

4920234  
PO-ADD-504-01

PROJECT APPRAISAL REPORT (PAR)

PAGE 1

|   |  |                                  |                                     |
|---|--|----------------------------------|-------------------------------------|
| 1. PROJECT NO.<br><b>492-11-180-234</b> | 2. PAR FOR PERIOD:<br><b>Project TO <del>XX</del> Completion</b> | 3. COUNTRY<br><b>Philippines</b> | 4. PAR SERIAL NO.<br><b>75-2 4p</b> |
|---|--|----------------------------------|-------------------------------------|

5. PROJECT TITLE

**Inland Fisheries**

|   |   |                                |                               |
|---|---|--------------------------------|-------------------------------|
| 6. PROJECT DURATION: Began FY <b>71</b> Ends FY <b>74</b> | 7. DATE LATEST PROP<br><b>Sept. 1, 1970</b> | 8. DATE LATEST PIP<br><b>-</b> | 9. DATE PRIOR PAR<br><b>-</b> |
|---|---|--------------------------------|-------------------------------|

|                  |  |  |  |
|------------------|--|--|--|
| 10. U.S. FUNDING | a. Cumulative Obligation Thru Prior FY: \$ <b>616,000 1/</b> | b. Current FY Estimated Budget: \$ <b>None</b> | c. Estimated Budget to completion After Current FY: \$ <b>NA</b> |
|------------------|--|--|--|

11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)

| a. NAME                  | b. CONTRACT, PASA OR VOL. AG. NO. |
|--------------------------|-----------------------------------|
| <b>Auburn University</b> | <b>AID/ea-180 (Philippines)</b>   |

I. NEW ACTIONS PROPOSED AND REQUESTED AS A RESULT OF THIS EVALUATION

| A. ACTION (X) |       |      | B. LIST OF ACTIONS | C. PROPOSED ACTION COMPLETION DATE |
|---------------|-------|------|--------------------|------------------------------------|
| USAID         | AID/W | HOST |                    |                                    |

No actions are required under the now terminated Inland Fisheries Project. Aquaculture research and extension objectives which are important to realizing the full potential of inland fisheries in the Philippines will be pursued under the successor Aquaculture Production Project which begins in FY 1975. These research and extension objectives are spelled out in detail in the Aquaculture Production PROP.

1/ \$70,000 of this was obligated in FY74 under the Agriculture Services project 492-51-190-126.

|  |  |  |
|--|--|--|
| D. REPLANNING REQUIRES   | <input type="checkbox"/> REVISED OR NEW: <input type="checkbox"/> PROP <input type="checkbox"/> PIP <input type="checkbox"/> PRO AG <input type="checkbox"/> PIO/T <input type="checkbox"/> PIO/C <input type="checkbox"/> PIO/P | E. DATE OF MISSION REVIEW<br><b>January 3, 1975</b>                                |
| PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE<br><i>[Signature]</i> 1/74 |  | MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE<br><b>Thomas C. Niblock</b> |

Program Officer

|                                   |                               |  |                        |                        |
|-----------------------------------|-------------------------------|--|------------------------|------------------------|
| AID 1020-25 (10-70)<br>PAGE 2 PAR | PROJECT NO.<br>492-11-180-234 | PAR FOR PERIOD:<br>TO Project Completion | COUNTRY<br>Philippines | PAR SERIAL NO.<br>75-2 |
|-----------------------------------|-------------------------------|--|------------------------|------------------------|

**II. PERFORMANCE OF KEY INPUTS AND ACTION AGENTS**

| A. INPUT OR ACTION AGENT<br>CONTRACTOR, PARTICIPATING AGENCY OR VOLUNTARY AGENCY | B. PERFORMANCE AGAINST PLAN |   |              |   |   |             |   | C. IMPORTANCE FOR ACHIEVING PROJECT PURPOSE (X) |   |        |   |      |   |
|--|-----------------------------|---|--------------|---|---|-------------|---|---|---|--------|---|------|---|
|  | UNSATISFACTORY              |   | SATISFACTORY |   |   | OUTSTANDING |   | LOW   |   | MEDIUM |   | HIGH |   |
|  | 1                           | 2 | 3            | 4 | 5 | 6           | 7 | 1   | 2 | 3      | 4 | 5    |   |
| 1. Auburn University   |                             |   |              |   |   | X           |   |   |   |        |   |      | X |
| 2.   |                             |   |              |   |   |             |   |   |   |        |   |      |   |
| 3.   |                             |   |              |   |   |             |   |   |   |        |   |      |   |

