
Bicol Multipurpose Survey (BMS), 1978:
[Philippines]

Codebook for Household Production,
Part V—Livestock/Poultry Raising,
Marine/Inland Fishing, or Fish Pond Farming;
Household Farm Capital

Bicol River Basin Development Program

BICOL MULTIPURPOSE SURVEY (BMS), 1978:
[PHILIPPINES]
(ICPSR 6878)

Codebook for Household Production,
Part V--Livestock/Poultry Raising, Marine/Inland Fishing,
or Fish Pond Farming; Household Farm Capital

Principal Investigator
Bicol River Basin Development Program

First ICPSR Version
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DATA COLLECTION DESCRIPTION

Bicol River Basin Development Program
BICOL MULTIPURPOSE SURVEY (BMS), 1978: [PHILIPPINES]
(ICPSR 6878)

SUMMARY: The Bicol Multipurpose Survey (BMS) was designed to assess the impact of the Bicol River Basin Development Project (BRBDP) on one of the poorest regions in the Philippines. Using data collected from both semi-urban and rural areas of the Bicol Region, the BMS sought to examine the impact not only of the various development projects of the BRBDP such as irrigation, electricity, and road repair, but also the economic, social, and health issues faced by the residents of the Bicol Region. The survey gathered data for 17 project areas and 3 cities in the provinces of Albay, Camarines Sur, and Sorsogon. Household-level information (Part 1) covers household characteristics, physical environment, income and expenditures, distance from schools, and respondents' feelings about household conditions and the progress of the barangay in which they lived (a barangay is a political subdivision equivalent to a village in rural areas and to a neighborhood in urban areas). Information on topics such as attitudes about foods during pregnancy, infant and child care, prenatal care, community involvement, and work history are contained in a separate Mothers Data file (Part 2). The individual-level data (Parts 3-5) contain demographic information such as age, sex, and education, and include time spent on household and occupational tasks. Information was collected from persons as young as 6 years of age, but was coded for individuals 15 years and older for tasks such as selling, food preparation, farm work, raising livestock and poultry, and the type and amount of fishing. Morbidity data from over 17,000 individuals are also included. The Household Production files (Parts 6-11) cover agriculture and business, crop production, rice farming, raising livestock and poultry, type of fishing done, and quantity of fish caught. Also included are income figures, assets, and liabilities. The Barangay Survey (Part 12) examines the physical aspects of the barangay and the use of social services in the area to determine the impact of the BRBDP and outside influences. The barangay captain or official records provided information on the physical characteristics, community services, medical services, social services, sanitation, and educational systems available within the barangay. The Extension Workers Survey (Part 13) asked 324 workers about their knowledge and activities regarding agricultural practices such as fertilizer use, pest and disease control, and other aspects of planting and transplanting. Through the Medical Practitioners Survey (Part 14), 426 practitioners were asked questions on their education and training,

general health knowledge and experience, and knowledge and attitudes about birth control.

UNIVERSE: All farm and nonfarm households residing in 17 IDAs (Integrated Development Areas) and 3 cities of the Bicol Region, Philippines.

SAMPLING: Multistage, stratified random sample of approximately 1,900 households containing more than 17,000 individuals residing in both semi-urban and rural areas. A household was defined as a dwelling where one or more families prepare food in common.

NOTE: (1) The logical record length data and SPSS and SAS data definition statements were extracted from SAS transport files. (2) Data collected in 1978, 1983 (ICPSR 6889), and 1994 (ICPSR 6890) can be used individually or merged together on a unique household identifier found in Part 15 (with the exception of the Medical Practitioners and Extension Workers data). Data for 1978, 1983, and 1994 can be merged with data for 1981 (ICPSR 6888) at the community level only. (3) Users should note that barangay codes have been scrambled and documentation has been modified in order to preserve respondent confidentiality.

EXTENT OF COLLECTION: 15 data files + machine-readable documentation (PDF) + SAS data definition statements + SPSS data definition statements + data collection instrument

EXTENT OF PROCESSING: DDEF.ICPSR/ REFORM.DATA/ REFORM.DOC/ MDATA.PR/ UNDOCCHK.PR

DATA FORMAT: Logical Record Length with SAS and SPSS data definition statements

Parts 1-5: Household Member
Data
File Structure: rectangular
Cases: 1,903 to 17,318 per part
Variables: 29 to 338 per part
Record Length: 113 to 1,176
per part
Records Per Case: 1

