

TCN 12257
PDAEK109



SHARED CONTROL OF NATURAL RESOURCES (SCOR)

**International Irrigation Management Institute (IIMI)
Sri Lanka Country Programme
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SCOR seeks to increase the users' share of control of natural resources in selected watersheds through partnerships between the state and users that contribute to greater production while conserving the natural resources base. SCOR will promote integrated planning for the use of land and water resources in two pilot watersheds with spread effects to other areas. The SCOR project is a collaborative effort of the Government of Sri Lanka, the United States Agency for International Development (USAID) and the IIMI.

PD-ABK-109

SCOR PROGRESS
2nd Quarter
1994

August 1994

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1. INTRODUCTION

SCOR Project completed the second quarter of 1994 with increased volume of activities in participatory planning, group formation, training and mobilisation for action. This report presents the physical and financial progress achieved by the SCOR project during the Second quarter ending on 30th of June 1994.

This presentation of SCOR progress characterizes the current status of the performance of the project in a summary form using a set of strategic and performance level indicators and a format that gives details by activities. Reference is given to relevant documents that are available in report form to give details of the process and quality of achievement in respect of major events of performance. Such documents can be made available for reference on request from the two pilot watershed project offices.

The structure of the progress reporting in this report is of four levels of aggregation. At the highest level of aggregation, progress is reported by strategic level indicators in a summary form. The next level is the programme outcome level that gives more details of output and possible effects. The third level presents a set of indicators allowing a quick look on direct outputs realized. The fourth level is the lowest level of data presentation by activity with remarks explaining the figures there in, referring to documents that carry further details of the activity and process involved.

2. PROGRESS IN SUMMARY BY STRATEGIC AND PERFORMANCE INDICATORS

2.1 Progress by strategic indicators

The strategic indicators characterize realizable effects of the interventions within the project period in relation to broad strategic objectives within which the project is placed by the sponsoring agency. The three strategic objectives are,

- SO1. Economic Growth,
- SO2. Environment, and
- SO3. Democracy.

The life of project target (LOP TARGET) relates to the target set for the first phase of two years since the current agreement covers only the first phase.

Table 1 presents the progress by strategic level indicators.

Table 1

PROGRESS BY STRATEGIC LEVEL INDICATOR

STRATEGIC LEVEL INDICATOR		UNIT	BASE YR.VALUE		LOP TARGET	TOTAL TO DATE	CY 94 ACTUAL / PLAN
SO2	<i># of targeted hectares under improved production & conservation techniques through joint management</i>	hec.	92	0	3,000	567	567/1500
SO1	<i>% of value of targeted investments by the resources users on environmentally sound production practices</i>	%	92	0	100%	100	100%/30%
SO3	<i># of targeted resources user organizations enjoying user rights through state-user partnerships under regulatory procedure or organizational change</i>	#	92	0	20	24	24/20
SO3	<i># of policy/procedure or organizational changes exacted and realized to increase shared control</i>	#	92	0	6	1	1/3

LOP TARGET = Life of Project Target (First phase of two years).

TBD = To Be Determined.

Explanatory Notes for Table 1

STRATEGIC LEVEL INDICATOR		CY 1994		REFERENCE ACTIVITY ITEM NUMBERS		REMARKS
		ACTUAL/PLAN				
		HURULU- WEWA	NILWALA	HURULUWEWA	NILWALA	
SO2	<i># of targeted hectares under improved production & conservation techniques through joint management</i>	492/1500	75/1286	1.1b, 1.1c, 2b, 2c, 2d, 3b, 3c, 3d, 4a	1.3.7, 2.1.5, 3.1.1.3a, 3.1.2, 3.2.1.2, 3.2.5	This achievement relates to conservation farming, Homestead development, streames and tank eco systems in Huruluwewa and conservation farming in tea, paddy and agroforestry, and stream gardening Nilwala watershed.
SO1	<i>% of value of targeted investments by the resources users on environmentally sound production practices</i>	100		4f, 4b		This number relates to the % of usr grants utilized by the user groups in the two watersheds.
SO3	<i># of targeted resources user organizations enjoying user rights through state – user partnerships under regulatory procedure or organizational change</i>	24				These are existing organizations participating in the decision making process of the Watershed Resources Management Committee (WRMT) which enjoys the right to approve SCOR work plan and to sanction user grants upto the value of Rs. 25,000. New system level organization has been formed with 11 farmer organizations in the feeder canal area.
SO3	<i># of policy/procedure or organizational changes enacted and realized to increase shared control</i>	1/3	1/3			A state bank accepted in principle a new arrangement of granting loans 4 time more than the deposit to user organizations for mini – projects implemented under shared control. Work is in progress to prepare necessary documents to be submitted to the Ministry of Lands.

2.2 Progress by program outcome level indicators

These indicators characterize the activity status in the context of the direct output and realizable effects in the short run. The program outcome level indicators are categorized under the relevant strategic level indicators. The indicators are reproduced separately to give the details by watershed together with remarks that describe the activity status in greater detail. The reference number of the activity as it appears on the activity plan is also given to relate progress in much more details in respect of the planned output, location and target set for the year.

Table 2 presents the progress by program outcome level indicators.

3. PROGRESS BY MAJOR OUTPUT INDICATORS

Table 3 presents the progress by major promised output in a summary form. The indicators directly relate to the output as indicated on page 21 to 24 in the SCOR technical report.

Table 2

PROGRESS BY PROGRAM OUTCOME LEVEL INDICATOR

PROGRAM OUTCOME LEVEL INDICATOR	UNIT	BASE YR. VALUE	LOP TARGET	TOTAL TO DATE	CY 94 ACTUAL / PLAN
SO2.PO1 # of targeted hectares under production with land and water conservation practices	hec.	92 0	3,000	567	567/1500
SO2.PO2 # of resources user groups engaged in production and conservation practices	#	92 0	150	124	124/150
SO2.PO3 % of area covered by interventions for production and protection in the model sub-watersheds	%	92 0	100%	TBD	
SO2.PO4 # of resources users trained in organization and resource use planning and management	#	92 0	600	4232	3002/600
SO2.PO5 # of officials trained in local level planning, user group formation, support and collaboration	#	92 0	80	381	104/80
SO2.PO6 # of landleasing/usufruct process facilitating commercial activity	#	92 0	52		/17
SO2.PO7 # of hectares of targeted area covered by agreements between GSL & Local user groups	hec	92 0	3000		
SO2.PO8 # of targeted farm households using improved environmental techniques (cumulative)	#	92 0	4000	1645	1645/1500
SO1.PO1 # of new commercial activities supported by linking to markets, providing with matching grants or organization	#	92 0	50	15	15/50
SO1.PO2 # of small grants made to user groups to invest into common user group assets	#	92 0	152	22	22/50
SO3.PO1 # of resources user organizations involved in planning taking joint responsibility for management of land and water resources	#	92 0	20	24	24/20
SO3.PO2 # of user organizations conferred with legal status and powers	#	92 0	20	16	16/20
SO3.PO3 # of NGOs and private sector agencies providing technical, managerial and commercial information to user groups	#	92 0	8	5	5/8

Explanatory Notes for Table 2

PROGRAM OUTCOME LEVEL INDICATOR	CY 1994		REFERENCE ACTIVITY		REMARKS
	ACTUAL/PLAN	HURULU - NILWALA	ITEM NUMBERS		
	WEWA		HURULUWEWA	NILWALA	
SO2.PO1 # of targeted hectares under production with land and water conservation practices	492/1500	75/1286	1.1.b, 1.1.c, 2b, 2d, 3b, 3c, 3d, 4e, 4f, 4b	1.1.1, 1.1.2, 1.1.2.5, 1.2.1.2, 3.1.1, 3.2.2	16 ha of conservation farming in chena lands, 16 ha in homesteads, 2 ha. in channels, steams, and tank bunds, and 9 ha. in tank eco-systems in Huruluwewa.
SO2.PO2 # of resources user groups engaged in production and conservation practices	49/75	6/75	8.1	1.1.3.1, 1.2.1.2, 1.4.1, 2.1, 2.2.1, 2.3, 2.4.1, 2.4.2, 2.5, 3.2.4, 4.1, 4.3	8 types of production and protection activities in Huruluwe and 15 types of activities in Nilwala watershed. source Group database.
SO2.PO3 % of area covered by interventions for production and protection in the model sub-watersheds	T B D				
SO2.PO4 # of resources users trained in organization and resource use planning and management	2482/300	520/300	Training database	Training database	The number represents the total number of training opportunities provided for the resources users under the relevant subject areas. The target set has to be revised.
SO2.PO5 # of officials trained in local level planning, user group formation, support and collaboration	78/40	26/40	Training database	Training database	This number relates to the number of training opportunities made available to officers. One officer could have received training on different subjects on different occasions.
SO2.PO6 # of land leasing/usufruct process facilitating commercial activity				Grant Database	
SO2.PO7 # of hectares of targeted area covered by agreements between GSL & Local user groups	NP	NP			Not planned for the quarter.
SO2.PO8 # of targeted farm households using improved environmental techniques (cumulative)	631	1014	Group database	Group database	# of families in groups undertaking some production and conservation activities.
SO1.PO1 # of new commercial activities supported by linking to markets, providing with matching grants or organization	6/25	9/25	Grant database	Grant database	Commercial activities ranging from floriculture, apiculture, milk marketing, Kitul treacle marketing, Coir rope, sacks making, seed paddy production, Collecting of Mee seed, marketing Mee oil, plant nurseries, fruit marketing.
SO1.PO2 # of small grants made to user groups to invest into common user group assets	1/75	21/75	Grant database	Grant database	Grants for seed paddy production, plant nurseries, coconut cultivation, stream and forest reservations protection in Nilwala and cultivation of other field crops in Huruluwewa.
SO3.PO1 # of resources user organizations involved in planning taking joint responsibility for management of land and water resources	16/10	/10		4.2, 1.5,	Three Organizations from feeder canal joined the decision making process of the WRMT. This refers to the 16 existing organizations in Huruluwewa being members of the legally constituted organizations. They have the authority to approve the SCOR workplan for the watershed and to sanction user grants upto the limit of Rs. 25,000/grant.
SO3.PO2 # of user organizations conferred with legal status and powers	16/10	/10			
SO3.PO3 # of NGOs and private sector agencies providing technical, managerial and commercial information to user groups	4	1		1.5	ITDG is helping in studying the feasibility of the mini hydro power plant to be set-up at Mugunumulla in Nilwala watershed. Trade Chambers Ltd. is helping the Meegaswewa user groups to form a company to produce medicinal herbs and extract oil from sesame seed, margosa seed and mee seed for export as a commercial activity undertaken to diversify production while conserving land and water. CARE international, SANASA, and Lanka canaries are the other three organizations supporting Huruluwewa resources.

Table 3

PROGRESS BY MAJOR OUTPUT INDICATORS

OUTPUT TARGETS/PERFORMANCE		LOP TARGET	TOTAL END OF 2nd QTR.	%	REMARKS
1	# of user groups formed	150	124	83	71 (NILWALA), 53 (HURULU)
2	# of representatives of user groups trained	600	728	121	380(NILWALA), 348 (HURULU)
3	# of User Organizations	20	24	120	Existing organizations linked.
4	Representatives of User Organizations trained	75	854	1139	154 (NILWALA),700 (HURULU) This includes representatives of existing organizations
5	# of Sub-user councils	2			
6	Representatives of User Sub-councils/councils trained	8			
7	# of small grants made to user groups to invest into common user group assets	150	22	15	One in Huruluwewa, 21 in Nilwala
8	# of user organizations conferred with legal status and powers	20	16	80	These are existing organizations participating in decision making in WRMT that has authority conferred to approve the SCOR work plan and to approve user grants upto Rs.25,000/grant.
9	Modes of commercial opportunities developed and/or supported for user groups	10	9	90	Sale of medicinal herbs, Mee seeds and oil, fruits, cut flower, kithul treacle, milk marketing, curd making, sale of plants, production of Jak seed chips, are being developed as viable commercial opportunities.
10	Production companies established and linked to new markets	2		0	The first farmers production company is being organized.
11	# of rural based commercial activities linked to new markets and provided with matching grants	50	21	42	One in Huruluwewa and 21 in Nilwala watershed
12	Land leasing/usufruct processes facilitating establishment of (1) production companies	2		0	Negotiations with Ministry of lands
13	(2) Commercial activities	50		0	in progress.
14	Demonstrations of authorizing user groups, joint consolidated land management/production systems in minor tanks	5	2	40	This work involves a continuing process that has now been started.
15	Training of officials in local level planning, user group formation, support and collaboration Total	80	381	476	This number indicates the number of training opportunities offered to officers. The same officer may have received different training at different occasions.
16	# of NGOs and other private sector organizations providing technical managerial and commercial information to user groups	8	5	63	ITDG helps Nilwala resources users on feasibility of a mini-hydro power project. Colombo trade Chambers, Sri Lanka Canaries, SANASA, and CARE supports Huruluwewa resources users.

LOP = Life of Project Target

4. PROGRESS UNDER MAJOR INTERVENTIONS

HURULUWEWA WATERSHED

4.1 Stabilization of Chena and Encroached State Lands

The approach adopted under this intervention during the first quarter was to increase awareness among the resources users in the chena and encroached state lands, on the need and advantages of conservation farming for production, and protection of the resources base. During the second quarter, 408 resources users were trained in conservation farming and resources use planning.

Two new conservation interventions have been introduced. Mulch farming using rice straw was tried on 46 demonstrations in farmer plots to mitigate moisture stress and save irrigated water in 2.9 hectares. Marking contour lines for conservation bunds was adopted by farmers in 16 hectares, and a nursery to raise 80,000 Glirisdia plants has been established.

4.2 Regenerate Tank Eco-system

Resources users have been mobilized to demarcate the reservations of Mahameegaswewa, Padikaramaduwa, Puwakpitiya, and Ichchanthottama tanks. Establishment of nurseries to raise plants has been undertaken. A survey of tree species of Kattakaduwa is in progress. Baseline survey regarding the tree species of Mahameegaswewa and Padikaramaduwa has been conducted. Reservation of Yan Oya has been demarcated in mahameegaswewa area for conservation.

4.3 Integrated Water Management

Although the cultivation of other field crops in the Huruluwewa command could not be conducted as planned partly due to the non availability of Soya seeds, in few minor tanks this was successfully undertaken. Mahameegaswewa, Puwakpitiya and Kokawewa minor schemes had 32 acres under Mung bean, big onion, maize and chilies very successfully with the adoption of the new technique of mulching with rice straw as SCOR intervention while conserving the available water in the tanks.

Measuring of water flow at 20 points in the feeder canal, command area, and in Yan Oya to assess the present rates of water use and quality of irrigation management continued.

4.4 Sharing resources for improved homestead

Tract 6 of Huruluwewa command has been selected for this intervention due to its specific problem of water deficiency and related problems needing solutions. Due to SCOR activities the membership of women in the Women's organization of tract 6 increased from 66 to 200. According to the resources use pattern 25 small groups have been formed within this organization. Ten different activities have been undertaken by these groups including home gardening, animal husbandry, rice processing, curd making, crop diversification, plant nursery and reservation protection, combining activities for production and protection of water and land resources.

4.5 Ground Water Development and Management

A research activity to gain knowledge on ground water as a resource continued and a volume of data has been collected and analyzed with useful observations.

