributed two technical experts for a total of 36 person months, valued at \$313,000.

C. Socio-Economic, Technical and Environmental Description

1. Socio-Economic Acceptability of Project. The project was judged fully acceptable as it is principally a research and training project. A project evaluation (See Ref C) indicated that counterpart relations and the contributions of GRM personnel are very positive.

2. Human Rights Implications. None.

3. Technical Analysis. The Project Evaluation (Ref C) found the project to be technically sound and that progress by the contractor and the GRM was very positive.

4. Environmental Analysis. As there are no changes in inputs, outputs, or purpose, the original negative IEE determination stands.

D. PP Supplement Request

1. Background. In January, 1981, a Project Paper (PP) supplement of \$1.111 million was authorized (See Ref A). This supplement remedied already identified shortages in funding and time for the project. These had occurred due to underestimation, oversights, and unforeseen costs at the time the PP was written, as well as inflation increases caused by delays encountered in project implementation. A lengthy and careful analysis of the request was carried out, including an inquiry by the AID/W project officer who was in Bamako at the time.

2. Current Request. The current supplement request (See Ref B) was anticipated because the Mission recognized that the mid-term project evaluation might identify further needs which should be acted upon. However, the Mission did not have time to fully consider the results of the evaluation until the past few months. This request for an increase of \$600,000 and a one-year extension of the PACD emerged from the evaluation's specification of four major needs. These are: (1) Field checking and verification of soils survey data; (2) execution of forage sample survey for range production estimates; (3) short term consultants to analyze and evaluate the basic land and water data; and

(4) Additional in-depth training of Malian colleagues in the transfer of field data to maps and its proper interpretation.

All of the tasks to be performed are totally within the scope of the original FP, requiring increases in time, level of effort, operating and administrative support costs. Essentially, an additional six months of five contractor technical advisors will be needed to complete the field work for the project. The inputs required to accomplish the above activities are shown in the budget line-items identified below.

<u>Technical Assistance:</u> Salaries and Overhead for 5 Advisors for 6 Months Each (30 PMs)		218,000
<u>Travel, Transport and Per Diems:</u> International travel for R & R for 10 persons allowed under host country contract terms. (\$18,000)		
-Per diems for field work by New York headquarters staff on TDY Bamako, and for up-country travel by Bamako staff		(\$ 9,000)
-Transport of additional work supplies, such as technical materials and supplies for map- making, etc.		(\$ 2,750) 29,750
<u>Equipment and Supplies:</u> Cost of plane rental, map-making, testing and office supplies.		16,000
<u>Inventory of Surface Water:</u> Satellite imagery computer print- outs and analyses by University of Michigan, ERIN Center (sub-contractor).		100,000
<u>Other Direct Costs:</u> Petrol, vehicle maintenance, office rental, car insurance, school allowances, office utilities, local staff support, communications, etc.		156,875
	Sub-total	520,625
<u>10% Fixed Fee (Host Country Contract)</u>		52,000
	Sub-total	572,625
<u>Counterpart Support Costs</u>		5,000
<u>Reserve for Contingency (3.8% for six months period)</u>		22,375
TOTAL		\$600,000

The extension of PACD from December 30, 1982 to December 31, 1983 will allow for the completion of participant training by the last returning trainee supported under project funding.

As there is no change in project goal, purpose or scope, this action request on the part of the Mission is deemed to be a project supplement.

3. Project Committee Review. The Project Committee has examined the proposed amendment and implementation plan, and believes it establishes a realistic time frame for carrying out this final stage in the project.

4. Implementing Agencies. The project effort is being carried out primarily by the GRM through a host country contract with Tippetts-Abbett-McCarthy-Stratton, in cooperation with the USAID/Mali Mission.

E. Committee Action and Congressional Apprisement

1. Project Review. On May 28, 1981, a Project Review chaired by Jonathan R. McCabe was held, and recommended approval of the PP supplement. An ECPR was not recommended.