Parts 6-11: Household
Production Data
File Structure: rectangular
Cases: 1,903
Variables: 149 to 352 per
part
Record Length: 496 to 1,382
Records Per Case: 1

Part 12: Barangay Survey Data
File Structure: rectangular
Cases: 100
Variables: 328
Record Length: 1,161
Records Per Case: 1

Part 13: Extension Workers
Survey Data
File Structure: rectangular
Cases: 364
Variables: 58
Record Length: 131
Records Per Case: 1

Part 14: Medical Practitioners
Survey
File Structure: rectangular
Cases: 426
Variables: 179
Record Length: 390
Records Per Case: 1

Part 15: Data for Matching
1978 With 1983 and/or 1994
Data
File Structure: rectangular
Cases: 1,903
Variables: 5
Record Length: 16
Records Per Case: 1

RELATED PUBLICATIONS:

Popkin, Barry M. "The Demand for Primary Health Care Services in the Bicol Region of the Philippines." ECONOMIC DEVELOPMENT AND CULTURAL CHANGE 34 (4, 1986), 755-782.

Popkin, Barry M. "The Demand for Adult Outpatient Services in the Bicol Region of the Philippines." SOCIAL SCIENCE AND MEDICINE 22 (3, 1986) 321-328.

Griffin, Charles C., Barry M. Popkin, and Deborah S. Spicer. "Infant Formula Promotion and Infant Feeding Practices, Bicol Region, Philippines." AMERICAN JOURNAL OF PUBLIC HEALTH 74 (September 1984), 992-997

BICOL MULTIPURPOSE SURVEY 1978

HOUSEHOLD PRODUCTION FILES VARIABLE DEFINITIONS PART V (Households engaged in livestock/poultry raising; marine/inland fishing or fish pond farming; household farm capital)

Variable Values Description

BMSID3E		Household's identification number (col. 1 province; col. 2-3 IADNO; col. 4 barangay; col. 5-6 household number in barangay)
PROVINCE		Province
	1	Camarines Sur
	2	Albay
	3	Sorsogon
IADNO		IAD number
	10	I
	20	II
	21	II-A
	22	II-B
	30	III
	41	IV-A
	42	IV-B
	51	V-A
	52	V-B
	61	VI-A
	62	VI-B
	71	VII-A
	72	VII-B
	80	VIII
	90	IX
		City
	01	Naga City
	02	Iriga City
	03	Legazpi City
BARANGAY		Barangay (differs by IAD or city) See codes in Annex A
HHNOBRGY		Household number within barangay See Annex A for number of households in each barangay

Variable	Values	Description
VLPENDO		Total value of livestock/poultry: ending - owned (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no livestock/poultry owned)
VLPSOLDO		Total value of livestock/poultry sold - owned (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no livestock/poultry owned)
VLPCONO		Total value of livestock/poultry consumed - owned (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no livestock/poultry owned)
VLPLOSTO		Total value of livestock/poultry lost/given away - owned (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no livestock/poultry owned)
VLPBORNO		Total value of livestock/poultry born/hatched - owned (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no livestock/poultry owned)
VLPBGHTO		Total value of livestock/poultry bought - owned (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no livestock/poultry owned)
VLPBEGO		Total value of livestock/poultry: beginning - owned (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no livestock/poultry owned)
VLPENDR		Total value of livestock/poultry: ending - raised for others (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no livestock/poultry raised for others)

Variable Values Description

VLPSOLDR		Total value of livestock/poultry sold - raised for others (pesos)
0		None
88888		DK/NA
99999		NAP (no livestock/poultry raised for others)
VLPCONR		Total value of livestock/poultry consumed - raised for others (pesos)
0		None
88888		DK/NA
99999		NAP (no livestock/poultry raised for others)
VLPLOSTR		Total value of livestock/poultry lost/given Away - raised for others (pesos)
0		None
88888		DK/NA
99999		NAP (no livestock/poultry raised for others)
VLPBORNR		Total value of livestock/poultry born/hatched - raised for others (pesos)
0		None
88888		DK/NA
99999		NAP (no livestock/poultry raised for others)
VLPBGHTR		Total value of livestock/poultry bought - raised for others (pesos)
0		None
88888		DK/NA
99999		NAP (no livestock/poultry raised for others)
VLPBEGR		Total value of livestock/poultry: beginning - raised for others (pesos)
0		None
88888		DK/NA
99999		NAP (no livestock/poultry raised for others)
NCARABOW		Number of carabaos owned
0		None
8		DK/NA
NPIGOW		Number of pigs owned
0		None
88		DK/NA
NCHICKOW		Number of chickens owned
0		None
888		DK/NA