4.6 Land Consolidation in Minor Tanks

Two task forces have been formed for Padikaramaduwa and Kokawewa tanks consisting of officers working for the development of the two tanks. A questionnaire has been tested with satisfactory responses from the farmers. The core group consists of SCOR team leader, the lower watershed coordinator, two Asst. Commissioners and senior technical officers of the Department of Agrarian Services, and the Asst. Director of agriculture.

4.7 Integrated Planning and Coordination

Initial organization work has been carried out during the second quarter to this end. Sub watershed resources management groups have been formed and the political leadership of the Pradeshiya sabha and the Provincial Council including the Chief Minister has been briefed about the concepts and approaches of SCOR. NGOs have been involved in the Watershed Resources Management Team as a forum for collaboration.

4.8 Organizing user groups/organizations/sub-councils and councils for production, protection and related services

During the quarter, 22 user groups have been formed for homestead development and stabilized farming in chena lands. Fifty three user groups are engaged in production and protection activities at present. The farmer organization of tract 6 was linked with Lanka Canneries Ltd. for marketing. Two groups have been trained in producing quality rice processing and mushroom cultivation. A system level farmer organization has been formed with 11 farmer organisations in the feeder canal area.

NILWALA WATERSHED

4.9 Shared management of Land and Water Resources

Nine user groups had been formed, 6 nurseries established, 27406 plants raised and 3511 have been planted by user groups as at end of the second quarter. The targeted 19 kilometres of stream reservations had been identified and mapped ahead of target and now model stream gardens have been established covering 18.5 km (34 ha). An NGO has been formed by the name Dothalugala Heritage in Aninkanda sub-watershed to undertake work in production with protection. A mini project has been formulated for developing stream gardens in the sub-watershed.

Two user organizations have been formed and support planned for two mini-hydro power projects. A user group formed for the planning of the mini hydro power project collected relevant data requested by the supporting NGO (ITDG) for the designing of the project. About 90% of the computerization of the data from the resources use in the two model production and conservation areas has been completed.

4.10 Sharing resources for improving homesteads

Site specific recommendations have been given to user groups involved in homestead land conservation and production practices by mobilising support from the officials of the Department of Agriculture. 36 users were trained in plant propagation. 10 bee colonies had been established and a nectar survey has been carried out by the department. 40 locations for api culture have been identified ahead of target.

Training with demonstration on the growing of health foods was conducted by the Ministry of Environment and Parliamentary Affairs on request of SCOR project. As a result, 12 compost heaps have been already established by the farmers. Pasture strips had been established in 500 meters long stream banks.

Improved packaging and dehydration techniques have been introduced for value added production. Collective work improved the bargaining capacity of the Kitul treacle producers and ensured a fair purchase price to their product for the first time during the new year festive season.

4.11 Improve Tea Paddy Culture

Study of the tea and paddy production and productivity, and the inter relationship between tea paddy culture in the context of sticking a balance between production and protection is envisaged under this intervention.

Annasidola anicut which was a remarkable achievement of the scor mobilizing capacity during the first quarter, received continued attention of the Department of Agrarian Services and the repair contract has been awarded to the farmer organization.

Conservation practices have been undertaken in all the planned locations in 46 ha, to avoid draining run off water into paddy fields.

Registered seed paddy and fertilizer had been arranged for the seed farmers in 46 hectares.

4.12 Organize groups for improved production, protection, marketing and related services

Seven user groups were awarded with small grants worth of Rs. 30,000 during the quarter. Three multi activity sub watershed level organizations have been formed.

4.13 Integrated planning and coordination

A series of workshops are being designed involving the sub-watershed resources management working groups to participate in the Integrated planning and coordination process.

5. DETAILED PHYSICAL PROGRESS BY WATERSHEDS BY ACTIVITIES

This section of the report presents the detailed physical progress of Huruluwewa and Nilwala watersheds by activities under each intervention.

SCOR PROJECT - HURULUWEWA
QUARTERLY PHYSICAL PROGRESS
2 nd QUARTER 1994

MAJOR INTERVENTION AND ACTIVITIES	OUTPUT	LOCATION	TARGET FOR	ACHIEVE-	PRO-	1994	ACHIEVE-	PRO-	REMARKS
			2nd QTR '94	MENT FOR 2nd QTR '94	GRESS %	TARGET	MBENTS TODATE OF 1994 TARGET	GRESS %	
(1) STABILISATION OF CHENA AND ENCRoACHED STATE LANDS									
1.1 (a) Conservation farming Awareness Programme									
Training Of Officers	Officers -125	K K, M W, D W, E W	13	5	24	50	135	276	
Users	Farmers 1000		125	539	431	350	1345	354	
Demonstrations	15	T6, MDW, MRW, SD	2	4	767	8	28	350	
Workshops	14	MD, MW, EH, HSI				1	0	0	
Visits Field Days	Farmers 1000	SILN, CA	300	0	0	500	15	3	
School Programmes	Awareness created among school children						5	0	
(b) Stabilisation of chenas	20 Ha from each User Groups (2000 ha)		300	3725	12	550	5325		10 Mahameegasawa - 5Ac, Puwakpitrya - 8Ac, Angunawelpessa - 75Ac, Kelekumbukwewa - 5Ac Marking contour bunds has already been commenced Gliricidia nursery to raise 50,000 plants has been established RUGs have been formed and they have been briefed about the programme
(c) Conservation of Channels, Roads, Streams & Tank Bunds									
Channels Km	30 k m	Part of LB and RB - Huruluwewa and Feeder Channel	2	0	0	3	0.5	17	
Roads Km	15 k.m	Some distance within the Watershead	2	0.5		3	0.75	25	
Streams Km	25 k.m	Some Distance of Yan Oya	3.5	0.5	14	6	0.75	13	Demarcation of the reservation boundaries are in progress Discussion are in progress regarding user fructuary rights Varieties & special species have been identified.
Tank Bunds	05 k m	Huruluwewa, Mahadivulwewa and some small Tanks in command Area	0	1			1.25		Padikaramaduwa & Ichchantottama tanks
(2) REGENERATE TANK ECU SYSTEM									
(a) Awareness Programme									
Demonstration Established	1 Demonstration	Huruluwewa	15	0	0	1	1	100	
Training Officers	Officers 30	Kiulekadawewa	0	0		30	28	93	
Users	Farmers 1000	Mahadivulwewa	0	12		1000	272	27	
		Meegasawewa	0	0					
		Hirwadunna Wewa	0	0					
		Thalkote Wewa	0	0					
		Maha Rambawa Wewa	0	0					
School Programme	Schools - 22	Schools	3.5	0	0	9	4	44	
Students	Students - 3750	Students	1075	0	0	1550	59	4	
Visits Field Days	Farmers 500		100	0		400	0		
(b) Conservation of chenas in Catchments	320 ha	Huruluwewa	0				9		
		Kiulekadawewa	0						
		Mahadivulwewa	0						
		Meegasawewa	0						
		Hirwadunna Wewa	0						
		Thalkote Wewa	0						
		Maha Rambawawewa	0						

MAJOR INTERVENTION AND ACTIVITIES	OUTPUT	LOCATION	TARGET FOR 2nd QTR. '94	ACHIEVE- MENT FOR 2nd QTR. '94	PRO- GRESS %	1994 TARGET	ACHIEVE- MENTS TODATE	PRO- GRESS %	REMARKS
(c) Establishment of Nurseries	Nurseries established in each locations (Total 35 Nurseries)	Maha Rambawa Wewa	15	17	113	35	26	74	Five Teak nurseries, one Jack nursery & one Lime nursery established in Padikaramadawa
(d) Restoration of Gargommana Perahana Kattakaduwa	70 ha in 2 tanks	Eco system in - 07 Tanks	2	0	0	7	2	29	
(3) INTEGRATED WATER MANAGEMENT									
(a) Formation of Farmer Organisations from Lenadora to Ilukwewa under one Agency	Strengthening of existing organizations - 23 IMD - 23 DAS - 26 New organizations - 19	(1) Lenadora to Sigiriya (2) Sigiriya, Talkote, Hiriwaduwa, Miriwaduanawewa & Habarana Tank (3) From Habarana to Reservoir (4) Reservoir to Ilukwewa	0 6 0 3	0 0 0 0		59 23 26 10	34	58	Two cultivation meetings and one training programme have been held
(b) Feeder Channel						59			
Inclusion of Huruluwewa Officials in Mahaweli Water Panel	Release of full quota assured (150 cases)		1	0		100%	0		
Proper Operation and Maintenance of the Channel	(a) Handover the full system to ID/ Huruluwewa (Except last 5 miles) (b) Turn Over the Channel System to Farmer Organisation and maintain the channel in correct profile	Lenadora to Sigiriya Tank	75%	0		100%	0		Action has been initiated to include Farmer Reps in the small tank systems in the feeder canal area in the IMD project committee Briefing session was held to hand over the irrigation dept. contracts to the POO
Coordination among FOO in the System	Supply of 90 cases to Huruluwewa assured (%)	Lenadora to Huruluwewa Tank							System level FO in the Feeder canal area has been established
Establishment of appropriate cropping systems	Appropriate cropping systems established in 5 ha (%)	Lenadora to Huruluwewa Tank		0		50%	0		Several activities have been initiated to reduce unauthorised water use Trained 217 farmers to cultivate banana in paddy fields & cultivated 7Ac under mulch
(c) Command Area Crop diversification during Maha and Yala	Yala - 1500 ha Maha - 1000 ha	Huruluwewa, Kintekada, Mahadivulwewa, Maha-Rambawa, Meegaswewa	1000	0		1500 1000	0	0	Cultivated OFC in 980 acres & banana under the agro wells in 3 acres in LB tract 6 It has been planned to commence '94 Yala cultivation from 20th April with OFC in 70% of the command Ten days rotation to be adhered

MAJOR INTERVENTION AND ACTIVITIES	OUTPUT	LOCATION	TARGET FOR THIS QTR.	ACHIEVEMENT FOR 2nd QTR. '94	PROGRESS %	1994 TARGET	ACHIEVEMENTS TODATE	PROGRESS %	REMARKS
On-farm Water Management									
Conjunctive Use of Water (Agro-wells)	Conjunctive use tested in tract 6						Efficient use of irrigation water.		
Timely Cultivation	Commence Yala before mid April (New year) and Maha With first rains commencing from October onwards		88%						
Irrigation Scheduling									
Operation and maintenance of the System	Identify and rectify O&M problems in tract 6 through user participation		75%	0		100%	0		
	Efficient System Management								
Coordination with the activities of small tanks within the Haruluwewa Scheme	One sub-council formed including representatives of small tanks in Haruluwewa	Kanimsadawa, Ihalagamewwa, Dutuwewa, Gatalwewa, Kokawewa, Palagollagama, Maradankadallawewa, Jayanthiwewa, Habbodayagamawewa and Ilachchankulama.	10%	0		10%	0		Agreed upon a common cultivation calendar. Cultivated OFCs as below; Padikaramadawa & Methgama tanks - 16 Ac Kokawewa - 6 Ac, Puwakpitiya - 16 Ac, Meegawewa - 6 Ac.
(d) Drainage Area									
Utilization of drainage Water of Haruluwewa	Drainage water utilization improved in 300 ha	From Nikawewa Anicut to Ilakwewa Anicut	60	0		210	0		A programme could not be implemented due to heavy rains experienced in 93/94 Maha.
On-farm Water Management			60	0		210	0		
Establishment of appropriate cropping systems	Cropping patterns introduced in 300 ha of drainage area			0		150	0		
(4) SHARING RESOURCES FOR IMPROVING HOMESTEAD									
(a) Establish three Commercialized plant nurseries (Fruits, Forests and Gliricidia Seedlings)	3 nurseries	Two nurseries in Haruluwewa, command area and one in feeder channel	0	2	ERR	2	2	100	One fruit nursery at Nikawewa and one Mee, Kumbuk & Jack nursery at Tract 6. Gliricidia seeds were collected & it is expected to raise 50,000 plants during 94/95 Maha.
(b) Establish Model Homesteads	28 model homesteads established	KK, NW, GW, EW, T&S, MDW, MRW, SP, MD, MW, E-H, H-SI, S2-LM, CA	6	9	150	4	9	225	initiated 10 locations in the upper WS & identified 64 plots to establish model homestead in LW.
(c) Expansion of Homestead due to spread effects	112 additional homesteads merged as models 1250 households benefitted		0	11	ERR	32	11	34	
(d) Livestock Improvement of Milk Production Heads - 900	500 heads of cattle 250 households benefitted	KK, NW, GW, EW, T&S, MDW, MRW, SP,	50	0	0	125	0	0	Twenty three cattle were artificially inseminated at Nikawewa
Processing of milk and Establish market links	2 processing units 250 farm families benefitted	KK, NW, GW, EW, T&S, MDW, MRW, SP,	150	0	0	475	0	0	Produced 348 card pots at Tract 6 & six farmers were engaged in producing card at Kokawewa.
Promotion of goat rearing	150 heads of goats 75 farm families	Haruluwewa Command area	0	0		75	0	0	One training programme was conducted at Kokawewa.
(e) Promotion of apiculture and Medicinal herbs	Introduction of 300 bee colonies Medicinal herbs in 5 ha	KK, CA, MD, MRW	0	0		25	0	0	
(f) Establishment of Fruit villages	2 villages	CA, MD, SD, KK	0	0		100	0	0	
(g) Promotion of Agro-based industries	4 industries	KK, NW, GW, EW, T&S, MDW, MRW, CA	0	0		50	0	0	Nine farmers were trained in processing rice at Anaradapura rice processing center.