Comment on key factors determining rating

Contractor has employed highly qualified people who have performed at a very high level. The fishery research program is developing rapidly under the guidance of the team leader.

|                         |  |  |  |  |   |  |  |  |  |  |  |  |  |   |
|-------------------------|--|--|--|--|---|--|--|--|--|--|--|--|--|---|
| 4. PARTICIPANT TRAINING |  |  |  |  | X |  |  |  |  |  |  |  |  | X |
|-------------------------|--|--|--|--|---|--|--|--|--|--|--|--|--|---|

Comment on key factors determining rating

Twelve participants were scheduled for graduate training, and all have or are receiving it. Their performance is good to outstanding. Although degrees were not specified for the participants, all will achieve a Masters degree and six will probably receive PhDs (3 already have PhDs and 3 more are working on them).

|                |  |  |   |  |  |  |  |  |  |  |   |  |  |  |
|----------------|--|--|---|--|--|--|--|--|--|--|---|--|--|--|
| 5. COMMODITIES |  |  | X |  |  |  |  |  |  |  | X |  |  |  |
|----------------|--|--|---|--|--|--|--|--|--|--|---|--|--|--|

Comment on key factors determining rating

There was delay in receiving some commodities, and others were not according to specification or parts were missing. Quality was often not good. The PURA did not always correctly describe items, and some items were worn out or otherwise unserviceable when received.

|                        |              |  |  |  |   |  |  |  |  |  |  |   |  |  |
|------------------------|--------------|--|--|--|---|--|--|--|--|--|--|---|--|--|
| 6. COOPERATING COUNTRY | a. PERSONNEL |  |  |  | X |  |  |  |  |  |  | X |  |  |
|                        | b. OTHER     |  |  |  |   |  |  |  |  |  |  |   |  |  |

Comment on key factors determining rating

Bureau of Fisheries was less than fully cooperative in implementing training programs, providing extension personnel, and generally recognizing the Research Centers' activities and results.

National Science Development Board and University of the Philippines auditors impeded progress by seemingly unnecessarily slow authorizations for release of funds, but administrative and implementing level personnel were very positive in attitude and performance.

Amalgamated Project Management Service was contracted to perform the design and supervisory engineering pond construction at the two Centers. This was not done well which proved costly in terms of time, money, and performance.

|                 |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 7. OTHER DONORS | N/A |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|

(See Next Page for Comments on Other Donors)

|                    |                                      |  |                               |                               |
|--------------------|--------------------------------------|--|-------------------------------|-------------------------------|
| AID 1020-25(10-70) | PROJECT NO.<br><b>492-11-180-234</b> | PAR FOR PERIOD:<br><b>Project Completion</b> | COUNTRY<br><b>Philippines</b> | PAR SERIAL NO.<br><b>75-2</b> |
| PAGE 3 PAR         |                                      |  |                               |                               |

