

*The Feasibility Study of the Flood Control Project for
the Lower Cagayan River in the Republic of the Philippines
Final Report
Data Book*

LU-1 Farm Interview Survey

Farming Interview Survey Sheet

No.: 1

Date: June 5, 2001
 Time: 10:45 to 11:50
 Place: Municipality: Amulung
 Barangay: Abolo
 Landscape: on natural levee

Interviewee: Reynaldo Alonzo
 Sex/Age: male/64
 Experience: _____
 Interviewer: Kurauchi/Tagacay

Cropping Season		Wet	Dry	3rd	Note
Month					
Land		paddy field upland crop field, etc.			
Land Tenure (physical)	own (ha)	2.5			
	lending (ha)	-			
	tenant (renting) (ha)	-			
	lease (ha)				
	lending condition				
	renting condition				
	land owner				from Seridon / Corpes family
	purchase	more than 30yrs ago, in 1962			bought in cash at 5,000P/ha
	Agrarian Reform				
Farming	Planted (ha)	2.5	2.5		no rice
	Harvested (ha)	2.5	2.5		if not inundated
	Irrigated (ha)				
Crop	pattern-1 palay corn	2.0	2.0		yellow: 1.5, white: 0.5ha
	pattern-2 vegetables & others	0.5	0.5		
	fruit tree, etc.				
	coconut, mango, papaya, tamarind				self-consumption
Yield	corn (cavan/ha)	60	60		
	mongo beans, sweet peas				rotation to avoid disease
Production	(cavan)	120	120		
	(P/kg)	yellow: 7, white: 10			
Variety	HYV hybrid				pioneer
	TV				
	Quantity (cavan/ha)	1 bag = 18 kg			
	Price (P/)	1,800 P/bag			
	Source: buy from	private trader in Tuguegarao			
Seeding/sowing (seedling)	re-plant				
	broadcast				
Fertilizer	Commercial/Chemical	6 bags/ha			1 bag=50 kg, Urea/Complete
	Organic: Name				(Some are using those from DA.)
	Quantity of use				
	Price	Urea: 430 P/bag, Complete: 450 P/bag			
	Source: buy from	private trader			
Pesticide/insecticide/herbicide	Name & Quantity of use	1lit./ha			due to condition/attack
	Price	more than 1,000P/lit.			
	Source: buy from	private trader			
Labour	no. & day sowing	10 nos x 1 day			
	harvest	15-20 nos x 1 day			
	wage sowing	100 P/day			from the same or neighbour barangay
	harvest	1 cavan/8 cavans			
Livestock	Carabao no. & day	3			for transportation
	source/price	16,000 P/head			1st bought, birth sold(?)
	Cattle no. & day	-			
	source/price				
	Hog no.	5 (2 big + 3 small)			*: ploughing by 8 farmers with the 8 carabaos jointly one another,
Poultry	chicken	10			8 carabaos/day/ha
	duck	2			

No.:

Machinery/equipment	capacity		
Hand tractor no. & day		-	
source/price			
Tractor		-	ploughing: 1,000P/ha (from Piat, Isabela, etc.)
Vehicle/car		-	
Rice thresher		-	
Corn sheller		-	
Mechanical dryer		-	
Multi-purpose dryer		in barangay	
Drying yard		2 solar dryers in barangay	
Warehouse/storehouse		-	
Processing facility		private	in barangay, gliding only
Damage		reduce 60 -> 10	
drought			
flood			
heavy rainfall			
pest			
insect			
others			
Marketing			
sell product to		mostly the same trader coming here	
at place of ...			
with price ...			
Farm to market road condition			
Farmers' Association		no	
name			
activity			
responsibility			
intension			
Loan/Finance			
source		private trader	
amount	(P)	7,000 - 10,000 P	
interest		5 %/month	
repayment		after cropping 4-6 months	
tenant contract		-	
Output Gross Benefit	(P)	7,000 x 2 times	
Production Cost	(P)	6,000	
Net Benefit	(P)	1,000	
Income	(P/yr)	7,000 x 2 times?	
Expenditure	(P/yr)	ditto?	
Food supply		white corn (palay)	
Subsidy by NG/LGU		-	
Fishery	fishing	frequency/gain	not so frequent, in Cagayan river for self-consumption
	fishpond	area (ha)	-
		fish name	
		input	
		water supply	
		labour	
		output (kg, P)	
		market	
		benefit (P)	
Family	Total incl. Head (Lodge)	(2)	
	Wife/Husband	(1)	
	Children (mail/femail)	5(0): 1m* 5f	*: dead Manila
	occupation	plain wives, accountant, social worker, teacher and student & computer scientist	
		water supply - by hand pump 18m depth	

Farming Interview Survey Sheet

No.: 2

Date: June , 2001 Time: to
 Place: Municipality:
 Barangay:
 Landscape:

Interviewee: Captain Romeo Mataga
 Sex/Age: Male 58
 Experience: 16
 Interviewer:

Cropping Season		Wet	Dry	3rd	Note
Month					
Land		paddy field upland crop field, etc.			
Land Tenure	own (ha)	5 (2) 3 purchase			
(physical)	lending (ha)				
	tenant (renting) (ha)	1			
	lease (ha)				
	lending condition				
	renting condition				
	land owner	Carag			
	purchase	more than 5 years			
	Agrarian Reform				
Farming	Planted (ha)	6	6		
	Harvested (ha)	6	6		
	Irrigated (ha)				
Crop	pattern-1 palay				
	pattern-2	5.75	5.75		5.25 ha. for corn 0.5 ha for tobacco
	vegetables & others	0.25	0.25		mango, beans, sweet peas
	fruit tree, etc.	mango	coconut	guyabang	(alligator pear) guava
Yield	(cavan/ha)	30-50/ha	30-50/ha		(6 P/kg yellow corn
Production	(cavan)	180-300	180-300		7-8 P/kg white corn
	(P)				5,000 P: tobacco (0.5 ha.)
Variety	HYV	hybrid	yellow corn		native white
	TV				
	Quantity (cavan/ha)	1cav/ha	18kg/ha		
	Price (P/)	1,200	P/bag		
	Source: buy from	private trader in tuguegarao			
Seeding/sowing	re-plant				
(seedling)	broadcast				
Fertilizer	Commercial/Chemical				
	Organic: Name	6 cav/ha	6 cav URCA/ha		(triple 14) 6 cavanse
	Quantity of use				
	Price	P 280	P 470		P 480
	Source: buy from	private trader			
Pesticide/insecticide/herbicide					
	Name & Quantity of use	folidol &	regent		decies
	Price	P 800/ha	P 1,000/10 kilos		P 1,000
	Source: buy from	traders			
Labour	no. & day sowing	10 laborers/hect P 100/person, tractor (P 1,000/hect)			
	harvest	1 cavan	7 cavan		
	wage sowing				
	harvest				
Livestock	Carabao no. & day	2			
	source/price				
	Cattle no. & day				
	source/price				
	Hog no.	3			
	Poultry chicken	9 hens	1 rooster	16	chicken
	duck	5			

No.:

Machinery/equipment	capacity			
Hand tractor no. & day		1		
source/price		P 40,000	from DA	
Tractor				
Vehicle/car				
Rice thresher				
Corn sheller				
Mechanical dryer				
Multi-purpose dryer		barangay		
Drying yard				
Warehouse/storehouse				
Processing facility				
Damage	drought	once a year		highest flood
	flood	frequently	1972	three-four days
	heavy rainfall	december feb.		
	pest	army worm rat		
	insect	bees		
	others			
Marketing	sell product to	traders		
	at place of ...			
	with price ...	5.50-7.00/kilo		
Farm to market road condition		not yet		
Farmers' Association				
	name			
	activity			
	responsibility			
	intension			
Loan/Finance	source	traders		
	amount (P)	P 20,000		
	interest	7%/ months		
	repayment	every cropping		
	tenant contract			
Output Gross Benefit	(P)	12,500		
Production Cost	(P)	8,000		
Net Benefit	(P)	5,500/hect		
Income	(P/yr)			
Expenditure	(P/yr)			
Food supply		sell yellow corn 20% price		80% corn
Subsidy by NG/LGU				
Fishery	fishing	frequency/gain	not frequently	
	fishpond	area (ha)		
		fish name		
		input		
		water supply	shallow well	
		labour		
		output (kg, P)		
		market		
		benefit (P)		
Family	Total incl. Head (Lodge)	4		
	Wife/Husband	2 3 4		
	Children (mail/femail)	7 (2f 5m)		
	occupation	3 farmers (m)		
		1 students 1 (m)		tuguegarao
		2 house keeper (f)		1 manila

Farming Interview Survey Sheet

No.: 3

Date: June , 2001

Time: to

Interviewee:

Brgy. Captain Sotero M

Place: Municipality:

amulang

Sex/Age:

47

Barangay:

unag

Experience:

22

Landscape:

Interviewer:

Cropping Season		Wet	Dry	3rd	Note
Month					
Land					
Land Tenure	own (ha)	8 ha owned			(5) ha lease
(physical)	lending (ha)	3			
	tenant (renting) (ha)				50%-50% input tenant/carabao own
	lease (ha)	5 hectar P 12,000 for 5 ha			
	lending condition	100%			
	renting condition				
	land owner				
	purchase	5 hectares P 12,000 for 2 hec.			1990
	Agrarian Reform	P 8,000/ha			1978
Farming	Planted (ha)	10			
	Harvested (ha)	10			
	Irrigated (ha)				
Crop	pattern-1 palay	10	10		
	pattern-2				
	vegetables & others				
	fruit tree, etc.	avocado	mango	orange	jadefruit, star apple
Yield	(cavan/ha)	50-60/ ha.	50-60/ha		
Production	(cavan) (P)				
Variety	HYV TV	native white corn			
	Quantity (cavan/ha)	1 bag/ha	18kgs- 20 kgs		
	Price (P/)	P 1,000/bag			
	Source: buy from	dept. of agriculture			
Seeding/sowing (seedling)	re-plant broadcast				50kgs/cavan
Fertilizer	Commercial/Chemical Organic: Name	ammonium 3-4/cavar/ ha ur			3-4 cavans/ha
	Quantity of use	depend on DA			
	Price	260/ cavan			P 480/ cavan
	Source: buy from				
Pesticide/insecticide/herbicide	Name & Quantity of use	regent	5 kilos/ha		
	Price	P 800/10 kilos			
	Source: buy from	traders from alcala & tuguegarao			
Labour	no. & day sowing harvest	P 900/ha for tractor			P100/ person 6-7 person /ha
	wage sowing harvest	12-15 person/ ha			
Livestock	Carabao no. & day source/price	1月7日 3 owned			
	Cattle no. & day source/price				
	Hog no.	5			
	Poultry chicken duck	10			