Variable	Values	Description
NDUCKOW		Number of ducks owned
	0	None
	888	DK/NA
NMILKLV		Number of milk-producing livestock owned
	0	None
	8	DK/NA
AQTYMILK		Average quantity of milk produced per week (liters)
	888	DK/NA
	999	NAP (no milk-producing livestock)
VMILKSLD		Value of milk sold per week (pesos)
	888	DK/NA
	999	NAP (no milk sold/no milk-producing livestock)
VMILKCON		Values of milk consumed/given away (pesos)
	888	DK/NA
	999	NAP (no milk-producing livestock/no milk consumed/given away)
NEGGFOWL		Number of egg-producing fowl
	888	DK/NA
	999	NAP (no egg-producing fowl)
AVEGGPRO		Average number of eggs produced per week
	8888	DK/NA
	9999	NAP (no egg-producing fowl)
AVEGGSLD		Average number of eggs sold per week
	8888	DK/NA
	9999	NAP (no egg-producing fowl)
VEGGSLD		Value of eggs sold per week (pesos)
	8888	DK/NA
	9999	NAP (no eggs sold/no egg-producing fowl)
AVEGGCON		Average number of eggs consumed/given away per week
	0	None
	888	DK/NA
	999	NAP (no egg-producing fowl)
VEGGCON		Value of eggs consumed/given away per week (pesos)
	888	DK/NA
	999	NAP (no eggs consumed/given away/no egg-producing fowl)

Variable Values Description

MPDAVEGG		Molting period: average number of eggs produced per week
	0	None
	888	DK/NA
	999	NAP (no egg-producing fowl)
HLCCASH		Hired labor cost past 12 months - livestock/poultry raising: cash (pesos)
	0	No cash expenses
	8888	DK/NA
	9999	NAP (no hired labor)
HLCKIND		Hired labor cost past 12 months - livestock/poultry raising: in kind (pesos equivalent)
	0	No payment in kind
	8888	DK/NA
	9999	NAP (no hired labor)
VALFEED		Total value of feeds and other materials used past 12 months (pesos)
	0	None
	88888	DK/NA
COSTMED		Cost of medicines and veterinary services past 12 months (pesos)
	0	None
	8888	DK/NA
COSTBOAR		Cost of boar services/artificial insemination past 12 months (pesos)
	0	None
	8888	DK/NA
	9999	NAP (no pig raised)
PURKITLO		Whether R purchased kitchen left-overs
	1	Yes
	2	No
	8	DK/NA
	9	NAP (no pig raised)
VALKITLO		Value of kitchen left-overs bought in a normal week (pesos)
	888	DK/NA
	999	NAP (never purchased kitchen left-overs/no pig raised)

Variable Values Description

TYPEFISH		Type of fishing engaged in
	1	Marine
	2	Inland
	3	Marine/inland
	8	DK/NA
SGCATCH1		System/gear of fish catching used (first mention)
	1	Kaladkad (trawl/baby trawl)
	2	Pangulong (purse seine)
	3	Kabyaw (round-haul seine)
	4	Kalansisi (ring-net)
	5	Basnig/sapra/bukatot (bag net)
	6	Sinsuro (beach net)
	7	Pangke/pukot/pahanger/palutang (gill net)
	8	Permanent bamboo corral/trap (e.g., sagkad, baklad)
	9	Small bamboo corral/trap (e.g., siid, kilo-kilo, salakad, tambong)
	10	Hand net (e.g., sapyaw, sikpaw, silo, laya)
	11	Kurikan/troll (moving line, with multiple hooks)
	12	Kitang/kutay/kunay (stationary line with multiple hooks)
	13	Pulitana (line with double hooks)
	14	Ta-an/pasipal (line with single hook)
	15	Sarapang (multi-pronged harpoon)
	16	Pana (spear gun)
	17	Largarate
	77	Others
	88	DK/NA
SGCATCH2		System/gear of fish catching used (second mention)
		Values same as for SGCATCH1 (with one addition)
	0	No second mention
SGCATCH3		System/gear of fish catching used (third mention)
		Values same as for SGCATCH1 (with one addition)
	0	No third mention
NBOAT		Number of boats used
	8	DK/NA
	9	NAP (no boat used)

