

# SHARED CONTROL OF NATURAL RESOURCES (SCOR)

SCOR PROGRESS  
3rd Quarter  
1994



**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.

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## 1. INTRODUCTION

The third quarter of 1994 marks intensification of field activities involved with planning for the production/protection interventions in the pilot watersheds of SCOR project. This report presents the physical and financial progress achieved by the catalizing process of SCOR project during the third quarter ending on 30th of September 1994.

This presentation of SCOR progress characterizes the current status of project performance in a summary form using a set of strategic and program outcome level indicators with details by activities. Reference is given to relevant documents available in report form to give details of the process and quality of achievement in respect of major events of performance. Such documents are 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 3 strategic level indicators. 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 referring to documents that carry further details of the activity and process involved.

Spatial distribution of project activities with the status of progress is presented in maps where a visual presentation is considered appropriate.

## 2. PROJECT INPUTS

### 2.1 Financial Inputs

ITEM	UNIT	LOP TARGET	TOTAL TODATE	CY94 ACTUAL/PLAN
1. Budgeted expenditure	US\$ ('000)	2533.00	1150.59	737.2/1259.9
2. User grants	US\$ ('000)	241.00	34.43	30.76/140.0
3. Host country contribution	Rs. (M)	26.10	12.5	12.5/13

## **2.2 Budgeted Expenditure**

The project utilized 80 % of the planned financial inputs for the quarter. Annex 1 presents the actual expenditure out of the budget by major line items. Annex 2 compares allocation and expenditure on major items. Annex 3 presents the actual expenditure out of the budgeted allocation for the third quarter. Annex 4 presents the actual expenditure out of the budget for the year 1994. Annex 5 presents the actual expenditure out of the budgeted allocation for the life of project first phase.

## **2.3 User Grants**

The input use under user grants as at end of the third quarter was Rs. 231,318 on 29 small projects. Planning of 18 mini projects that will utilize grants to the value of approximately Rs. 2 million was completed during the quarter. Annex 6 presents details of user grants, their distribution and the output and effects.

## **2.4 Host country contribution**

The host country contribution as at end of the third quarter is Rs.12.5 million out of a target of Rs. 13 million for the current year. Annex 7 presents the details of the host country contribution.

## **2.5 Training**

SCOR provided 1765 training opportunities during the quarter to resources users in resources use planning, organization, marketing and group dynamics using a financial input of US\$ 5407 (Rs. 264,943) out of a target of US\$ 7500 (Rs.387,100) marking 72 % use of the allocation. Annex 8 gives details of the input utilization on training. The performance indicators provide information on the effects of the training opportunities used.

## **2.6 Group formation and strengthening**

During the third quarter 19 user groups have been formed making the total number of user groups to 138. Classification of 134 groups appears on annex 9 and 10 for the two watersheds. An assessment of group maturity status made on 108 resources user groups revealed that one group received "A" status while 15 groups were on status "B", 35 groups were on status "C" and 75 groups were on status "D" according to the criteria adopted by the project. Annex 11 presents a summary account of this assessment.

SCOR teams interacted with 33 existing and new user organizations involving them in seasonal cultivation planning and other conservation and production activities.

### 3. PERFORMANCE BY STRATEGIC AND PROGRAMME OUTCOME INDICATORS

#### 3.1 Performance by strategic indicators

Performance (SCOR)	Last Year US\$	First quarter	Second quarter	Third quarter	Fourth quarter	Total
Planned Expenditure	864,867	293,910	335,845	239,736	349,541	1,219,032
Actual Expenditure	412,126	245,929	299,329	191,945		737,203
% Achieved	48	84	89	80	0	60
Host Country Contribution Planned		18,000	15,000	230,000	7,000	270,000
Actual		16,164	11,720	227,025		254,910
% Achieved		90	78	99	0	94

#### 3.2 Project purpose level indicators

Strategic level indicator	Unit	Baseline Yr. Value	LOP Target	Total Todate	CY 94 Actual/ Plan
1. Targeted hectares under improved production and protection techniques,	Hec.	92 0	6,000	1554	1554/1500
2. Value of targeted investment by the resource users in environmentally sound production practices	\$Mn	92 0	0.5		0.22/0.15
3. Government policy decisions initiated	No.	92 0	3	1	1/0

### 3.3 Performance by program outcome level indicators

Programme Outcome Level Indicator	Unit	Base Yr. Value	LOP Target	Total Todate	CY 94 Actual/plan
1. Targeted land area covered by agreements between GSL and user groups (Extent now under protection and production practices expecting user rights)*	Hec.	92 0	3,000	470	470/500
2. Farm households using improved environmental techniques	#	92 0	4,000	2634	2634/1500

\* In accordance with the National Steering Committee decision for demonstrating action for the required policy change.

Project Purpose Level Indicator	Unit	Base Yr. Value	LOP Target	Total Todate	CY 94 Actual/plan
1. Number of natural resources groups operating	#	92 0	150	138	138/150
2. No. of policy/procedures, organizational changes exacted and adopted	#	92 0	6	2	2/0

NP = Not Planned for this year

Project Output Targets/Performance	Base Yr. Value	LOP Target	Total Todate	CY 94 Actual/plan
1. User groups organized/assisted to take joint responsibility for management of land and water resources	0	150	138	138/150
2. Number of new commercial activities supported by linking to markets	0	50	21	21/20
3. Land leasing/usufruct agreements issued for establishments and functioning of production companies and commercial activities	0	10	NP	NP



Project Output Targets/Performance	Base Yr. Value	LOP Target	Total Todate	CY 94 Actual/ plan
4. Training opportunities provided to representatives of NGOs and other private sector organizations in participatory natural resources management	0	10,000	6023	6023/5000
5. Number of officials trained in local level planning, user groups formation, support and collaboration	0	2,000	438	135/500
6. Number of user organizations conferred with legal status and powers	0	20	18	18/20
7. Number of NGOs and private sector agencies providing technical, managerial and commercial information to user groups	0	8	5	6/8
8. Research studies completed on natural resources issues	0	7	2	2/2

### 3.3 PROGRESS BY MAJOR OUTPUT INDICATORS

Annex 12 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.

## 4. SPATIAL DISTRIBUTION OF PROJECT OUTPUT AND EFFECTS

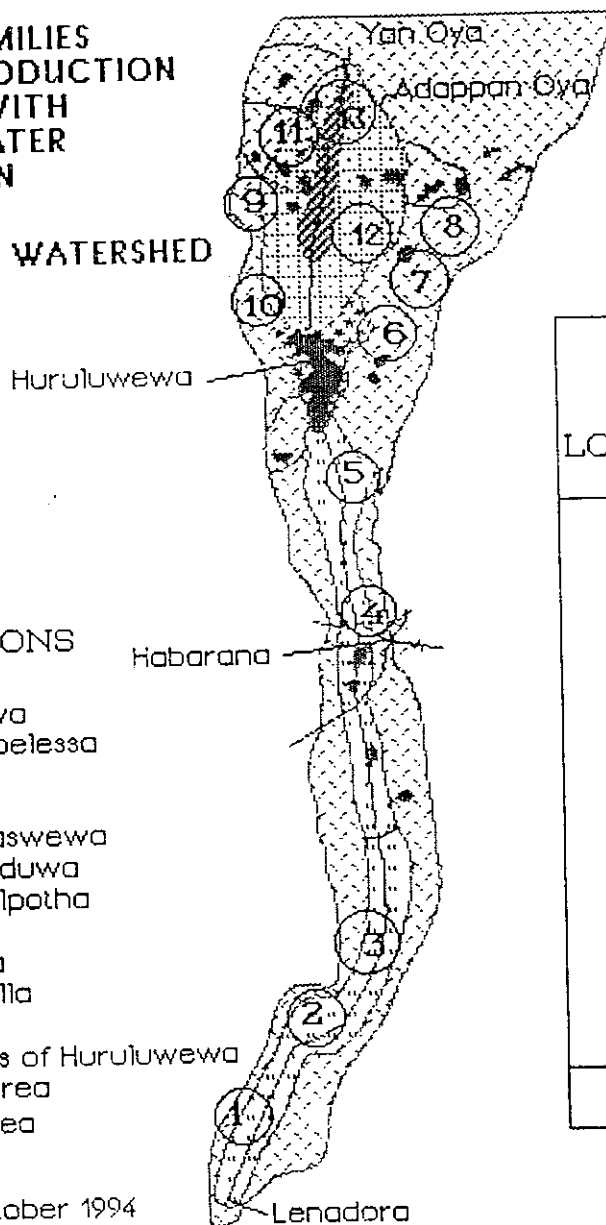
- 4.1 This section will elaborate on the outcome and the effects of interventions as indicated by the strategic, purpose and programme outcome level indicators. Information will be provided on what is happening, where in what degree and type with what future direction for impact.
- 4.2 Map 1 shows the distribution of sub-locations where activities under major interventions are undertaken in contiguous areas in the Huruluwewa watershed. At each sub-location participatory resources use survey and mapping work has been undertaken and maps at 1:3000 scale have been prepared showing land plots and their current land use. A plan of action has been developed with a map showing the change of land use for better resources use for each location. Mini-projects are being developed for the implementation of these plans and already 12 such projects have been prepared. Map 2 and 3 shows the current and planned land use of one such sub-location which has already

**AREA AND FAMILIES  
ADOPTING PRODUCTION  
TECHNIQUES WITH  
LAND AND WATER  
CONSERVATION**

**HURULUWEWA WATERSHED**

**SUBLOCATIONS**

- 1 Walgamwewa
- 2 Angunawelpelessa
- 3 Welangolla
- 4 Puwakpitiya
- 5 Mahameegaswewa
- 6 Padikaramaduwa
- 7 Garandiyaulpotha
- 8 Kokawewa
- 9 Ulpathgama
- 10 Maradankalla
- 11 Tract 6
- 12 Other tracts of Huruluwewa command area
- 13 Drainage area