Machinery/equipment	capacity		
Hand tractor no. & day			
source/price			
Tractor			
Vehicle/car			
Rice thresher			
Corn sheller			
Mechanical dryer			
Multi-purpose dryer	brgy. (2)		
Drying yard			
Warehouse/storehouse			
Processing facility			
Damage			1996
drought			
flood	once in a year		
heavy rainfall	every sept.-dec.		
pest	once in 5 years		
insect	every cropping esp. rainy season		
others			
Marketing			
sell product to	traders		crossing by boat
at place of ...	amulung		
with price ...	7-7.10/ kilo		
Farm to market road condition			
Farmers' Association	newly created 8 members		
name	CPAR		
activity	attending seminar given by DA		
responsibility	to have more production		
intension	to share to other farmers what they have learned from the semi		
Loan/Finance	source		
amount	(P)		
interest			
repayment			
tenant contract			
Output Gross Benefit	(P)		
Production Cost	(P)		
Net Benefit	(P)		
Income	(P/yr)	P 40,000 for net P 30,000 for dry	
Expenditure	(P/yr)	P 20,000-25,000/cropping	
Food supply	market- amulung		80% corn- 20% rice
Subsidy by NG/LGU	DA Riginal		
Fishery	fishing	frequency/gain	once in a day
fishpond	area	(ha)	tilapia, shrimps
	fish name		
	input		shallow well
	water supply		
	labour		
	output	(kg, P)	
	market		
	benefit	(P)	
Family	Total incl. Head (Lodge)	8	grandmother
	Wife/Husband	2	grandmother
	Children (mail/femail)	2 (1 m 1 f)	2 helpers (1boy 1girl)
	occupation	1 teacher (f)	
		1 student (m)	

Farming Interview Survey Sheet

No.: 4

Place: Municipality: amulung
 Barangay: unag
 Landscape: village

Time: 4:20 to: _____

Interviewee: Deogracias Orsita
 Sex/Age: 30
 Experience: 5 year
 Interviewer: _____

Cropping Season		Wet	Dry	3rd	Note
Month					
Land					
Land Tenure	own (ha)	0.5			
(physical)	lending (ha)				
	tenant (renting) (ha)	1.5			
	lease (ha)				
	lending condition				
	renting condition	2/3 tenant, 1/3 owner			
	land owner				
	purchase				
	Agrarian Reform				
Farming	Planted (ha)	2	2		
	Harvested (ha)	2	2		
	Irrigated (ha)				
Crop	pattern-1 palay	2	2		
	pattern-2				
	vegetables & others				
	fruit tree, etc.	mango, star apple avocado, guava, jack fruit			
Yield	(cavan/ha)	50-60/ha	40-50/ha		
Production	(cavan)				
	(P)				
Variety	HYV	hybrid	yellow corn		
	TV	native	white corn		
	Quantity (cavan/ha)	1 bag hybrid yellow corn			6-7 grms for white corn
	Price (P/)	P 720/ cavan			P 15.00/ ganta
	Source: buy from	tuguegarao & amulung			
Seeding/sowing	re-plant				
(seedling)	broadcast				
Fertilizer	Commercial/Chemical	UREA 3 to 4 cavans/ ha			ammomiun- 3to 4 cavans/ ha
	Organic: Name				
	Quantity of use				
	Price	P 480/ cavan			P 260/ cavan
	Source: buy from	traders			
Pesticide/insecticide/herbicide		regent			
	Name & Quantity of use	P 400/ 5 kilos			P 350/ 1regart
	Price				
	Source: buy from	traders			
Labour	no. & day sowing	6 laborers/ ha			
	harvest	10-12/ ha			
	wage sowing	P 100/ person			
	harvest	1:07			
Livestock	Carabao no. & day	1			
	source/price	given by his father			
	Cattle no. & day				
	source/price				
	Hog no.	1			
	Poultry chicken	5			
	duck				

Machinery/equipment	capacity		
Hand tractor no. & day			
source/price			
Tractor			
Vehicle/car			
Rice thresher			
Corn sheller			
Mechanical dryer			
Multi-purpose dryer	2 (brgy.)		
Drying yard	5 m x 10 m		
Warehouse/storehouse			
Processing facility			
Damage	drought		
	flood	once in a year	
	heavy rainfall	every sept.- dec.	
	pest	once in 5 years	
	insect	every cropping esp. rainy season	
	others		
Marketing			
	sell product to	traders	
	at place of ...	amulung	
	with price ...	P 7- 7.10/ kilo	
Farm to market road condition			
Farmers' Association			
	name		
	activity		
	responsibility		
	intension		
Loan/Finance	source	traders	
	amount (P)	P 5,000/ cropping	
	interest	5%	
	repayment	after cropping	
	tenant contract		
Output Gross Benefit	(P)		
Production Cost	(P)		
Net Benefit	(P)		
Income	(P/yr)	P 10,000 for wet	P 8,000 for dry
Expenditure	(P/yr)	5,000	
Food supply		market - amulung	
Subsidy by NG/LGU			
Fishery	fishing	frequency/gain	frequently (once in a day)
	fishpond	area (ha)	
		fish name	
		input	
		water supply	shallow well
		labour	
		output (kg, P)	
		market	
		benefit (P)	
Family	Total incl. Head (Lodge)	4	
	Wife/Husband	2	
	Children (mail/femail)	2 boys	
	occupation	still very young	

Farming Interview Survey Sheet

No.: 5

Place: Municipality: Amulung
 Barangay: Balauini
 Landscape: _____

Interviewee: Manny Bargado
 Sex/Age: 29
 Experience: more than 10 years
 Interviewer: _____

Cropping Season		Wet	Dry	3rd	Note
Month					
Land					
Land Tenure	own (ha)				
(physical)	lending (ha)				
	tenant (renting) (ha)	1.5			near the cagayan river thru caraba walking
	lease (ha)				
	lending condition				
	renting condition	1 owner 3 tenant our input			
	land owner	Ikker Gallebo			
	purchase				
	Agrarian Reform				
Farming	Planted (ha)	90 cavans/ ha	60 cavance / ha		
	Harvested (ha)				
	Irrigated (ha)				
Crop	pattern-1 palay				
	pattern-2				
	vegetables & others				
	fruit tree, etc.	mango, star, apple			
Yield	(cavan/ha)				
Production	(cavan)				
	(P)				
Variety	HYV	hybrib	hybrid		cargil C818
	TV				
	Quantity (cavan/ha)				
	Price (P/)	P 1950/ bag			
	Source: buy from	traders at tuguegarao			
Seeding/sowing	re-plant	twice			
(seedling)	broadcast				
Fertilizer	Commercial/Chemical	Urea	triple 14		ammonium
	Organic: Name				
	Quantity of use	4 bags/ ha	3 bags/ ha		P 270/ bag
	Price	P 500/ bag	P 480/ bag		P 20 transportation/ bag
	Source: buy from	tuguegarao			
Pesticide/insecticide/herbicide		1 bag/ ha			
	Name & Quantity of use	regent 1bag/ ha larvir	250ml for 1 bag of corn seed		
	Price	P 1,100/ bag	P 375/ 250 ml		
	Source: buy from	tuguegarao			
Labour	no. & day sowing				
	harvest	open	open		1:8 owner = 1/9
	wage sowing				
	harvest				
Livestock	Carabao no. & day	1			
	source/price				
	Cattle no. & day				
	source/price				
	Hog no.				
	Poultry chicken	1			
	duck				

Machinery/equipment	capacity			wet- january for planting dry - may & june
Hand tractor no. & day source/price				
Tractor				
Vehicle/car				
Rice thresher				
Corn sheller				
Mechanical dryer				
Multi-purpose dryer	6 (brgy.)			
Drying yard	1 m x 30 yards			not yet enough
Warehouse/storehouse				
Processing facility				
Damage	1993			
drought				
flood	yearly (sept. - jan.)			1 week to subside
heavy rainfall	2 nighths heavy rain			2 -3 days to subside
pest	rat & worms			
insect				
others				
Marketing				
sell product to at place of ... with price ...		trader at tuguegarao		
Farm to market road condition			P 6.00- 7.20/ kilo yellow corn	
Farmers' Association				
name				
activity				
responsibility				
intension				
Loan/Finance	source	traders		P 15,000/ cavan- for thresher
amount	(P)	P 10,000- P 15,000		
interest		5%		
repayment		after cropping		
tenant contract				
Output Gross Benefit	(P)	P 25,200/ ha		
Production Cost	(P)			
Net Benefit	(P)			
Income	(P/yr)	P 3,000- 5,000/ cropping		
Expenditure	(P/yr)			
Food supply		tuguegarao - palay		1 cavan/ month P 850/ cavan 1ca
Subsidy by NG/LGU				
Fishery	fishing	frequency/gain	once a week (Sunday)	sold consumption
	fishpond	area (ha)		
		fish name		
		input		
		water supply	shallow well	
		labour		
		output (kg, P)		
		market		
		benefit (P)		
Family	Total incl. Head (Lodge)	4		
	Wife/Husband	2		
	Children (mail/femail) occupation	2 boy & girl elementary		

Farming Interview Survey Sheet

No.: 6

Place: Municipality: Ammulung
 Barangay: Balauini
 Landscape: _____

Time: 11:1:to: _____

Interviewee: Marcelo/ Virgilio Solain
 Sex/Age: 59/ 28
 Experience: more than 25 yrs/ 12 y
 Interviewer: _____

Cropping Season		Wet	Dry	3rd	Note
Month					
Land		paddy field upland crop field etc.			
Land Tenure	own (ha)	1/ ha (Manaligod) - Ilagan			Isabela Castro
(physical)	lending (ha)				
	tenant (renting) (ha)	1.5 (Castro) solana 1 ha-			payment to Land Bank payment P 150
	lease (ha)				year
	lending condition				
	renting condition				
	land owner				
	purchase				
	Agrarian Reform	2.5			
Farming	Planted (ha)	20 - 30 cavans/ ha 40 cavans/ ha hybrid corn			
	Harvested (ha)	1 bag/ha	1 bag/ ha		
	Irrigated (ha)				
Crop	pattern-1 palay				
	pattern-2				
	vegetables & others				
	fruit tree, etc.				
Yield	(cavan/ha)				
Production	(cavan) (P)				
Variety	HYV	hybrid (cargill)			
	TV				
	Quantity (cavan/ha)				
	Price (P/)	P 1,150/ bag			
	Source: buy from	trader from tuguegarao			
Seeding/sowing	re-plant	2-3 times			
(seedling)	broadcast				
Fertilizer	Commercial/Chemical	urea	triple 14		
	Organic: Name				
	Quantity of use	4-5 cavans/ ha 5 cavans/ ha			
	Price	P 490/ cavan P 470/ cavan			
	Source: buy from	traders from tuguegarao			
Pesticide/insecticide/herbicide	Name & Quantity of use	regent			
	Price	P 950/ bag			
	Source: buy from	thru the barangay captain			
Labour	no. & day sowing	P 150/ person 7 person needed			
	harvest	open	open		1:08
	wage sowing				
	harvest				
Livestock	Carabao no. & day	1 owned 2 owned by person and take care of it			
	source/price				
	Cattle no. & day				
	source/price				
	Hog no.	3			
	Poultry chicken	4 hen	16 chick		
	duck	2			