Variable	Values	Description
LBOAT1	7.7	Length (first-mentioned boat) (meters) More than 10 meters
	8.8	DK/NA
BMBOAT1	7.7	Beam measurement (first-mentioned boat) (meters) More than 10 meters
	8.8	DK/NA
MPBOAT1	1	Motive power used (first-mentioned boat) Motor
	2	Sail
	3	Paddle
	8	DK/NA
GTBOAT1	0	Gross tonnage (first-mentioned boat) Less than 50 kilos
	888	DK/NA
RSBOAT1	0	R's status (first-mentioned boat) None
	1	Boat owner, non-operator
	2	Boat owner, operator
	3	Renting/leasing operator
	4	Hired hand, crew pilot
	5	Hired hand, crew member
	6	Borrower
	7	Others
8	DK/NA	
LBOAT2		Length (second-mentioned boat) (meters) Values same as for LBOAT1 (with one addition)
	0	No second mention
BMBOAT2		Beam measurement (second-mentioned boat) (meters) Values same as for BMBOAT1 (with one addition)
	0	No second mention
MPBOAT2		Motive power used (second-mentioned boat) Values same as for MPBOAT1 (with one addition)
	0	No second mention
GTBOAT2		Gross tonnage (second-mentioned boat) Values same as for GTBOAT1 (with one addition)
	0	No second mention

Variable	Values	Description
RSBOAT2		R's status (second-mentioned boat) Values same as for RSBOAT1 (with one addition)
	0	No second mention
LBOAT3		Length (third-mentioned boat) (meters) Values same as for LBOAT1 (with one addition)
	0	No third mention
BMBOAT3		Beam measurement (third-mentioned boat) (meters) Values same as for BMBOAT1 (with one addition)
	0	No third mention
MPBOAT3		Motive power used (third-mentioned boat) Values same as for MPBOAT1 (with one addition)
	0	No third mention
GTBOAT3		Gross tonnage (third-mentioned boat) Values same as for GTBOAT1 (with one addition)
	0	No third mention
RSBOAT3		R's status (third-mentioned boat) Values same as for RSBOAT1 (with one addition)
	0	No third mention
NFTRIP	888	Total number of fishing trips per month DK/NA
HFTRIP	888	Average hours per fishing trip DK/NA
NCREWMEM	0 888	Total number of crew members None DK/NA
RENLEASR	0 8888 9999	Rent or lease paid to R for all boats (pesos) None DK/NA NAP (R is not a boat owner)

Variable Values Description

PDPAYR		Time period covered by payment to R
	1	Per fishing trip
	2	Per month
	3	Per week
	7	Others
	8	DK/NA
	9	NAP (R is not a boat owner/no rent/lease)
RENSHARR		Whether rent or lease paid to R is part of sharing arrangement
	1	Yes
	2	No
	8	DK/NA
	9	NAP (R is not a boat owner/no rent/lease)
RRENLEAS		Rent or lease paid by R (pesos)
	0	None
	9999	NAP (R does not rent or lease)
RPDPAY		Time period covered by payment of R
		Values same as for PDPAYR (with one change)
	9	NAP (R does not rent or lease)
RRENSHAR		Whether rent or lease paid by R is part of sharing arrangement
	1	Yes
	2	No
	8	DK/NA
	9	NAP (R does not rent or lease)
SHARONOP		Sharing arrangement: boat owner, non-operator
	0	None
	1	2/3 of catch
	2	1/3 of catch
	3	50 50
	7	Others
	8	DK/NA
	9	NAP (R is not a boat owner/non-operator/owner operator)
SHAROOP		Sharing arrangement: boat owner, operator
		Values same as for SHARONOP (with one change)
	9	NAP (R is not a boat owner/operator)
CPILPAYT		Crew pilot: payment terms
	1	Daily wage
	2	Monthly salary
	3	Commission

Variable	Values	Description
	4	Share of catch
	7	Others
	8	DK/NA
	9	NAP (R is not a crew pilot)
CPILTREM		Crew pilot: total remuneration (pesos)
	888	DK/NA
	999	NAP (payment terms in share of catch/R is not a crew pilot)
CPILSHAR		Crew pilot: sharing arrangement
	1	1/3 of catch
	2	2/3 of catch
	3	50% of catch
	7	Others
	8	DK/NA
	9	NAP (payment terms are other than share/R is not a crew pilot)
CMEMPAYT		Crew member: payment terms
		Values same as for CPILPAYT (with one change)
	9	NAP (R is not a crew member)
CMENTREM		Crew member: total remuneration (pesos)
	999	NAP (R is not a crew member)
CMEMSHAR		Crew member: sharing arrangement
		Values same as for CPILSHAR (with one change)
	9	NAP (R is not a crew member)
SPECF1PM		Major species of fish caught, past month (first mention)
		See Annex G for codes of fish species
	88	DK/NA
	99	NAP (no catch past month)
QTYF1PM		Quantity of fish caught, past month (first mention) (number)
	888	DK/NA
	999	NAP (no catch past month)
BQTYF1PM		Basis for reporting quantity of fish caught, past month (first mention)
	1	Kilo
	2	Piece
	3	Kerosene can
	4	Trough
	5	Banyera