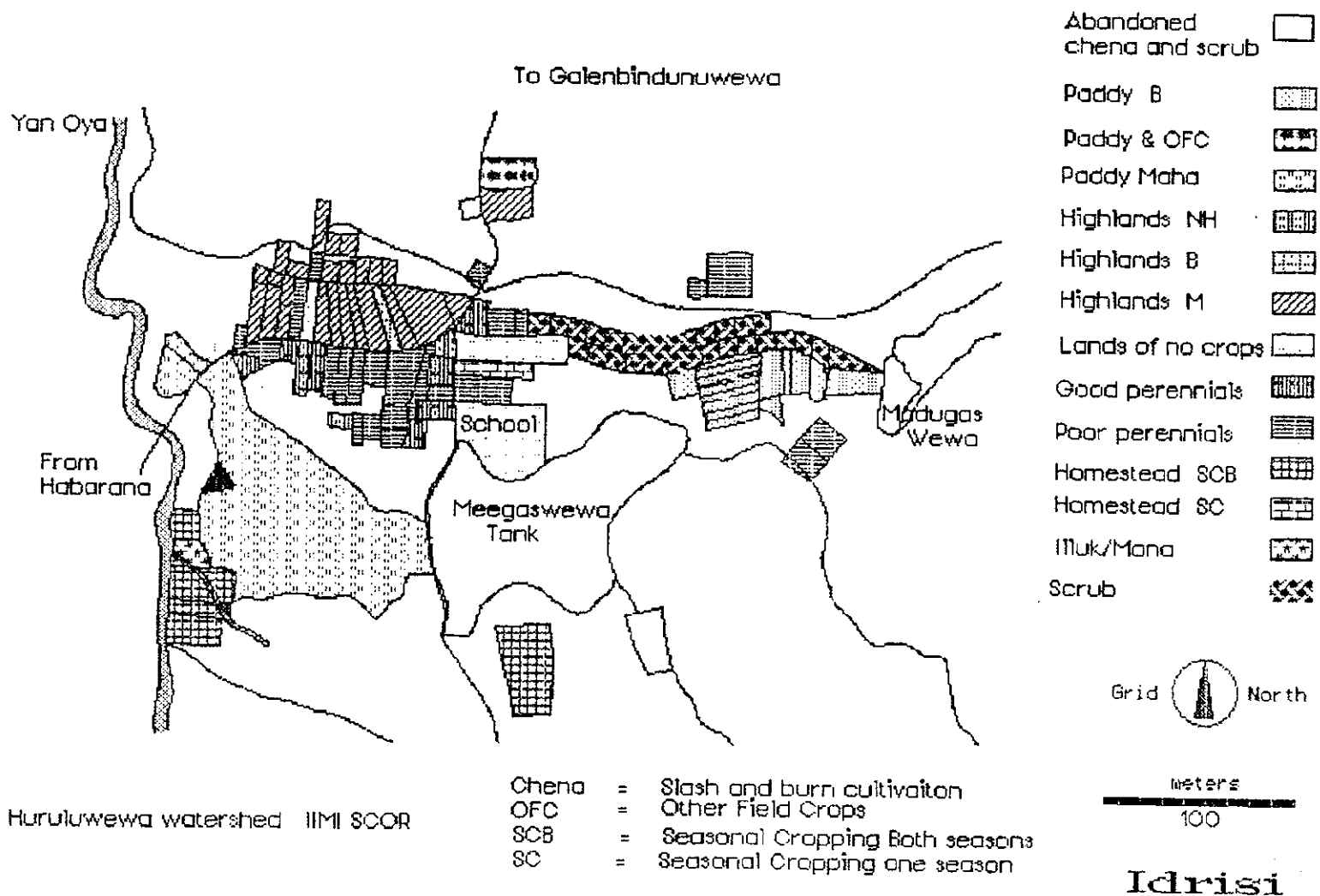


**PROJECT EFFECTS AND IMPACT**

- Huruluwewa command area
- Drainage area
- Huruluwewa tank eco system
- Yan Oya and feeder canal subwatersheds
- Other lands within watershed

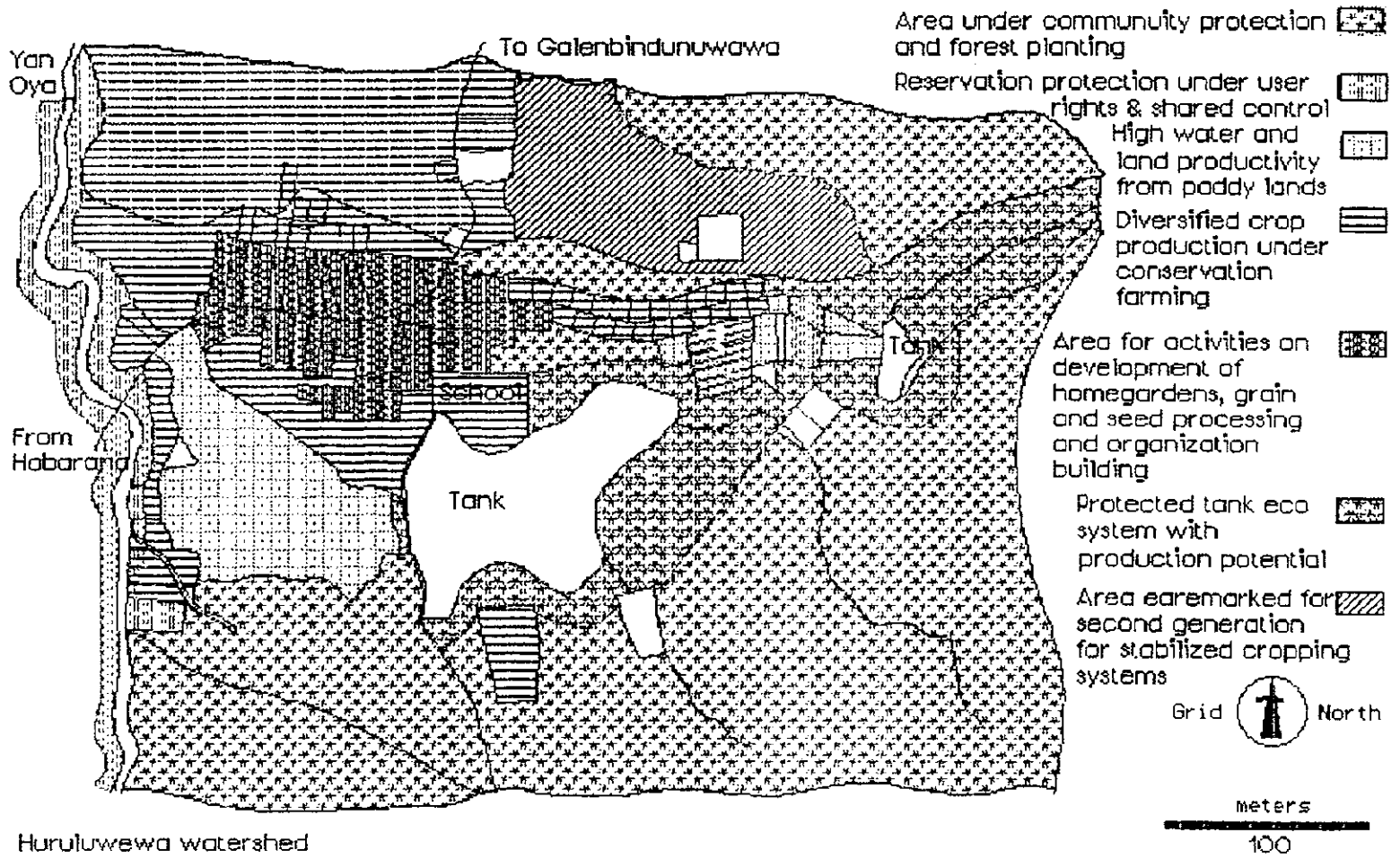
LOCATION	END OF THIRD QUARTER 1994 ACHIEVEMENT / LOP TARGET	
	AREA (ha)	FARM FAMILIES
1	115 / 451	168 / 648
2	15 / 564	112 / 488
3	2 / 193	42 / 284
4	143 / 225	50 / 126
5	46 / 163	53 / 343
6	82 / 364	140 / 160
7	48 / 304	82 / 210
8	73 / 103	71 / 153
9	39 / 94	177 / 324
10	34 / 28	40 / 28
11	252 / 168	400 / 300
12	405 / 1500	500 / 750
13	/ 300	
<b>TOTAL</b>	<b>1254 / 4457</b>	<b>1835 / 3814</b>

### MAHAMEEGASWEWA LAND USE - JANUARY 1994

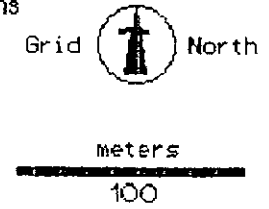


# PLANNED FUTURE LANDUSE FOR MAHAMEEGASWEWA

Map 3



Huruluwewa watershed  
 SCOR Project - IIMI August 1994



**Idrisi**

mobilized Rs.1.2 million credit from a commercial bank for the implementation of the plan using the SCOR sub grant of Rs.320,000 as collateral deposited in the bank. Participatory monitoring of this plan implementation is undertaken. Information extracted from the spatial databases created for the sub-location has been mapped with titles and legends in local language for the use of the resources users for the implementation and monitoring purposes.

- 4.3 Map 1 also presents the progress reported under the strategic level indicator # 1 in those sub locations. Map 4 shows the sub locations for the Upper Nilwala watershed. Map 5 and 6 presents the current land use and a micro level sub-location based plan for land use change by a newly formed NGO as an outcome of SCOR intervention in the Upper Nilwala watershed. The NGO has been awarded with a user grant of Rs.19,300 for the initial activities for production and protection. A project has been formulated to mobilize work valued at Rs.462,000 for the implementation of the plan.
- 4.4 Map 7 and 8 present another project at a sub-location with a mini project approved for implementation in the Upper Nilwala watershed.
- 4.5 Map 9 shows the extent of land targeted in Upper Nilwala to go under protection for which use rights will be arranged with the required policy change effected. In Huruluwewa the extent targeted for user rights for shared control is 702 hectares with a total of 1182 hectares during the first phase. Production and conservation measures had been undertaken by resources users in 450 hectares in the two watersheds under SCOR interventions to demonstrate action for the policy to change facilitating the grant of long term user rights.

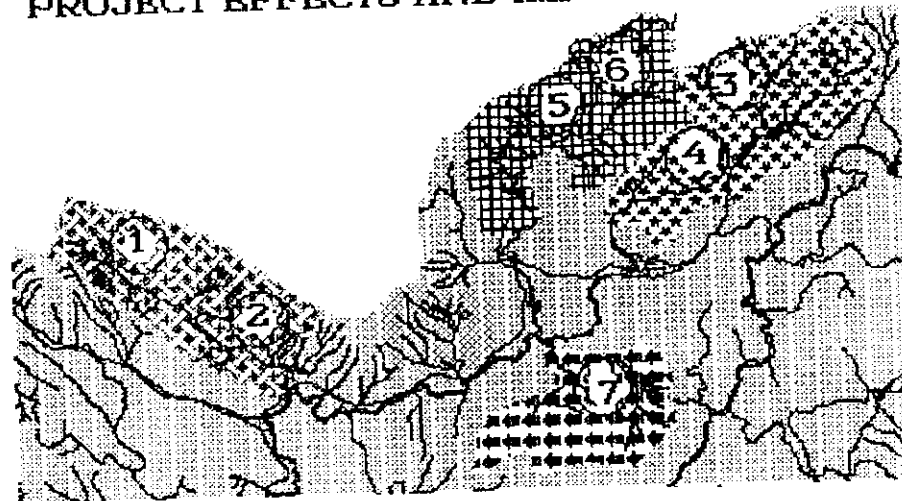
## **5. PROJECT TREATMENT AND EFFECTS**

### **HURULUWEWA WATERSHED**

- 5.1 Stabilized farming in place of shifting cultivation in chena and Encroached State Lands, awareness creation, training, passing technology and skills on conservation farming, linking government agency programme in social forestry with resource users' plans, and user grants mark the SCOR project treatment as input to action under this theme. The following effects were observed during the quarter.
1. Farmers established contour bunds on 484 hectares of farm lands during this season taking the first step for stabilized farming in place of shifting cultivation. They planted Pawatta plants that have a root structure that bind soil on the bunds together for bund stabilization and Gliricidia plants to add organic matter to enrich the soil. Visible evidence exist in the farm lands showing how farmers were cautious to allow drainage while increasing infiltration to the threshold level. The plants selected are naturally grown plants in the area.

