

4390065-9  
 PD-APP-414-C1

AID 1020-26 (7-68)			SECURITY CLASSIFICATION			001 PROJECT NUMBER		
PROJECT APPRAISAL REPORT (PAR) (U-446) See M.O. 1026.1			Unclassified			439-11-190-065,6		
002 PAR	MO.	DAY	YR.	003 U.S. OBLIGATION SPAN		004 PROJECT TITLE		
AS OF	1	0	1	FY 66	Thru FY	7	4	Agriculture Development Fisheries
005 COOPERATING COUNTRY - REGION - AID/W OFFICE				A.I.D. Reference Center Room 1656 NS				
Laos								

AID DOLLAR FINANCING-OBLIGATIONS (\$000)	TOTAL	CONTRACT (NON-ADD)	PERSONNEL SERVICES			PARTICIPANTS		COMMODITIES		OTHER COSTS	
			AID	PASA	CONTRACT	DIR. PASA	CONTRACT	DIR. PASA	CONTRACT	DIR. PASA	CONTRACT
CUMULATIVE NET THRU ACTUAL YEAR (FY 1969)	395	301	-	-	299	8	-	83	-	3	2
PROPOSED OPERATIONAL YEAR (FY 1970)	127	89	-	-	87	18	-	20	-	-	2

CCC VALUE OF P.L. 480 COMMODITIES (\$000) → Thru Actual Year : Operational Year Program :

TYPE CODE b	TYPE CODE c	a. IMPLEMENTING AGENCY	TYPE CODE		d. CONTRACT/PASA/VOLAG NO.	e. LEAVE BLANK FOR AID/W USE
			b.	c.		
1. U.S. CONTRACTOR 2. LOCAL CONTRACTOR 3. THIRD COUNTRY CONTRACTOR 4. PARTICIPATING AGENCY 5. VOLUNTARY AGENCY 6. OTHER:	0. PARTICIPATING AGENCY 1. UNIVERSITY 2. NON-PROFIT INSTITUTION 3. ARCHITECTURAL & ENGINEERING 4. CONSTRUCTION 5. OTHER COMMERCIAL 6. INDIVIDUAL 7. OTHER: Technical Consultant	U.S. Consultants, Inc.	1	7	AID-439-699	

PART I - PROJECT IMPACT

I-A. GENERAL NARRATIVE STATEMENT ON PROJECT EFFECTIVENESS, SIGNIFICANCE & EFFICIENCY.

This summary narrative should begin with a brief (one or two paragraph) statement of the principal events in the history of the project since the last PAR. Following this should come a concise narrative statement which evaluates the overall efficiency, effectiveness and significance of the project from the standpoint of:

- (1) overall performance and effectiveness of project implementation in achieving stated project targets;
- (2) the contribution to achievement of sector and goal plans;
- (3) anticipated results compared to costs, i.e., efficiency in resource utilization;
- (4) the continued relevance, importance and significance of the project to country development and/or the furtherance of U.S. objectives.

Include in the above outline, as necessary and appropriate, significant remedial actions undertaken or planned. The narrative can best be done after the rest of PART I is completed. It should integrate the partial analyses in I-B and I-C into an overall balanced appraisal of the project's impact. The narrative can refer to other sections of the PAR which are pertinent. If the evaluation in the previous PAR has not significantly changed, or if the project is too new to have achieved significant results, this Part should so state.

008 NARRATIVE FOR PART I-A (Continue on form AID 1020-25 I as necessary):

The following advancements have been made since the last PAR dated November 30, 1968

- Three more participant trainees completed a 3 month training course in Thailand. Since July there are 2 trainees in Japan attending a 6 months fish culture training course under the sponsorship of The Colombo Plan.

MISSION DIRECTOR APPROVAL →	SIGNATURE	DATE
	<i>[Signature]</i>	December 23, 1969

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## PAR CONTINUATION SHEET

This sheet is to be used for any Narrative Sections for which sufficient space has not been provided on the form. Identify each narrative by its Part and Section Designation.

The station facilities are nearly completed, except for additional construction of one pond at Pakse, five ponds at Nong Teng, and two ponds at Luang Prabang plus some minor improvements at each station.

(1) Overall performance and effectiveness of project implementation:

Unchanged from last PAR.

(2) The contribution to achievement of goals:

Unchanged from last PAR.