Variable	Values	Description
	6	Tiklis/kaing
	7	Others
	8	DK/NA
	9	NAP (no catch past month)
SPECF2PM		Major species of fish caught, past month (second mention)
		See Annex G for codes of fish species
	0	No second mention
	88	DK/NA
	99	NAP (no catch past month)
QTYF2PM		Quantity of fish caught, past month (second mention) (number)
	0	No second mention
	888	DK/NA
	999	NAP (no catch past month)
BQTYF2PM		Basis for reporting quantity of fish caught, past month (second mention)
		Values same as for BQTYF1PM (with one addition)
	0	No second mention
SPECF3PM		Major species of fish caught, past month (third mention)
		See Annex G for codes of fish species
	0	No third mention
	88	DK/NA
	99	NAP (no catch past month)
QTYF3PM		Quantity of fish caught, past month (third mention) (number)
	0	No third mention
	888	DK/NA
	999	NAP (no catch past month)
BQTYF3PM		Basis for reporting quantity of fish caught, past month (third mention)
		Values same as for BQTYF1PM (with one addition)
	0	No third mention
SPECF4PM		Major species of fish caught, past month (fourth mention)
		See Annex G for codes of fish species
	0	No fourth mention
	88	DK/NA
	99	NAP (no catch past month)

Variable Values Description

QTYF4PM	Quantity of fish caught, past month (fourth mention) (number)
0	No fourth mention
888	DK/NA
999	NAP (no catch past month)
BQTYF4PM	Basis for reporting quantity of fish caught, past month (fourth mention) Values same as for BQTYF1PM (with one addition)
0	No fourth mention
SPECF5PM	Major species of fish caught, past month (fifth mention) See Annex G for codes of fish species
0	No fifth mention
88	DK/NA
99	NAP (no catch past month)
QTYF5PM	Quantity of fish caught, past month (fifth mention) (number)
0	No fifth mention
888	DK/NA
999	NAP (no catch past month)
BQTYF5PM	Basis for reporting quantity of fish caught, past month (fifth mention) Values same as for BQTYF1PM (with one addition)
0	No fifth mention
GROSSVPM	Gross value of entire catch, past month (pesos)
88888	DK/NA
99999	NAP (no catch past month)
NDAYFPM	Number of days spent in fishing, past month
0	Less than one day
88	DK/NA
UNFMONTH	Whether last month was a usual or normal fishing month
1	Yes
2	No
8	DK/NA
SPECF1UM	Major species of fish caught in a usual month (first mention) See Annex G for codes of fish species
88	DK/NA

Variable Values Description

QTYF1UM	Quantity of fish caught in a usual month (first mention) (number)
0	No first mention
888	DK/NA
BQTYF1UM	Basis for reporting quantity of fish caught in a usual month (first mention) Values same as for BQTYF1PM
SPECF2UM	Major species of fish caught in a usual month (second mention) See Annex G for codes of fish species
0	No second mention
QTYF2UM	Quantity of fish caught in a usual month (second mention) (number)
0	No second mention
888	DK/NA
BQTYF2UM	Basis for reporting quantity of fish caught in a usual month (second mention) Values same as for BQTYF1PM (with one addition)
0	No second mention
SPECF3UM	Major species of fish caught in a usual month (third mention) See Annex G for codes of fish species
0	No third mention
QTYF3UM	Quantity of fish caught in a usual month (third mention) (number)
0	No third mention
888	DK/NA
BQTYF3UM	Basis for reporting quantity of fish caught in a usual month (third mention) Values same as for BQTYF1PM (with one addition)
0	No third mention
SPECF4UM	Major species of fish caught in a usual month (fourth mention) See Annex G for codes of fish species
0	No fourth mention
QTYF4UM	Quantity of fish caught in a usual month (fourth mention) (number)
0	No fourth mention
888	DK/NA