**PROJECT EFFECTS AND IMPACT**

**AREA AND FAMILIES ADOPTING PRODUCTION TECHNIQUES WITH LAND AND WATER CONSERVATION**



**UPPER NILWALA WATERSHED**



**SUB WATERSHEDS**



Horagala 7		END OF THIRD QUARTER 1994 ACHIEVEMENT / LOP TARGET	
LOCATION	AREA (ha)	FARM FAMILIES	
Upper Millawa 1	41 / 242	175 / 400	
Millawa 2	27 / 253	150 / 395	
Aninkanda Dothalugala 3	77 / 227	120 / 250	
Aninkanda 4	46 / 273	110 / 350	
Diyadawa Thenipita 5	19 / 267	70 / 780	
Thenipita 6	44 / 207	114 / 191	
Horagala 7	46 / 248	60 / 351	
<b>TOTAL</b>	<b>300 / 1717</b>	<b>799 / 2717</b>	

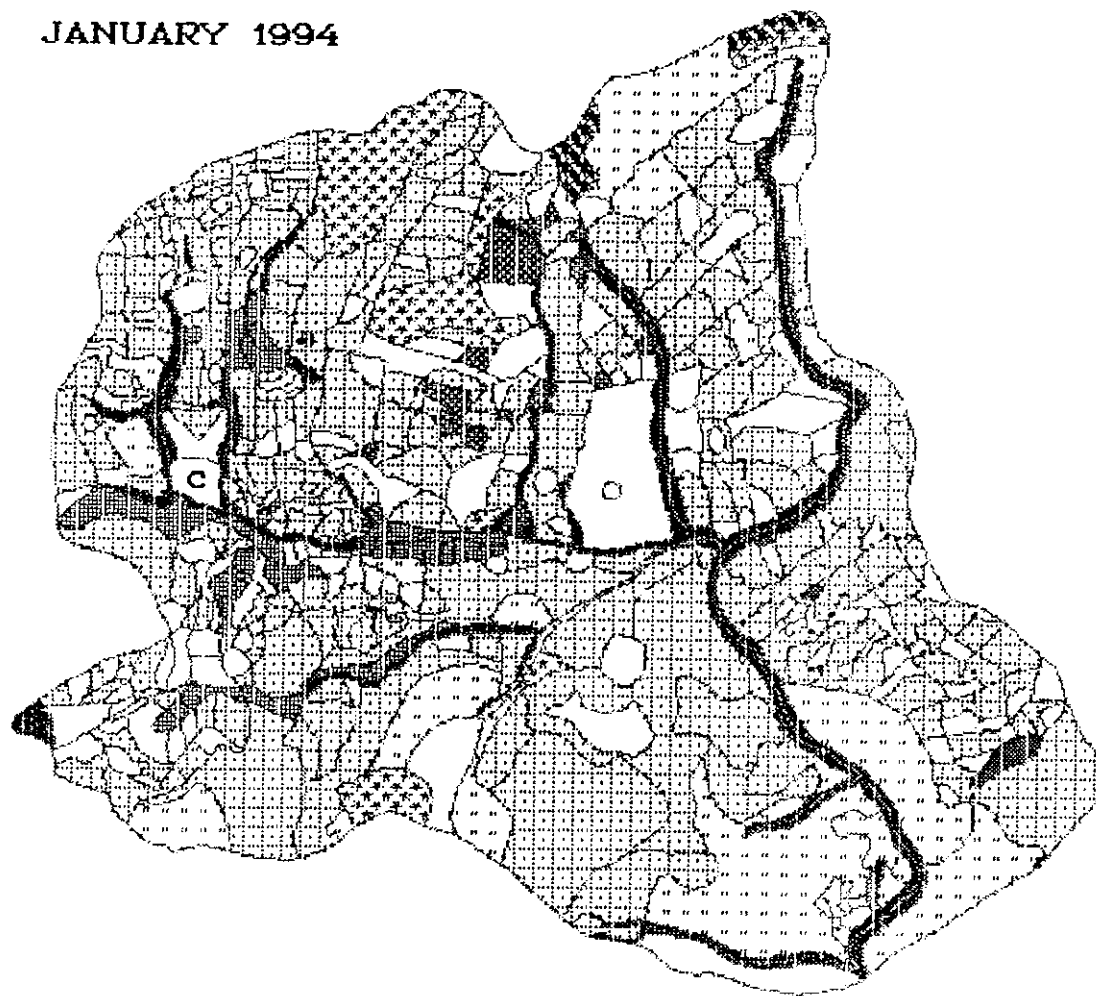
LOP = Life of project  
First phase









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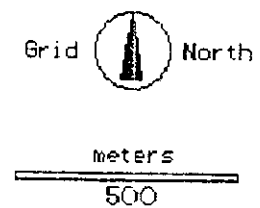
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# LAND USE - ANINKANDA MODEL PRODUCTION AND CONSERVATION AREA

JANUARY 1994



- Tea (57%) 
- Paddy (5%) 
- Open forest (5%) 
- Dense forest (1%) 
- Scrub (15%) 
- Stream reservation 
- Mixed crops (5%) 
- Cemetery 