II. 7. Continued: Comment on key factors determining rating of Other Donors

### III. KEY OUTPUT INDICATORS AND TARGETS

| A. QUANTITATIVE INDICATORS<br>FOR MAJOR OUTPUTS             |   | TARGETS (Percentage/Rate/Amount) |            |        |         |         | END OF<br>PROJECT |
|---|---|----------------------------------|------------|--------|---------|---------|-------------------|
|   |   | CUMU-<br>LATIVE<br>PRIOR FY      | CURRENT FY |        | FY ____ | FY ____ |                   |
|   |   |                                  | TO DATE    | TO END |         |         |                   |
| <b>Research projects conducted<br/>and reported on</b>      | PLANNED   |                                  |            |        |         |         |                   |
|   | ACTUAL<br>PERFORM-<br>ANCE  | <b>40</b>                        |            |        |         |         |                   |
|   | REPLANNED   |                                  |            |        |         |         |                   |
| <b>Extension workers and<br/>fishpond operators trained</b> | PLANNED   |                                  |            |        |         |         |                   |
|   | ACTUAL<br>PERFORM-<br>ANCE  | <b>30<sup>1/2</sup></b>          |            |        |         |         |                   |
|   | REPLANNED   |                                  |            |        |         |         |                   |
| <b>Extension leaflets prepared<br/>for publication</b>      | PLANNED   |                                  |            |        |         |         |                   |
|   | ACTUAL<br>PERFORM-<br>ANCE  | <b>7</b>                         |            |        |         |         |                   |
|   | REPLANNED   |                                  |            |        |         |         |                   |
|   | PLANNED   |                                  |            |        |         |         |                   |
|   | ACTUAL<br>PERFORM-<br>ANCE  |                                  |            |        |         |         |                   |
|   | REPLANNED   |                                  |            |        |         |         |                   |
| B. QUALITATIVE INDICATORS<br>FOR MAJOR OUTPUTS              | COMMENT:  |                                  |            |        |         |         |                   |
| <b>1/ Research reports of<br/>publishing quality</b>        | <b>Five research reports have been completed which are<br/>of sufficient quality to be published in international<br/>journals.</b>   |                                  |            |        |         |         |                   |
| <b>2. Graduate training in<br/>fisheries</b>                | COMMENT:<br><b>An outgrowth of this project is the graduate program<br/>in fisheries that was begun this year at the University<br/>of the Philippines.</b>   |                                  |            |        |         |         |                   |
| <b>3/ The training of extension workers</b>                 | COMMENT:<br><b>was suspended after 30 were trained because the<br/>Bureau of Fisheries declined to identify additional candidates for training. The<br/>training of fishpond operators was suspended after seven sessions in March 1972<br/>because of student protests on the UP campus.</b> |                                  |            |        |         |         |                   |

|                     |                |                    |             |             |
|---------------------|----------------|--------------------|-------------|-------------|
| ADB 1020 25 (10 70) | PROJECT NO.    | PAR FOR PERIOD:    | COUNTRY     | PARTIAL NO. |
| PAGE 4 PAR          | 492-11-180-234 | Project Completion | Philippines | 75-2        |

IV. PROJECT PURPOSE

- A. 1. Statement of purpose as currently envisaged. 2. Same as in PROP?  YES  NO  
**Establishment of two viable, effectively operating research and training centers capable of providing the level of expertise necessary to backstop the inland fishing industry.**

|   |  |
|---|--|
| B. 1. Conditions which will exist when above purpose is achieved.   | 2. Evidence to date of progress toward these conditions.   |
| <ol style="list-style-type: none"> <li>1. Two research/training centers in operation.</li> <li>2. Improved quantity/quality of fishery products for domestic consumption.</li> <li>3. Improved parasite and disease control in local fishponds.</li> <li>4. Improved breeding technology and methodology, and hatchery techniques for certain species.</li> <li>5. Export potential developed.</li> </ol> | <ol style="list-style-type: none"> <li>1. A fresh-water and a brackish-water station have been established and a research program is in operation.</li> <li>2. Research has demonstrated potential for increases; results must now be extended and put into practice.</li> <li>3. Fish mortality has been reduced, and more and better controls are being developed.</li> <li>4. Improvements have been demonstrated by research, but milkfish breeding in captivity/still not achieved.</li> <li>5. Fish self-sufficiency is still a long way off, and in general the export potential is low.</li> </ol> |

V. PROGRAMMING GOAL

- A. Statement of Programming Goal  
**Achieve national self-sufficiency in the production of fish, the principal source of animal protein in the Philippines.**

- B. Will the achievement of the project purpose make a significant contribution to the programming goal, given the magnitude of the national problem? Cite evidence.  
**Research undertaken at the centers has demonstrated the potential for substantial increases in the production of fish. The need now is to further test the results of this research and speed its application through extension services. It is also expected that as self-sufficiency is achieved, stable market supply and price will also exist.**