MAJOR INTERVENTION AND ACTIVITIES	OUTPUT	LOCATION	TARGET FOR THIS QTR.	ACHIEVE- MENT FOR 2nd QTR. '94	PRO- GRESS %	1994 TARGET	ACHIEVE- MENTS TODATE	PRO- GRESS %	REMARKS
(5) GROUND WATER DEVELOPMENT AND MANAGEMENT									
(a) Research on ground water	Ground Water potential assessed and recommendations on ground water use made	Feeder Canal, HW catchment, command Highland and Drainage	See remarks	See remarks			0		Continuation of water level monitoring & rain fall monitoring. Collected 30 water samples and analyzed. Field identification of sites for drilling OB wells. Install two evaporation pans.
(b) Providing necessary services through user groups	5 user groups providing services	Feeder Canal HW catchment, command Highland and Drainage				25%	0		
(6) LAND CONSOLIDATION IN MINOR TANKS	Increase Land Use efficiency & Increase Cropping intensity	MD, Kanni - Madawa, Meegaswewa, Thelawadiyawewa and 2 NIRP Tanks.					0		
Formation of user groups	15 user groups formed					5	0		Detailed questionnaires have been prepared Core group & task force have been established.
Institute land consolidation	5 tanks					1	0		Preliminary survey has been conducted (block out map)
Consolidation of ownership under one Tank	1 tank					-	0		Field investigation is in progress
(7) INTEGRATED PLANNING AND COORDINATION									
Promote inter-agency collaboration	An integrated watershed management plan developed	DS divisions of Galenbindunuwewa, Palugaswewa, Kakirawa, Dambulla and Nawula							A meeting was held with the political leaders in dambulla at DS office Dambulla. Briefing session was conducted for Board of ministers including chief minister NCP. Field inspection was conducted by the PSC members lower WS.
Promote inter-project coordination	WRMT institutionalized as coordinating mechanism at DS level								PSC & WRMT were held in Anuradapura & Galenbindunuwewa Discussed with the care, Sanasa in strengthening the training programmes.
Coordination at centre, Provincial Council and Divisional Levels	NSC/PSC/DS coordination institutionalized as a coordinating mechanism								Eleven D canal orgs. grouped and formed one integrated user organisation for the Feeder Canal area. Conducted two workshops for the FOO in the LW & in collaboration with IMD
Coordination with Local Political Leadership	Awareness created among local political leadership								
Promote integrate efforts of NGO and private firms	a number of NGOs and private firms involved in production and protection								
Integrate user organisations									
Promote user participation in integrated management of land and water resources	10 user organizations integrated into the watershed resources management planning								

MAJOR INTERVENTION AND ACTIVITIES	OUTPUT	LOCATION	TARGET FOR THIS QTR.	ACHIEVEMENT FOR 2nd QTR. '94	PROGRESS %	1994 TARGET	ACHIEVEMENTS TODATE	PROGRESS %	REMARKS
(8) ORGANISING USER GROUPS/ USER ORGANISATIONS, SUB- USER COUNCILS FOR PRODUCTION PROTECTION AND RELATED SERVICES									
8.1 Organize groups for production and protection Animal Husbandry Homestead & Conservation farming Homestead & Horticulture Cultivation under Agro-wells Goat Husbandry Fruit cultivation Cashew cultivation Seed paddy farming Making organic fertilizer Integrated water management	100 groups 10 new organizations 50 existing organizations 1 new sub-council	KK, MW,DW,EW, T/6, MDW, MRW, SD,MD,MW, E-H, H-SI, SI-LN CA		0		100	0	0	
Training in group dynamics and leadership resources use planning Sustainable practices	100 representatives of RUGs 40 reps of User organizations			0			0	0	
8.2 Organization and financial management Marketing Organize and strengthen institutional structures for marketing	Forward contract Collective bargaining Tenure rearrangement Formal agreements New enterprises			0					Had discussion at the DFCC with LNP & CTC in establishment of extraction of natural oils. Had discussion with the system level farmer organisation & CIC in supply of inputs to farmers. Arranged a two days training programme for persons in processing quality rice at RPDC. Had discussion with BOC in promoting livestock dev. in mini WS area. Discussed with the Com. of Ayurveda NCP in promoting a cultivation programme of herbs.

SCOR PROJECT - NILWALA
QUARTERLY PHYSICAL PROGRESS
2nd QUARTER 1994

NP = Not planned for the current quarter

EA = Early achievement ahead of target WIP = Work in progress

THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	LOCATION	TARGET FOR	ACHIEVEMENT	PROGRESS	1994 TARGET	ACHIEVEMENT	ACHIEVEMENT	REMARKS
			END QTR	END QTR	%	TODATE	OF 1994 TARGET		
1 THEME SHARED MANAGEMENT OF LAND & WATER RESOURCES									Discussions initiated and continuing with the relevant agencies for the procedural change. Resources users are being made aware of the required change. Motivation for conservation practices undertaken.
1.1 Non-Vulnerable Degraded Forests (Forest Dept.)									
1.1.1 Establish government and user usufructuary rights									
1.1.1.1 Establish rights for limited use of encroached forests	Usufruct right granted for: Annikanda mwe - 100 ha Dyadawa mwe - 100 ha Mulla Ela mwe - 100 ha Horagala mwe - 100 ha	Annikanda Kalagalabena, Kotepola (N) Pabala Mulla, Morawaka Uda Horagala	25 25 25 25	0 0 0 0	0 0 0 0	100 100 100 100	0 0 0 0	0 0 0 0	
1.1.1.2 Identify present land use in degraded forests and assess number of people involved	2 map for each mwe at 1:5000	All 4 mwe	84	0	12%	100	12	12%	DFO has given instructions on 20.04.94 RFO for a survey
1.1.1.3 Establish formal agreements by the state with user groups/organizations	For 400 ha		NP			100			
1.1.2 Introduce Agro-forestry	Agro forestry systems introduced in 40 ha	above locations	20	0	0	40	0	0	Awareness created among the communities. Perennial crop component has been established.
1.1.2.1 Identify locations for interventions	A document showing locations and maps	as above	NP	6	EA	40	EA	20%	Dothalugala and Horagala East (Weraluwa)
1.1.2.2 Design possible cropping systems for above areas	A document describing the concepts and proposed cropping system	as above	NP						Agro forestry model for Horagala encroached tea lands has been prepared. Details in 1.6
1.1.2.3 Raise plants	50,000 plants	above locations							
1.1.2.4 Establish user groups	4 User groups formed	One per mwe	2	0	0	4	0	0	Two groups were identified and yet to be formed in Horagala and Annikanda
1.1.2.5 Technology Transfer - User training - Demonstration	80 users trained 4 Demonstrations	One per mwe	80 4	0 0	0 0	80 4	0 0	0 0	
1.1.2.6 Establishment of plants in degraded forest (Conservation forest)			NP	5	ha		5		Planting was done in Dothalugala degraded forest (2000 plants) through NGO 'Dothalugala Heritage'
1.1.3 Enhance watershed protection by providing production incentives for setting-up/improving industries based on non-wood forest products (Kutu, Bamboo, herbal medicine, bee honey)									
1.1.3.1 Assess possibilities for non-wood forest products utilization	A document describing potential and possibilities		9	0	100%	100%	100%	100%	Document prepared in first quarter
1.1.3.2 Establish rights to collect non-wood forest products	Rights for three products established		NP			3			Two locations identified (Mulla Ela, Morawaka & Uda Horagala). User are preparing the application

THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	LOCATION*	TARGET FOR INDOR	ACHIEVEMENT INDOR	PROGRESS %	IWM TARGET	ACHIEVEMENT TO DATE	ACHIEVEMENT TO DATE (%)	REMARKS
1.1.3 Formation of user groups for (a) Kukul Industry	9 Kukul produce groups formed	Mugunumulla	1	0	50%	2	1	50%	RUG 214
		- 2 groups							
		Beralapattara	2	1	50%	3	1	33%	RUG 103
		- 3 groups							
		Horagala (E)	1	1	66%	3	2	66%	RUG 406 & RUG 412
(b) Pinus Tapping	2 Pinus tapping groups formed	Mullewa	1	0	0	1	0	0	
		- 1 group							
		Annasikanda	1	0	0	1	0	0	0 Locations identified. DFO has undertaken RFO to send a position paper
		Diyadewa	1	0	0	1	0	0	
		- 1 group							
1.1.4 Develop skills to generate income through non-wood forest products while conserving the forests	20 users trained	Above locations and specific training in formal classes of respective departments	20	0	0	20	0	0	0 Non-wood forest products identified. Draft document prepared
1.1.5 Establish facilities for production, processing and marketing for the above products	2 centres established	Mullewa and Annasikanda	NP						
1.2 Degraded Other State Forests (Divisional Secretary)			400			400			Information being analysed in respect of 2 contiguous areas. (440 + 230) ha & Land use chart prepared
1.2.1 Promote conservation farming in cultivated areas									
1.2.1.1 Identify degraded areas for intervention	Degraded areas (440 ha) identified and a report with maps prepared	Annasikanda, Dotalugala Isanda, Diyadewa, Hinguruppanagala, Mullewa Ela, Kambol Isawa, Yamankanda, Moregala Uda Horagala							Topography, Land use water sources maps in 2 contiguous areas prepared. LUPPD entrusted with the balance work
1.2.1.2 Establish protective measures Organic bunds/live terraces SALT techniques, fodder planting on terrace edges	Protective measure established in 400 ha	100 ha per area One group in each area	50						Interventions are reported under theme 3.0 until the boundary decided
1.2.1.3 Identify farms groups	10 user groups formed	Above locations	10		0	10			Debate on defining the boundary of other state forests delayed group formation. A document has now been made to form groups in areas selected based on slope and land use. Forestry specialist has undertaken field visits to suggested locations by catalytic
1.2.1.4 Establish demonstrations on conservation farming	12 demonstrations	1 - Mulla Ela 5 - Annasikanda 2 - Tenapita 3 - Horagala	6				12		
1.2.1.5 Establish agreements with state and user groups (permit/contract)	User rights/permits granted for 400 ha	In above locations	50				250		

THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	LOCATION	TARGET FOR END OF PROJECT	ACHIEVEMENT FOR END OF PROJECT	PROGRESS %	1994 TARGET	ACHIEVEMENT TO DATE (%)	ACHIEVEMENT OF 1994 TARGET	ISSUES
1.3 Establishment of stream gardens	4 locations (190 km) identified, reports prepared with maps	ANINKANDA SWS Stream originating from Dokhaligala Kanda leading to Tharwanaganga - 48 km. (approx) Lysage Dola - 1.0 km (Kirimamadola)	0	0%	100%	100%	100%	100%	Streams mapped Map completed
1.3.1 Identify locations for interventions in stream reservations		DIYADAWA / THANIPITA Tharwanagala Dola, Mugumulla - 1.0 km Tharapita Dola 1 km	0	0%	100%	100%	100%	100%	- Horakasa - Bodessya map on Nurseries completed - Tharapita map completed
		HORAGALA SWS Bodessya Dola 1 km Kathigasa Dola 1 km	0	0%	100%	100%	100%	100%	- Bodessya Dola map completed - Mapping completed ahead of target
		MILLA ELA SWS Stream originating from Yamandanda, Kambokkasa leading to Milla Ela - 7.0 km	0	0%	100%	100%	100%	100%	Map completed
1.3.2 Invite existing NGOs, voluntary organizations for conservation practices	4 NGOs invited	Above locations	1	1	100%	4	2	50%	Negotiating with NGO "Doka-epal Urwanya" to develop stream gardens in Aninkanda SWS
1.3.3 Produce suitable plants through NGOs, Nursery	20,000 plants arranged	Above locations	5000	1750	35%	10000	1750	18%	Proposed plants planted in selected stream gardens
1.3.4 Establish model stream garden demonstrations	4 models established	Above locations	3	1	33%	6	1	16%	Nagahatamadola and Deroodara Wewa Dola model stream gardens are being established RUG101B, RUG102, RUG104, RUG224, RUG225, RUG226 RUG227, RUG 228, RUG313, RUG402, RUG410 RUG316
1.3.5 Establish user groups	8 groups established	Above locations	0	4	100%	6	12	EA	Dialogue continuing with land users
1.3.6 Establish user rights	User rights established for 190 km length	Above locations	NP						
1.3.7 Extension of model stream gardens by the NGOs involving user groups	Stream garden models extended to over 19 km	Above locations	3	4.95	EA	12	6.95	0.52	3 Km in Milla Ela by RUG 315 & RUG 316 in Milla SWS 5 Km in Horakasa Dola, 2.5 Km in Bodessya, 2.5 Km in Horagala Dola, 5 Km in Kirimamadola, 2 Km in Rambuddesya Dola in Dyanesya Tharapita SWS 2.25 Km in Polgahesya Dola in Aninkanda SWS 2 Km in Bodessya Dola, 2 km in Bodessya Dola in Horagala SWS in above stream reservations planting of bamboo, rice seed and other forest plants in progress
1.3.8 Establish usufructuary rights through formal agreements	Formal agreements entered with user groups	Above locations	NP	0		6			
1.4 Revegetating road reservations									
1.4.1 Identify locations for interventions	Locations for interventions identified 11.5 km and map prepared	Kalwagala Korawwa - Tharapita Road - 2.5 Km Thalapakanda - Berclapathara road - 4 km Milla Ela Dola road - 3 km Nurwada - Milla's road (upper section) 3 km	0%	0%	100%	100%	100%	100%	The task was completed in the 1st quarter
1.4.2 Establish groups for active planting and raising plant nurseries	8 user groups formed	Above locations 2 groups/line	2	0	0%	8	0	0%	The plants are raised in Nurseries established 1.4
1.4.3 Obtain clearance from local authorities for interventions	Clearance obtained (letter)	Above locations	100%	0	0%	100	0	0%	Dialogue continued by Catalyst
1.4.4 Arrange for planting materials & planting	20,000 plants raised	As above	NP	90		5000			90 Ariseval plants were established along 3 Km Tharapitanda Berclapathara road (at Porvireya))

THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	LOCATION	TARGET FOR 2ND QRT	ACHIEVEMENT 2ND QRT	PROGRESS %	1994 TARGET	ACHIEVEMENT TO DATE	ACHIEVEMENT TO DATE (%)	REMARKS
1.4.3	Arrange training	As above	NP			50			
1.4.4	Arrange grants of usufruct rights	As above	NP			50			
1.5	Mini-hydro power generation through shared capital investment	Bontnyadola at Ilukpaya 4KW Kumwena dola at Mugusumole 10 KW							
1.5.1	Feasibility study		100%	100%	100%	100	100%		Field investigations by ITDG completed and pre-feasibility report received
1.5.2	Form user organizations		0	0	100%	2	2	100%	Organizations formed, ahead of target in the 1st quarter
1.5.3	Arrange support	Grants awarded and external support arranged.	NP			100			
1.5.4	Plant construction	Plant built	NP						
1.5.5	Commence project	10 kw electricity generated	NP						
1.6	Raise plants to be utilized for intervention under theme (1)		11000	12406	100%	50000	26406	53%	User groups RUG0101A, RUG0102, RUG204, RUG40RUG1, RUG402, RUG31A, RUG319
1.6.1	User training on survey management	Above locations			32				Members of survey groups was trained by PC of SCOR 2 Members of survey groups were trained by FD (2 Day training)
2.0 THEME - SHARING RESOURCES FOR IMPROVING HOMESTEADS									
2.1	2.1.1	Identify Potential homesteads for introducing market oriented production base	Potential homesteads (125 Nos.) identified and report prepared including map						
		ANNIKANDA MWS Thalapakanda village - 32 Nos.	0	0	100%	32	32	100%	
		HORAGALA SWS Horagala Yatiboregala 15 nos.	15	15	100%	15	15	100%	Arbos has been initiated.
		DIYADAWA TENIPITA SWS Tenipita - 8 Nos.	8	0	0%	8	0		
		Kalupalahena (for Geegazagoda) - 10 Nos	0	0	100%	10	10	100%	
		Datsaduru - 5 Nos	5	0	0%	5	0		
		Diakumbura - 3 Nos.	3	0	0%	3	0		
		MILLA ELA MWS Polgawala - 10 Nos.	10	10	100%	10	10	100%	
		Morenwala - 8 Nos.	8	8	100%	8	8	100%	
		Ibala Mulewa - 30 Nos.	18	18	100%	30	30	100%	

THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	LOCATION	TARGET FOR	ACHIEVEMENT	PROGRESS	IMP TARGET	ACHIEVEMENT	ACHIEVEMENT	REMARKS
			END QTR	END QTR	%	TODATE	OF IMP TARGET	TO DATE (%)	
2.1.2	Studies aimed at homestead management problem analysis	Above locations	50%	0	0%	100	0	0%	Report is being prepared
2.1.3	Recommend appropriate farming systems	Above locations	NP			100			
2.1.4	Formation of user groups for homestead development	Above locations	0	0	EA	10	5	40%	Groups formed in the first quarter
2.1.5	Establish model homestead demonstrations	One per each SW	NP	0	EA	4	1	25%	One homestead identified to develop as model homestead in Mills Ela SWS and conservation measures were established
2.1.6	Arrange training	Above locations	30	24	80%	125	24	19%	Training was done by discussions with individuals in their own homesteads site specific recommendations were made by Agrl Dept. Officials
2.1.7	Facilitate procurement of planting materials	Above locations	50	18	36%	125	18	19%	Arranged purchase of vegetable seeds for planting in Millsela SWS 425 Coconut plants, 230 fruit plants were arranged to users to plant in Homesteads of all SWSs.
2.2	Improve production base through promotion of Apiculture, Floriculture, Livestock husbandry, Horticulture & Medicinal herbs								Two Bee Colonies established in Mills Ela
2.2.1	Promotion of Apiculture	30 Bee colonies established in 4 SWs	NP			40			Arrangements made to purchase 20 Bee boxes in Horagala - 7 & Diyedawa - 13
		35 - Berakpantharu/Kaluwegahabess 35 - Upper Millsela 10 - Diyedawa	NP	2	EA		2	5%	
2.2.1.1	Identify potential locations	40 potential locations identified (80 colonies) and report prepared	NP	23	EA	20	40	85%	Nectar survey carried out by Dept. of Agric & potential locations identified in Diyedawa - Temipita
2.2.1.2	Establish resource user groups for Bee keeping	1 RUGs formed	NP		EA	2	1	50%	40 locations were identified ahead of target in the first quarter. RUG 413, in Diyedawa - Temipita groups not formed in targeted members identified & Bee boxes arranged
2.2.1.3	Bee keeper training	40 users trained	NP			20	12		Initial discussions held with Agr. Dept. to conduct training in Diyedawa - Temipita and Horagala SWSs.
2.2.2.2	Establish resource user groups for Floriculture	9 user groups formed		7	5	77%	9	7	RUG104, RUG105, RUG107, RUG104, RUG109, RUG306, RUG317, Mini projects prepared
2.2.2.3	Training on plant propagation and other techniques	135 users trained	NP	36	EA	135	44	35%	Members of user groups were trained in plant establishments.
2.2.3	Livestock Development								
2.2.3.1	Improvement of Cattle husbandry	Annikkade 40 units Diyedawa 10 units Mills Ela 25 units	NP			10			All programmes in progress in all 3 locations.
			NP			2			
			NP			5			
	Improvement Goat husbandry	Annikkade 2 units	NP			1			
		Liyasgawatta and Kaluwagahabess							
2.2.3.2	Establish groups for cattle husbandry	7 groups formed	0	2	EA	7	6	85%	Feeder strips were established 500 m along stream banks. Tea lands & 5 Aa in homesteads RUG 210, 222, 327, 322 411 325 groups formed ahead of the target
2.2.3.3	Establish groups for goat husbandry	2 groups formed	2	1	50%	2	1	50%	RUG202 formed & constraint analysis completed
2.2.3.4	Establish demonstrations on ruminant feeder systems	1000 m.	1600	0		2000			
		In all four SWs							Training scheduled for 18.06.94
2.2.3.5	Establish compost heaps	100 Nos.	25	0		50	0		

THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	LOCATION	TARGET FOR ENDQRT.	ACHIEVEMENT ENDQRT.	PROGRESS %	1994 TARGET	ACHIEVEMENT TO DATE	ACHIEVEMENT TO DATE (%) OF 1994 TARGET	REMARKS
2.3 Establish value adding opportunities for primary products	Value adding opportunities introduced for Milk, Fruit, Kital Cole and Herbal plants - 100 users benefited and concept paper developed	Mila Ela, Amalibanda and Teelwa	25	0	0%	50	10	0	Members of the RUG406 as entrepreneurs on improved packaging 2) RUG222 3) General awareness created for adding value for enterprises
2.3.1 Organize groups for value added production	30 resource user groups formed. Increase income through value added and environmentally sound production	As above	10	1	10%	10	1	10%	RUG406 - Trials, RUG222 - Card
2.3.2 Negotiate with existing programmes, agencies and NGOs for interventions	Intervening areas identified and report produced	Above locations	50%	0		100%			In addition to local Firms/Corporations, initial discussions held with IDB & CISIR
2.3.3 Arrange technology transfer	Technology transfer arranged for 100 users	Above locations	40	0	20%	50	10	20%	Techniques of dehydration of jak vegetable for technology was trained in the first quarter
2.4 2.4.1 Identify potential markets & linkages	A report showing potential markets and linkages in respect of 7 commodities	Location neutral	100%	0		100			Information gathering in progress.
2.4.2 Establish market opportunities & linkages for primary and value-added products	Market link established for 7 products	Above locations	NP			4			Improve the bargaining power of kital treated producers RUG406 RUG222 linked to Nanta & agreed to provide milk cans and a tractor
2.5 Organize user groups for collection, processing, packaging, transport and delivery to market	User groups formed	Free	NP	2	50%	4	2	50%	RUG406 for coffee marketing and improve the quality of the products RUG 222 for collection, storage & marketing processing, packing & marketing of EAC and fruit crops
2.6 Arrange technology transfer and training for food processing & preserving for organized groups	Processing and preserving facilities established for 4 products and a report produced	Above locations	NP			2			
2.7 Arrange credit facilities for activities in respect of value added enterprises	Credit facilities & service linkages established for 4 RUGs	Free	NP			4			
2.8 Arrange input and other service facilities: seeds, plants	Input facilities & service linkages established for 40 RUGs	AD 4 SWSe	NP	10		10			For awareness, seed supply enterprises
3.0 IMPROVE TEA - PADDY CULTURE									
3.1.1 Promote conservation farming in tea small holding									
3.1.1.1 Identify areas for interventions	Locations (400 ha) identified and report produced with maps	Atanikanda area Thakpala banda 75 ha Dyachawa/Tempita area Gobalwar bara, Olakwar bara, Bodalya, Geegapada - 125 ha. Mila Ela area Yama banda, Kambokta, Melawa West - 150 ha.	0%	0	100%	100%	100%	100%	Map & report prepared
			0%	0	100%	100%	100%	100%	
			0%	0	100%	100%	100%	100%	
			50%	50%	100%	100%	100%	100%	
3.1.1.2 Collect basic data	Data collected through farm records and report prepared	As above							Record keepers employed, Data collected in Tea, Paddy livestock farmer (90 each) & homestead

THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	LOCATION	TARGET FOR 2ND QRT.	ACHIEVEMENT FOR 2ND QRT.	PROGRESS %	1994 TARGET	ACHIEVEMENT TO DATE	ACHIEVEMENT TO DATE (%) OF 1994 TARGET	REMARKS
3.1.1.3 Establish protective measures (a) Agronomic measures - Organic Mulch - SALT Technique - Pasture strips on foot paths & stone terraces (b) Mechanical Measures - Improve erosion - Leader drains - Contour drains - Stone terraces	Protective measures adopted in 400 ha.	As above	100	14	14%	300	14	4%	Horagala 6 ha Mildala 5 ha Diyadewa 2 ha Anisakanda 1 ha Portfolios measures established
3.1.1.4 Introduce tree strips along streams bordering tea leads	Tree strips introduced 4000 m (1000 per acre)	Streams in above locations	1000	250	25%	3000	250	8%	Diyadewa Thalapita SWS (Rambakkadeniya Dole)
3.1.1.5 Establish demonstrations on conservation measures and tree strips along stream banks	Demonstrations established 8 Nos. 2 per acre	Above locations	4	0		4	0		
3.1.2 Promote planting fuel crops, intercropping and border cropping in tea small holdings	50 ha tea small holdings improved	Same locations selected for intervention under section 3.1.1.1	15	3	30%	45	3	5%	Intercropping 0.5 ha (Mahagaoya) - Diyadewa - Tempita Border cropping 2.5 ha. onwards
3.1.3 Facilitate linkages with small holders and large plantations for supply of inputs, quality planting materials and output marketing	Linkage established - 1000 Tea Small Holders benefited	as all over	100	0	0%	400	0	0%	Negotiations being held with large plantations & cooperatives
3.2 Improve paddy productivity									
3.2.1 Improve water acquisition and land management	8 locations (46 ha) identified	Asisakanda over	25%	25%	100%	100	100%	100%	Locations have been identified
3.2.1.1	Report prepared	Thalapalabanda paddy tract - 5 ha. Pothewila yaya - 10 ha. Diyadewa - Tempita over: Hansford tract 8 Ha Mildala over Anisakanda kumbura yaya - 2 ha. Anisakanda 3 ha. Pannalagawa kumbura - 7 ha. Ambagahoda kumbura - 3 ha. Horagala over: Kinmatiya - 5 ha, Illakpitiya yaya 3Ha. Above locations	25%	0%	75%	100	75%	75%	do
			25%	25%	100%	100	100%	100%	do
			25%	25%	100%	100	100%	100%	do
3.2.1.2 Facilitate arrangements for sharing capital for development of irrigation systems	46 ha of paddy lands developed through shared investment		10	2	20%	26	8.5	32%	Drainage system improved Activities started in Anisakanda yaya and Pothewila Yaya are continued Anisakanda 3.5 ha (Pothewila yaya) Diyadewa - Tempita 2.0 Mildala 3.0 (Anisakanda yaya), Horagala 1.5 (Kurimaliya yaya)
3.2.2 Land consolidation	Paddy lands consolidated - 46 ha.	Above locations							Just for activity yet to commence
3.2.2.1 Consultation with users and collection of relevant data from the institutions	Report produced with relevant data included	- do -	100%	0		100	0		

THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	LOCATION	TARGET FOR	ACHIEVEMENT	PROGRESS	1994 TARGET	ACHIEVEMENT TO DATE	ACHIEVEMENT TO DATE (%)	REMARKS
			2ND QRT.	2ND QRT.	%		OF 1994 TARGET		
3.2.2.2 Identify areas for land consolidation	Areas identified and report produced	Above locations	100%	0		100	0		
3.2.2.3 Establish contacts with relevant officials & users	Contact established	do -	100%	0		100	0		
3.2.2.4 Map out Strategy by the task force	Strategy identified and report produced	do -							
3.2.2.5 Implement land consolidation in selected sites with Rehab. Projects	46 ha of paddy lands consolidated	do -	6	0		29	0		
3.2.3 Promote integrated pest management and use of organic manure in paddy lands	Integrated pest management practices and use of organic manure promoted Application of chemical fertilizer reduced, soil physical condition improved 46 ha.	Above locations	10	10	100%	26	10	25%	Training was given on monitoring threshold levels of pest damage integrated pest management in Milla Ela SWSS initial steps on integrated pest management was taken in seed paddy farmers in all 4 SWSS (Selection of suitable var. avoid staggered cultivation & A. long term practices rotting place for birds, dumping to source wild boar
3.2.4 Facilitate seed paddy production within sws	A seed paddy yeys established for each sws - 19 ha	Atinkoda sws 5 ha Diyadewa Tenipita sws 4 ha Milla Ela sws 8 ha Horagala sws 2 ha	1	3.5	EA	3	3.5	100%	Seed paddy yeys established
3.2.5 Introduce measures to prevent scouring of highland and silt deposition in valleys	Preventive measures adopted to avoid draining run off water into paddy fields - 46 ha.	Locations identified under 3.2.1.1	10	6.5	65%	26	6.5	25%	1.5 ha Kirimatiyaya Savandara Grass establishment in drainage channel of Annasidola yeys Clearing of Milla Ela to prevent submerged the Annasidola yeys during rain season Planting of conservation grass & Arianut plants along the road adjoining to Potthuvila yeys
3.2.6 Formation of user groups for improving paddy culture	16 user groups formed	Above locations	10	1	43%	16	7	43%	RUG 1001, RUG 2001, RUG 304, RUG 307, RUG 324, RUG 326, RUG 404
3.2.7 Arrange training	160 users trained	Above locations	34	21	83%	160	67	41.5%	Training programmes are being continued during the season.
3.2.8 Arrange inputs	Required inputs arranged 46 ha. Fertilizer, agro-chemicals, seed paddy	Above locations	10	10	100%	26	10	38%	Arrange registered seed paddy (1.1 mt. tons), Fertilizer for seed paddy farms. Fertilizer for seed paddy farms (1.6 mt. tons).
3.2.9 Arrange soil testing	46 ha	Above locations	NP						
4.0 THEME ORGANIZE GROUPS FOR IMPROVED PRODUCTION, PROTECTION, MARKETING AND RELATED SERVICES									
4.1 Identify and secure existing organizations & CBOs etc.	User organizations, CBOs identified and assessed	in 4 sws	0%	0	100%	100	100	100%	Identifications and assessment completed
4.2 Organize user groups for collection, transport and delivery of produce to markets	4 user groups formed	in 4 sws	NP	2	EA	4	2	50%	RUG 406 - Tractor, RUG 203 - Agri Products

THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	LOCATION	TARGET FOR END QTR.	ACHIEVEMENT END QTR.	PROGRESS %	1991 TARGET	ACHIEVEMENT TO DATE	ACHIEVEMENT TO DATE (%) OF 1991 TARGET	REMARKS
4.3 Formation of single task based organizations from groups formed under different themes No. 1, 2, 3, and 4.2	10 organizations formed	As above	NP	1		10			Action initiated to form enthusiasm producer organizations
4.4 Formation of sub user council form organizations mentioned in 4.3	1 sub user council formed	Niwala Upper Watershed	NP	0		1			SWS - Level final - councils are being initiated with the view to facilitate input supply & output marketing
4.5 Training representatives of: - RUOS - User sub council	10 Reps. trained 04 Reps. trained	In 4 wss	NP	0		40	4		
4.6 Arrange small grants for user groups and invest them in economic user assets	75 small grants arranged to user groups	In 4 wss	3	0	80%	55	12	14%	Project reports are being appraised to offer small grants to enthusiasm. Grant for enthusiasm projects in the second quarter
4.7 Facilitate user organizations to establish links with leading institutions to obtain credit for commercial activities	10 user organizations linked with credit institutions	All 4 wss	NP	0	EA	6	1	14%	User groups linked with leading institutions to obtain credit facilities - 3 seed paddy groups, RUGs entered into loaning habits through opening up Bank account, Coconut 1 grp., Paddy 13 grp., Kintul 1 grp. 4 RUG engaged in seed paddy enterprises arranged collective purchase 4 RUG engaged in seed paddy enterprises arranged, collective purchase.
4.8 Facilitate user group/organizations to procure input supply through collective action	Requirements of inputs obtained through collective action - 10 organizations	All 4 wss	NP	0	EA	6	2	33%	
4.9 Facilitate collective action to ensure higher returns for commodity produce of users and linked to new markets	Bargaining power strengthened, forward contracts established (2 Nov.) Link established with new markets for 4 wss	In all 4 wss	1	1	100%	4		25%	Buyer - Seller meeting of inputs, arrange in Horugh for sale of Kintul maize & realized higher returns. This practice being continued
4.10 Establish new commercial enterprises through user groups	5 new enterprises established	- do -	NP			2			Students in progress
4.11 Facilitate user group/organizations to form a production company	One production company established	Niwala Upper watershed	NP						
5.0 THEME: INTEGRATED PLANNING & COORDINATION									
5.1 Prepare inventory of gov. agencies and non-govt agencies relevant to land and water management of Upper Niwala Watershed	Inventory of land and water resources managing agencies and a report prepared	Upper Niwala watershed	0%	0		100%	100%		Completed in 1st quarter
5.2 Prepare inventory of resource management inputs for Niwala Upper Watershed with the assistance of agencies mentioned in 5.1	Land and water resources management budget	- do -	100%	0		100			Postponed to 4th 2nd Quarter due to changes in Southern Provincial Council Discussions held with Div. Secretary to gather information
5.3 Facilitate development of a data-base and information system for land & water resource management	Land and water resource data-base Land and Water resource information system (4 Nov.)	4 wss	4	0		4			Format being developed
5.4 Arrange training on (1) Local planning, user groups formation, support and collaboration (2) Integrated planning (projects programming aspects) for watershed basis for protection & production	10 provincial officials trained 25 Divisional level local officials trained	Dulle Respective 4 wss	10 25	0 0		10 25			preliminary discussion held by the Team work in progress

THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	LOCATION	TARGET FOR	ACHIEVEMENT	PROGRESS	1994	ACHIEVEMENT	ACHIEVEMENT	REMARKS
			END QRT.	END QRT.	%	TARGET	TO DATE (%)	OF 1994 TARGET	
5.5 Arrange training on "participatory natural resource management" for NGOs, PVT. Sector orgs (PSOs).	15 NGO & PSO reps. trained	Respective 4 areas	5	0		15			Organization being initiated
5.6 Install monitoring & Evaluation systems at Divisional Secretariat/Micro watershed level	Area level monitoring & evaluation system established (4 systems)	4 areas	4	0		4			Organizational arrangement done through sub watershed working groups (4) chaired by DSS & attended by GNN, RUG reps & related local agency officials Monitoring system initiated through watershed WG meeting.