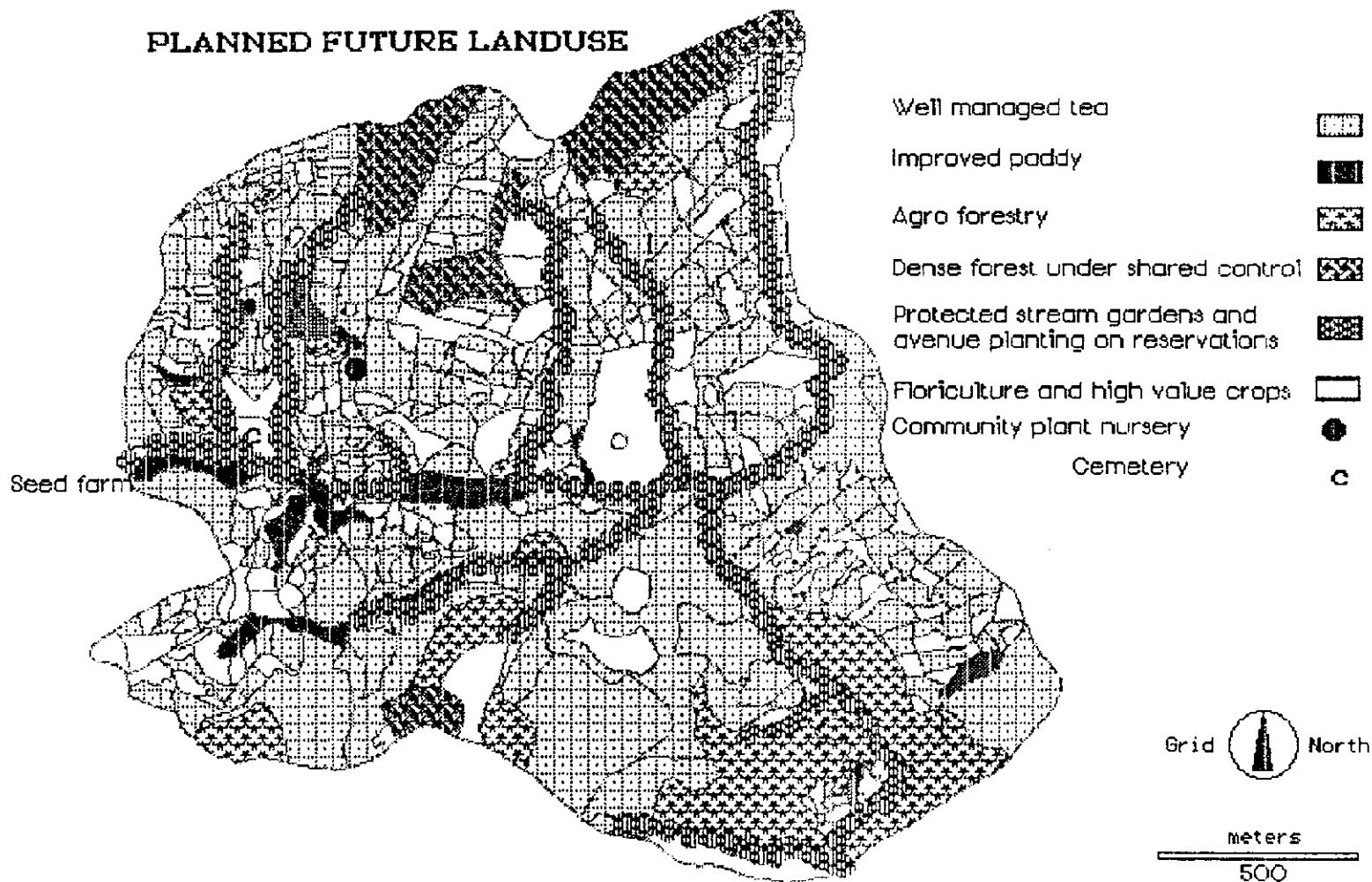


Upper Nilwala Watrshed SCOR IIMI

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# ANINKANDA MODEL PRODUCTION AND CONSERVATION AREA

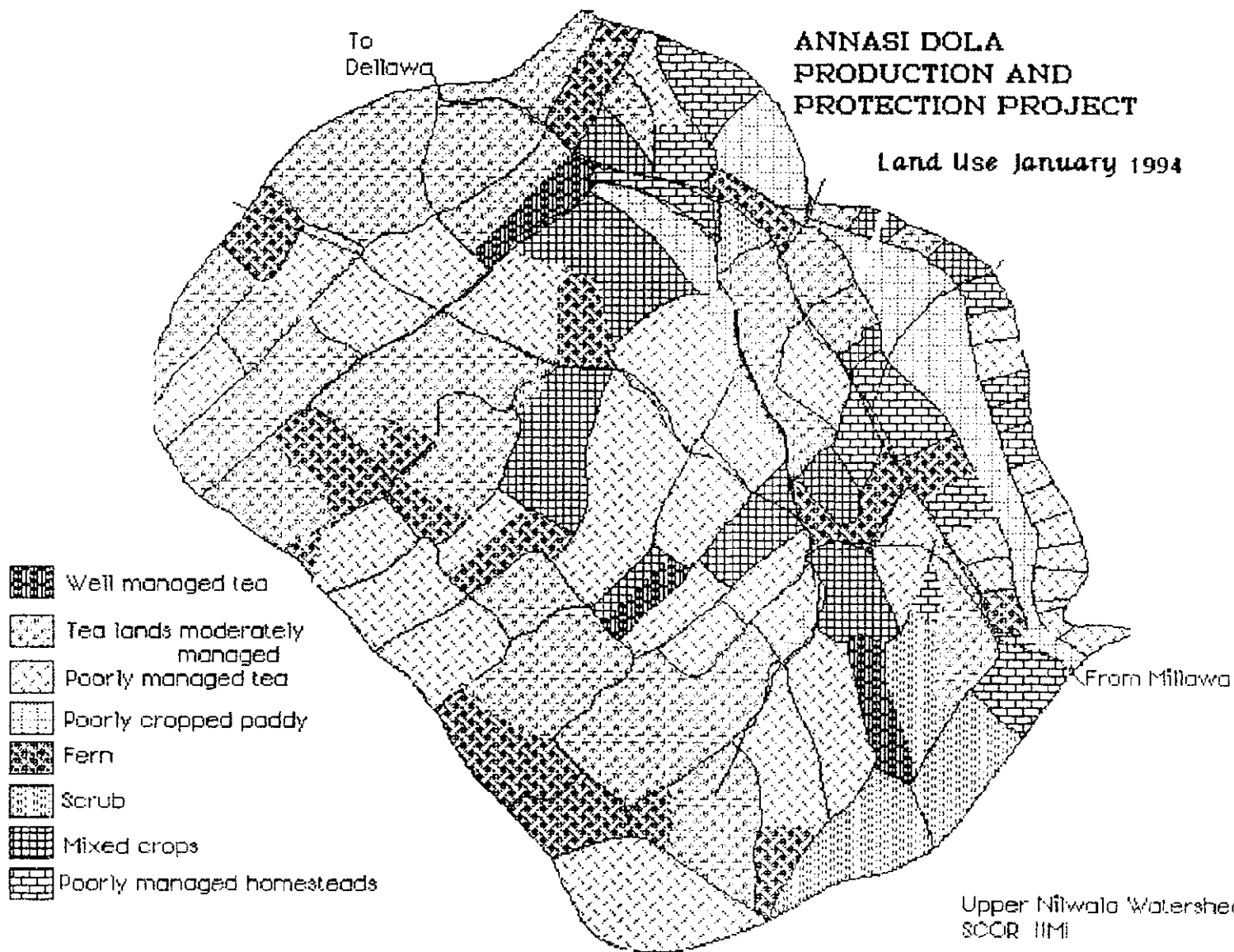
## PLANNED FUTURE LANDUSE

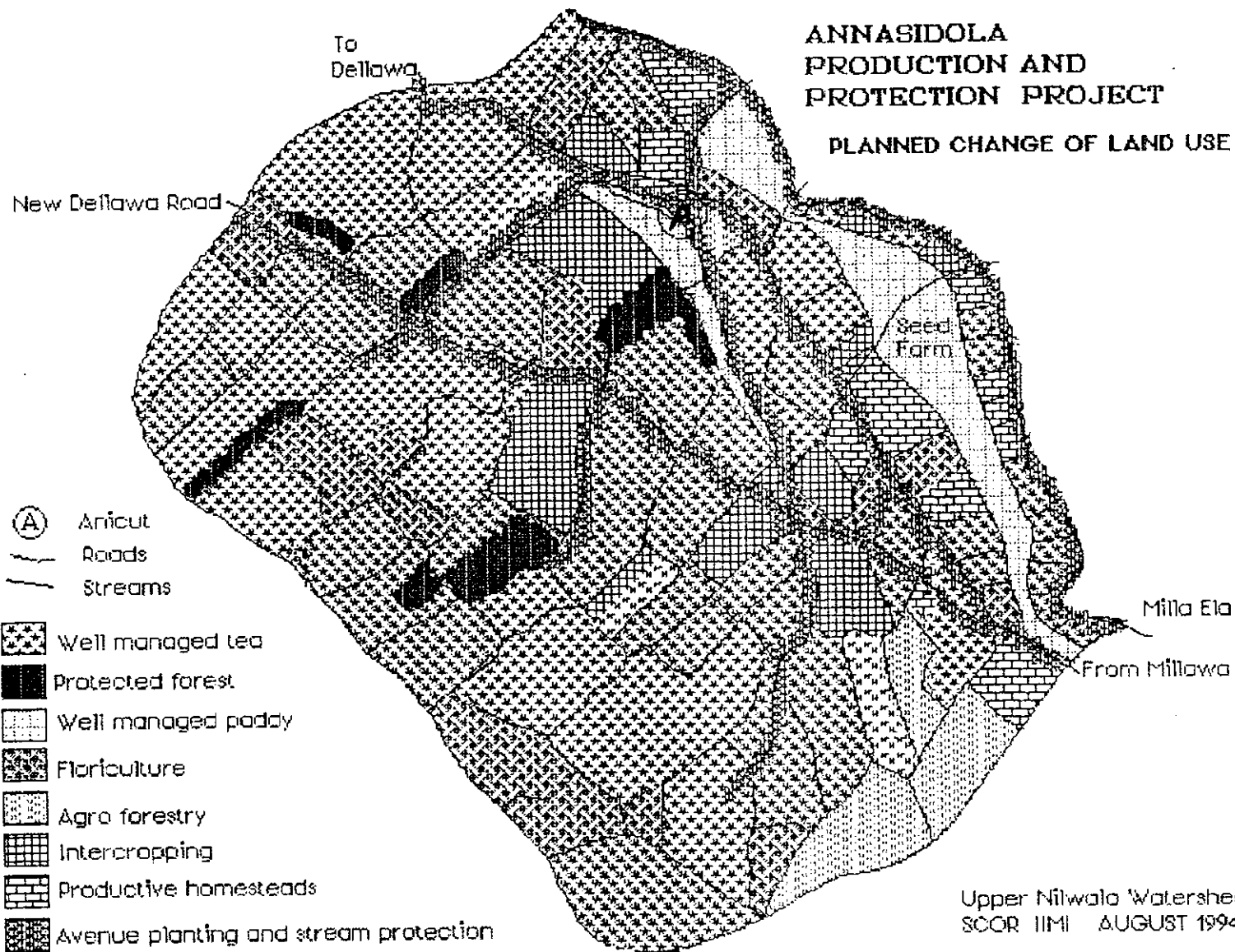


Upper Nilwala Watershed SCOR IIMI

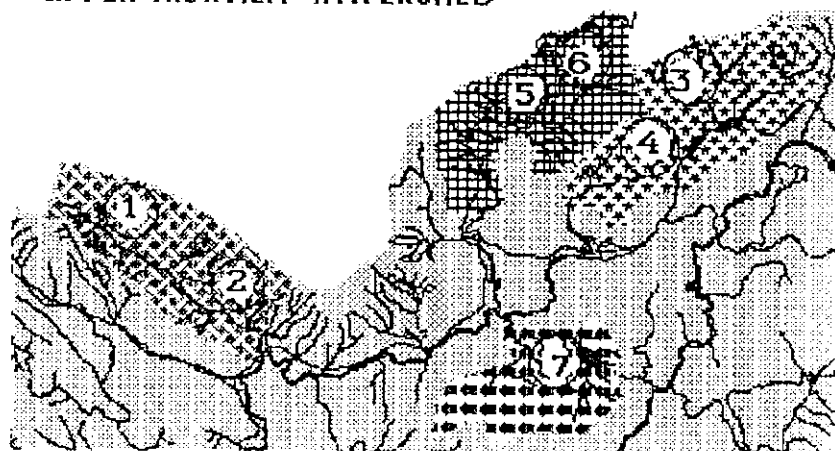
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## UPPER NILWALA WATERSHED



AREA AND FAMILIES ADOPTING  
PRODUCTION AND CONSERVATION  
PRACTISES EXPECTING  
USER RIGHTS FOR  
SHARED CONTROL



SUB WATERSHEDS

MILLAWA

ANINKANDA

DIYADAWA THANIPITA

HORAGALA

END OF THIRD QUARTER 1994  
TARGETS FOR FIRST PHASE

LOCATION	AREA (ha)	FARM FAMILIES
Upper Millawa 1	49	49
Millawa 2	115	167
Aninkanda Dothalugala 3	35	82
Aninkanda 4	100	55
Diyadawa Thenipita 5	217	89
Thenipita 6	70	96
Horagala 7	80	105
<b>TOTAL</b>	<b>666</b>	<b>643</b>

IMI-SCOR

Idrisi

2. Farmers combined their interest in raising plants for family food supply during the season with their labour input for conservation measures such as contour bunds. Large majority of farms with contour bunds have been planted with maize, soya bean and other vegetables. In addition, farmers have planted trees of timber value along the farm boundaries for a long term gain. This gives evidence for the farmers action in balancing production and protection, increasing their credit rating.
3. Farmers raised 75,000 glirisidia plants in community nurseries to be used for this conservation farming activities. Forest department provided with large number of plants, 12,000 teak plants for one sub-location alone, under the social forestry programme.
4. The 66 foot reservation on both sides of the 22 mile long feeder canal had been marked for a massive reservation planting and protection programme with the participation of 10 farmer organizations. The Divisional secretaries organized the demarcation work. A project was designed for the planting programme that marks the first step for changing the current land use from a cropping pattern with paddy in well drained soils which needs more water, to a cropping pattern with a mix of paddy and other crops that conserves water.

In addition, the Yan Oya reservation in Madawala, Siyambaladamana, Meegaswewa, Halmillewa, Tract 6, Nikawwa and Illukhena was demarcated and marked for conservation with the Maha rains.

5. Farmers converted 25 acres of scrub land to a block of forest land planted with trees of timber value as an investment to bear fruits in the future for their children while contributing to make the living environment better. Arrangements have been made to grant the user rights of these trees to the users. Forest department and the divisional secretariat assist the farmers in this project.

## **5.2 Regenerate Tank Eco-system**

An extent of 25 acres had been demarcated, from the immediate catchment around Huruluwewa reservoir where teak trees will be planted as a strip around the tank. The chena farmers in this area have accepted the need for the protection of the tank catchment. They have established a community nursery to raise the plants for planting in this area. A link has been established between the community forestry programme of the Forest Department and the user group who will receive plants and other assistance from the department. Planting is in progress at present. Arrangements have been made to get the user rights to these farmers.

### **5.3 Integrated Water Management**

Planning continued to change the cropping pattern on 2500 hectares of the Huruluwewa command with less water use. 405 hectares have been planted with soya beans instead of paddy. It was possible to save the paddy crop due to the better water management introduced. 46 demonstrations were conducted with mulch farming at Puwakpitiya, Mahameegawewa, Padikaramaduwa and Methgama on paddy lands to raise a Yala crop increasing the water issue interval from 5 days to 15 days. Farmers received satisfactory income and learned lessons of managing mulch to different situations and locations. Burning of straw has stopped and practice of collecting of straw for mulching is spreading.

Farmers in the feeder canal area had agreed to put 240 hectares under banana cultivation instead of paddy, changing the paddy cropping in well drained soils.

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 and preliminary findings were presented to the meeting of farmer representatives for seasonal planning. The fact that Huruluwewa did not receive any amount of water from the feeder canal during the past yala season although 17,000 acre feet of water had been issued to Huruluwewa through Mahaweli feeder canal was discussed at the meeting convened with the participation of all the farmer organizations of the Huruluwewa watershed. The theme of this meeting was how to make farming a profitable venture to all the farmers with land and water conserving practices.

All the farmer representatives agreed to a cropping calendar, that required farmers to prepare land without depending on tank water. Farmers agreed to cultivate other field crops wherever possible instead of paddy in well drained soils. Dissemination of this information was arranged through the farmer organizations. Information sharing meetings were organized at field canal levels.

### **5.4 Sharing resources for improved homestead**

The number of resources user groups increased from 25 to 40 in Tract 6 under this theme during the third quarter. These groups represent women and youth in the Tract 6 sub-location. They were provided with information on conservation farming and diversified cropping and livestock keeping.