(3) Anticipated results compared to costs:

Unchanged from last PAR.

(4) The continued relevance, importance and significance of the project:

Unchanged from previous PAR, except that the final contribution date has been extended to FY-74

The RIG has requested that the full team complement be retained for two additional years with a reduction to two members for a third year. This additional technical support to the hatcheries is deemed necessary to raise the RIG fisheries technicians to the level of competence necessary for normal hatchery operations.

Administrative advisory assistance and participant training assistance will be continued by the Agriculture Extension Project upon the termination of this project.

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## PART I-B - PROJECT EFFECTIVENESS

## 009 I-B-1 - OUTPUT REPORT AND FORECAST - (See detailed instructions)

1. CODE NO. AID/W USE ONLY	2. This section is designed to record progress toward the achievement of each project output target which was scheduled in the PIP, Part II. Where progress toward a target is significantly greater or less than scheduled, describe reason(s) beneath the target.	3. ACTUAL AND PLANNED OUTPUTS (ALL DATA CUMULATIVE)				6. PROJECTED TOTAL FOR PROJECT LIFE
		3 ACTUAL CUM. TO DATE	4. AS OF PRIOR JUNE 30		5 PLANNED BY NEXT JUNE 30	
			a. PLANNED	b. ACTUAL		
	<p>1. Fingerling production</p> <ul style="list-style-type: none"> <li>- Nong Teng Fish Culture Station</li> <li>- Pakse Fish Culture Station</li> <li>- Luang Prabang Fish Culture Station</li> </ul> <p>(Production is less than planned due to predators)</p>	345,122 383,800 427,209	406,000 611,000 215,000	152,930 267,800 226,050	850,000 850,000 370,000	1,300,000/year 1,000,000/year 500,000/year
	<p>2. Market fish production</p> <ul style="list-style-type: none"> <li>- Nong Teng Fish Culture Station</li> <li>- Pakse Fish Culture Station</li> <li>- Luang Prabang Fish Culture Station</li> </ul> <p>(Less than planned due to predators and to feed problem - see item 088 on page 8)</p>	0.2 MT 0.6 MT 0.1 MT	5 MT 10 MT 0	0 0.4 MT 0.1 MT	10 MT 15 MT 0	35 MT/year 30 MT/year 4 MT/year
	<p>3. Completion of fish culture station construction (Additional construction approved - see first paragraph on page 1 A)</p>	85%	85%	85%	100%	100%
	4. Number E.S. graduates	0	0	0	0	10
	5. Number of short term training graduates	15	16	10	21	40
	6. Fingerling production (commercial production) (Good estimates not available - probably less than 2,000,000 per annum)					
	7. Cultured fish consumed including culturalists' own consumption and those marketed (estimated).	480 MT	375 MT	200 MT	600 MT	900 MT/year

## PART I-B - Continued

010

## B.2 - OVERALL ACHIEVEMENT OF PROJECT TARGETS

Place an "X" within the bracket on the following seven-point scale that represents your judgment of the overall progress towards project targets:



## PART I-C - PROJECT SIGNIFICANCE

011

## C.1 - RELATION TO SECTOR AND PROGRAM GOALS (See detailed instructions M.O. 1026.1)

This section is designed to indicate the potential and actual impact of the project on relevant sector and program goals. List the goals in col. b and rate potential and actual project impact in cols. c and d.

a. CODE NO. (AID/W USE ONLY)	SCALE FOR COLUMN c: 3= Very Important; 2= Important; 1= Secondary Importance  SCALE FOR COLUMN d: 3= Superior/Outstanding; 2= Adequate/Satisfactory/Good; 1= Unsatisfactory/Marginal	c. POTENTIAL IMPACT ON EACH GOAL IF PROJECT ACHIEVES TARGETS	d. ACTUAL IMPACT ON GOAL TO DATE RELATIVE TO PROGRESS EXPECTED AT THIS STAGE
b.	SECTOR AND PROGRAM GOALS (LIST ONLY THOSE ON WHICH THE PROJECT HAS A SIGNIFICANT EFFECT)		
	(1) To develop a self-sufficient RIG Fisheries Service capable of providing sufficient fingerlings for Lao fish production requirements and advice through the Agriculture Extension Service to those interested in fish culture.	3	2
	(2) To strengthen the domestic Lao economy and also to save foreign exchange through increased fish production.	3	2
	(3) To improve the RIG image with the people by improving their economic lot and their health through increased fish production and consumption.	2	2
	(4)		