Machinery/equipment	capacity		
Hand tractor no. & day			
source/price			
Tractor			
Vehicle/car			
Rice thresher			
Corn sheller			
Mechanical dryer			
Multi-purpose dryer	6 (barangay)		
Drying yard	6m x 3m		
Warehouse/storehouse			
Processing facility			
Damage	drought		
	flood	every yr. (esp. sept.- jan.)	1 week to subside
	heavy rainfall	during the typhoon	3 day to subside
	pest	worms, rat, grasshopper	
	insect		
	others		
Marketing			
	sell product to	trader from tuguegarao	
	at place of ...	tuguegarao	20/ cavan by jeepney
	with price ...	p 7.00- 7.20/ kilo	
Farm to market road condition			
Farmers' Association		none	
	name		
	activity		
	responsibility		
	intension		
Loan/Finance	source	traders from tuguegarao	
	amount (P)	P 8,000	
	interest	4%/ month	
	repayment	after cropping	
	tenant contract		
Output Gross Benefit	(P)		
Production Cost	(P)		
Net Benefit	(P)		
Income	(P/yr)	P 2,000 - 5,000/ cropping	
Expenditure	(P/yr)		
Food supply		tuguegarao	
Subsidy by NG/LGU			
Fishery	fishing	frequency/gain	once a year
	fishpond	area (ha)	
		fish name	
		input	
		water supply	shallow well
		labour	
		output (kg, P)	
		market	
		benefit (P)	
Family	Total incl. Head (Lodge)	6	
	Wife/Husband	2	
	Children (mail/femail)	5 (2 f 3 m)	1 has his own house
	occupation	farming	

Farming Interview Survey Sheet

No.: 7

Place: Municipality: Amulung
 Barangay: Balauini
 Landscape: _____

Time: to: _____

Interviewee: Demetrio Andriano
 Sex/Age: 48
 Experience: 21 years
 Interviewer: _____

Cropping Season		Wet	Dry	3rd	Note
Month					
Land		paddy field upland crop field, etc.			
Land Tenure	own (ha)				
(physical)	lending (ha)				
	tenant (renting) (ha)				
	lease (ha)	6 ha			
	lending condition				
	renting condition	lease deposit 30,000 P/ ha got all many carabao Cassisigan sur			
	land owner	direct payment to the land owner			
	purchase				
	Agrarian Reform	5 ha (1972) Mr. Catrico (Amulung East)			
Farming	Planted (ha)	13 ha.	13 ha.		yellow corn
	Harvested (ha)	13 ha.	13 ha.		
	Irrigated (ha)				
Crop	pattern-1 palay	11 ha.	11 ha.		
	pattern-2	2 ha.	2 ha.		
	vegetables & others	eggplant, camote			backyard
	fruit tree, etc.	mango	coconut	guava	0.5 ha. Self consume
Yield	(cavan/ha)	50 cavans/ ha. 50 ha./ cavan			
Production	(cavan)				
	(P)				
Variety	HYV	GSI 40	hybrid		
	TV				
	Quantity (cavan/ha)	1 cavan/ ha. 1 cavan / ha.			
	Price (P/)	P 1,700/ cavan			
	Source: buy from	distributor of GSI 40			
Seeding/sowing	re-plant	two-three times			
(seedling)	broadcast				
Fertilizer	Commercial/Chemical	triple 14	urea		
	Organic: Name				
	Quantity of use	3 bags/ ha	3 bags/ ha.		
	Price	P 490/ ba	P 490/ bag		
	Source: buy from	traders from tuguegaro			
Pesticide/insecticide/herbicide					
	Name & Quantity of use	regent - karate- for the corn plant, larving - for seeds			
	Price	P 860/ 10 kilos/ ha. P1,000/ ha P 350 / bottle / bag			
	Source: buy from	direct farm supply		direct	
Labour	no. & day sowing	tractor / P 950 / ha. Owned by Seria Carowin in this brgy.			
	harvest	open	open		
	wage sowing				
	harvest				1:08
Livestock	Carabao no. & day	2			
	source/price				
	Cattle no. & day				
	source/price				
	Hog no.	21			6 big 15
	Poultry chicken	10 hens	1 chick		
	duck				

Machinery/equipment	capacity		
Hand tractor no. & day	source/price		
Tractor			
Vehicle/car			
Rice thresher			
Corn sheller			
Mechanical dryer			
Multi-purpose dryer	6 (brgy.)		
Drying yard			
Warehouse/storehouse			
Processing facility			
Damage	drought	el nino (1993)	80% damage keep 20% only
	flood	every (nov - dec.)	3-5 days to subside 12m. Heigh
	heavy rainfall		
	pest	rat	in field 5% damage
	insect		
	others		
Marketing			
	sell product to	traders	
	at place of ...	tuguegarao	
	with price ...	P 7-7.30 / kilo	
Farm to market road condition		needs for improvement	
Farmers' Association			once made as NGO propered mem
	name		bers= inactive because head is ina
	activity		
	responsibility		
	intension		
Loan/Finance	source	traders from tuguegarao	
	amount (P)	P 50,000	
	interest	4% / month	
	repayment	after harvesting	
	tenant contract		
Output Gross Benefit	(P)		
Production Cost	(P)		
Net Benefit	(P)		
Income	(P/yr)	P 80,000 / cropping	
Expenditure	(P/yr)		
Food supply		tuguegarao	foods except rice
Subsidy by NG/LGU			
Fishery	fishing	frequency/gain	once a week
	fishpond	area (ha)	
		fish name	
		input	
		water supply	shallow well
		labour	
		output (kg, P)	
		market	
		benefit (P)	
Family	Total incl. Head (Lodge)	6	
	Wife/Husband	2	
	Children (mail/femail)	4 (3 m 1 f)	
	occupation	1 SK federation	like councillor male
		3 students	1 criminology male
			1 educatio male

Farming Interview Survey Sheet

No.: 8

Place: Municipality: Solana
 Barangay: Iraga
 Landscape: _____

Time: 3.25 to: _____

Interviewee: Benjamin Dalicon
 Sex/Age: 54
 Experience: more than 40 yrs
 Interviewer: _____

Cropping Season		Wet	Dry	3rd	Note
Month					
Land		paddy field upland crop field etc.			
Land Tenure	own (ha)	10 ha.			4 only have title
(physical)	lending (ha)				
	tenant (renting) (ha)				
	lease (ha)	1.5 ha.			P 20,000
	lending condition				
	renting condition	if the land owner returned the money (P 20,000) he can get			
	land owner	Elis Castro in the barangay back his land			
	purchase				
	Agrarian Reform				
Farming	Planted (ha)	11.5 ha.	11.5 ha.		
	Harvested (ha)	11.5 ha.	11.5 ha.		
	Irrigated (ha)				
Crop	pattern-1 palay	0.5 ha.	0.5 ha.		deep well (owner neighbour)
	pattern-2	11 ha.	11 ha.		3 cavans /0.5 ha.
	vegetables & others				
	fruit tree, etc.	mango	coconut		
Yield	(cavan/ha)	50 cavan/ ha. 20 cavan/ ha. For corn			
		18 cavan/ 0.5 ha. 18-40 cavans/ 0.5 ha. For rice			
Production	(cavan)				
	(P)				
Variety	HYV	native			for past two years (malagkit)
	TV				
	Quantity (cavan/ha)	5 gantas/ ha.			5 gantas/ ha.
	Price (P/)	P 5.00/ klio			
	Source: buy from	from neighborhood			from DA
Seeding/sowing	re-plant	4 times in this year			if the climate is good once in one cropping
(seedling)	broadcast				
Fertilizer	Commercial/Chemical	triple 14 urea			ammonium (bulaklak)
	Organic: Name				
	Quantity of use	6 bag/ha. 6 bag/ ha. 6 bag/ ha.			
	Price	P 480/ ba; P 480/ ba; P 480/ bag			
	Source: buy from	farm supply from tuguegarao			
Pesticide/insecticide/herbicide	Name & Quantity of use	furidan (gramules)			
	Price	P 1,000+			
	Source: buy from	farm supply from tuguegarao			
Labour	no. & day sowing	tractor			
	harvest	open	open		
	wage sowing	15% of P 1,000/ ha.			(operator)
	harvest				
Livestock	Carabao no. & day				
	source/price				
	Cattle no. & day				
	source/price				
	Hog no.	10			
	Poultry chicken	10 9 hen		1 chick	
	duck				

Machinery/equipment	capacity			
Hand tractor no. & day				
source/price				
Tractor	2 total			1 destroyed
Vehicle/car	1			jeepney (20% driver 10% conductor
Rice thresher	1			but destroyed
Corn sheller				
Mechanical dryer				
Multi-purpose dryer	2 brgy.			
Drying yard	5 x 4			
Warehouse/storehouse	yes (corn granary)			150 cavans
Processing facility				
Damage	drought	sometimes total loss sometimes 25% damaged		
	flood	if the water is very deep (total loss) (1 week needed to subside,		
	heavy rainfall	80% of the production 50% of the production if the water subside		
	pest	corn borer		two days
	insect			
	others			
Marketing				
sell product to				
at place of ...		trader at tuguegarao		
with price ...				
Farm to market road condition		P 5-8/ kilo		
Farmers' Association		very bad farm in the market		
	name			
	activity			rice for consumption
	responsibility			corn for paying their debts
	intension			
Loan/Finance	source	traders		
	amount (P)	P 100,000		
	interest	5%		
	repayment	every after cropping		
	tenant contract			
Output Gross Benefit	(P)			
Production Cost	(P)			
Net Benefit	(P)			
Income	(P/yr)	does not know		
Expenditure	(P/yr)	does not know		
Food supply		vegetbles they buy it to the market or to the vendors		
Subsidy by NG/LGU				
Fishery	fishing	frequency/gain		
	fishpond	area (ha)		
		fish name		
		input		
		water supply	shallow well	
		labour		
		output (kg, P)		
		market		
		benefit (P)		
Family	Total incl. Head (Lodge)	7		
	Wife/Husband	2		
	Children (mail/femail)	5 (2 male 3 female)		
	occupation	5 students 3 college		1 information technology
				education (female)
				marine transportation (male)

Date: 6-Oct-01
Place Municipality:
Barangay:
Landscape:

Time: 2:30 to 4:00
Amulung
Palayag

Interviewee: Rodolfo M. Gannaban, Sr.
Sex/Age: M / 56 yrs. Old -Bry. Captain
Experience: 41 yrs.
Interviewer: Maring