Major events recorded during reporting month.

- 1 Participatory resource use mapping by plots of the two model production and conservation areas in Aainkanda and Millieela Sub-watersheds were undertaken.
- 2 A manual was prepared for the resource users on Nursery Management. This will be very useful as a training tool for the trainers and a practical guide for the resource users.
- 3 Complete revival of an abandoned minor irrigation system with user participation. A model for water acquisition in the wet zone watershed at no additional cost to the government.
- 4 Preliminary investigations completed for a micro hydropower project by an NGO. This is to set a model of resource augmentation, creation of new production and sustainable resource use adding resource conservation by catchment conservation.
- 5 Veterinary services linked to dairy farmers of Millieela sub watershed that has been deprived of such services due to poor accessibility and lack of mobility for the government officers to the area.

6. ELABORATION OF SPECIFIC EVENTS OF PERFORMANCE

Two provincial steering committee meetings were conducted and members of the steering committees had field visits to make direct observation of work. The need for collaboration and integrated action in the watershed resources management was very well accepted during these meetings. Remarks were made by members about the complementarity and usefulness of SCOR research on water resources.

The national steering committee (NSC) members visited areas of intervention in the Nilwala Watershed and conducted the committee meeting at Kotapola Divisional Secretariat. During the field visit, the committee members could observe the direction of the project in its interventions through activities in production and protection of stream reservations, adoption of techniques for the conservation of soil in steep slopes, homesteads, and tree planting by resources users in degraded forests. The NSC members climbed up hill to the nursery of the user group of Dothalugala. At the nursery the users explained their plan to raise all the required plants to cover the Dothalugala hills which has been exposed to severe degradation due to the clearing and expansion of tea. The team could meet the members of the newly formed NGO, "Dothalugala Heritage" and listen to their programme for future vision on combining production and protection measures.

Discussions continued with the Secretary of the Ministry of Lands on the need for a policy/procedural change for granting long term user rights to reservation lands.

7. MAJOR INPUTS

(a) Training

The total number of training opportunities offered to resource users in resource use planning, organization and financial management, marketing, group dynamics and leadership by the SCOR team during the second quarter is 2284. The total number as at the end of second quarter is 3435. The type of training is, in many cases informal, task centered, and conducted in the field with the resources users in passing information and techniques of resource use. For example training of using organic fertilizer in Nilwala watershed involved making a compost heap by the trainer with the users. As a result 12 new compost heaps were so far reported to have been produced by the participants. This method naturally involves larger number of people, and the same group getting trained on different subjects as well. The number of training opportunities should be considered with the resultant group formation and cost as financial input for training.

The total number of resources users trained under the project under major areas of focus is given in Table 4.

The total number of officers trained during the second quarter is 16 in Nilwala watershed, and the total up to the end of second quarter is 381 (104 in Huruluwewa and 277 in Nilwala). There are instances where the same officer has received training on different subjects at different occasions.

Table 4

TRAINING OF RESOURCES USERS - SECOND QUARTER 1994

SUBJECT AREA	HURULUWEWA		NILWALA		TOTAL	
	DURING 2ND QTR.	TODATE	DURING 2ND QTR.	TODATE	DURING 2ND QTR.	TODATE
1. Resources use planning	1622	2152	395	615	2017	2767
2. Organization and Financial Management	25	227	35	67	60	294
3. Marketing	128	128	0	25	128	153
4. Group dynamics and Leadership	79	208	0	13	79	221
TOTAL	1854	2715	430	720	2284	3435

Source: Training Database.

Financial input for training

The total financial input during the quarter on training and workshops is US\$ 6200 (Rs.304,358) out of a target of US\$ 7500 (Rs.368,175) marking 83% use of the allocation.

(b) Group formation

By the end of the first quarter, 124 new user groups had been formed in the two watersheds with 1709 members engaged in 32 major activities of production and protection. In addition the Huruluwewa SCOR team interacts with 20 existing organizations with a membership of 1892 in their interventions.

Table 5,6,7, and 8 present information of groups of Huruluwawa and Nilwala watersheds respectively.

Table 5

RESOURCE USER GROUPS DATABASE – HURULUWEWA WATERSHED

Group #	Act. Code	Group Name	Members	Male	Female	Female %	Families	Location
53	1	Homestead development group	10		10	100	10	Kunugonewa
59	1	Medicinal herbs collecting group	6	–	6	100	6	21st colony
46	1	Homestead development group	25	7	18	72	25	21st colony
47	1	Homestead development group	14	1	13	93	14	Hinguruwegama
49	1	Homestead development group	25	13	12	48	25	Tract 06
11	1	Homestead deve. & Chena stabili. group	6	6		0	6	Mahasengama
57	1	Nurseries Group	6	3	3	50	6	21st colony
06	1	Homestead development group	12	10	2	17	12	Kumbukwewa
42	1	Homestead development group	25	19	6	24	14	21st colony
54	1	Homestead development group	9	1	8	89	9	Hinguruwegama
44	1	Homestead development group	25	19	6	24	25	21st colony
38	1	Homestead development group	14	11	4	29	14	Hinguruwegama
45	1	Homestead development group	25	6	19	76	25	21st colony
12	2	Homestead development group – Padikaramadu	11	11		0	11	Old Padikaramaduwa
41	2	Vegitable cultivation group	5	5		0	5	Hinguruwegama
06	2	Homestead & conservation farming group	5	4	1	20	5	Mahasengama
43	2	Homestead development group	10		10	100	6	21 colony
05	2	Homestead & conservation farming group	7	7		0	7	Mahasengama
04	2	Homestead & conservation farming group	11	11		0	11	Mahasengama
58	3	Rice Processing Group	5			0	5	21st colony
13	3	Land development group under puwak.tank Ga	9	8	1	11	9	Padikaramaduwa
04	3	Cattle farming group	13		13	100	13	Janasirigama
55	3	Cattle farming group	8	1	7	88	8	Hinguruwegama
40	3	Cattle & Goat rearing group	8		8	100	8	Tract 06
52	3	Cattle farming group	8		8	100	8	21st colony
05	3	Poultry farming group	6		6	100	6	Janasirigama
14	3	Goat rearing group	11	1	10	91	11	Rathmalwetiya
39	3	Poultry farming group	10	0	10	100	10	21st colony
10	4	Resource use women govi committee	10		10	100	10	Palugollagama
07	4	Resources use women govi committee	10		10	100	10	Pubudugama
07	5	Homestead & conservation farming group	6	1	5	83	6	Mahasengama
50	6	Agrowells project	16	15	1	6	16	21st colony

Contd....

Group #	Act. Code	Group Name	Members	Male	Female	Female %	Families	Location
36	6	Agrowells group	7	4	3	43	7	Hinguruwegama
34	6	Agro-wells group	10	9	1	10	10	21st colony
67	7	Agro-wells development committee	11	11	0	0	11	Hurulugama
33	7	Agro-well group	43	37	6	14	43	Meegaswewa
61	7	Agro-well group	10			0	10	21st colony
01	8	Bambu trees planting group	18	15	3	17	18	Ilukwewa
03	8	Bambu trees cultivation group	15	15		0	15	Getalawa
02	8	Bambu trees planting group	19	19	0	0	19	Ilukwewa -- Karunagama
48	9	Cashew cultivation group	12	6	6	50	12	21st colony
37	9	Cashew cultivation group	10	6	4	40	10	Hinguruwegama
51	10	Fruit cultivation group	8	4	4	50	8	21st colony
56	10	Fruit cultivation group	8			0	7	21st colony
09	11	Resource use women govt committee	11		11	100	11	Pubudugara
08	11	Resource use women govt committee	13		13	100	13	Palugollagama
62	11	Resource use women's committee	13		13	100	13	Pubudugara
64	11	Resource use women's committee	12	0	12	100	12	Ihala Boralugodella
69	11	Resource use women govt committee	11		11	100	11	Tittallewa
63	11	Resource use women's committee	12		12	100	12	apubuduguna
65	11	Resource use women's committee	11	0	11	100	11	Kokawewa
68	11	Resource use women's committee	11	0	11	100	11	Kokawewa
66	12	Agro-wells development committee	11	11	0	0	11	Katarampura
		Total	647	297	328	50.7	631	

Table 6

**Group Formation, Group Activities and the Current Director
of SCOR Activities
(June, 1994)
Huruluwewa Watershed**

Type of Activities	# of Groups	# of Members
1 Homestead Development	13	202
2 Homestead conservation farming	6	49
3 Animal Husbandry	9	78
4 Bio-farming (vegetables)	2	20
5 Chena Stabilization	1	6
6 Homestead & cultivation under Agro-wells	3	33
7 Yan Oya Conservation	3	64
8 Bambu trees planting group	3	52
9 Cashew cultivation group	2	22
10 Fruit cultivation group	2	16
11 Womens' activities for income generating	8	94
12 Milk production	1	11
Total	53	647

Table 7

RESOURCE USER GROUPS DATABASE
UPPER NILWALA WATERSHED

Group #	Group Name	Type	Members	Male	Female	Female %	Families	Location
RUG406	Nilwala Kitul, viniger, treacle group	1	15	15	0	0	15	Horagala
RUG103	Uduhupitiya Kitul Producers Group	1	10	10	0	0	10	Uduhupitiya
RUG214	Susiri Kitul Producers Group	1	15	15	0	0	15	Mugunumulla
RUG412	Kitul treacle producers group, Gamagewatta	1	19	19	0	0	11	Uda Horagala
RUG116	Dandenikanda Tea Land Protection Group	2	17	14	3	18	17	Dardeniya
RUG115	Polgahahena Tea Land Conservation Group	2	10	10	0	0	10	Polgahahena
RUG114	Pothuwila Tea land Conservation Group	2	10	10	0	0	10	Thalapalakanda, Pothuwilayaya
RUG409	Weraluwa Tea Land conserva. group	2	30	27	3	10	28	Weraluwa
RUG305	Polgasvila Homestead group	3	12	11	1	8	12	Polgasvila
RUG404	Ilukpitiya Homestead Group	3	11	0	11	100	11	Ilukpitiya
RUG110	Kakundeniya Homestead Group	3	10	10	0	0	10	
RUG321	Homestead Development Group	3	7	7	0	0	7	Millawa
RUG403	Tea Small holders conservation grp.	4	31	28	3	10	31	Ilukpitiya
RUG405	Horagala T.S.H conservation Gp.	4	19	16	3	16	19	Horagala
RUG307	Horiyadola Amuna Group	5	72	72	0	0	72	Pahala Millawa
RUG101	Polgahahena Stream reservation Grp.	6	10	10	0	0	10	Polgahahena
RUG226	Stream Reservation grp.	6	9	8	1	11	9	Bodeniya
RUG106	Wijayagama Nilwala Str. Reasv.Group	6	10	9	1	10	10	Modaragama
RUG224	Stream Reservation grp.	6	12	11	1	8	12	Bodeniya
RUG226	Stream Reservation Group	6	9	8	1	11	9	Bodeniya
RUG227	Stream res. Group Rambukdeniya	6	17	15	2	12	0	Rambukdeniya, Makwalla
RUG316	Stream reservation group	6	14	14	0	0	14	Polgasvila
RUG102	Udadola Reservation group	6	11	0	11	100	11	Milla gaha hena
RUG229	Kadolana Stream Reservation Group	6	12	12	0	0	12	Mugunumulla
RUG230	Sadharitha Stream Reservation Group	6	19	15	4	21	19	Mugunumulla
RUG228	Kiriwandola Reservation Group	6	9	8	1	11	9	Thanipita
RUG225	Stream Reservation grp.	6	10	10	0	0	10	Bodeniya, Godakumbura
RUG315	Stream reservation group Polgasvila	6	13	13	0	0	13	Polgasvila
RUG410	Balideniya Stream Reservation Group	6	12	10	2	17	12	Balideniya
RUG117	Beliathdeniya Stream Reservation Group	6	15	15	0	0	15	Pothuwilahena
RUG221	Mahasen Farmer organi. nursery grp.	7	10	10	0	0	10	Hingurupanagala
RUG212	Rotary Gami Haula	7	10	10	0	0	4	Wilpita Pathawita
RUG204	Nilwala Nursery Group	7	10	10	0	0	10	Olakumbura, Madagoda
RUG401	Mihithuru Nursery Group	7	10	10	0	0	10	Horagala
RUG318	Nursery Group Pahalamillawa	7	10	10	0	0	10	Pahalamillawa
RUG101A	Polgahahena Nursery Group	7	10	10	0	0	9	Thalapalakanda, Polgahahena
RUG319	Ihala Millawa Nursery Group	7	10	10	0	0	10	Ihala Millawa
RUG402	Bovitidola Conservation nursery grp	7	31	31	0	0	31	Ilukpitiya