For goals where column c. is rated 3 or 2 and column d. is rated 1, explain in the space for narrative. The narrative should also indicate the extent to which the potential impacts rated 3 or 2 in column c. are dependent on factors external to the achievement of the project targets, i.e., is there a substantial risk of the anticipated impact being forestalled by factors not involved in the achievement of project targets. If possible and relevant, it also would be useful to mention in the narrative your reading of any current indicators that longer-term purposes, beyond scheduled project targets, are likely or unlikely to be achieved. Each explanatory note must be identified by the number of the entry (col. b) to which it pertains.

012 NARRATIVE FOR PART I-C.1 (Continue on form AID 1020-25 I):

Narrative in previous PAR applies with following addition:

(1) Complete self-sufficiency, that is, technical and managerial self-sufficiency as well as financial self-sufficiency, will be difficult for the RIG Fisheries Service to attain in the foreseeable future, let alone by the estimated final contribution date of FY74. The expenses of some hatchery operations may be met through the sale of fingerlings and market fish but it is doubtful that the Fisheries Service then will be financially self-sufficient or require no further advisory assistance. Our target is a RIG Fisheries Service that by FY74 will be able to adequately service Lao fish culturists with the aid of the RIG Extension Service and with a minimum of outside assistance.

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These questions concern developments since the prior PAR. For each question place "Y" for Yes, "N" for No, or "NA" for Not Applicable in the right hand column. For each question where "Y" is entered, explain briefly in the space below the table.	MARK IN THIS COL.
013 Have there been any significant, unusual or unanticipated results not covered so far in this PAR?	N
014 Have means, conditions or activities other than project measures had a substantial effect on project output or accomplishments?	Y
015 Have any problems arisen as the result of advice or action or major contributions to the project by another donor?	N
016 If the answer to 014 or 015 is yes, or for any other reason, is the project now less necessary, unnecessary or subject to modification or earlier termination?	N
017 Have any important lessons, positive or negative, emerged which might have broad applicability?	Y
018 Has this project revealed any requirement for research or new technical aids on which AID/W should take the initiative?	Y
019 Do any aspects of the project lend themselves to publicity in newspapers, magazines, television or films in the United States?	Y
020 Has there been a lack of effective cooperating country media coverage? (Make sure AID/W has copies of existing coverage.)	N
021 <u>NARRATIVE FOR PART I-C.2</u> Identify each explanatory note by the number of the entry to which it pertains. (Continue on form AID 1020-25 I as necessary):	

Unchanged from previous PAR

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## PART II - IMPLEMENTATION REPORT

## II-A - STATUS OF SCHEDULE

022 A-1 - INDIVIDUAL ACTIONS (See detailed instructions M.O. 1026.1). This is a listing of major actions or steps which were scheduled for physical start or continuing implementation in the reporting period as reflected in the Project implementation Plan, Part I.

(a) PIP ITEM NO.	MAJOR ACTIONS OR STEPS; CAUSES AND RESULTS OF DELAYS; REMEDIAL STEPS	(b) STATUS - PLACE AN "X" IN, ONE COLUMN		
		(1) BEHIND SCHEDULE	(2) ON SCHEDULE	(3) AHEAD OF SCHEDULE
1	Negotiation and signing renewal of contract with United States Consultants, Inc.		Completed	
2	Completion of rehabilitation of 3 hatcheries. (Due to security and inability to utilize heavy equipment.)	X		
3	Completion of on-the-job training of Lao station personnel. (Delay in staffing by RIG - especially Pakse and Nong Teng we expect additional personnel very soon as RIG is now recruiting.)	X		
4	Predator control program. (Problem is greater than anticipated. Work continuing but progress is slow.)	X		
5	Completion of fish food program.		X	
6	Work on production of common carp fingerling for distribution.		X	
7	Work on experimental methods of production of various species of fish suitable for pond culture in Laos.		X	
8	Popularization of pond fish culture		X	
9	Selecting and processing of participants (short course 12 weeks) (20 participants over 4 years period).		X	
10	Selecting and processing of participants (short course 8 weeks) (40 participants over 2 years period).		X	
11	Selecting and processing of participants B. Sc. 2 participants each year for 5 years total of 10.		X	
12	Authorization to increase RIG fisheries staff.	X		

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PART II - Continued

023

II-A.2 - OVERALL TIMELINESS

In general, project implementation is (place an "X" in one block):

BLOCK (c): If marked, place an "X" in any of the blocks one thru eight that apply. This is limited to key aspects of implementation, e.g., timely delivery of commodities, return of participants to assume their project responsibilities, cooperating country funding, arrival of technicians.