Land	Area (ha)	Condition		Remarks
Land Tenure (Physical)				
a) Owned	6 has	(3has.- rice, Agrarian Reform) (2 has. Corn, purchased) (1 ha. Vegetables owned)		corn - 70 kls/cavans rice
b) Purchased	2 has			
c) Leased Rental (owner & tenant)				
d) Mortgage				
e) Agrarian Reform	(3 has.)	(1974-Demetrio Simangan- 2has)		
Farming		Wet	Dry	3rd
a) Planted paddy (ha)	santol, coconut, mango, guava	(3 has. - rice) (2 has. corn)		1 ha. also for vegetables
b) Planted corn (ha)		(2has.-corn)		
c) Harvested (ha)	do	do		
d) irrigated (ha)	3 has. rice	3 has. rice		They have deep
Cro				
a) Palay	3has.			
b) Corn	2 has.			
c) Vegetables & others	1ha.			(beans,eggplant, green & red pepper,
d) Fruit trees	santol, coconut, mango, guava			
Yiel d	(cavan/ha)	rice(80- 100 cavans/ha.)	rice- (80- 100 cavans / ha)	
Production	(cavan)	corn(30 cavans/ ha)	corn (30- cavans	
	cost(P)			
Sowing / Seedling				
a) Transplanting (seed bed)	3 has.	3 has.		
b) Broadcast (sabog- tanim)				
Variety		Quality	Cost	Source
Rice		Cavan / ha		
HYV (High Yielding Variety)				
a) R 1 66 (1st cropping)	2 bags /ha	P 700 / bag	IRRI (Los Banos, Laguna)	1 bag= 40 kls.
b) WAG-WAG	2 bags /ha	payment - 2 bags	IRRI (Los Banos, Laguna)	
TV (Traditional Variety)				
a)				
b)				
Cor				
HYV (High Yielding Variety)				
a)				
b)				
OPV (Open Pollinated Variety)				
a)				
b)				
TV (Traditional Variety)				
a) Native(white corn)	1 bag /ha		his own	1 bag= 20kls.
b)				
Fertilizer : Commercial/ Chemical				
a) Ammonium	4 cavans/ha	P 320 / cavan	Traders , Tuguegarao City	
b) Urea	4 cavans/ha	500/ cavan	Traders , Tuguegarao City	
c) Poliar Green B	1 liter / ha	120 / liter	Traders , Tuguegarao City	sprayed during flowering stage
d)				
e)				
Organic				
a)				
b)				
c)				
d)				
e)				
Pesticide/Insecticide/Herbicide				
a) Karate	1 liter / ha	P 700/liter	Traders, Tuguegarao, City	
b) Decis R	1 liter / ha	P 750/liter	do	
c Vendex	1 liter / ha	P 340/liter	do	
d)				
e)				
Labor	No. of Persons/ha	No. of Days/ha	Cost/Person	Remarks
a) Sowing	7	1/2	80	1 cavan / 13/ cavan
b) Harvesting	Many			
Livestock	No	Cost		
a) Carabao	3	P 16,000 - P		
b) Cattle	1			
c) Hog	6	big- P 10,000 piglets- P 2,500		
Poultry				
a) Chicken	15	P 80/kilo		
b) Duck	6	male- P 200 female- P 100		
c) Turkey				
Machinery/Equipment				
a) Hand	1	P 39,000 Machine + P 15,000		transmission
b) Tractor	-			

c) Rice	-		
d) Corn Sheller	-		
e) Mechanical	-		
f) Multi	-		
g) Dying Yard	15m x 30m		Provided by DA
h) Vehicle/Car			

Warehouse/ Storehouse					
Processing Facility					
Farm to market road condition	earth road				
Marketing	To whom do you sell	Where	Cost		
a) Palay	Traders	Tuguegarao City	P 7-10/kl. Depends upon prevailing price		
b) Corn	Traders	do	P7 kl. White corn		
c) Vegetables	Market & neighborhood	do	P 10/kl. - eggplant P 50-		
d) Fruit Trees	for consumption only		P 10/kl. Okra P 20/kl. - P 5/10/bundle of string		
Damages					
a) Drought	for Rice P 13,000/ha	for Corn P			
b) Flood	for Rice P 13,000/ha	during typhoon only for Corn - 3,550 during rainy season & typhoon			
c) Heavy Rainfall					
d) Pest	1996(grasshopper)				
e) Insect	2000 (rats)				
f) Others					
Farmers' Association : Name	Activity	Responsibility		Intension	
a) None					
b) None					
Loan / Finance : Source	Amount	interest	Repayment	Tenant	
a) Traders of Tuguegarao	P 10,000	5%	after harvesting	goods to be sold to the traders from whom they owe money	
b)					
c)					
d)					
e)					
Output Gross Benefit	P				
Net Benefit	P	17,000/ha for rice	P 10,950 for		
Income	P				
Expenditure	P/yr.				
Food Supply	P/yr.	from their production			
Subsidy by NG/ LGU					
Other Income					
a) fishing	P 50-150 / day for				
b) basket making					
c)					
d)					
Family : Total	7	Children			all children have their own family
Father		Female	Occupation	Male	Occupation
Occupation:	Farming			grandchildren-	
Mother				female 2	
Occupation:	Housekeeper			male-3	
Intension to Operate on:					
Right of Way :					
Irrigation Canal	Willing				
Road	Willing				
Tree belt	Willing				
Drainage	Willing				
Related Structure	Willing				
Flood	Willing				
Barrow Pit for Embankment	Willing				
Spoil Bank of Excavated Soil	Willing				
Problems/Comments/Suggestions					
	Financial				
	Corn field usually flooded during rainy seasons and thyphoon needs irrigation because water produced in the				

Date: 6-Oct-01
 Place Municipality: AMULUNG WEST
 Barangay: PALAYAG
 Landscape: N. L.

Time: 14:30 - 15:30

Interviewee: Jomard Tallud
 Sex/Age: Male / 30 yrs. Old
 Experience: 7 yrs.
 Interviewer: Kurauchi / Maderazo

Land	Area (ha)	Condition			Remarks
Lan					
a) Owned					
b) Purchased					
c) Leased Rental (owner & tenant)					
d) Mortgage					
e) Agrarian Reform					
Farming		Wet	Dry	3rd	
a) Planted nice	1-5		1-5		
b) Harvested					
c) Irrigated yes			0	0	
Cro					
a) Palay					
b) Corn					
c) Vegetables & others					
d) Fruit trees					
Yield (cavan/h)					
Production (cavan)					
cost(P)					
Sowing / Seeding					
a) Transplanting (seed bed)					
b) Broadcast (sabog- tanim)					
Variety		Quality	Cost	Source	
Rice		Cavan / ha			
HYV (High Yielding Variety)					
a)	RC 18				
b)				65	
TV (Traditional Variety)				1.6 m	1973 Seniang before Magat Dam
a)					
b)					
Cor					
HYV (High Yielding Variety)					
a)					
b)					
OPV (Open Pollinated Variety)					
a)					
b)					
TV (Traditional Variety)					
a) Native(white corn)					
b)					
Fertilizer : Commercial/ Chemical					
a) Urea	8 sacks/ha/ crop		transporting for 50k/sack		
b)					
c)					
d)					
e)					
Organic					
a)					
b)					
c)					
d)					
e)					
Pesticide/Insecticide/Herbicide					
a) Simbos	1.5 l/ha Spray		800 P/ lit.		
b)					
c)					
d)					
e)					
Labor	No. of Persons/ha	No. of Days/ha	Cost/Person	Remarks	
a) Sowing					
b) Harvesting					
Livestock	No	Cost			
a) Carabao	3				
b) Cattle					120P / day for ploughing
c) Hog					
Poultry					
a) Chicken	7	22,000.00 maximum			10 person/ha free llunch
b) Duck					
c) Turkey					
Machinery/Equipment					
a) Hand					
b) Tractor					
c) Rice					
d) Corn Sheller					
e) Mechanical					15 laborers /day
f) Multi Purpose					3cavans= 1can of cooking oil
g) Dying Yard		1 barangay			

h) Vehicle/Car				16/20 cavans threshers
Warehouse/ Storehouse				
Processing Facility				
Farm to market road condition				
Marketing	To whom do you sell	Where	Cost	
a) Palay	MYL Trading			
b) Corn		Tuguegarao		
c) Vegetables				
d) Fruit Trees				

Damages					
a) Drought		WVL go down - 1/2			0.6 m- 0.7m= 7 days-rainfall
b) Flood	Typhoon	Feria July 2001 - 1 1/2			
c) Heavy Rainfall					
d) Pest					
e) insect					
f) Others					
Farmers' Association : Name	Activity	Responsibility	Intension		
a) None	No				
b) None					
Loan / Finance : Source	Amount	Interest	Repayment	Tenant	
a) Traders of					
b)					
c)					
d)	1/2 pay seeds by DA				5% /monht diesel 15.35P/li. 120 lit./wet 240 lit. / dry
e)					
Output Gross Benefit	P				
Net Benefit	P				
Income	P	20,000 pesos			
Expenditure	P/yr.	1 pump only			23,000p
Food Supply	P/yr.				oil 3 lit./cropping 65p/lt.only dry
Subsidy by NG/ LGU					
Other Income					
a) fishing					
b) basket making					
c)					
d)					
e)					
Family : Total	7	Children			
Father		Female	Occupation	Male	Occupation
Occupation:	Farming			9 yrs	
Mother					
Occupation:	housekeeper				
Intension to Operate on:					
Right of Way :					
Irrigation Canal					
Road					
Tree belt					
Drainage					
Related Structure					
Flood					
Barrow Pit for Embankment					
Spoil Bank of Excavated Soil					
Problems/Comments/Suggestions					
		* no rain			
		* satisfied			

Date: 6-Oct-01
Place Municipality:
Barangay:
Landscape:

Time: 14:30 - 15:30

Amulung

Pacac Pequeno

Interviewee: Pacifico Banares

Sex/Age: Male/ 40 yrs. Old

Experience: 16 yrs.