Group #	Group_Name	Type	Members	Male	Female	Female %	Families	Location
RUG222	Hingurupanagala Milk Prodcuers grp.	8	7	7	0	0	7	Batebadda
RUG325	Milk Producers Group Ihala Millawa	8	10	10	0	0	10	Ihala Millawa
RUG327	Pahala Millawa Milk Producers group	8	8	8	0	0	8	Pahala Millawa
RUG322	Milk Producers Group Millawa	8	8	8	0	0	8	Millawa
RUG210	Boralukanda Milk Producers Group	8	12	11	1	8	12	Boralukanda
RUG324	Ambalankumbura Ihala Amuna user group	9	10	10	0	0	10	Amblankumbura Amuna area
RUG326	Phala Egodakumbura user group	9	10	10	0	0	10	Pahala Millawa
RUG304	Seed Paddy Producers group	10	23	23	0	0	23	Ihala Millawa
RUG408	Kirimatiyaya seed paddy farm	10	5	5	0	0	5	Horagala
RUO2001	Thenipita Suhada Seed Paddy prod. grp	10	8	8	0	0	8	Thenipita
RUG113	Mahei Floriculture Group	11	11	7	4	36	11	Beralapanathara
RUG108	Nagoda Athura Anthuriam Group	11	10	3	7	70	9	Nagoda Athura
RUG306	Polgasvila Floriculture group	11	11	2	9	82	11	Polgasvila
RUG107	Wijayagama Floriculture Group	11	13	11	2	15	11	Wijayagama
RUG317	Floriculture Group Ihala Millawa	11	10	3	7	70	10	Ihala Millawa/Pahala Millawa
RUG104	Thalapalakanada Floriculture group	11	10	0	10	100	9	Polgahahena
RUG109	Kakundeniya Anthuriam Group	11	10	2	8	80	9	Kakundeniya
RUG112	Pothwilayaya Floriculture Gp.	11	12	6	6	50	12	Pothuwila Yaya, Batandura(N)
RUG105	Thisara Floriculture Group	11	13	0	13	100	11	Wijayagama
RUG323	Soil Conservat. group Mulangodalla	12	7	7	0	0	7	Pahala Millawa
RUG320	Milla Ela Soil conservation group	12	11	0	11	100	11	Ihala/Pahala Millawa
RUO3001	Ihala Millawa Farmer organization	13	33	33	0	0	33	Ihalamillawa
RUO2002	Mahasen Farmer org. Hingurupanagala	13	52	45	7	13	45	Kotapola North
RUG223	MEC growers group	14	10	10	0	0	10	Mugunumulla
RUG220	Sacks Producers Group	15	10	8	2	20	10	Boraludeniya
RUG203	Agric. Product marketing group	16	10	10	0	0	10	Olakumbura
RUG411	Uda Horagala Livestock Group	16	10	9	1	10	10	Horagala
RUG111	Mihidiya Mini-hydro power station	17	9	9	0	0	9	Boraluwakanda
RUG407	Bovitiyadola Mini-hydro power station Gr.	17	42	39	3	7	42	Illukpitiya
RUG202	Tenipita Udawatta Goat Keeping Group	18	20	20	0	0	20	Tenipita
RUG231	Tenipita Bingusevana Group	19	11	11	0	0	11	Tenipita
RUG413	Makaranda Bingu Uyana Group	19	14	14	0	0	14	Weraluwa, Uda Horagala, Mandandawila
RUO4001	Horagala East FO	20	51	51	0	0	51	Horagala
Total			1062	923	139	13	1014	

Table 8

**Group formation, group activities and the current direction
of SCOR activities
(June. 1994)
Nilwala Water shed**

	TYOE OF ACTIVITY	# OF GROUPS	# OF MEMBERS
1	Kitul and vinigar production	4	59
2	Tea land conservation	4	67
3	Home gardening	4	40
4	Small teal land conservation	2	50
5	Stream conservation with nursery	1	72
6	Stream reservation conservation	15	182
7	Plant nursery	8	101
8	Milk production	5	45
9	Paddy land users	2	20
10	Seed paddy production	3	36
11	Flower growers	9	100
12	Soil Conservation	2	18
13	Farmer organization	2	85
14	Minor export corps	1	10
15	Leaf sacks production	1	10
16	Agricultural production & marketing	2	20
17	Mini-hydro power	2	51
18	Animal husbandry	1	20
19	Bee keeping	2	25
20	Clearnace of bunds	1	51
	Total	71	1062

(c) **User Grants**

The Target set for the year 1994 for user grants is Rs.2 million out of an allocation of Rs. 7 million for the two year period for both watersheds. The amount awarded as small grants to user groups as at the end of second quarter amounts to Rs.128,000. Huruluwewa office has issued one grant to a group supplementing the cultivation of other field crops. Nilwala office has granted Rs.116,750. to 21 groups 6 different types of activities. Table 9 provides summary information on those grants.

The credit scheme designed by SCOR is almost ready for acceptance by two banks. Bank of Ceylon has accepted the credit scheme in principle under which user organizations will be able to receive a loan 4 times greater than the collateral they would deposit in the bank.

Table 9

USER GRANTS

No of Grants to Groups	Purpose	Amount Granted Rs.
4	Nilwala Watershed Seed Paddy Enterprise	41,000
7	Plant Nursery Establishment	24,000
7	Anthurium Planting	30,000
1	Coconut cultivation	6,500
1	Model Stream Garden Development	5,500
1	Forest reservation tree planting	9,750
21	Sub Total	116,750
	Huruluwewa watershed	
1	Cultivation of Other Field Crops	11,250
22	TOTAL	128,000

(d) **Host Country Contribution (HCC)**

The value of Host Country contribution in respect of the value of contribution by resources users, Government officials with their staff time, and the use of sub grants by the users as at end of the second quarter is Rs. 1,366,351.

This achievement is against the target set as follows.

1. Value of time spent by farm households on project activities and investment of labour and capital in land and water conservation by farmers. Target US\$ 416,000 (US\$2.5 million/6).
2. Sub grants from PL480 Title III local currencies. Target US\$ 83,300 (US\$500,000/6).
3. Salaries of Sri Lankan officials prorated for the amount of time spent on project activities. Target US\$ 22,500. (US\$135/6).

The current arrangement is to collect data on the items possible at this early stage of the project in relation to the HCC by way of government staff time and resources provided, any in kind contribution of resources users and their time on SCOR related activities, and the value of sub grants. Arrangements have been made to collect data on farm investments at the time the effects are visible of such investments.

Table 10 presents the HCC up to the end of the first quarter based on information extracted from the databases maintained by the two watershed offices.

Table 10

**SUMMARY REPORT ON HOST COUNTRY CONTRIBUTION (HCC)
25.10.93 - 30.06.94**

Description	Nilwala		Huruluwewa		Total Number of persons	Total HCC (Rs.)
	Number of persons	HCC (Rs.)	Number of persons	HCC (Rs.)		
Contribution of NGOs, groups, farm households, and individuals by way of time/labour, and materials supplied	1,895	318,776	2,972	736,538	4,867	1,055,314
Value of conserved capital assets	0	0	0	0	0	0
Value of sub Grants	0	116,750	0	11,250	0	128,000
Govt. officers contribution	740	79,499	270	103,538	1010	183,037
Total	2,635	515,025	3,242	851,326	5,877	1,366,351

(e) Research

The research component of SCOR project has been designed to generate knowledge on topics of great research interest in relation to land and water resource management in watersheds. Such knowledge is expected to be useful as input to the articulation of watershed resources management models while supplementing the implementation process.

Work has been commenced on 19 research projects out of the total of 35 listed for consideration. A review on the research will be undertaken to determine the final selection of research projects in view of priority.

Table 11 presents the current status of research activity under SCOR project.

Table 11

**CURRENT STATUS OF RESEARCH
AS AT 30TH JUNE 1994**

No	Name of Study	Period of MRP	Present Status
1	Prepare 1986 Land use maps, identify sub-watersheds and develop indicative land use plans for sub watersheds.	18 weeks from 15th August 1993	<u>Completed</u>
2	Land Use studies establish benchmarks & preparation of maps for Nilwala watershed [related to (11)]	12 months from 20th April '94	Work in progress
3	Land use studies, establish benchmarks and preparation of maps for Huruluwewa watershed [related to (11)]	12 months from 20th April '94	Work in progress
4	Integrated Water Resources Management in the Huruluwewa watershed - Water balance study, allocation models, seasonal planning, intra-seasonal management organizations.	Nov. '93 to Sept. '95 and beyond	Work in progress
5	Ground water development and conjunctive use of rainfall, ground water and surface water [related to (4) above]	Nov. '93 to Sept. '95 and beyond	Work in progress
6	Rainfall trends, surface water balance & vegetation change in the Huruluwewa watershed.	15 months from 01 July '94	Work in progress
7	Data needs for Baseline and M&E Studies on Integrated Water Management [related to (4) and (11)]	15 months from 01 May 1994	Work in progress
8	Data needs for agro-well & Ground Water Studies [related to (5) above]	15 months from 01 May 1994	Work in progress
9	M&E research on land use improvement in Nilwala Watershed [related to (11)]	-	Subject to approval for the budget.
10	Microscale spatial Variations of Rainfall in a Watershed : A case study in the Huruluwewa - Yan Oya watershed	-	Work in progress.
11	Baseline Survey of Watersheds Management in regard to resource use.		Work in progress
12	Crops/Livestock Yield, profitability and other socio-economic aspects in Nilwala watershed.	17 months	Contract letter sent
13	Monitoring & Evaluation		Work in progress

Contd...

14	Testing different organizational and business modes for production and protection, ranging from informal groups to production/processing/service companies.	-	-
15	Policy research on different modes of state-user partnerships and obtain legal recognition to tested modes.	-	-
16	Action Research study on Special SCOR interventions in the Huruluwewa feeder canal area	01 July '94 - 30 June '95	Work in progress
17	Action Research study on Institutional Support for Project of Resource User Organization.	01 July '94 - 30 June '95	Contract letter sent
18	Research on Process Documentation.	01 Aug. '95 - 01 Aug. '95	Discussions are underway
19	Effects of conservation measures under SCOR Project in Huruluwewa Watershed	-	Contract letter sent
20	An analysis of demand supply and price - relations aimed at production scheduling	03 1/2 months from 06 July 1993	Completed.
21	Evaluation of Profitability and Productivity of onion, tomato and rice under different irrigation and technology regimes.	-	Work in progress.
22	An Economic Assessment of Homestead Resources in Huruluwewa.	-	Proposal accepted by PGIA. The work in progress. IIM/SLFO to supervise the study and to help in preparation of report.
23	Evaluation of the potential homestead in the Upper Nilwala watershed.	-	Work in progress.
24	A study on adoption of the tea sector in Upper Nilwala watershed.	-	Work in progress.
25	Eco-tourism in the Huruluwewa watershed and its Environs	-	Proposal is being reviewed.
26	Bio-diversity	-	Proposal is being prepared.

Contd...

27	Impact of Land Tenure Part I - Literature Review (Piyasena Ganewatte) Part II - Micro Level Analysis	01 Aug. '94 -	Work in progress. Proposal ready
28	Labour productivity in Tea Land	-	Proposal is ready
29	Land consolidation in Small Tanks	-	Proposal is being prepared.
30	Feasibility study on Production & Processing of Medicinal Plants - A component of land & water conservation efforts in the dry zone.	07 May - 21 June '94	Prepared a draft report.
31	SCOR - Training a) preparation of a tentative master plan of all kinds of SCOR training activities. b) periodic reporting of SCOR training. c) preparation of final report on SCOR training	-	-
32	Experimentation of Land Consolidation in the Ulankulama Village Tank scheme in Anuradhapura - Case study documentation.	06 weeks from 20 Aug. - 01 Oct. '93	Completed.
33	Projects dealing with crops and crop production in the Nilwala Watershed.	02 months from 15 December 1993	Almost completed.
34	Financial Management relevant to SCOR user organization	21 April - 03 May '94	Assignment completed.
35	Integrated Watershed Resource Management Planning		

All research that have bearing on project implementation are in progress.

8. SPATIAL ASPECTS OF PERFORMANCE

The spatial distribution of the groups and the user grants in the four sub watersheds of the Upper Nilwala Watershed appears on map 1.

Map 2 presents the direction of how the groups will expand horizontally covering the area with different activities while growing vertically by linking the groups to organizations at a higher level.

Map 3 combines slope data and plot data of the Aninkanda (Annasidola) model production and protection area where SCOR interventions are expected to cover the total extent of land. Slope categories were computed and classified showing the areas under stress. Plot data from the participatory resource survey undertaken by the watershed office with resources users and officials were used to superimpose each plot on the slope map so that the combined map can give information that would provide new information that would lead action. This is facilitated by pointing the area under stress, and the plots in those areas. Since the map is linked to a database, data available on who occupies what land plot with what land use etc. can be further analyzed highlighting the spatial aspects extracting more information from the data set. This analysis and mapping work is now in progress.

Map 4 shows locations of measurement points for data collection on the rainfall, soil loss, sediment transportation, water quality and other relevant aspects of the baseline conditions and the change after interventions.

Map 5 presents Mahameegaswewa Model Production and Protection Area in the Huruluwewa watershed. This map was produced by computerizing the map output by the participatory resources use survey and mapping undertaken by the Huruluwewa team with the resources users and officials. The map shows each land holding occupied and cropped by the resources users. This map is linked to a data base of each holding. The map will be used as a base map for the formulation of the first mini-project that will be submitted to the Bank under the credit scheme of SCOR project.