Variable Values Description

BQTYF4UM		Basis for reporting quantity of fish caught in a usual month (fourth mention)
		Values same as for BQTYF1PM (with one addition)
	0	No fourth mention
SPECF5UM		Major species of fish caught in a usual month (fifth mention)
		See Annex G for codes of fish species
	0	No fifth mention
QTYF5UM		Quantity of fish caught in a usual month (fifth mention) (number)
	0	No fifth mention
	888	DK/NA
BQTYF5UM		Basis for reporting quantity of fish caught in a usual month (fifth mention)
		Values same as for BQTYF1PM (with one addition)
	0	No fifth mention
GROSSVUM		Average gross value of entire catch in a usual month (pesos)
	88888	DK/NA
	99999	NAP (last month was a usual month)
NDAYFUM		Average number of days spent in fishing in a usual month
	88	DK/NA
	99	NAP (last month was a usual month)
PEAKMO1		Peak month (first mention)
	1	January
	2	February
	3	March
	4	April
	5	May
	6	June
	7	July
	8	August
	9	September
	10	October
	11	November
	12	December
	21	1 6
	31	7 12
	88	DK/NA
	99	NAP (no peak month)

Variable	Values	Description
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PEAKMO2		Peak month (second mention) Values same as for PEAKMO1 (with one addition)
	0	No second mention
PEAKMO3		Peak month (third mention) Values same as for PEAKMO1 (with one addition)
	0	No third mention
PEAKMO4		Peak month (fourth mention) Values same as for PEAKMO1 (with one addition)
	0	No fourth mention
PEAKMO5		Peak month (fifth mention) Values same as for PEAKMO1 (with one addition)
	0	No fifth mention
LEANMO1		Lean month (first mention) Values same as for PEAKMO1 (with one change)
	99	NAP (no lean month)
LEANMO2		Lean month (second mention) Values same as for PEAKMO1 (with one addition/one change)
	0	No second mention
	99	NAP (no lean month)
LEANMO3		Lean month (third mention) Values same as for PEAKMO1 (with one addition/one change)
	0	No third mention
	99	NAP (no lean month)
LEANMO4		Lean month (fourth mention) Values same as for PEAKMO1 (with one addition/one change)
	0	No fourth mention
	99	NAP (no lean month)
LEANMO5		Lean month (fifth mention) Values same as for PEAKMO1 (with one addition/one change)
	0	No fifth mention
	99	NAP (no lean month)

Variable Values Description

PCOSTFT Total production cost per fishing trip (pesos)

0 None
8888 DK/NA
9999 NAP (R is not a boat owner and/or leasing/renting operator)

RMCOST Total repair and maintenance cost, past 12 months (pesos)

0 None
88888 DK/NA
99999 NAP (R is not a boat operator/not leasing or renting)

HLCREMA Hired labor cost: repair and maintenance, past 12 months (pesos)

0 None
88888 DK/NA
99999 NAP (R is not a boat operator/not leasing or renting)

FLCREMA Family labor cost: repair and maintenance, past 12 months (pesos)

0 None
88888 DK/NA
99999 NAP (R is not a boat operator/not leasing or renting)

HCOSERV Total hours compensated: other services rendered by R to operator, past month (pesos)

0 None
888 DK/NA
999 NAP (no services rendered/R is 0 Ope)

HNCOSERV Total hours no compensation: other services rendered by R to operator, past month (pesos)

0 None
888 DK/NA
999 NAP (no services rendered)

COSERV Total compensation: other services rendered by R to operator, past month (pesos)

0 None
8888 DK/NA
9999 NAP (no services rendered)

Variable Values Description

PONDSTAT		R's fishpond status
	1	Owner-operator
	2	Business partner
	3	Renting/leasing operator
	4	Hired labor (e.g., caretaker)
	7	Others
	8	DK/NA
AREALOC		Area of fishpond location (hectares)
	8888	DK/NA
AREACONV		Area converted to fishpond (hectares)
	8888	DK/NA
TOTAREA		Total area of fishpond (hectares)
	8888	DK/NA
NSPEC		Total number of species in pond
	88888	DK/NA
RECAPAC		Recommended capacity of fishpond (number of species)
	88888	DK/NA
MRPURST		Average mortality rate: purchase to stocking (percent)
	88	DK/NA
MRSTHAR		Average mortality rate: stocking to harvesting (percent)
	88	DK/NA
TPROD		Total production (kilograms)
	0	None
	8888	DK/NA
VPROD		Total value of production (pesos)
	88888	DK/NA
	99999	NAP (no harvest)
VOWSHAR		Total value of owner's share (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no harvest)
VCSHAR		Total value of caretaker's share (pesos)
	0	None
	99999	NAP (R is owner-operator/no harvest)