Many farm women had realized the need for concentrating on protecting the soil and its fertility in the homesteads due to SCOR training. They have realized that if they improve their homesteads and increase income then there is no need to go to the chena which is located at a distance.

Nurseries have been established to plant cashew on 175 acres in homesteads. Arrangements have been made to plant coconut 10,000 coconut plants in 1,600 homesteads in the lower Huruluwewa watershed. Coconut planting with conservation farming has been arranged for 300 acres in the Upper Huruluwewa watershed.

Wood lots in 100 homesteads have been established with the support of the Forest department and 12 nurseries have been established to provide plants. Arrangements have been made to involve school children in planting medicinal herbs in homesteads with the support of the department of Indigenous medicine. Initial work has been completed on establishment of a 25 acre common pasture land for the cattle owners of Hinguruwagama. An artificial insemination programme and sub project to supply goats have been launched in Tract 6 and Ulpathgama with the support of the Department of Animal Production and Health. A homegarden cultivation competition was designed for the Maha season.

### **5.5 Ground Water Development and Management**

The data collection work continued on ground water with daily measurements of water levels from 30 sample wells taken for study and analysis. A paper has been produced titled Integrated water management in a watershed context incorporating preliminary results of the agro well rechargeability with water issues in the canal and during rain.

### **5.6 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.

### **5.7 Integrated Planning and Coordination**

The pre seasonal meeting conducted with the participation of all the farmer organizations of Huruluwewa command, drainage area, reservoir and catchment area and the feeder canal area demonstrated the path taken by SCOR towards integrated planning and coordination of resources management in the watershed. All the participating farmer representatives and the government officials had consensus on a cropping pattern under water stress, demarcation and land use of the 66 foot reservation of the Hurulu feeder canal, and the use of encroached lands.

A workshop was conducted with the participation of the Bank of Ceylon officials both from Colombo and the regional and branch offices on the operations of the credit scheme for the SCOR project. The Bank agreed to issue credit four times greater than the SCOR

sub grant to the farmer organizations once the grant is deposited as collateral in the bank on feasible mini projects. A project with an investment of Rs.1.2 million has already been submitted to the bank for funding.

Officials of AGENT, a USAID sponsored project, had a joint visit of Huruluwewa sub locations with SCOR team and provided assistance for the construction of 5 stores to keep big onions stored safely until the market price is favourable.

The Commissioner of Indigenous medicine of the North Central Province agreed to assist in promoting the cultivation of medicinal herbs in the watershed.

### **5.8 Organizing user groups/organizations/sub-councils and councils for production, protection and related services**

During the quarter, 13 user groups have been formed increasing the total number of resources user groups to 66. Fifty nine groups have been motivated to have institutional recognition. Mahameegaswewa farmer organization received registration under the Agrarian Services Act making it eligible to apply for a bank loan for the investment on their plan for production and protection.

An organization was formed with 514 farmers who use agro wells for cultivation in the Huruluwewa command. The plan is to make this organization a peoples company that will undertake the technical services needed by the farmers. SCOR will provide the organization with the information from the agrowell research on future potentials for agro wells.

## **NILWALA WATERSHED**

### **5.9 Shared management of Land and Water Resources**

Nine community nurseries had produced 28,774 plants to share for planting as at end of third quarter. The newly formed Dothalugala Heritage NGO planted 5000 plants in the Dothalugala denuded forest land. 58 hectares of stream reservations and 32 hectares of road reservations have been put under production and protection practices making the users eligible for the use rights. 3490 plants had been planted on road reservations.

Dothalugala heritage NGO was awarded with a user grant of Rs.208,600 to implement their plan of production and conservation covering the forest area, paddy, stream and road reservations and homesteads as a model project.

An extent of 300 hectares are under production and conservation techniques in 7 sub-locations of the 4 sub-watersheds as at the end of the third quarter. Map 4 presents the distribution of this activity. 799 farm households are engaged in these activities.

SCOR helped the second group of resources users to get closer to their vision of obtaining power from a mini hydro power project by expediting the design work expected from the ITDG. SCOR explored possibilities of funding for the projects through the IRDP suggesting part funding if necessary. Two groups were formed for resin tapping from pinus trees. discussions were conducted with the forest department officials to arrange this activity for the resources user groups. Feasibility was studied and a report prepared on vinegar production from Kitul toddy.

#### **5.10 Sharing resources for improving homesteads**

Under this theme, 129 homesteads have been identified, and mapped. Homestead management problem analysis had been completed and appropriate farming systems have been recommended. Training had been offered to 62 homesteads out of the targeted 125 as at end of the third quarter. Planting materials were arranged for 42 homesteads. 63 homesteads in Rambukdola and Annasidola were included in two mini projects for mobilizing resources for homestead development. Both projects were approved with user grants for implementation.

Eight groups out of targeted 9 have been formed for floriculture. 62 members have been trained out of a targeted number of 135 on plant establishment and management.

Training with demonstrations was conducted for 291 resources users in all the 4 sub-watersheds. 51 compost heaps had been established.

#### **5.11 Improve Tea Paddy Culture**

The maps and the report are ready for identification of specific areas for intervention. A project was planned to test 10 conservation measures on tea lands as a participatory research work having the objective of increasing production and conservation as well. 31.5 hectares have been brought under protective agronomic practices with continued motivation for wider adoption. 54% of the targeted tree strip planting has been completed along streams bordering tea lands.

Activities to improve drainage systems in paddy lands continued with seed paddy production.



### **5.12 Organize groups for improved production, protection, marketing and related services**

Sixty eight resources user groups were operating at the end of third quarter in the Nilwala watershed. 23 of them were awarded with small grants worth of Rs. 128,800. Work is under way to form four service organizations to provide the required services to the resources user groups. This is a new organizational arrangement which could lead to greater control of resources by people on their own with a better mode of interaction with state officials. One service organization has already started working on facilitating the marketing of produce as a gainful economic activity.

### **5.13 Integrated planning and coordination**

A workshop was designed as the first of a series to initiate action on integrated watershed resources management planning with the participation of all the relevant agencies and user representatives in the entire watershed.

A workshop was also designed for all the members of the Divisional Councils in the Upper Nilwala watershed to increase collaboration for SCOR activities.

Coordination at divisional, provincial and national level was marked with the planned steering committees conducted and pledges for complementary support made.

## **6. DETAILED PHYSICAL PROGRESS BY WATERSHEDS BY ACTIVITIES**

Annex 15 and 16 present detailed physical progress of Huruluwewa and Nilwala watersheds by activities under each intervention. The figures are explained in the remark column for clarification.

## **7. 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 all the 21 research projects selected out of the total of 35 listed for consideration.

Annex 13 presents the current status of research activity under SCOR project.

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

## **8. MAJOR ISSUES TO BE RESOLVED**

- 8.1 The project experienced difficulties due to the absences of adequate number of equipment to effectively operationalize its Management Information System. In a watershed management project of this nature it is difficult to expect the production of a complete plan of equipment at the planning stage. This fact was confirmed with the rapid expansion of activities in the watershed that generated a need for few more computers, easy data entry, data communication, information extraction, display and reporting tools for the use of more staff members in a cost effective way. Sufficient flexibility is necessary to ensure prompt action in the procurement of the required equipment for which an allocation exists to ensure proper operations of the monitoring and evaluation system as presented on annex 14.
- 8.2 In respect of the granting of long term user rights to resource users who practice an agreed land use and a cropping pattern on reservations and government lands, SCOR is now following the direction agreed upon at the national steering committee meeting to demonstrate the output adopting the planned actions for the policy to follow (Action first, policy next to formalize). It is necessary to monitor this activity closely by the relevant government agencies to effect the required policy changes.

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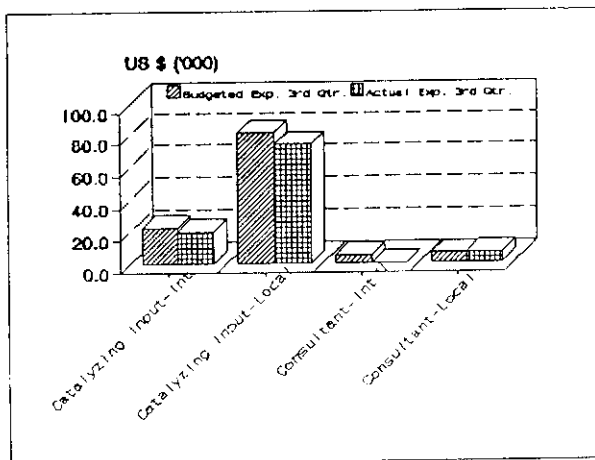
BUDGET VERSUS ACTUAL EXPENDITURE FOR 3RD QTR. 1994

Description	(US \$ '000)								
	Budgeted Exp. July	Actual Exp. July	Budgeted Exp. August	Actual Exp. August	Budgeted Exp. September	Actual Exp. September	Total Budget for 3rd qtr.	Total Exp for 3rd qtr.	Balance
Salaries Benefits & All									
Int'l	7,416	7,416	7,416	6,180	7,416	6,798	22,248	20,304	1,854
Local	27,000	25,692	27,000	25,323	27,000	22,577	81,000	73,592	7,408
Consultant									
Int'l	0	0	0	0	4,620	0	4,620	0	4,620
Local	2,000	887	2,000	2,511	2,000	3,028	6,000	6,426	(426)
Travel									
Int'l	0	0	0	0	3,000	0	3,000	0	3,000
Local	1,800	1,881	1,800	2,167	1,800	3,166	5,400	7,214	(1,814)
Workshops & Training									
Int'l	0	0	0	0	0	0	0	0	0
Local	2,500	2,127	2,500	904	2,500	2,376	7,500	5,407	2,093
Other Direct Costs									
Vehicle Oper. & Main.	2,700	1,397	4,700	2,523	3,200	4,806	10,600	8,726	1,874
Office/Research Supp. & Ser.	4,500	2,186	4,500	3,855	4,500	6,921	13,500	12,962	538
Information & Dissemination	500	919	500	110	500	45	1,500	1,074	426
Audit	0	0	0	0	1,250	1,316	1,250	1,316	(66)
Contingencies	0	0	0	0	0	0	0	0	0
Indirect costs/ Overheads (32%)	15,493	13,602	16,133	13,943	18,492	16,331	50,118	43,876	6,242
Sub Grants/Sub contracts	11,000	472	11,000	4,221	11,000	5,226	33,000	9,919	23,081
Equipments	0	0	0	0	0	1,009	0	1,009	(1,009)
<b>Total</b>	<b>74,909</b>	<b>56,579</b>	<b>77,549</b>	<b>61,737</b>	<b>87,278</b>	<b>73,599</b>	<b>239,736</b>	<b>191,915</b>	<b>47,821</b>