PROGRESS OF RESOURCE USER GROUP FORMATION BY SUB WATERSHEDS

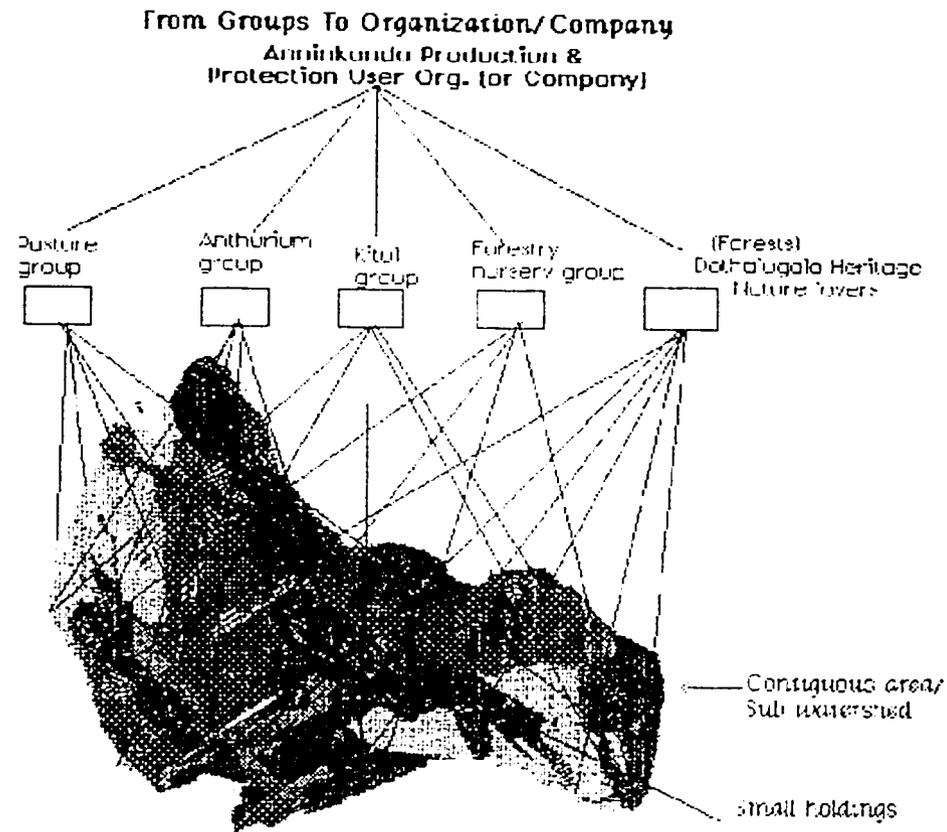


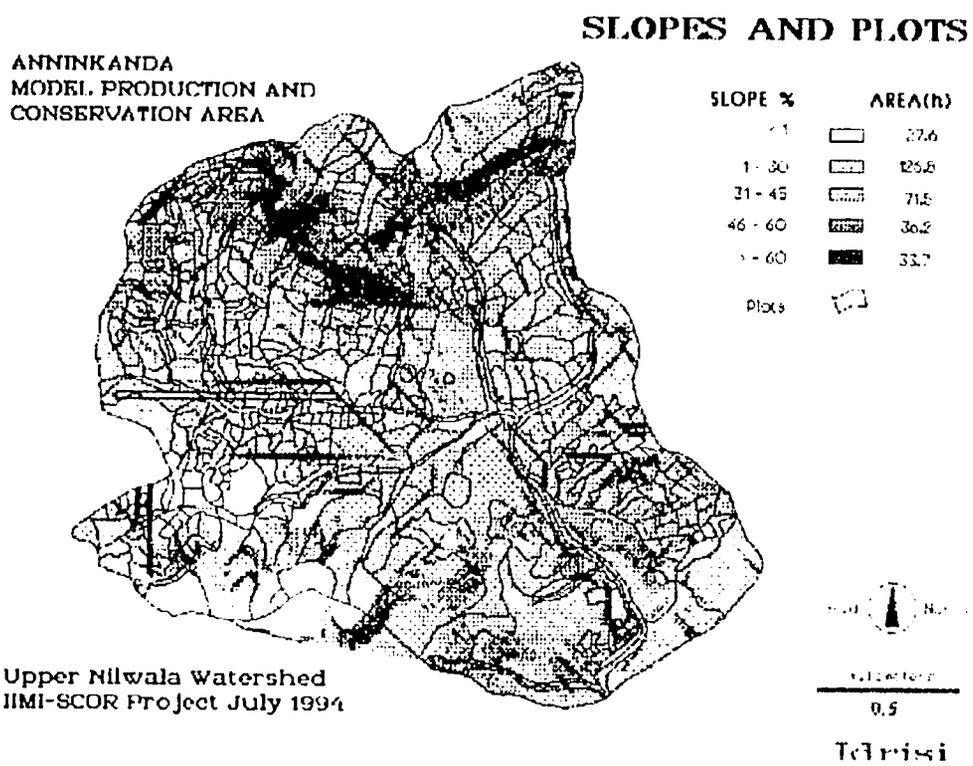
UPPER NILWALA WATERSHED

	SUB WATERSHEDS				TOTAL
	Millawa	Aninkanda	Horagala	Diyadawa Thanipita	
No of Resource User Groups	17	20	14	20	71
No. of Members	290	193	340	239	1062
Male	251	138	311	223	923
Female	39	55	29	16	139
No. of user grants	05	09	03	04	21
Amount (Rs.)	26,600	50,150	12,000	28,000	116,750
Population	4,400	5,900	3,070	9,750	23,120
Area (ha.)	1,434	1,228	925	1,631	5,218

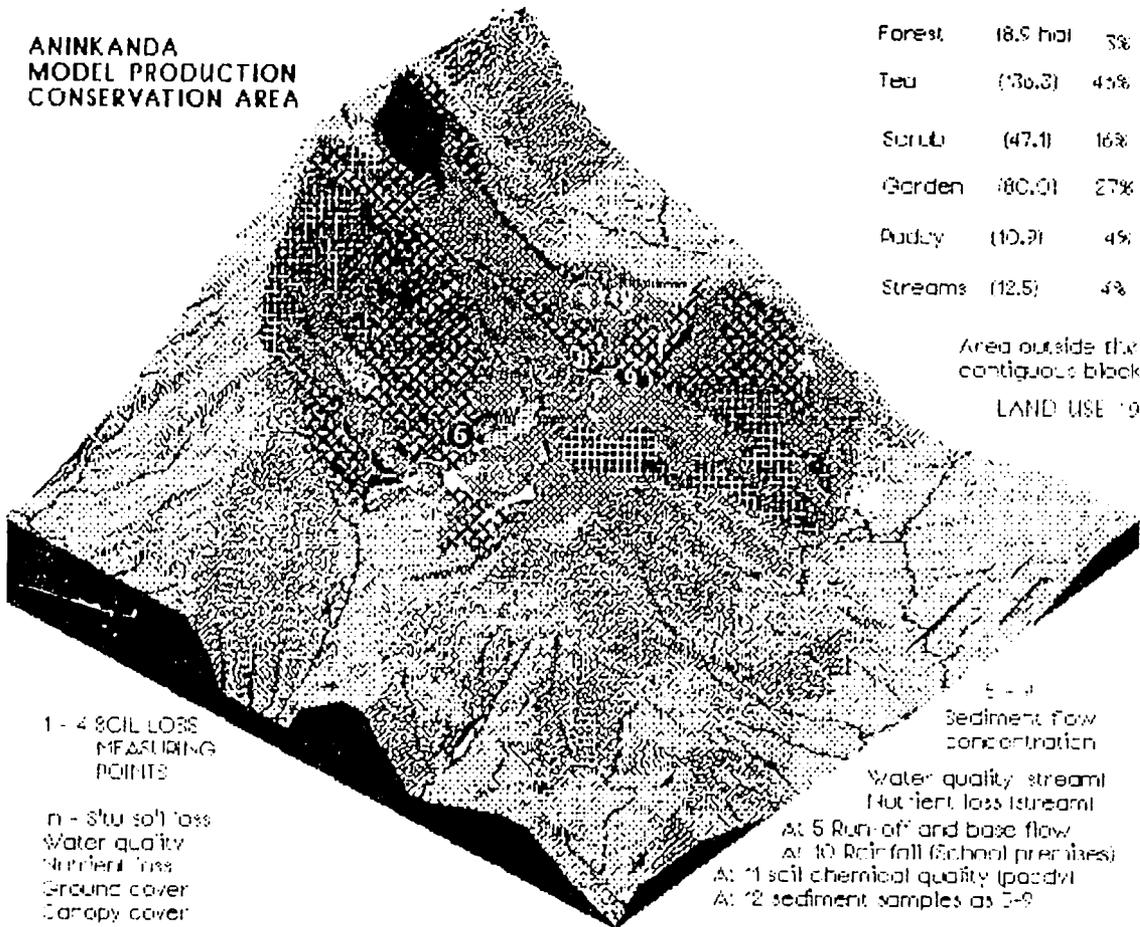
PROGRESS UPTO END OF 2ND QUARTER '94

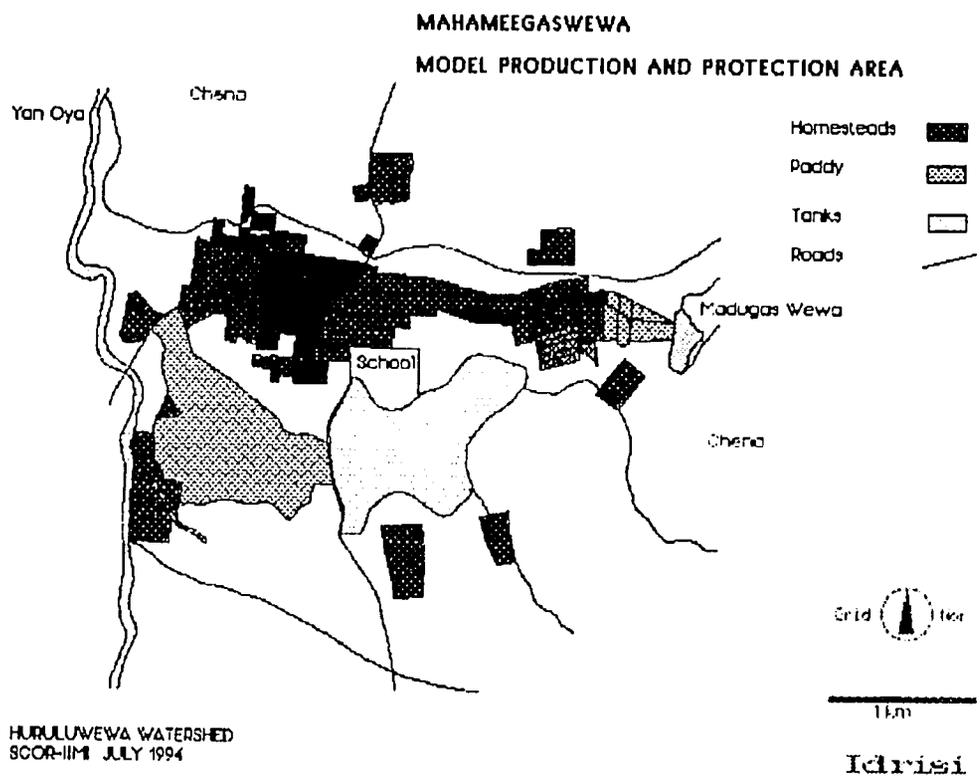
A SCHEMATIC PRESENTATION TO ILLUSTRATE GROUP, ORGANIZATIONS AND (SUB) COUNCIL FORMATION IN A MICRO WATERSHED/CONTIGUOUS PILOT AREA





**ANINKANDA
MODEL PRODUCTION
CONSERVATION AREA**





HURULUWEWA WATERSHED
SCOR-IIMI JULY 1994

9. FINANCIAL PROGRESS

9.1 Budget versus expenditure by major categories for the quarter

The total expenditure incurred by SCOR during the second quarter is US\$ 299,320 (Rs.14,693,619). This marks 78% of fund utilization out of a targeted amount of US\$ 385,850 (Rs.18,941,377) (US\$ 1 = Rs. 49.09). Table 12 gives details of budget and expenditure by major items.

The total expenditure of Rs.14.7 million for the second quarter includes Rs.4.9 million for the purchase of vehicles.

Figure 1 presents the financial progress achieved by Percentage by major line items during the quarter.

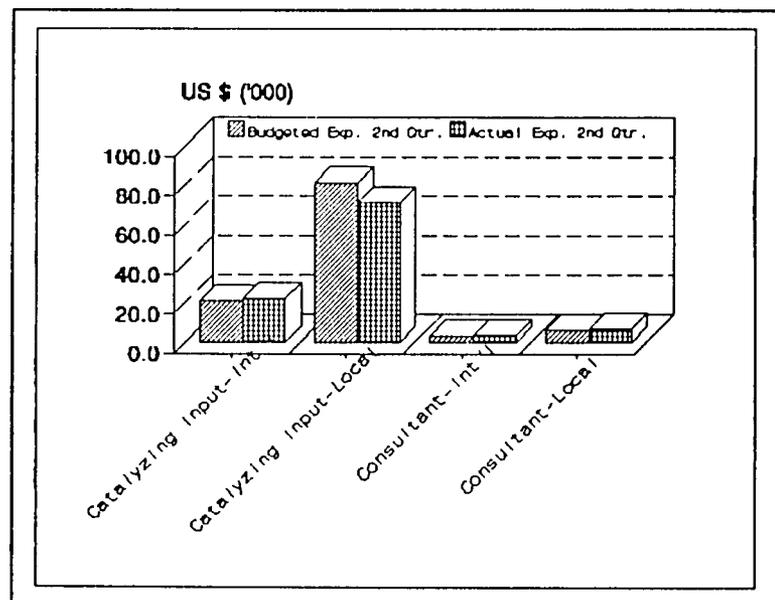
Six line items have exceeded the budget for the quarter by US\$ 3100 while a saving of US\$ 33,000 has been recorded in respect of 7 items.

BUDGETED EXPENDITURE VERSUS ACTUAL EXPENDITURE BY MAJOR CATEGORIES 2ND QUARTER '94 - SCOR PROJECT

Expenditure Category	Budget	Expenditure
Catalyzing inputs - Int'l	21.01	22.25
Catalyzing inputs - Local	81.00	70.91
Consultant - Int'l	3.30	3.35
Consultant - Local	6.00	6.69

The saving in the catalyzing inputs (local) is due to the delayed recruitment of drivers for the vehicles until the vehicles were imported.

The slight excess expenditure borne during the past under the three other line items can be absorbed to the budget for the balance period of the project.



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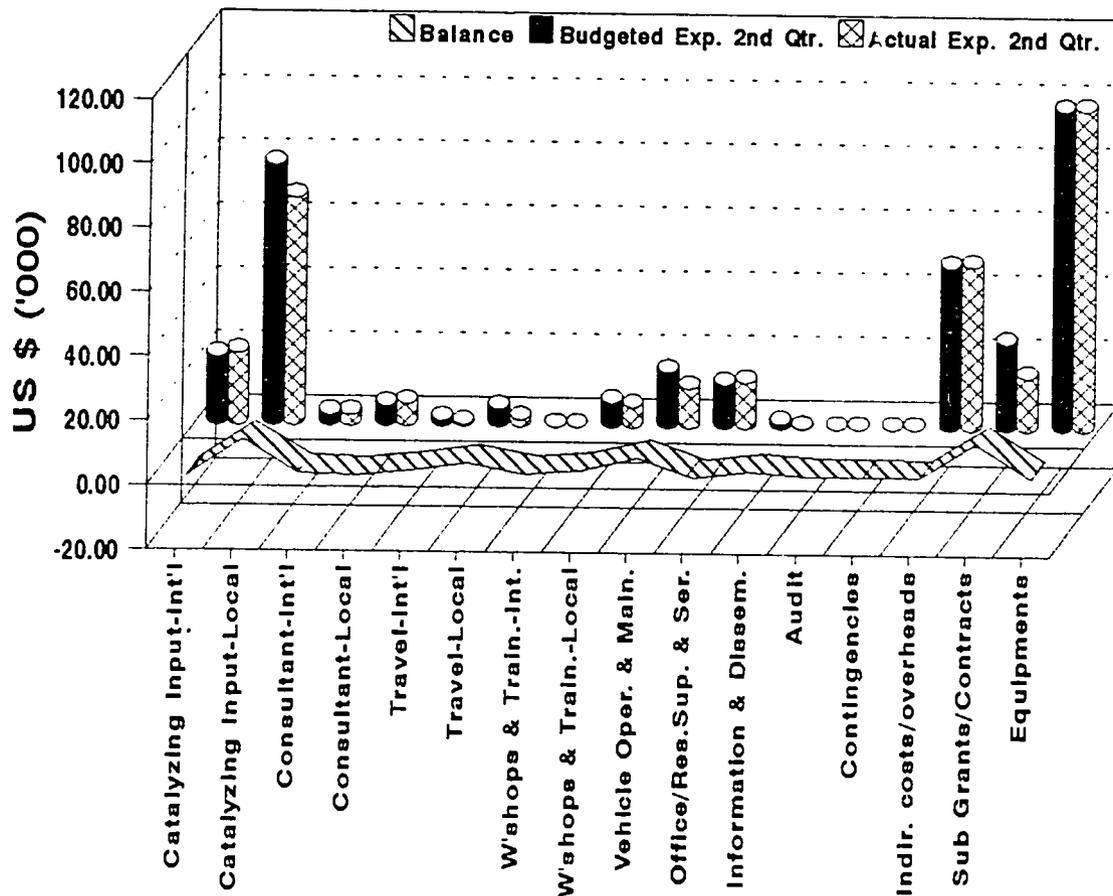
BUDGET VERSUS ACTUAL EXPENDITURE FOR 2ND QTR. 1994