(a) On schedule	
(b) Ahead of schedule	
(c) Behind schedule	(fingerling production)
(1) AID/W Program Approval	
(2) Implementing Agency (Contractor/Participating Agency/Voluntary Agency)	
(3) Technicians	
(4) Participants	
(5) Commodities (non-FFF)	
(6) Cooperating Country	
(7) Commodities (FFF)	
(8) Other (specify):	Predator and fry feeding problems

II-B - RESOURCE INPUTS

This section appraises the effectiveness of U. S. resource inputs. There follow illustrative lists of factors, grouped under Implementing Agency, Participant Training and Commodities, that might influence the effectiveness of each of these types of project resources. In the blocks after only those factors which significantly affect project accomplishments, write the letter P if effect is positive or satisfactory, or the letter N if effect is negative or less than satisfactory.

1. FACTORS-IMPLEMENTING AGENCY (Contract/Participating Agency/Voluntary Agency)

024 IF NO IMPLEMENTING AGENCY IN THIS PROJECT. PLACE AN "X" IN THIS BLOCK:		032 Quality, comprehensiveness and candor of required reports	
		033 Promptness of required reports	
025 Adequacy of technical knowledge		P034 Adherence to work schedule	
026 Understanding of project purposes		035 Working relations with Americans	
027 Project planning and management		P036 Working relations with cooperating country nationals	P
028 Ability to adapt technical knowledge to local situation		P037 Adaptation to local working and living environment	P
029 Effective use of participant training element		P038 Home office backstopping and substantive interest	P
030 Ability to train and utilize local staff		039 Timely recruiting of qualified technicians	
031 Adherence to AID administrative and other requirements		040 Other (describe):	

2. FACTORS-PARTICIPANT TRAINING

041 IF NO PARTICIPANT ELEMENT IN PROJECT. PLACE AN "X" IN THIS BLOCK:		TRAINING UTILIZATION AND FOLLOW UP	P
		052 Appropriateness of original selection	
PREDEPARTURE			
042 English language ability		053 Relevance of training for present project purposes	
043 Availability of host country funding		054 Appropriateness of post-training placement	
044 Host country operational considerations (e.g., selection procedures)		055 Utility of training regardless of changes in project	P
045 Technical/professional qualifications	N	056 Ability to get meritorious ideas accepted by supervisors	
046 Quality of technical orientation		057 Adequacy of performance	
047 Quality of general orientation		058 Continuance on project	P
048 Participants' collaboration in planning content of program		059 Availability of necessary facilities and equipment	P
049 Collaboration by participants' supervisors in planning training		060 Mission or contractor follow-up activity	P
050 Participants' availability for training	N	061 Other (describe):	
051 Other (describe):			

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## PART II-B - Continued

## 3. FACTORS-COMMODITIES

PLACE AN "X" IN APPROPRIATE BLOCK:	062 FFF	063 NON-FFF	X	064 NO COMMODITY ELEMENT		
					072 Control measures against damage and deterioration in shipment.	
065 Timeliness of AID/W program approval (i.e., PIO/C, Transfer Authorization).					073 Control measures against deterioration in storage.	
066 Quality of commodities, adherence to specifications, marking.					074 Readiness and availability of facilities.	
067 Timeliness in procurement or reconditioning.				N	075 Appropriateness of use of commodities.	
068 Timeliness of shipment to port of entry.					076 Maintenance and spares support.	
069 Adequacy of port and inland storage facilities.					077 Adequacy of property records, accounting and controls.	N
070 Timeliness of shipment from port to site.					078 Other (Describe):	
071 Control measures against loss and theft.						