2. Congressional Notification. The additional \$600,000 LOP funding required was not included in the FY 1981 Congressional Presentation (CP) as the Mission did not have a firm basis for a proposal until completion of the recent evaluation. The Mission now wishes to effect a third quarter obligation, and this has been scheduled as part of its FY 1981 Operational Year Budget (OYB). A Congressional Notification (CN) was forwarded on May 18, 1981 and will expire on June 1, 1981.

F. 611(a) Requirements

The requirements of Section 611(a) of the Foreign Assistance Act (FAA) have been satisfactorily met.

G. 611(b) Requirement

These requirements are not applicable to this project.

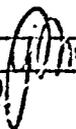
H. Project Officers

The USAID/Mali Project Manager for the project is Gail Shands. The AID/W Project Officer responsible is Roger J. Simmons.

III. Recommendation

That you sign the attached Project Authorization, and thereby approve an increase in the authorized amount of the grant funding from \$4.394 to \$4.994 million; and an extension of the PACD of the grant from December 30, 1982 to December 31, 1983.

Clearances

AG/DAM/AFR:RStacy
AFR/DR/SWAP:JRMccabe 
AFR/SWA:ICoker (draft)
AFR/SWA:HGray (draft)
AFR/DR/ARD:QBenbow (draft)
AFR/DR/SDP:JHester (draft)
AFR/DP:JAnderson (draft)

AFR/DR:NCohen 
GC/AFR:TBork (draft)
AFR/SWA:LWerlin (draft)
AFR/DR/ENGR:ATummarello (draft)
AFR/DR/ARD:GSteele (draft)
AFR/DR/SDP:JIvester (draft)

Drafted by:AFR/DR/SWAP:RJSimmons:fn:5/21/81: ext 28242

PROJECT AUTHORIZATION AMENDMENT

Name of Country: Mali

Name of Project: Land Use Inventory

Number of Project: 688-0205

1. Pursuant to Section 103 of the Foreign Assistance Act of 1961, as amended (the "FAA"), the Land Use Inventory Project for the Government of the Republic of Mali was authorized on August 15, 1977, and was amended on September 5, 1978 and January 26, 1981 pursuant to Section 121 of the FAA. That authorization, as amended, is hereby amended as follows:

a. The paragraph added to the authorization under Section 2. of the amendment dated September 5, 1978 and amended under paragraph a.(1) of the amendment dated January 26, 1981 is hereby revised as follows:

- (1) By striking out "Four Million Three Hundred Ninety Four Thousand," and substituting in lieu thereof "Four Million Nine Hundred Ninety Four Thousand."

2. The authorization, as amended, cited above remains in force except as hereby amended.



Acting Assistant Administrator
for Africa

6/1/81

Date

Clearances: As shown on Action Memorandum

2. COUNTRY/ENTITY **MALI** D = Delete 3

3. PROJECT NUMBER **688-0205**

4. BUREAU/OFFICE **AFR** 1

5. PROJECT TITLE (maximum 40 characters) **Mali Land Use Inventory**

6. PROJECT ASSISTANCE COMPLETION DATE (PACD) **MM DD YY 01 6 30 8 3**

7. ESTIMATED DATE OF OBLIGATION (Under "B." below, enter 1, 2, 3, or 4)

A. Initial FY **79** B. Quarter C. Final FY **81**

8. COSTS (\$000 OR EQUIVALENT \$1 =)

A. FUNDING SOURCE	FIRST FY			LIFE OF PROJECT		
	B. FX	C. L/C	D. Total	E. FX	F. L/C	G. Total
AID Appropriated Total	2,000	200	2,200	4,664	330	4,994
(Grant)	(2,000)	(200)	(2,200)	(4,664)	(330)	(4,994)
(Loan)	()	()	()	()	()	()
Other U.S. 1.						
Other U.S. 2.						
Host Country		52	52		100	100
Other Donor(s)	150	7	157	300	13	313
TOTALS	2,150	259	2,409	4,964	442	5,407