Description	Budgeted Exp. April	Actual Exp. April	Budgeted Exp. May	Actual Exp. May	Budgeted Exp. June	Actual Exp. June	Total Budget for 2nd qtr.	Total Exp for 2nd qtr.	Balance
Salaries Benifits & All									
Int'l	6,800	7,416	6,800	7,416	7,416	7,416	21,016	22,248	(1,232)
Local	27,000	21,579	27,000	24,496	27,000	24,834	81,000	70,909	10,091
Consultant									
Int'l	0	0	3,300	3,355	0	0	3,300	3,355	(55)
Local	2,000	2,283	2,000	2,071	2,000	2,342	6,000	6,696	(696)
Travel									
Int'l	0	0	1,700	0	0	613	1,700	613	1,087
Local	1,800	358	1,800	624	1,800	1,105	5,400	2,087	3,313
Workshops & Training									
Int'l	0	0	0	0	0	0	0	0	0
Local	2,500	1,173	2,500	2,462	2,500	2,554	7,500	6,189	1,311
Other Direct Costs									
Vehicle Oper. & Main.	7,000	4,402	8,000	4,302	2,300	3,413	17,300	12,117	5,183
Office/Research Supp. & Ser.	4,500	2,643	4,500	6,165	4,500	5,356	13,500	14,164	(664)
Information & Dissemination	500	0	500	30	500	57	1,500	87	1,413
Audit	0	0	0	0	0	0	0	0	0
Contingencies	0	0	0	0	0	0	0	0	0
Indirect costs/ Overheads (32%)	16,672	12,753	18,592	16,295	15,365	15,261	50,629	44,309	6,320
Sub Grants/Sub contracts	6,000	617	10,000	14,020	11,000	1,770	27,000	16,407	10,593
Equipments	30,000	0	50,000	100,148	20,000	0	100,000	100,148	(148)
Total	104,772	53,224	136,692	181,384	94,381	64,721	335,845	299,329	36,516

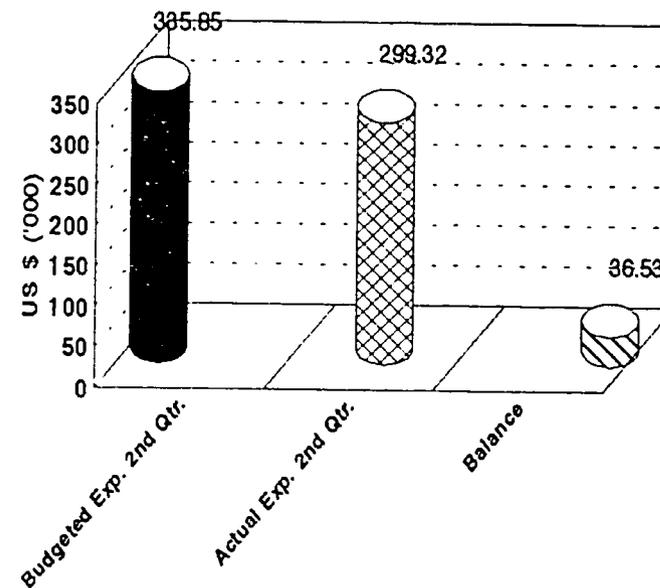
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Figure 1

BUDGET VERSUS EXPENDITURE BY MAJOR CATEGORIES - SCOR PROJECT 2ND Quarter - 1994



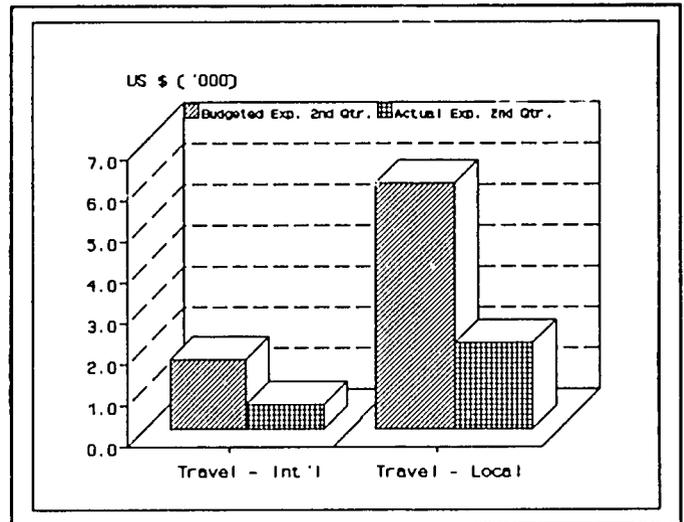
TOTAL



Balance	-1.23	10.09	-0.06	-0.70	1.09	3.31	0.00	1.31	5.18	-0.66	1.41	0.00	0.00	-0.21	10.59	-0.15
Budgeted Exp. 2nd Qtr.	21.02	81.00	3.30	6.00	1.70	5.40	0.00	7.50	17.30	13.50	1.50	0.00	0.00	50.63	27.00	100.00
Actual Exp. 2nd Qtr.	22.25	70.91	3.36	6.70	0.61	2.09	0.00	6.19	12.12	14.16	0.09	0.00	0.00	50.84	16.41	100.15
%	105.86	87.54	101.61	111.67	36.06	38.65		82.52	70.04	104.92	5.80			100.41	60.77	100.15

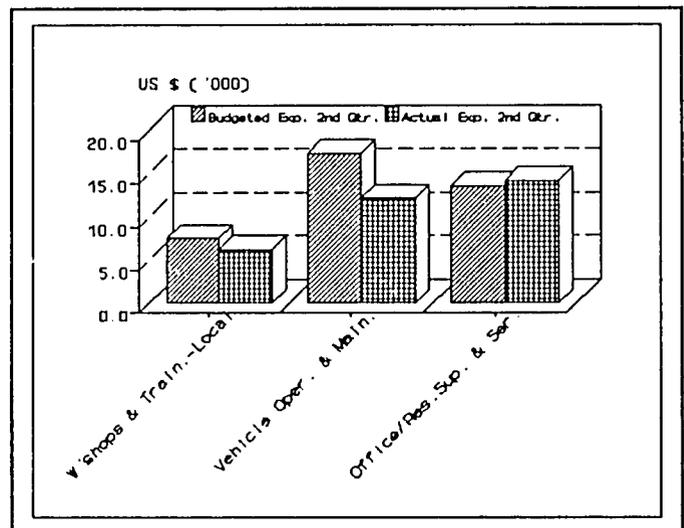
Expenditure Category	Budget	Expenditure
Travel - Int'l	1.70	0.61
Travel - Local	5.40	2.08

The saving from the international and local travel budget will be utilized with the expanding activities of both watersheds.



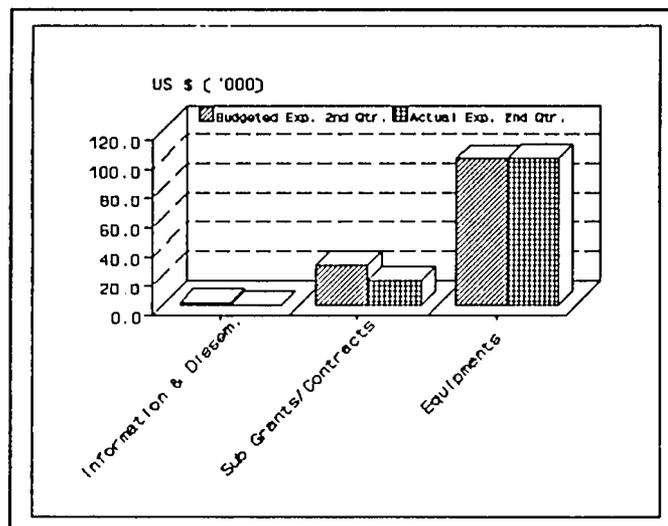
Expenditure Category	Budget	Expenditure
Workshops & Training - Local	7.50	6.19
Vehicle Operation & Maintenance	17.30	12.12
Office Research Supplies & Services	13.50	14.16

The over expenditure on Office research supplies and equipment is due to the rent paid in advance as rent for houses rented out for the two watersheds.



Expenditure Category	Budget	Expenditure
Information & Dissemination	1.50	0.87
Sub grants/Sub contracts	27.00	16.41
Equipments	100.00	100.15

The sub grant component records the highest saving. The reason for this is the time required for the groups to mature and form their organizations to be eligible for such grants and the careful appraisal needed before awarding any grants to groups. The credit scheme that was negotiated with the Bank of Ceylon has been accepted in principle and it is likely that fund utilization will increase in the third quarter. The excess expenditure recorded under equipment is due to the carry over expenditure from the last quarter.

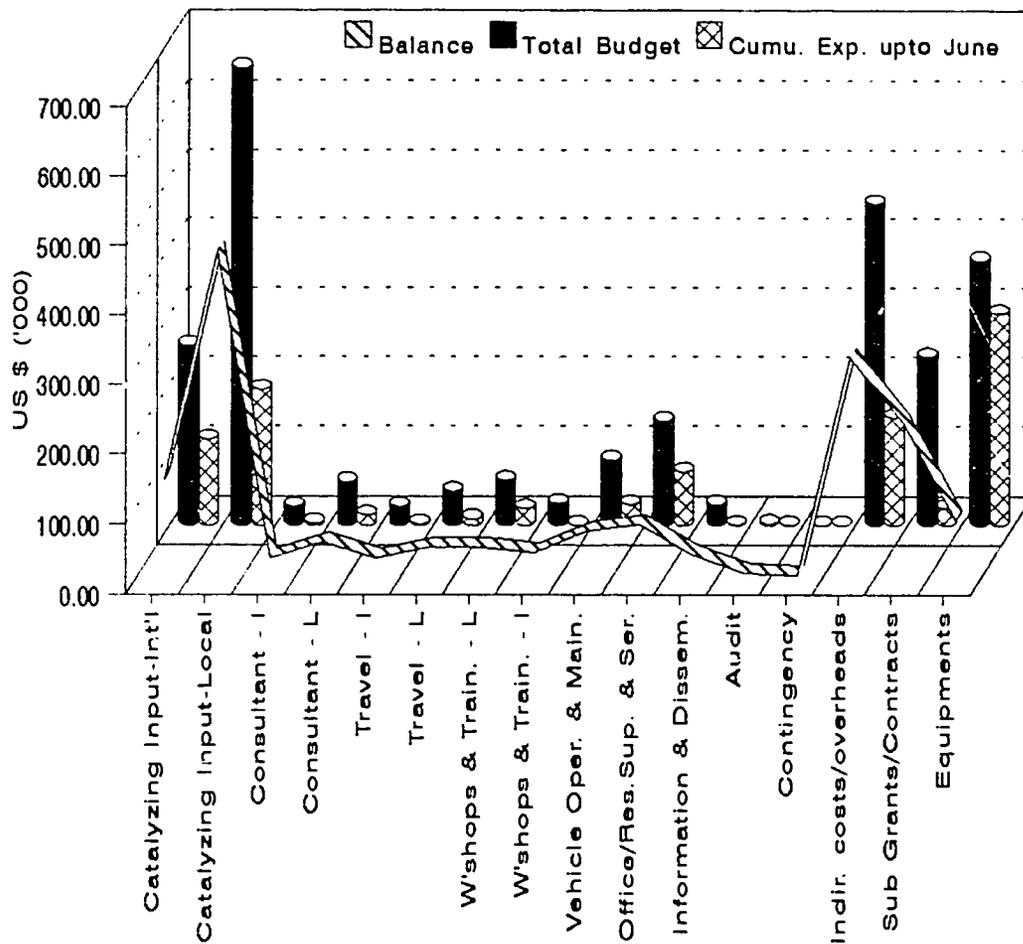


9.2 Total Budget versus expenditure by major categories

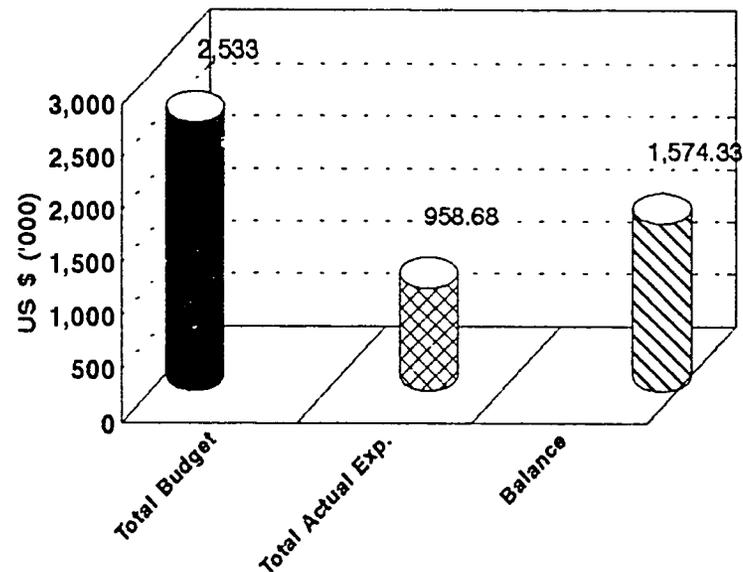
The financial progress achieved as at end of the second quarter reflects 38% of resources utilization out of the total project allocation of US\$ 2.5 million (Rs.124 million) for the two year period. Figure 2 presents the total expenditure incurred as at end of June 1994 out of the total budget for the first phase of two years of SCOR project.

Figure 2

LIFE OF PROJECT BUDGET VERSUS CUMULATIVE EXPENDITURE BY MAJOR CATEGORIES - SCOR PROJECT
JUNE '93 TO JUNE '94



TOTAL



Balance	134.87	464.77	23.75	46.55	24.39	38.98	39.99	31.30	62.50	72.00	28.50	2.50	0.00	310.47	216.49	77.28
Total Budget	257.00	659.00	27.10	61.70	26.80	48.60	64.20	31.30	92.30	148.00	29.20	2.50	0.00	463.30	241.00	381.00
Cumu Exp upto June	122.13	194.23	3.36	15.15	2.41	9.62	24.21	0.00	29.80	76.00	0.70	0.00	0.00	152.84	24.51	303.72
%	47.52	29.47	12.38	24.55	9.00	19.80	37.71	0.00	32.29	51.35	2.40	0.00		32.93	10.17	79.72

10. MAJOR ISSUES TO BE RESOLVED

No major issues were recorded during the quarter that needed national level intervention or beyond except the issue of the absence of mechanisms to issue user rights on road, stream and channel reservations, that could not be resolved locally. While negotiations continue with the Ministry of Lands and Documents are being prepared to be used in the discussions on this issue for a procedural change, the two watershed teams have undertaken activities with the resources users and the relevant government officials to demonstrate the necessity of the need for formalizing user rights so that policy/procedural change can fallow.

The project experienced difficulty in the procurement of motor cycles to the female catalysts who experience much hardships in transport in difficult terrain in the watersheds. The project had to request the catalysts to purchase bicycles out of their personal funds since the current procedures do not allow such procurement.

The project also suffers from inadequacy of staff and computer equipment for data collection, processing and analysis within the watershed Management Information System. The MIS has been designed to undertake data entry and initial processing and analysis of data for the extraction of information for immediate use in the MIS of the watershed office. The two watershed offices will have to be provided with two research officers each with computer facility without any delay to clear the backlog of already accumulated baseline and research data.