Indicate in a concise narrative statement (under the heading a. Overall Implementation Performance, below) your summary appraisal of the status of project implementation, covering both significant achievements and problem areas. This should include any comments about the adequacy of provision of direct hire technicians as well as an overall appraisal of the comments provided under the three headings (b, c & d) which follow. For projects which include a dollar input for generation of local currency to meet local cost requirements, indicate the status of that input (see Detailed Instructions).

Discuss separately (under separate headings b, c & d) the status of Implementing Agency Actions, Participants and Commodities. Where above listed factors are causing significant problems (marked N), describe briefly in the appropriate narrative section: (1) the cause and source of the problem, (2) the consequences of not correcting it, and (3) what corrective action has been taken, called for, or planned by the Mission. Identify each factor discussed by its number.

079 NARRATIVE FOR PART II-B: (After narrative section a. Overall Implementation Performance, below, follow, on form AID 1020-25 I as needed, with the following narrative section headings: b. Implementing Agency, c. Participants, d. Commodities. List all narrative section headings in order. For any headings which are not applicable, mark them as such and follow immediately below with the next narrative section heading.)

## a. Overall Implementation Performance.

Narrative unchanged from previous PAR, except that the last sentence on page 7 should be changed to read:

"The market fish harvest planned for June 1968 - July 1969 was about 10 MT. However due to delay in construction work and insufficient fingerlings the goal was not achieved. It is planned that in FY-70 about 25 MT of market fish will be produced."

b. Implementing Agency. No change except for recommended contract extension (see 008 on page 1 A).

c. Participants. No change

d. Commodities. No change

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## PART III - ROLE OF THE COOPERATING COUNTRY

The following list of illustrative items are to be considered by the evaluator. In the block after only those items which significantly affect project effectiveness, write the letter P if the effect of the item is positive or satisfactory, or the letter N if the effect of the item is negative or less than satisfactory.

## SPECIFIC OPERATIONAL FACTORS:

080 Coordination and cooperation within and between ministries.	P
081 Coordination and cooperation of LDC gov't. with public and private institutions and private enterprise.	P
082 Availability of reliable data for project planning, control and evaluation.	N
083 Competence and/or continuity in executive leadership of project.	
084 Host country project funding.	
085 Legislative changes relevant to project purposes.	
086 Existence and adequacy of a project-related LDC organization.	N
087 Resolution of procedural and bureaucratic problems.	
088 Availability of LDC physical resource inputs and/or supporting services and facilities.	
089 Maintenance of facilities and equipment.	N
090 Resolution of tribal, class or caste problems.	N
091 Receptivity to change and innovation.	N
092 Political conditions specific to project.	
093 Capacity to transform ideas into actions, i.e., ability to implement project plans.	
094 Intent and/or capacity to sustain and expand the impact of the project after U.S. inputs are terminated.	
095 Extent of LDC efforts to widen the dissemination of project benefits and services.	
096 Utilization of trained manpower (e.g., participants, counterpart technicians) in project operations.	
097 Enforcement of relevant procedures (e.g., newly established tax collection and audit system).	
098 Other:	N
HOST COUNTRY COUNTERPART TECHNICIAN FACTORS:	
099 Level of technical education and/or technical experience.	N
100 Planning and management skills.	N
101 Amount of technician man years available.	P
102 Continuity of staff.	P
103 Willingness to work in rural areas.	
104 Pay and allowances.	
105 Other:	

In the space below for narrative provide a succinct discussion and overall appraisal of the quality of country performance related to this project, particularly over the past year. Consider important trends and prospects. See Detailed Instructions for an illustrative list of considerations to be covered.

For only those items marked N include brief statements covering the nature of the problem, its impact on the achievement of project targets (i.e., its importance) and the nature and cost of corrective action taken or planned. Identify each explanatory note.

106 NARRATIVE FOR PART III (Continue on form AID 1020-25 I):

No change from previous PAR except for following addition:

- 088 - RIG was reluctant to purchase fish feed (such as rice bran, broken rice, chicken egg, etc.) and fertilizer (such as horse manure, chicken manure, etc.). However, in the First Lao National Fisheries Meeting, after discussion, the Director of Forest and Water issued orders to purchase these items and gave implicit instructions to his staff to do so hereafter to the limit of funds available.
- 097 - It is the practice in Laos to barter for services and favors among government services and one of the items used for bartering has been the fingerlings produced at the fisheries stations. The Project Agreement provided for the fingerlings to be sold and therefore this practice of bartering or giving of fingerlings is being discouraged. However as this has been the normal practice for such a long time it is difficult to correct, and from a cultural point of view, maybe not desirable. Given time and patience, it may be redirected.