Interviewer: Maring

Land	Area (ha)	Condition		Remarks
Lan				
a) Owned	1 ha.			
b) Purchased				
c) Leased Rental (owner & tenant)				
d) Mortgage	1/2 ha.			
e) Agrarian Reform				
Farming		Wet	Dry	3rd
a) Planted	1.5 ha.	1.5 ha.		
b) Harvested	1.5 ha.	1.5 ha.		
c) Irrigated	0.5 ha.	0.5 ha.		
Cro				
a) Palay	0.5 ha.	0.5 ha.		
b) Corn	1 ha.	1 ha.		
c) Vegetables & others				
d) Fruit trees				
Yield (cavan/h)	30-40 cavans for rice (0.5	40-45 cavans for corn in		
Production (cavan)				
cost(P)				
Sowing / Seeding				
a) Transplanting (seed bed)	0.5 ha.	0.5 ha.		(deepwell10 90 li. Diesel/ 6 li.
b) Broadcast (sabog- tanim)				
Variety		Quality	Cost	Source
Rice		Cavan / ha		
HYV (High Yielding Variety)				
a) C4	(1 cavan for planting)	750.00/40 kls.		DA/traders Tuguegarao
b) R128	1 cavan / 0.5 ha.	750.00/40 kls.		Da/traders
c) R118	1 cavan / 0.5 ha.	750.00/40 kls.		Da/traders
TV (Traditional Variety)				
a)				
b)				
Cor				
HYV (High Yielding Variety)				
a) Yellow Corn (Cargill)	1 bag	1,650.00/bag		traders
b)				
OPV (Open Pollinated Variety)				
a)				
b)				
TV (Traditional Variety)				
a)				
b)				
Fertilizer : Commercial/ Chemical				
a) Urea	2 cavans / 0.5 ha.	460.00/cavan		traders
b) Ammonium	2 cavans / 0.5 ha.	275.00/cavan		traders
c)				
d)				
e)				
Organic				
a)				
b)				
c)				
d)				
e)				
Pesticide/Insecticide/Herbicide				
a) Simbos	0.5 li.	350.00 / 0.5 li.		traders
b) Granule	0.5 bag	1,150.00/bag		traders
c)				
d)				
e)				
Labor		No. of Persons/ha	No. of Days/ha	Cost/Person
a) Sowing	6/0.5 ha.	0.5 day	100.00	
b) Harvesting				Thresher - 2.5 cavans / 50 cavans, rice - cavans/28
Livestock		No	Cost	
a) Carabao				
b) Cattle				
c) Hog	2	1,500 - 3,000 / pig		
Poultry				
a) Chicken				
b) Duck				
c) Turkey				
Machinery/Equipment				
a) Hand				
b) Tractor				
c) Rice				
d) Corn				
e) Mechanical				
f) Multi				
g) Dying Yard	(14 m x 28)	(15 x 28)		
h) Vehicle/Car				
Warehouse/ Storehouse				

Processing Facility				
Farm to market road condition				
Marketing	To whom do you sell	Where	Cost	
a) Palay	Traders	Tuguegarao	P 6 - P6.5 / kl	
b) Corn	Traders	do	P 6 - P 6.5 / kl	
c) Vegetables				
d) Fruit Trees				
Damages				
a) Drought	P6,000 - 7,000/0.5 ha.		5,000 for corn	1996-1997
b) Flood	Typhoon	6,000 - 7,000 / 0.5 ha. For	5,000 for corn	4-5 days
c) Heavy Rainfall	6,000 - 7,000 / 0.5 ha. For		5,000 for corn	
d) Pest	1997 (grasshopper)			
e) Insect	2001 (rats)			
f) Others				
Farmers' Association : Name	Activity	Responsibility	Intension	
a)				
b)				
Loan / Finance : Source	Amount	Interest	Repayment	Tenant
a) Traders	5,000 - corn		5% after harvest	
b)	7,000 - rice		5% do	
c)				
d)				
e)				
Output Gross Benefit	P			
Net Benefit	P			
Income	P	3,000.00		
Expenditure	P/yr.			
Food Supply	P/yr.	market		
Subsidy by NG/ LGU		none		
Other Income				
a) fishing	30/day (2 days in a week)			
b) basket making				
c)				
d)				
e)				
Family : Total	8	Children		
Father		Female	Occupation	Male
Occupation:	Farming	1	graders	5
Mother				
Occupation:	Housekeeper			
Intension to Operate on:				
Right of Way :				
Irrigation Canal	willing			
Road				
Tree belt				
Drainage				
Related Structure				
Flood				
Barrow Pit for Embankment				
Spoil Bank of Excavated Soil				
Problems/Comments/Suggestions				
	* financial			
	* needs irrigation because it is different to plant corn.			

Date: 6-Oct-01
Place Municipality:
Barangay:
Landscape:

Time: 16:15 - 17:00

Amulung
Pacac Pequeno

Interviewee Sotera Maguddayao
Sex/Age: M / 40 yrs. Old
Experience 15 yrs
Interviewer: Kurauchi/Mederazo

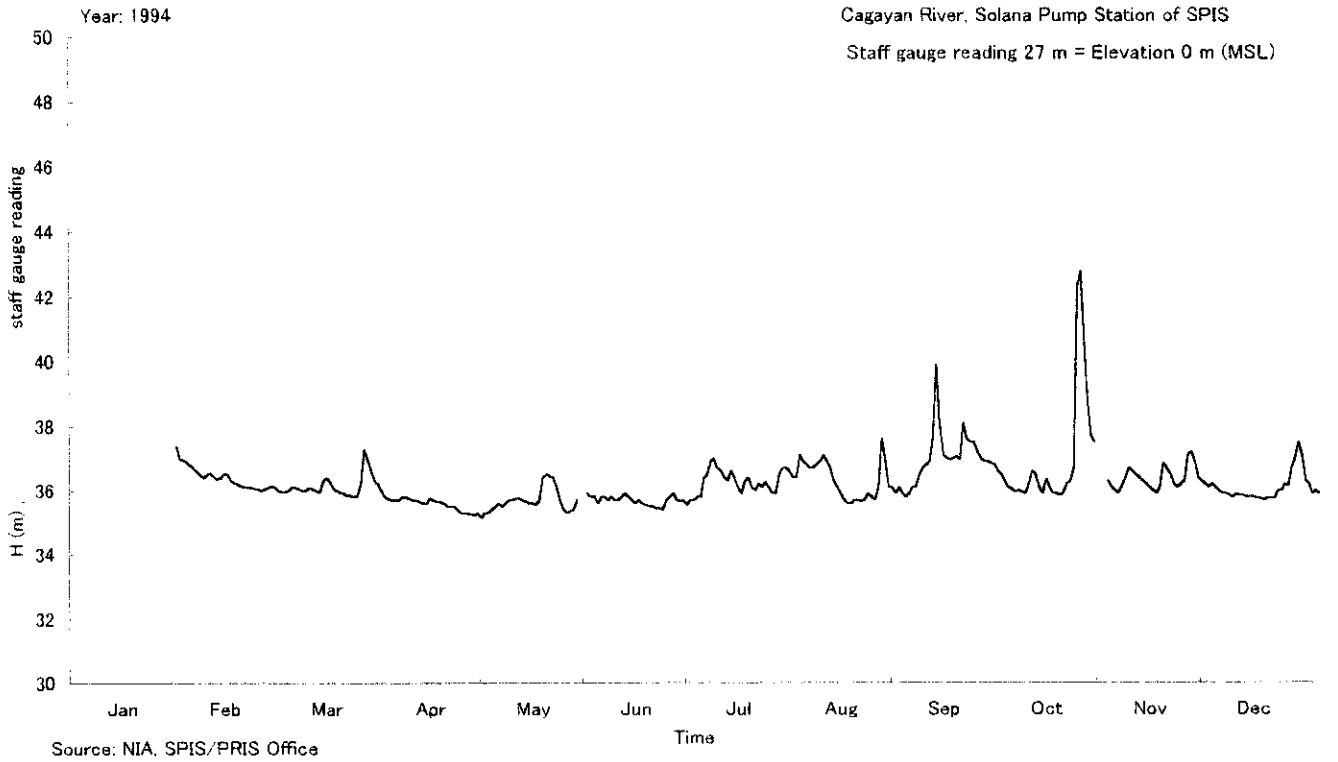
Land	Area (ha)	Condition			Remarks
Lan					Rice- 2.5 / Corn -3.25
a) Owned	1 ha. Owned				
b) Purchased					
c) Leased Rental (owner & tenant)	4.75/ha. / tenants - 2				
d) Mortgage					
e) Agrarian Reform	4 ha. Located here owned by Quintos & Andaya family in Tuguegarao				
Farming		Wet	Dry	3rd	
a) Planted	Rice- 2.5ha Corn- 3.25	Rice 2.5 Corn-3.25	not irrigated, it need not irrigated, it		
b) Harvested					
c) Irrigated					
Cro					
a) Palay					
b) Corn					
c) Vegetables & others					
d) Fruit trees					
Yiel	(cavan/h	Rice - 50 cavans/ha for wet season	Rice - 80 cavans / ha - minimum for dry season		soil not too good
d	a)				
Production	(cavan)	Corn - 20-30 cavans for wet season	Corn - 40-50 cavans / ha for dry season		
	cost(P)	Rice - 6/5 kl / Rice - 9.00 / Corn - 5/6 kl / Corn -			
Sowing / Seedling					
a) Transplanting (seed bed)	Rice planting	sabog Rice Corn - planting			
b) Broadcast (sabog- tanim)					
Variety		Quality	Cost	Source	
Rice		Cavan / ha			
HYV (High Yielding Variety)					
a) S-28					750P /40kl.
b) RC- 18					
c) C-4					
TV (Traditional Variety)					
a)					
b)					
Cor					
HYV (High Yielding Variety)					
a) Cargill 818	Yellow				2,000/ bag (40
b)					
OPV (Open Pollinated Variety)					
a)					
b)					
TV (Traditional Variety)					
a) Native(white corn)					
b)					
Fertilizer : Commercial/ Chemical					
a) Urea	3 bags per ha	4-5 bags / ha	445 per/bag = 50 kg.		
b) Ammonium	3 bags per ha		290 per/bag = 50 kg.		
c)					
d)					
e)					
Organic					
a)					
b)					
c)					
d)					
e)					
Pesticide/Insecticide/Herbicide					
a) Backster					
b) backster mixed with	2.0 lit/ha /crop		730 per/lit (or rice)		
c	1.0 lit./ha. Crop		90 per/kg - 18 kg.		
d)	1 bag/ ha.				
e)					
Labor		No. of Persons/ha	No. of Days/ha	Cost/Person	Remarks
a) Sowing planting	25 person / ha. (corn)				
	10 persons/ha (rice)			1,500peso	150p/person-day
b) Harvesting no					
Livestock		No	Cost		
a) Carabao	2		20,000.00		
b) Cattle			1,000.00		
c) Hog	1				
Poultry					
a) Chicken			100.00		
b) Duck					
c) Turkey					
Machinery/Equipment					
a) Hand			hire 800 p/ha. (2 days)		

b) Tractor				
c) Rice		hire 5 cavans / 100		
d) Corn		hire 15/ cavan		
e) Mechanical				
f) Multi				
g) Dying Yard		the barangay		
h) Vehicle/Car				
Warehouse/ Storehouse				
Processing Facility				
Farm to market road condition				
Marketing	To whom do you sell	Where	Cost	
a) Palay	MYL	Trading Co. Tuguegarao		
b) Corn	do			
c) Vegetables				
d) Fruit Trees				
Damages				
a) Drought		Corn harvest only 20%		
b) Flood	Typhoon	1998 lottery / all flooded	no harvest for Cagayan River (5 days)	
c) Heavy Rainfall				
d) Pest				
e) Insect				
f) Others				
Farmers' Association : Name	Activity	Responsibility	Intension	
a) No				
b)				
Loan / Finance : Source	Amount	Interest	Repayment	Tenant
a) Magno	12,000 - 15,000	5% / month		if cannot refund traders take
b) other		7% / month		
c)				
d)				
e)				
Output Gross Benefit	P			
Net Benefit	P			
Income	P			
Expenditure	P/yr.	25,000 - 30,000 p/yr		
Food Supply	P/yr.			
Subsidy by NG/ LGU		no		
Other Income				
a) fishing				
b) basket making				
c)				
d)				
e)				
Family : Total		Children		
Father	Female	Occupation	Male	Occupatio
Occupation:	2 - colleges		2	
Mother	1 - high school			
Occupation:	1 - elementary			
Intension to Operate on:				
Right of Way :				
Irrigation Canal				
Road				
Tree belt				
Drainage				
Related Structure				
Flood				
Barrow Pit for Embankment				
Spoil Bank of Excavated Soil				
Problems/Comments/Suggestions				
		* Yes, they all agreed to irrigation system because they need it very badly, it help a lot for the farmers.		
		* not satisfied in todays		
		* problem is the irrigation		