Variable	Values	Description
VOTSHAR		Total value of other's share (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no harvest)
VSHARS		Total value of R's share sold (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no harvest)
VSHARC		Total value of R's share consumed (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no harvest)
VSHARG		Total value of R's share given to others (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no harvest)
PCNLABIN		Total production cost of non-labor inputs, past 12 months (pesos)
	888888	DK/NA
HLDM7		Hired labor: total man-days - men
	0	None
	88888	DK/NA
HLDW7		Hired labor: total man-days - women
	0	None
	88888	DK/NA
HLDC7		Hired labor: total man-days - children
	0	None
	88888	DK/NA
HLWGM7		Hired labor: total wages - men (pesos)
	88888	DK/NA
	99999	NAP (no male workers)
HLGW7		Hired labor: total wages - women (pesos)
	88888	DK/NA
	99999	NAP (no female workers)
HLWGC7		Hired labor: total wages - children (pesos)
	88888	DK/NA
	99999	NAP (no child workers)

Variable	Values	Description
HLMEAL		Hired labor: total meal expenses (pesos)
	0	None
	88888	DK/NA
CWAGAM		Caretaker's wage and amenities, past 12 months (pesos)
	888888	DK/NA
	999999	NAP (R is owner-operator)
RCHTRAC		Repair cost 1977: hand tractor (pesos)
	0	None
	8888	DK/NA
	9999	NAP (no particular item/non-crop farmer)
ACHTRAC		Acquisition cost: hand tractor (pesos)
	88888	DK/NA
	99999	NAP (no particular item/non-crop farmer)
PVHTRAC		Present value: hand tractor (pesos)
	88888	DK/NA
	99999	NAP (no particular item/non-crop farmer)
CHTRAC		Amount of credit obtained for purchase/repair of hand tractor (pesos)
	88888	DK/NA
	99999	NAP (no credit obtained/no particular item/non-crop farmer)
COHTRAC		Amount of debt outstanding: hand tractor (pesos)
	0	No outstanding debt
	88888	DK/NA
	99999	NAP (no credit obtained/no particular item/non-crop farmer)
IRCHTRAC		Annual interest rate for credit obtained: hand tractor (percent)
	88	DK/NA
	99	NAP (no credit obtained/no particular item/non-crop farmer)
RC4TRAC		Repair cost 1977: 4-wheel tractor (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no particular item/non-crop farmer)
AC4TRAC		Acquisition cost: 4-wheel tractor (pesos)
	888888	DK/NA
	999999	NAP (no particular item/non-crop farmer)

Variable Values Description

PV4TRAC		Present value: 4-wheel tractor (pesos)
888888		DK/NA
999999		NAP (no particular item/non-crop farmer)
C4TRAC		Amount of credit obtained for purchase/repair of 4-wheel tractor (pesos)
888888		DK/NA
999999		NAP (no credit obtained/no particular item/non-crop farmer)
CO4TRAC		Amount of debt outstanding: 4-wheel tractor (pesos)
0		No outstanding debt
888888		DK/NA
999999		NAP (no credit obtained/no particular item/non-crop farmer)
IRC4TRAC		Annual interest rate for credit obtained: 4-wheel tractor (percent)
88		DK/NA
99		NAP (no credit obtained/no particular item/non-crop farmer)
RCIRRP		Repair cost 1977: irrigation pump (pesos)
0		None
8888		DK/NA
9999		NAP (no particular item/non-crop farmer)
ACIRRP		Acquisition cost: irrigation pump (pesos)
88888		DK/NA
99999		NAP (no particular item/non-crop farmer)
PVIRRP		Present value: irrigation pump (pesos)
88888		DK/NA
99999		NAP (no particular item/non-crop farmer)
CIRRP		Amount of credit obtained for purchase/repair of irrigation pump (pesos)
88888		DK/NA
99999		NAP (no credit obtained/no particular item/non-crop farmer)
COIRRP		Amount of debt outstanding: irrigation pump (pesos)
0		No outstanding debt
88888		DK/NA
99999		NAP (no credit obtained/no particular item/non-crop farmer)