9. SCHEDULE OF AID FUNDING (\$000)

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	C. PRIMARY TECH. CODE		D. OBLIGATIONS TO DATE		E. AMOUNT APPROVED THIS ACTION		F. LIFE OF PROJECT	
		1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan
(1) SDP	189	092		4,394		600		4,994	
(2)									
(3)									
(4)									
TOTALS				4,394		600		4,994	

10. SECONDARY TECHNICAL CODES (maximum 5 codes of 3 positions each)

11. SECONDARY PURPOSE CODE

12. SPECIAL CONCERNS CODES (maximum 7 codes of 4 positions each)

A. Code

B. Amount

13. PROJECT PURPOSE (maximum 400 characters)

To compile information on Malian natural resources so that a sound basis for resource allocations in agriculture and range management can be made by host country nationals with enhanced technological capabilities.

14. SCHEDULED EVALUATIONS

Interim **MM YY 12 80** Final **MM YY 12 81 2**

15. SOURCE/ORIGIN OF GOODS AND SERVICES

000 941 Local Other (Specify):

16. AMENDMENTS/NATURE OF CHANGE PROPOSED (This is page 1 of a page PP Amendment)

Amendment is a PP Supplement to increase LOP funding and extend PACD. No change in purpose, outputs, or scope.

17. APPROVED BY

Signature **David Wilson** *Louise Worley for David Wilson*

Title **Mission Director**

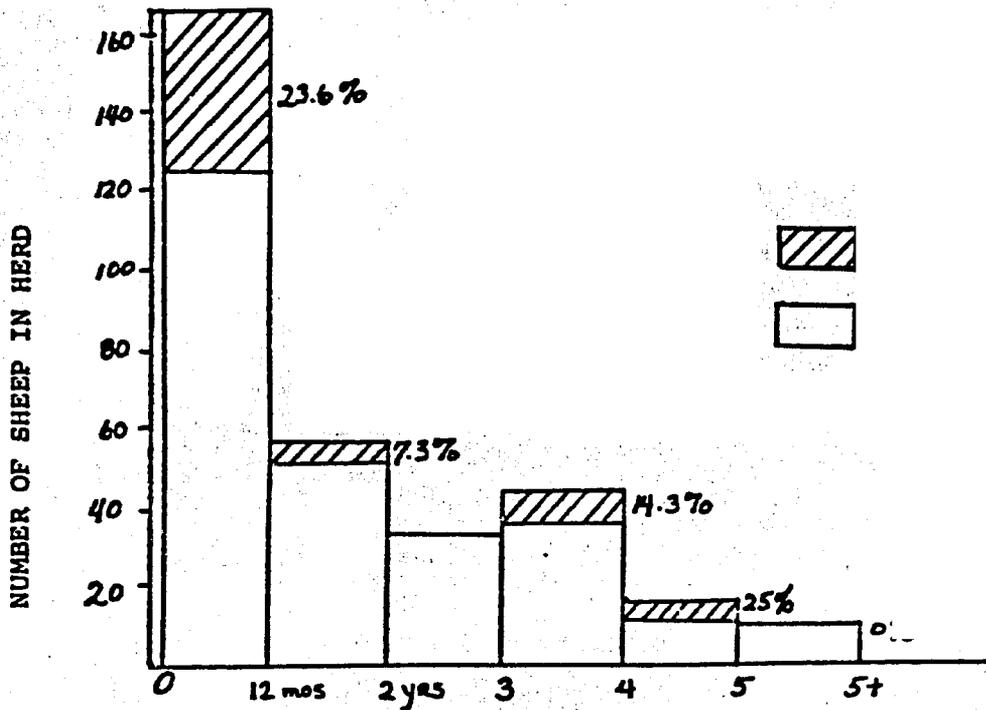
Date Signed **MM DD YY 03 29 81**

18. DATE DOCUMENT RECEIVED IN AID/W, OR FOR AID/W DOCUMENTS, DATE OF DISTRIBUTION

MM DD YY 09 30 81

FIGURE I

Mortality by Age in 320 male sheep
Sector Tombouctou
Region Tombouctou



Mortality by Age in 987 female sheep