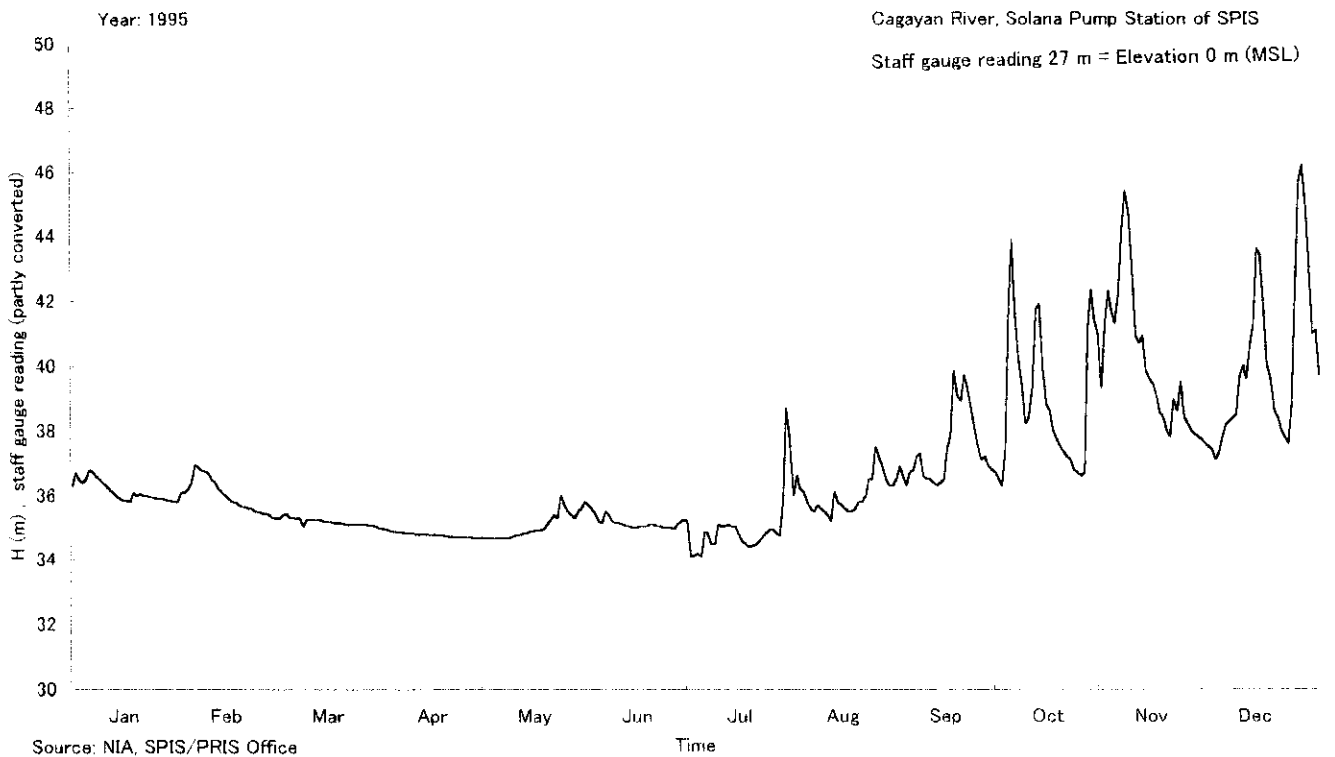
*The Feasibility Study of the Flood Control Project for
the Lower Cagayan River in the Republic of the Philippines
Final Report
Data Book*