Variable	Values	Description
IRCIRRP		Annual interest rate for credit obtained: irrigation pump (percent)
	88888	DK/NA
	99999	NAP (no credit obtained/no particular item/non-crop farmer)
RCCAPIT		Repair cost 1977: other major crop farm capital items (pesos)
	0	None
	88888	DK/NA
	99999	NAP (no particular items/non-crop farmer)
ACCAPIT		Acquisition cost: other major crop farm capital items (pesos)
	888888	DK/NA
	999999	NAP (no particular items/non-crop farmer)
PVCAPIT		Present value: other major crop farm capital items (pesos)
	888888	DK/NA
	999999	NAP (no particular items/non-crop farmer)
CCAPIT		Amount of credit obtained for purchase/repair of other major crop farm capital items (pesos)
	888888	DK/NA
	999999	NAP (no credit obtained/no particular items/non-crop farmer)
COCAPIT		Amount of debt outstanding: other major crop farm capital items (pesos)
	0	No outstanding debt
	888888	DK/NA
	999999	NAP (no credit obtained/no particular items/non-crop farmer)
IRCCAPIT		Annual interest rate for credit obtained: other major crop farm capital items (percent)
	88	DK/NA
	99	NAP (no credit obtained/no credit obtained/no particular items/non-crop farmer)
RCFBLDG		Repair cost 1977: farm building (pesos)
	0	None
	8888	DK/NA
	9999	NAP (no particular item/non-crop farmer)

Variable	Values	Description
ACFBLDG		Acquisition cost: farm building (pesos)
	88888	DK/NA
	99999	NAP (no particular item/non-crop farmer)
PVFBLDG		Present value: farm building (pesos)
	88888	DK/NA
	99999	NAP (no particular item/non-crop farmer)
CFBLDG		Amount of credit obtained for purchase/repair of farm building (pesos)
	88888	DK/NA
	99999	NAP (no credit obtained/no particular item/non-crop farmer)
COFBLDG		Amount of debt outstanding: farm building (pesos)
	0	No outstanding debt
	88888	DK/NA
	99999	NAP (no credit obtained/no particular item/non-crop farmer)
IRCFBLDG		Annual interest rate for credit obtained: farm building (percent)
	88	DK/NA
	99	NAP (no credit obtained/no particular item/non-crop farmer)
RCFIMP		Repair cost 1977: crop farm implements (pesos)
	0	None
	888	DK/NA
	999	NAP (no particular items/non-crop farmer)
ACFIMP		Acquisition cost: crop farm implements (pesos)
	88888	DK/NA
	99999	NAP (no particular items/non-crop farmer)
PVFIMP		Present value: crop farm implements (pesos)
	88888	DK/NA
	99999	NAP (no particular items/non-crop farmer)
CFIMP		Amount of credit obtained for purchase/repair of crop farm implements (pesos)
	8888	DK/NA
	9999	NAP (no credit obtained/no particular items/non-crop farmer)

Variable Values Description

COFIMP Amount of debt outstanding: crop farm implements (pesos)

0 No outstanding debt
8888 DK/NA
9999 NAP (no credit obtained/no particular items/non-crop farmer)

IRCFIMP Annual interest rate for credit obtained: crop farm implements (percent)

88 DK/NA
99 NAP (no credit obtained/no particular items/non-crop farmer)

RCBLIVE Repair cost 1977: buildings and facilities for livestock/poultry (pesos)

0 None
8888 DK/NA
9999 NAP (no particular items/not engaged in livestock/poultry raising)

ACBLIVE Acquisition cost: buildings and facilities for livestock/poultry (pesos)

8888 DK/NA
9999 NAP (no particular items/not engaged in livestock/poultry raising)

PVBLIVE Present value: buildings and facilities for livestock/poultry (pesos)

888 DK/NA
999 NAP (no particular items/not engaged in livestock/poultry raising)

RCTLIVE Repair cost 1977: tools and equipment used for livestock/poultry raising (pesos)

0 None
888 DK/NA
999 NAP (no particular items/not engaged in livestock/poultry raising)

ACTLIVE Acquisition cost: tools and equipment used for livestock/poultry raising (pesos)

8888 DK/NA
9999 NAP (no particular items/not engaged in livestock/poultry raising)

Variable Values Description

PVTLIVE **Present value: tools and equipment used for livestock/poultry raising (pesos)**

0 None
8888 DK/NA
9999 NAP (no particular items/not engaged in livestock/poultry raising)

RCCFISH **Repair cost 1977: capital items for fish farming (pesos)**

8888 DK/NA
9999 NAP (not engaged in fishing)

ACCFISH **Acquisition cost: capital items for fish farming (pesos)**

88888 DK/NA
99999 NAP (not engaged in fishing)

PVCFISH **Present value: capital items for fish farming (pesos)**

0 None
8888 DK/NA
9999 NAP (not engaged in fishing)