**BUDGETED EXPENDITURE VERSUS ACTUAL EXPENDITURE  
BY MAJOR CATEGORIES  
3RD QUARTER '94 - SCOR PROJECT**

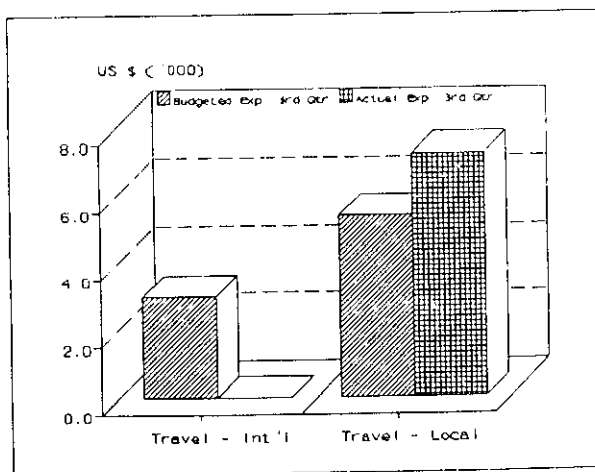
Expenditure Category	Budget	Expenditure
Catalyzing inputs - Int'l	22.25	20.39
Catalyzing inputs - Local	81.00	73.59
Consultant - Int'l	4.62	0
Consultant - Local	6.00	6.43

The saving of the catalyzing input will be absorbed by the funds needed for deploying additional catalysts



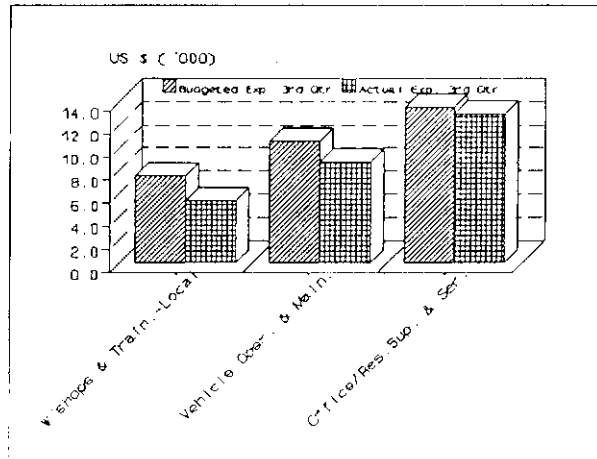
Expenditure Category	Budget	Expenditure
Travel - Int'l	3.00	0
Travel - Local	6.00	7.21

The expanded field activities caused the over expenditure in the local budget.



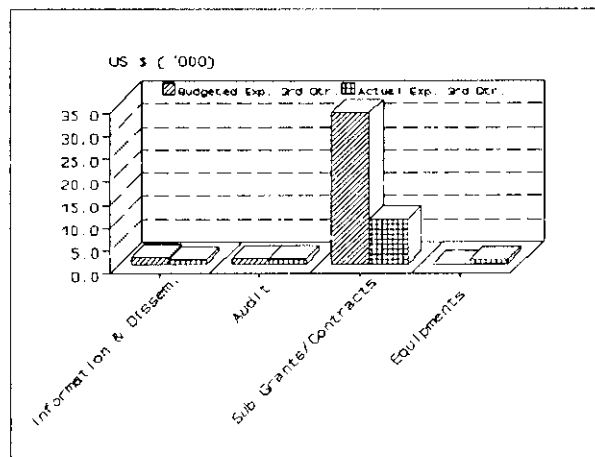
Expenditure Category	Budget	Expenditure
Workshops & Training - Local	7.50	5.41
Vehicle Operation & Maintenance	10.60	8.73
Office Research Supplies & Services	13.50	12.96

The savings on local training will be utilized during the fourth quarter.

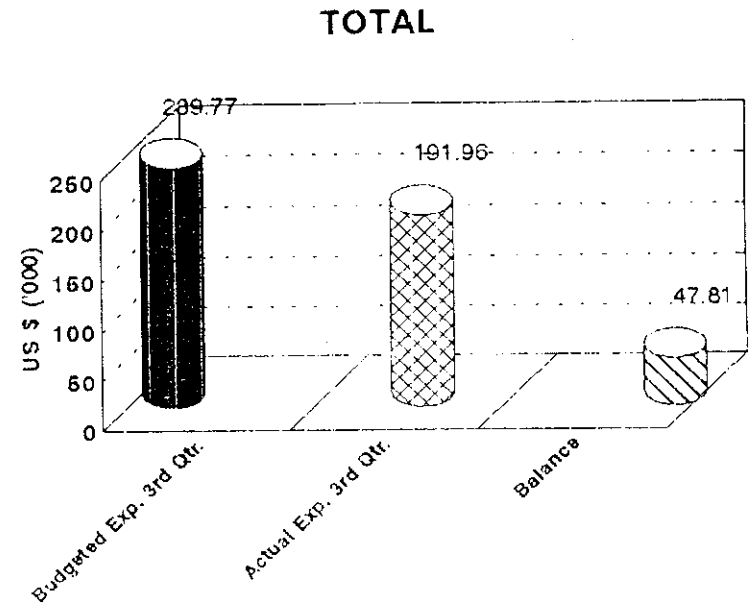
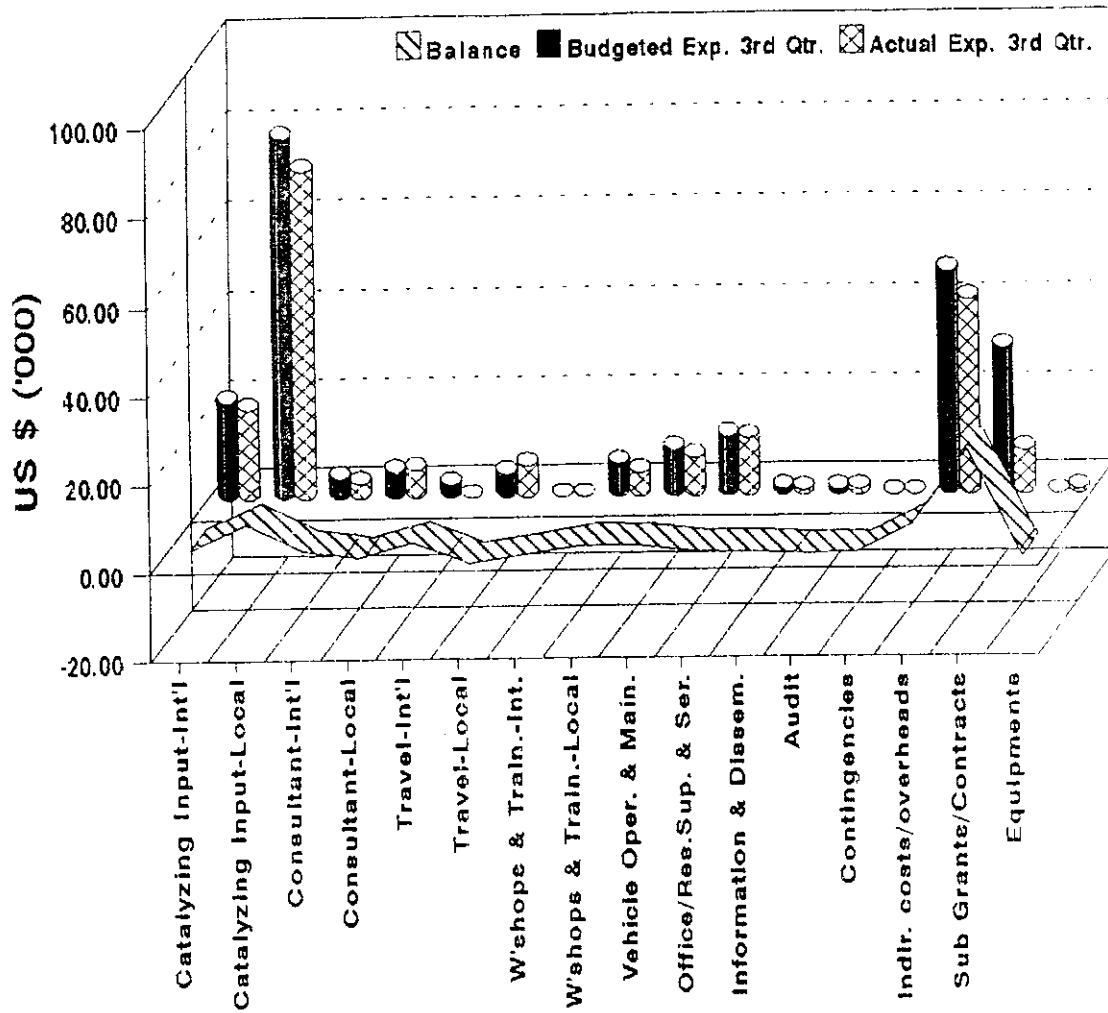


Expenditure Category	Budget	Expenditure
Information & Dissemination	1.50	1.07
Audit	1.25	1.32
Sub grants/Sub contracts	33.00	9.92
Equipments	0	1.01

The savings in sub-grants will be used in the fourth quarter on mini-projects.

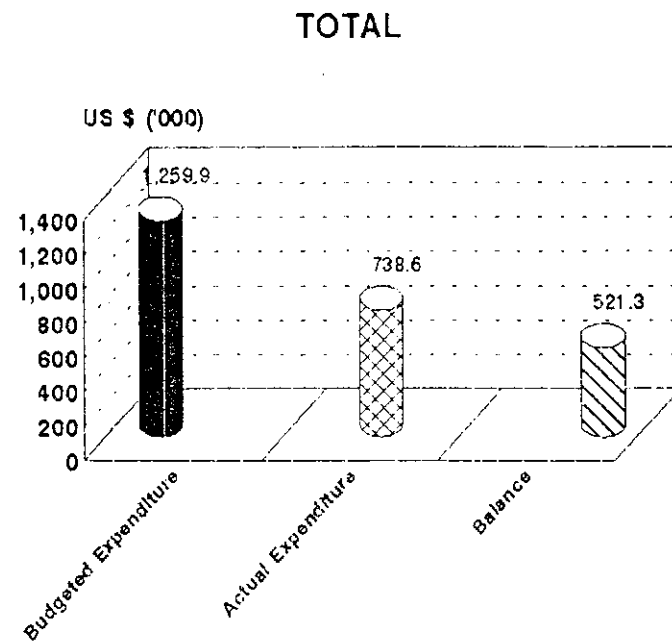
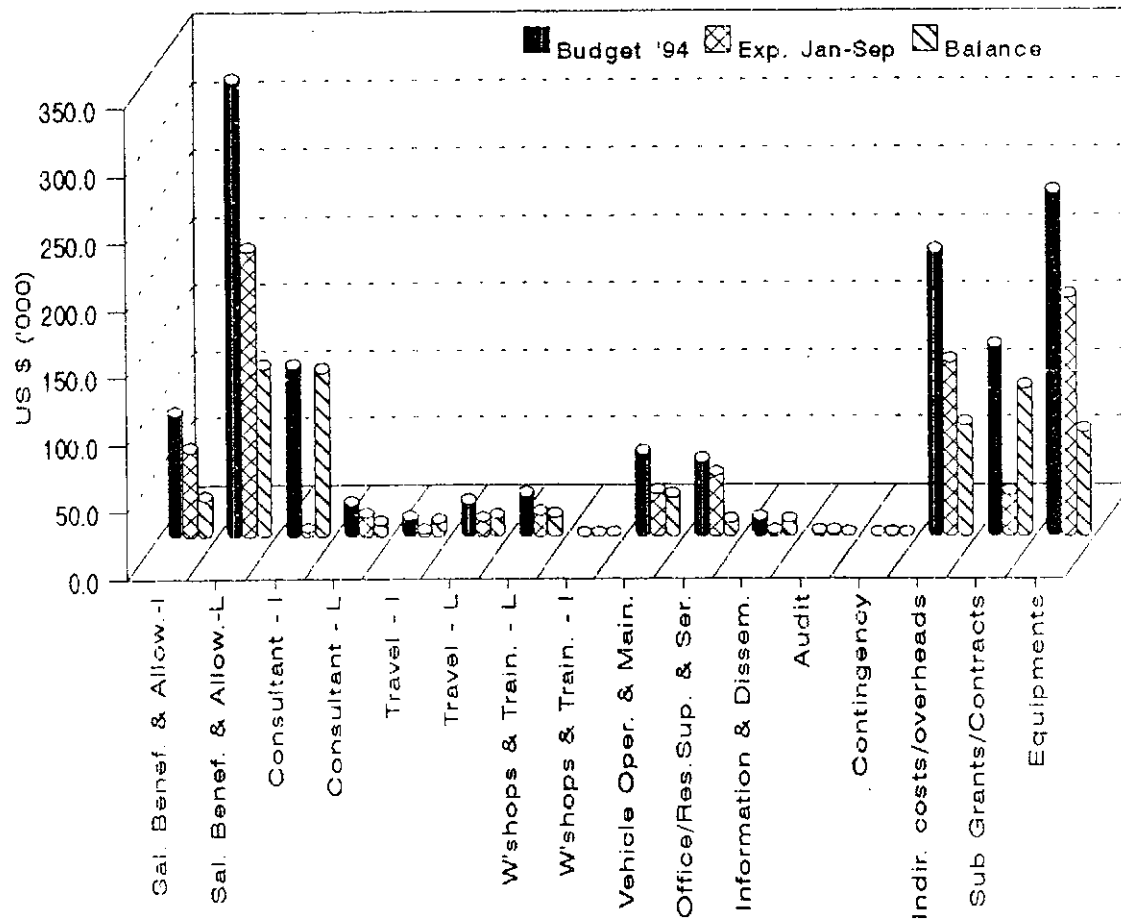