LU-2 Daily Water Level Hydrograph

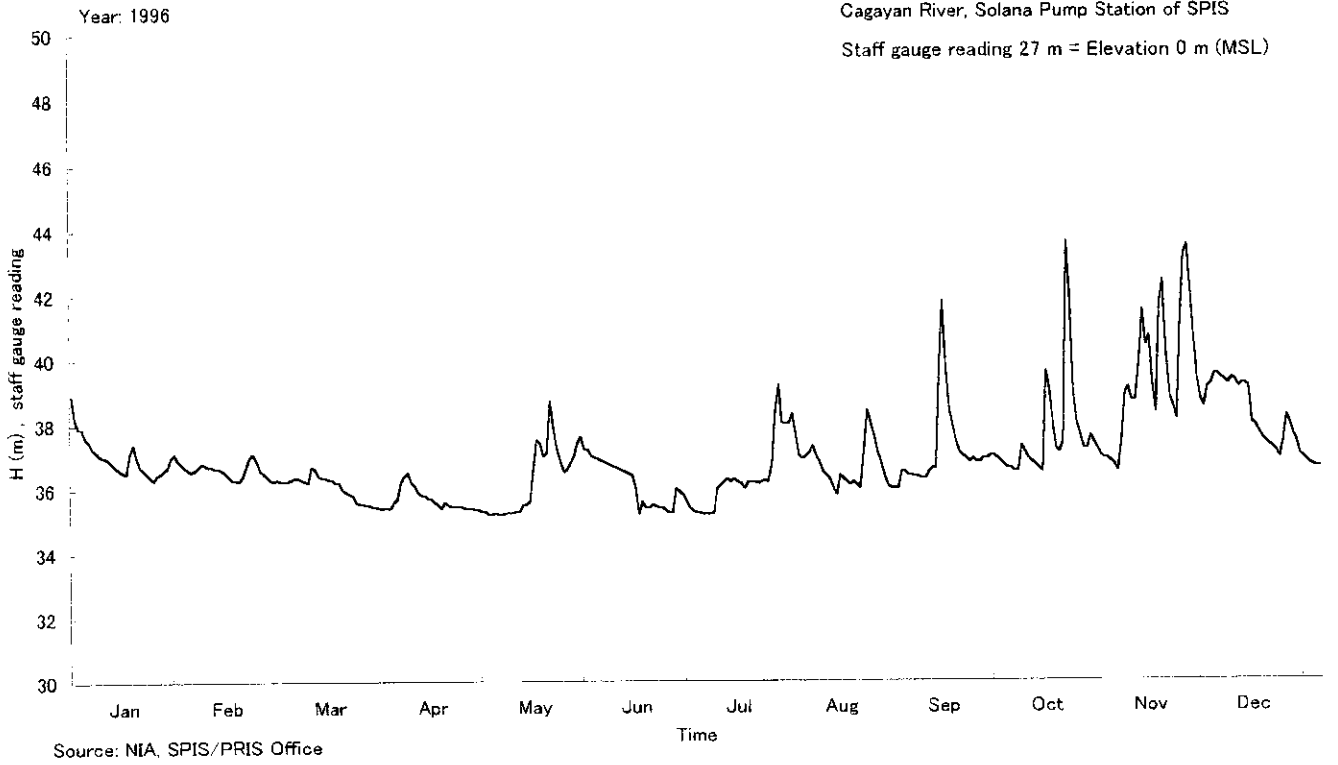
Daily Water Level Hydrograph



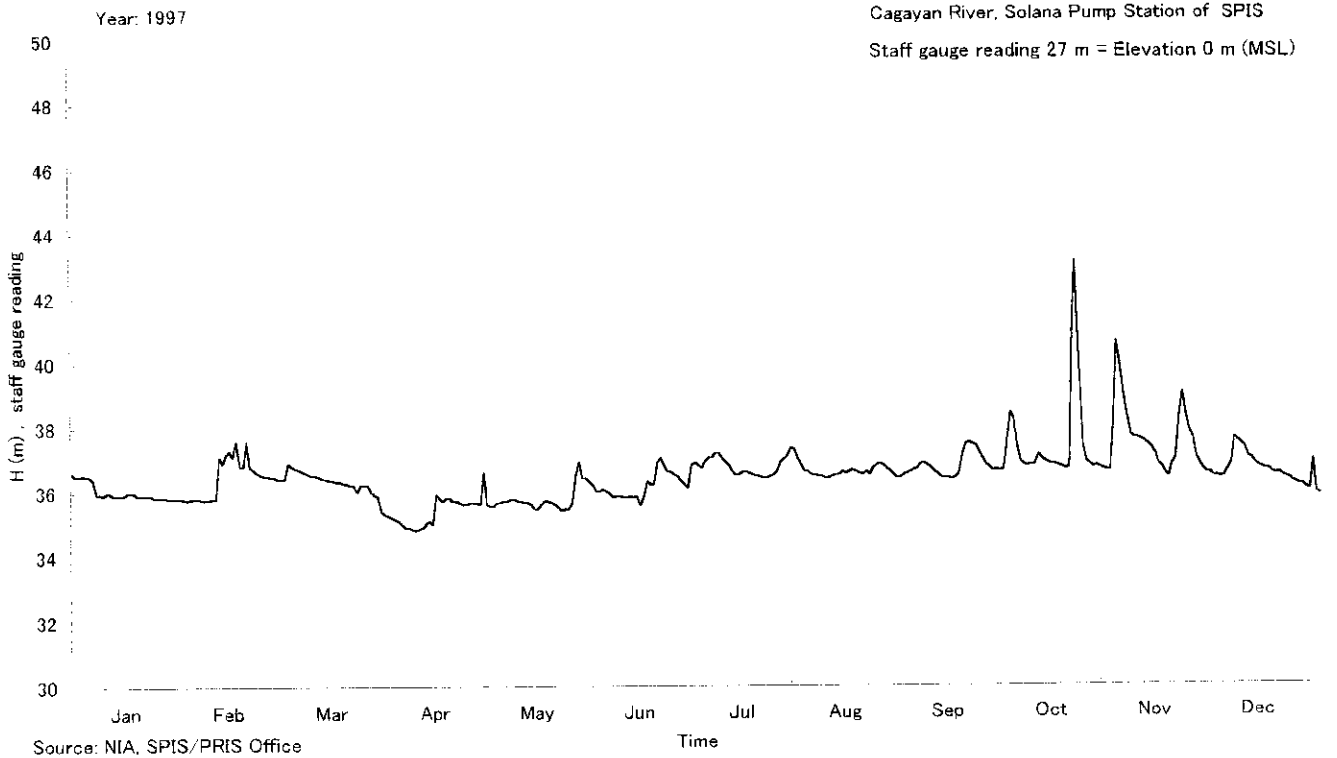
Daily Water Level Hydrograph



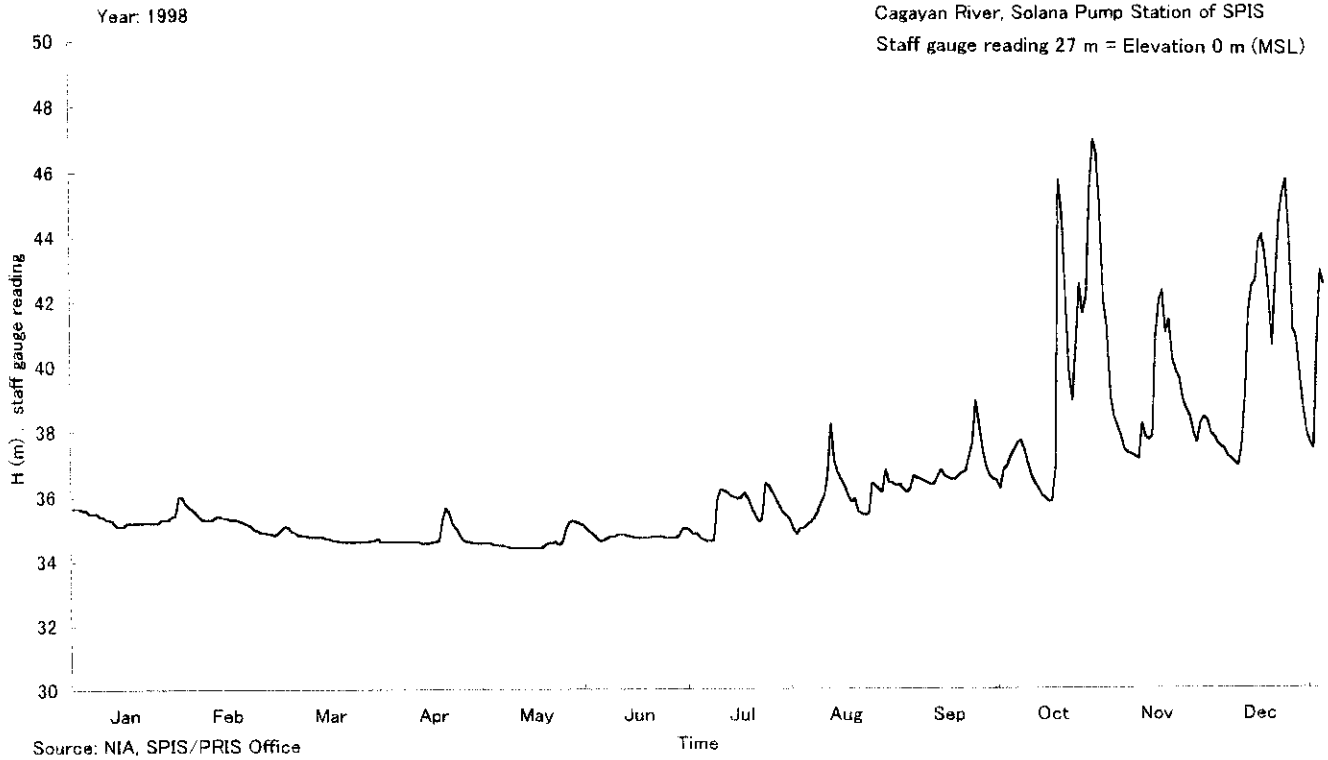
Daily Water Level Hydrograph



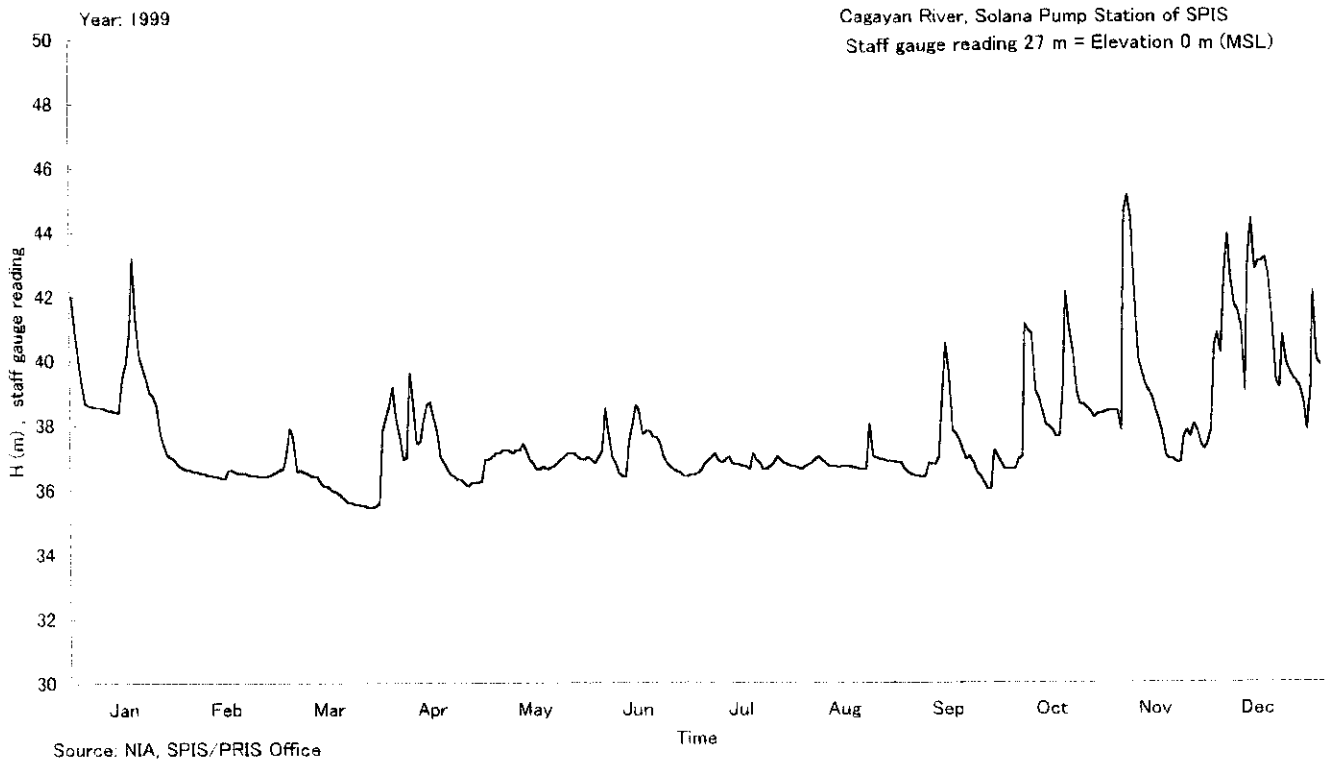
Daily Water Level Hydrograph



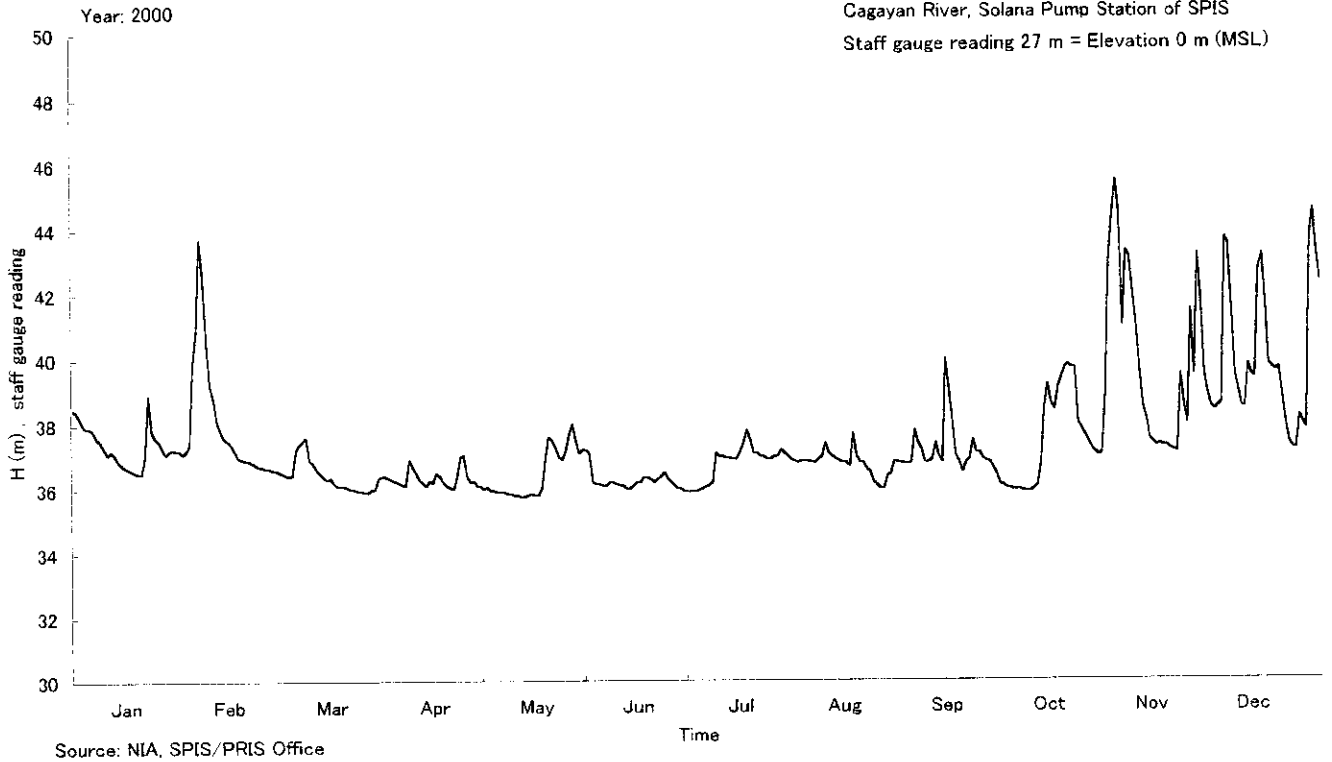
Daily Water Level Hydrograph



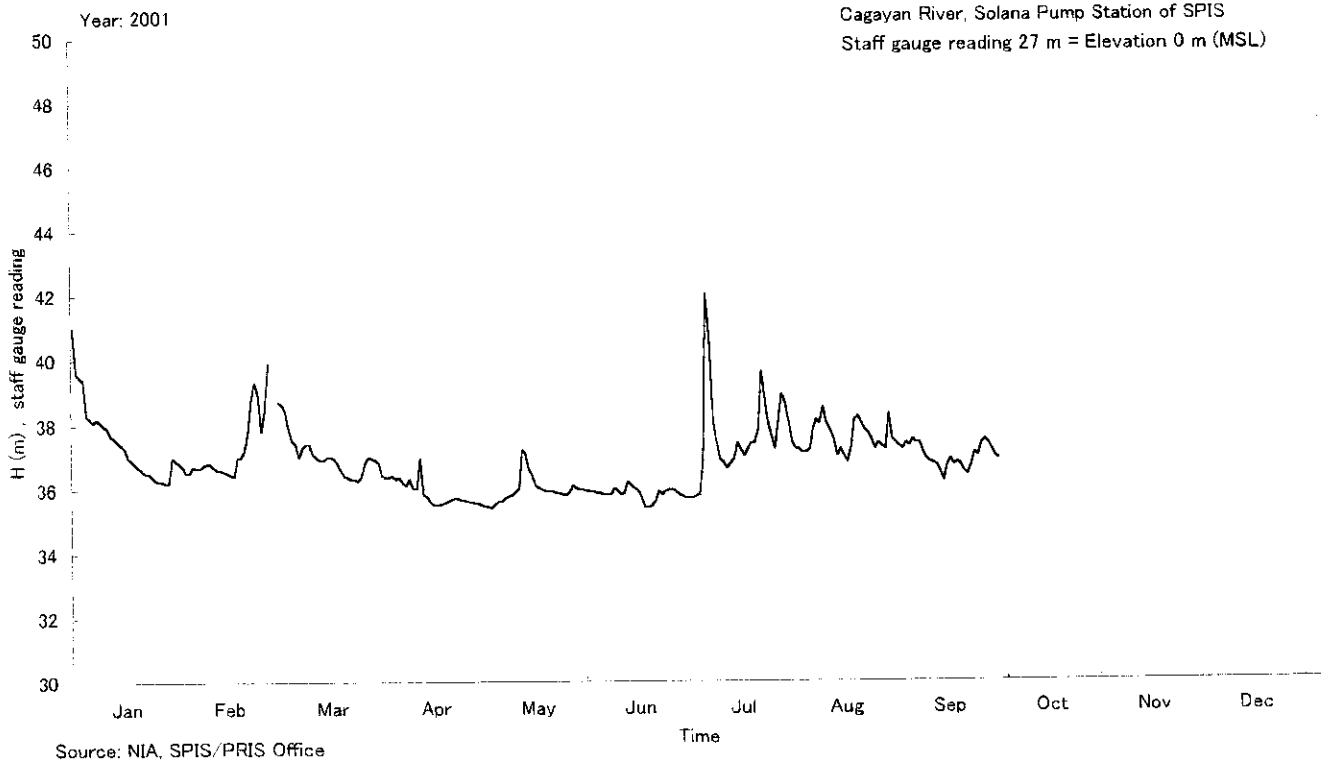
Daily Water Level Hydrograph



Daily Water Level Hydrograph



Daily Water Level Hydrograph



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LU-3 Inventory of CIS : CAR

**REGIONAL SUMMARY OF INVENTORY OF CIS
CORDILLERA ADMINISTRATIVE REGION
AS OF DECEMBER 31, 1999**

SYSTEM CATEGORY	NUMBER OF SYSTEM	SERVICE AREA (HAS.)	IRRIGATED AREA				C. I.
			W E T		D R Y		
			RICE	NON-RICE	RICE	NON-RICE	
1. OPERATIONAL							
AMORTIZING							
NIA - ASSISTED	239	12,090.160	6,557.980	1,727.400	6,149.730	1,541.850	132
SUB - TOTAL	239	12,090.160	6,557.980	1,727.400	6,149.730	1,541.850	132
NON - AMORTIZING							
NIA - ASSISTED	403	9,819.277	6,305.527	2,229.400	5,310.327	2,149.900	163
IMPLT'D, BY OTHER AGENCIES	38	1,221.950	453.680	231.000	257.990	198.000	93
PRIVATE	1,582	24,071.290	9,318.290	1,864.500	7,948.770	1,056.100	84
SUB - TOTAL	2,023	35,112.517	16,077.497	4,324.900	13,517.087	3,404.000	106
TOTAL	2,262	47,202.677	22,635.477	6,052.300	19,666.817	4,945.850	113
2. NON - OPERATIONAL							
NIA - ASSISTED	16	723.740	-	-	-	-	-
PRIVATE	7	324.000	-	-	-	-	-
TOTAL	25	1,115.740	-	-	-	-	-
GRAND TOTAL	2,287	48,318.417	22,635.477	4,324.900	19,666.817	3,404.000	104

REGIONAL-DEC 99

REMARKS :

1. The Low Cropping Intensity is attributed to some partially operational systems caused by damaged facilities.
2. Amortizing CISs who availed MC#27, s, 1991 were considered as non-amortizing.
3. 36 CISs are amortizing to the LGUs.

**PROVINCIAL SUMMARY OF INVENTORY OF CIS
PROVINCE OF IFUGAO
AS OF DECEMBER 31, 1999**

SYSTEM CATEGORY	NUMBER OF SYSTEM	SERVICE AREA (HAS.)	IRRIGATED AREA				C. I.
			W E T		D R Y		
			RICE	NON-RICE	RICE	NON-RICE	
1. OPERATIONAL							
AMORTIZING							
NIA - ASSISTED	40	2,411.000	1,745.000	-	1,562.000	-	137
NIA - ASSISTED(PAF)	17	820.000	630.000	-	544.000	-	143
SUB - TOTAL	57	3,231.000	2,375.000	-	2,106.000	-	139
NON - AMORTIZING							
NIA - ASSISTED	8	236.000	153.000	-	118.000	-	115
IMPL'T'D. BY OTHER AGENCIES	295	2,714.000	1,357.000	-	1,086.000	-	90
PRIVATE	320	3,570.000	2,097.000	-	1,616.000	-	104
SUB - TOTAL							120
TOTAL	377	6,801.000	4,472.000	-	3,722.000	-	120