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## PART IV - PROGRAMMING IMPLICATIONS

## IV-A - EFFECT ON PURPOSE AND DESIGN

Indicate in a brief narrative whether the Mission experience to date with this project and/or changing country circumstances call for some adjustment in project purposes or design, and why, and the approximate cost implications. Cover any of the following considerations or others that may be relevant. (See Detailed Instructions for additional illustrative considerations.) Relevant experience or country situations that were described earlier can simply be referenced. The spelling out of specific changes should be left to the appropriate programming documents, but a brief indication of the type of change contemplated should be given here to clarify the need for change. For example, changes might be indicated if they would:

1. better achieve program/project purposes;
2. address more critical or higher priority purposes within a goal plan;
3. produce desired results at less cost;
4. give more assurance of lasting institutional development upon U.S. withdrawal.

107 NARRATIVE FOR PART IV-A (Continue on form AID 1020-25 I):

See previous PAR

Experience to date indicates that adjustments in the projects' purposes or design is not required.

## IV-B - PROPOSED ACTION

108 This project should be (Place an "X" in appropriate block(s)):

1. Continued as presently scheduled in PIP.	
2. Continued with minor changes in the PIP, made at Mission level (not requiring submission of an amended PIP to AID/W).	
3. Continued with significant changes in the PIP (but not sufficient to require a revised PROP). A formally revised PIP will follow.	X
4. Extended beyond its present schedule to (Date): Mo. ___ Day ___ Yr. 74 Explain in narrative, PROP will follow.	
5. Substantively revised. PROP will follow.	
6. Evaluated in depth to determine its effectiveness, future scope, and duration.	
7. Discontinued earlier than presently scheduled. Date recommended for termination: Mo. ___ Day ___ Yr. ___	
8. Other. Explain in narrative.	

109 NARRATIVE FOR PART IV-B:

A revised PROP will be written to justify the extension in present schedule.

See 008 (4) on page 1 A.

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## SUMMARY OF PROJECT APPRAISAL REPORT

Country - Laos

Project - Agriculture Development - Fisheries

Project Number - 439-11-190-065.6

Date of PAR - 10/1/69 (Second PAR)

U.S. Obligation Span - FY 1966-FY 1974

U.S. Obligations - Through FY 1969, \$395,000; FY 1970, \$127,000

Progress (since previous PAR dated 11/30/68)

1. Three participants completed a 3 month training course in Thailand. Two trainees are in Japan attending a 6 month fish culture course under sponsorship of the Colombo Plan.
2. Station facilities are nearly completed. (P 1A)
3. Accumulated fingerling production at the three culture stations increased from 594,000 in the previous PAR to 1,156,000. (P 2)
4. RLG was reluctant to purchase fish feed (such as rice bran, broken rice, chicken egg, etc.) and fertilizer (such as horse manure, chicken manure, etc.). However, in the First Lao National Fisheries Meeting, after discussion, the Director of Forest and Water issued orders to purchase these items and gave implicit instructions to his staff to do so hereafter to the limit of funds available. (P 8)

Problems

1. Technical and managerial self-sufficient as well as financial self-sufficiency, will be difficult for the RLG fisheries Service to attain in the foreseeable future, let alone by the estimated final contribution date of FY 1974. The expenses of some hatchery operations may be met through the sale of fingerlings and market fish but it is doubtful that the Fisheries Service then will be financially self-sufficient or require no further advisory assistance. Our target is a RLG Fisheries Service that by FY 1974 will be able to adequately service Lao fish culturists with the aid of the RLG Extension Service and with a minimum of outside assistance. (P 3)
2. Predators have presented a problem. (P 2)

Lessons Learned

1. It is the practice in Laos to barter for services and favors among government services and the items used for bartering have been the fingerlings produced at the fisheries stations. The Project Agreement provided for the fingerlings to be sold and therefore this practice of bartering or giving of fingerlings is being discouraged. However, as this has been the normal practice for such a long time, it is difficult to correct, and from a cultural point of view, maybe not desirable. Given time and patience, it may be redirected.

AID/W Follow-up

None. To be handled by the Mission.