## EXPENDITURE OUT OF THE BUDGET FOR 3RD QUARTER SCOR PROJECT



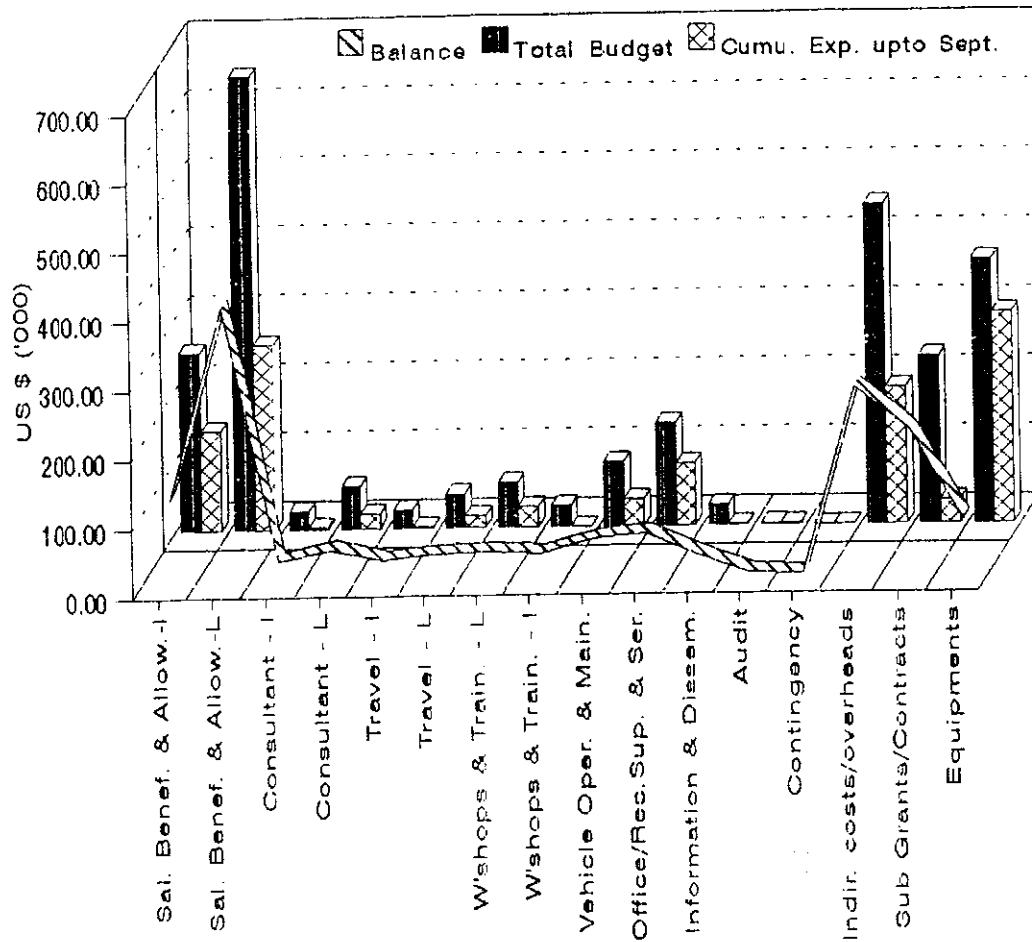
Balance	1.85	7.41	1.27	-0.43	3.00	-1.61	0.00	2.09	1.87	0.54	0.43	-0.07	0.00	6.24	23.08	-1.01
Budgeted Exp. 3rd Qtr.	22.25	81.00	4.62	6.00	3.00	5.40	0.00	7.50	10.60	13.50	1.50	1.25	0.00	50.12	33.00	0.00
Actual Exp. 3rd Qtr.	20.39	72.59	3.36	6.43	0.00	7.21	0.00	5.41	8.73	12.96	1.07	1.32	0.00	43.88	9.92	1.01
%	91.67	90.85	72.62	107.10	0.00	133.59		72.09	82.32	96.01	71.60	105.28		87.55	30.06	

**ACTUAL EXPENDITURE OUT OF THE BUDGETED ALLOCATION  
FOR THE YEAR 1994 (JANUARY - SEPTEMBER)**

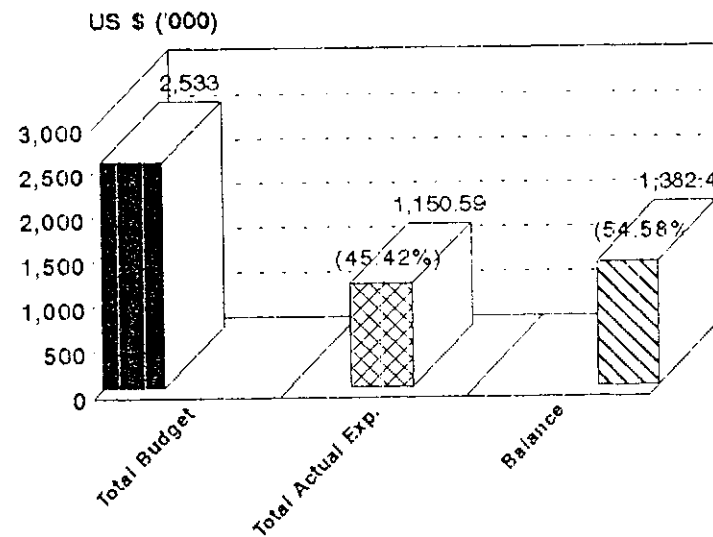


Budget '94	90.0	337.0	125.0	23.0	12.0	24.5	30.0	0.0	60.5	55.0	12.0	1.3	0.0	210.3	140.0	254.0
Exp. Jan-Sep	63.0	222.2	3.4	14.4	2.4	11.3	16.1	0.0	31.4	45.1	1.7	1.3	0.0	128.7	30.8	176.8
Balance	27.0	124.8	121.6	8.6	9.6	13.2	13.9	0.0	29.1	9.9	10.3	0.0	0.0	81.6	109.2	77.2
%	70.0	63.0	2.7	62.4	20.1	46.2	53.6		51.6	82.1	14.4	100.0		61.2	22.0	69.6

**CUMULATIVE EXPENDITURE OUT OF LIFE OF PROJECT BUDGET  
FROM JUNE '93 TO SEPTEMBER '94**



**TOTAL**



Balance	114.43	91.18	23.75	40.13	24.39	31.76	34.58	31.30	53.77	59.04	27.43	1.18	0.00	266.55	206.57	76.27
Total Budget	257.00	59.00	27.10	61.70	26.80	48.60	54.20	31.30	92.30	148.00	29.20	2.50	0.00	463.30	241.00	381.00
Cumu. Exp. upto Sept.	142.53	267.82	3.36	21.57	2.41	16.84	29.62	0.00	38.59	88.96	1.77	1.32	0.00	196.71	34.43	304.73
%	55.46	40.64	12.38	34.97	8.98	34.64	46.13	0.00	41.74	60.11	6.08	52.64		42.46	14.29	79.98



## Annex 6

## USER GRANTS

No of Grants to Groups	Purpose	Amount Granted Rs.
4	Nilwala Watershed Seed Paddy Enterprise	41,000
8	Plant Nursery Establishment	26,500
7	Anthurium Planting	30,000
1	Coconut cultivation	6,500
1	Model Stream Garden Development	5,500
2	Forest reservation tree planting	19,300
23	Sub Total	128,800
	<b>Huruluwewa watershed</b>	
1	Cultivation of Other Field Crops	11,250
1	Plant Nursery Establishment	17,240
1	Soya bean cultivation	50,000
2	Cashew cultivation	17,028
1	Bunana cultivation	7,000
6	Sub Total	102,518
29	TOTAL	231,318

## Annex 7

**SUMMARY REPORT ON HOST COUNTRY CONTRIBUTION (HCC)**  
**25.10.93 - 30.09.94**

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	2,199	373,796	3,821	968,138	6,020	1,341,934
Value of conserved capital assets	0	300	0	0	0	300
Value of sub Grants	0	128,800		102,518	0	231,318
Govt. officers contribution	768	921,974	296	617,963	1,064	1,539,937
Conserved Area		862,860		8,514,250		9,377,110
<b>Total</b>	<b>2,967</b>	<b>2,287,730</b>	<b>4,117</b>	<b>10,202,869</b>	<b>7,084</b>	<b>12,490,599</b>

## Annex 8

**TRAINING OF RESOURCES USERS - THIRD QUARTER 1994**

SUBJECT AREA	HURULUWEWA		NILWALA		TOTAL	
	DURING 3RD QTR.	TODATE	DURING 3RD QTR.	TODATE	DURING 3RD QTR.	TODATE
1. Resources use planning	977	3216	617	1171	1594	4387
2. Organization and Financial Management	33	260	0	67	33	327
3. Marketing	78	206	5	30	83	236
4. Group dynamics and Leadership	27	1023	28	50	55	1073
<b>TOTAL</b>	<b>1115</b>	<b>4705</b>	<b>650</b>	<b>1318</b>	<b>1765</b>	<b>6023</b>

Source: Training Database.