IFUGAO-DEC 99

**PROVINCIAL SUMMARY OF INVENTORY OF CIS
PROVINCE OF APAYAO
AS OF DECEMBER 31, 1999**

SYSTEM CATEGORY	NUMBER OF SYSTEM	SERVICE AREA (HAS.)	IRRIGATED AREA				C. I.
			W E T		D R Y		
			RICE	NON-RICE	RICE	NON-RICE	
1. OPERATIONAL							
AMORTIZING							
NIA - ASSISTED	23	1,529.000	1,014.000	-	1,004.000	-	132
SUB - TOTAL	23	1,529.000	1,014.000	-	1,004.000	-	132
NON - AMORTIZING							
NIA - ASSISTED	6	445.000	395.000	-	302.000	-	157
PRIVATE	19	1,131.000	565.500	-	258.800	-	73
SUB - TOTAL	25	1,576.000	960.500	-	560.800	-	97
TOTAL	48	3,105.000	1,974.500	-	1,564.800	-	114
2. NON - OPERATIONAL							
NIA - ASSISTED	3	139.000	-	-	-	-	-
PRIVATE	3	110.000					
TOTAL	6	249.000					
GRAND TOTAL	54	3,354.000	1,974.500	-	1,564.800	-	106

APAYAO-DEC 99

**PROVINCIAL SUMMARY OF INVENTORY OF CIS
PROVINCE OF KALINGA
AS OF DECEMBER 31, 1999**

SYSTEM CATEGORY	NUMBER OF SYSTEM	SERVICE AREA (HAS.)	IRRIGATED AREA				C. I.
			W E T		D R Y		
			RICE	NON-RICE	RICE	NON-RICE	
1. OPERATIONAL AMORTIZING							
NIA - ASSISTED	14	1,233.000	492.000	-	362.500	-	69
SUB - TOTAL	14	1,233.000	492.000	-	362.500	-	69
NON - AMORTIZING							
NIA - ASSISTED	29	1,357.000	1,102.000	-	245.400	-	99
IMPLT'D. BY OTHER AGENCIES	18	633.950	285.280	-	126.790	-	65
PRIVATE	89	3,695.550	1,478.220	-	739.110	-	60
SUB - TOTAL	136	5,686.500	2,865.500	-	1,111.300	-	70
TOTAL	150	6,919.500	3,357.500	-	1,473.800	-	70
2. NON - OPERATIONAL							
NIA - ASSISTED	2	72.000	-	-	-	-	-
IMPLT'D. BY OTHER AGENCIES	2	68.000	-	-	-	-	-
PRIVATE	4	214.000	-	-	-	-	-
TOTAL	8	354.000	-	-	-	-	-
GRAND TOTAL	158	7,273.500	3,357.500	-	1,473.800	-	66

KALINGA-DEC 99

**PROVINCIAL SUMMARY OF INVENTORY OF CIS
MOUNTAIN PROVINCE
AS OF DECEMBER 31, 1999**

SYSTEM CATEGORY	NUMBER OF SYSTEM	SERVICE AREA (HAS.)	IRRIGATED AREA				C. I.
			W E T		D R Y		
			RICE	NON-RICE	RICE	NON-RICE	
1. OPERATIONAL AMORTIZING							
NIA - ASSISTED	28	399.500	298.000	49.000	345.500	49.000	186
SUB - TOTAL	28	399.500	298.000	49.000	345.500	49.000	186
NON - AMORTIZING							
NIA - ASSISTED	99	2,893.400	1,110.500	900.000	1,459.900	918.000	152
IMPLT'D. BY OTHER AGENCIES	4	22.000	15.400	-	13.200	-	130
PRIVATE	722	5,142.000	2,313.900	241.500	2,056.300	241.500	94
SUB - TOTAL	825	8,057.400	3,439.800	1,141.500	3,529.900	1,159.500	115
TOTAL	853	8,456.900	3,737.800	1,190.500	3,875.400	1,208.500	118
2. NON - OPERATIONAL							
NIA - ASSISTED	8	475.500	-	-	-	-	-
TOTAL	8	475.500	-	-	-	-	-
GRAND TOTAL	861	8,932.40	3,737.80	1,190.50	3,875.40	1,208.50	112

MT. PROVINCE-DEC 99