**Group Formation, Group Activities and the Current Direction  
of SCOR Activities  
(September, 1994)  
Huruluwewa Watershed**

Type of Activities	# of Groups	# of Members
1 Homestead Development	21	218
2 Homestead conservation farming	14	190
3 Animal Husbandry	6	56
4 Bio-farming (vegetables)	4	46
5 Chena Stabilization	7	79
6 Homestead & cultivation under Agro-wells	3	33
7 Yan Oya Conservation	—	—
8 Bambu trees planting	2	37
9 Cashew cultivation	2	22
10 Fruit cultivation	2	16
11 Women's activities for income generating	3	24
12 Milk production	1	8
13 Nurseries	1	6
<b>Total</b>	<b>66</b>	<b>735</b>

**Annex 10**

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

TYPE OF ACTIVITY		# OF GROUP	# OF MEMBERS
1	Kitul and vinigar production	4	59
2	Tea land conservation	4	67
3	Home gardening	5	54
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	2	28
11	Flower growers	9	100
12	Soil Conservation	2	18
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
<b>Total</b>		<b>68</b>	<b>932</b>

**Ranking Resources Users Groups  
by Status of Maturity**

SCOR project facilitated the formation of 108 Resource User Groups during the 11 months of its field activities in the two pilot watersheds while interacting with many existing organizations. Figure 1 presents the criteria adopted to evaluate the groups.

Figure 2 shows the current status of the user groups assessed as at end of September 1994 using the group and activity status databases maintained at watershed level.

**Figure 2 - Group status by level of maturity as at end of September 1994**

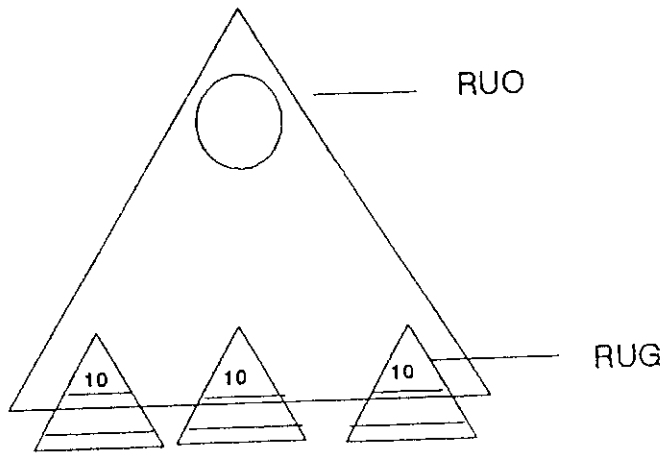
Status	Nilwala Watershed		Huruluwewa Watershed		Total No. of Groups	Total No. of Members
	No. of Groups	No. of Members	No. of Groups	No. of Members		
<b>Total</b>	62	924	46	552	108	1476
<b>Status D</b> Groups meeting criteria 1-4	24	307	46	552	70	859
<b>Status C</b> criteria 1-6	16	208	19	246	35	454
<b>Status B</b> criteria 1-8	9	124	06	113	15	237
<b>Status A</b> criteria 1-10	0	0	01	47	1	47

Column 6 shows that only 70 groups out of a total of 108 have achieved status "D". The variation in Nilwala watershed is noteworthy where only 24 groups out of 62 achieved status "D" whereas all the groups in Huruluwewa had reached status "D". The terrain, relatively better economic status of the smallholder and the full time occupancy of the users on their economic activity partly explain the delayed take off of the groups in the earlier stages of group formation and raise questions of other possible causes as well for a deeper analysis.

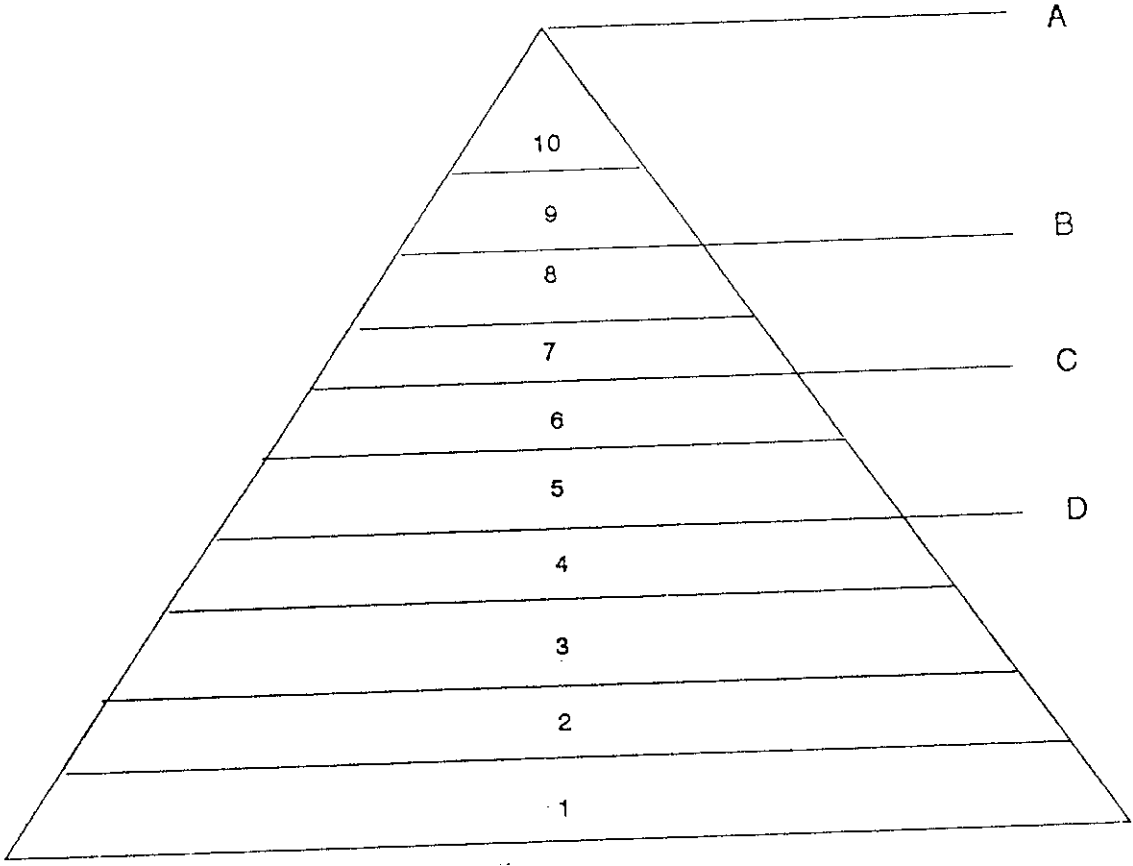
Variation from status "D" to "C" is also noteworthy. Once formed firmly, more groups reached the higher status in Nilwala backed by small user grants whereas Huruluwewa groups engaged in activities with training and support for planning the possible future. The only group that reached status "A" has a bankable project for the entire sub location, received the highest user grant and will receive a bank loan 4 times larger than the grant from a commercial bank.

A group that skipped several criteria and meets a higher order criteria will not be considered as having achieved the corresponding status since the group should have a sustainable footing by meeting each criterion as they have been carefully articulated. The assessment also points out the training need of groups leading action in order to reach the higher status in the pyramid.

# RESOURCES USER ORGANIZATION (RUO)



# RESOURCES USER GROUP (RUG) (Status)



The RUG,

1. Forms the group for better resource use
2. Has a recognized form of leadership/core
3. Meets regularly with participation rate greater than 60%
4. Records minutes of meetings and status of group action
5. Has a group fund
6. Has agreed targets to achieve
7. Invests money, labour and time on activities for production and protection of land and water resources
8. Monitor own activities through self monitoring and assessment
9. Has institutional/legal recognition
10. Has affiliation with other organizations

**PROGRESS BY MAJOR OUTPUT INDICATORS**  
THIRD QUARTER 1994

	OUTPUT TARGETS/PERFORMANCE	LOP TARGET	TOTAL END OF 3rd QTR.	%	REMARKS
1	# of user groups formed	150	138	92	62 (NILWALA), 76 (HURULU)
2	# Of training opportunities to user groups	600	1409	235	786 (NILWALA), 623 (HURULU)
3	# of User Organizations	20	32	160	Existing organizations linked.
4	Training opportunities to representatives of farmer organizations	75	1297	1729	329 (NILWALA), 968 (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	75	29	39	Six in Huruluwewa, 23 in Nilwala
8	# of user organizations conferred with legal status and powers	20	18	90	16 of 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. 2 new organizations were registered.
9	Modes of commercial opportunities developed and/or supported for user groups	10	9	90	The identified commercial activities are being supported. Service organizations are being formed to support commercial activities.
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	26	52	Six 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	continued
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 opportunities in local level planning group formation, support and collaboration to officials	80	438	548	148 (Nilwala), 290 (Huruluwewa) 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 AGENT supports Huruluwewa resources users.

LOP = Life of Project Target

**CURRENT STATUS OF THE RESEARCH COMPONENT OF SCOR PROJECT  
AS AT END OF SEPTEMBER 1994**

	Name of the Researcher	Name of study	Period	Present status
(1)	Land Use Policy Planning Division (LUPPD) Ministry of Lands A.Widanapathirana*	Land use maps for two watersheds (Huruluwewa & Nilwala)	15 August 1993 to 14 December 1993 (4 months)	Completed
(2)	Land Use Policy Planning Division (LUPPD) Ministry of Lands A.Widanapathirana*	Land use studies & preparation of maps for Nilwala watershed	20 April 1994 to 19 April 1995 (1 year)	Work in progress
(3)	Land Use Policy Planning Division (LUPPD) Ministry of Lands A.Widanapathirana*	Land use studies & preparation of maps for Huruluwewa watershed	20 April 1994 to 19 April 1995 (1 year)	Work in progress
(4)	Prof.B.K.Basnayaka University of Peradeniya (Nihal Fernando*)	Rainfall trends, surface water balance and vegetation change in the Huruluwewa watershed	1 July 1994 to 30 October 1995 (1 1/2 year)	Work in progress
(5)	N.U.Hemakumara (Nihal Fernando*)	Baseline and M&E studies for intergrated water management in Huruluwewa watershed.	20 April 1994 to 19 April 1995 (1 year)	Work in progress
(6)	N.U.Hemakumara (Nihal Fernando*)	Agro-well & Ground water management in Huruluwewa watershed	20 April 1994 to 19 April 1995 (1 year)	Work in progress
(7)	M.A.B.Anawaratna (C.M.Wijyaratna*)	An analysis of demand supply and price- relations aimed at production scheduling	6 July 1994 to 21 October 1994 (3 1/2 months)	Completed
(8)	M.A.B.Anawarathna (C.M.Wijyaratna*)	Evaluation of profitability and productivity of onions, tomato and rice under different irrigation and technology regimes	10 May 1994 to 31 October 1994 (6 months)	Almost completed
(9)	Sena Ganewatta (C.M.Wijyaratna*)	Impact of Land Tenure Part 1 - Literature Review	10 May 1994 to 31 August 1994 (3 1/2 months)	Completed
	C.M.Wijyaratna Kumudini Jayawardena	Part 11 - Micro level analysis	1 September 1994 to 1 March 1995	Work in progress

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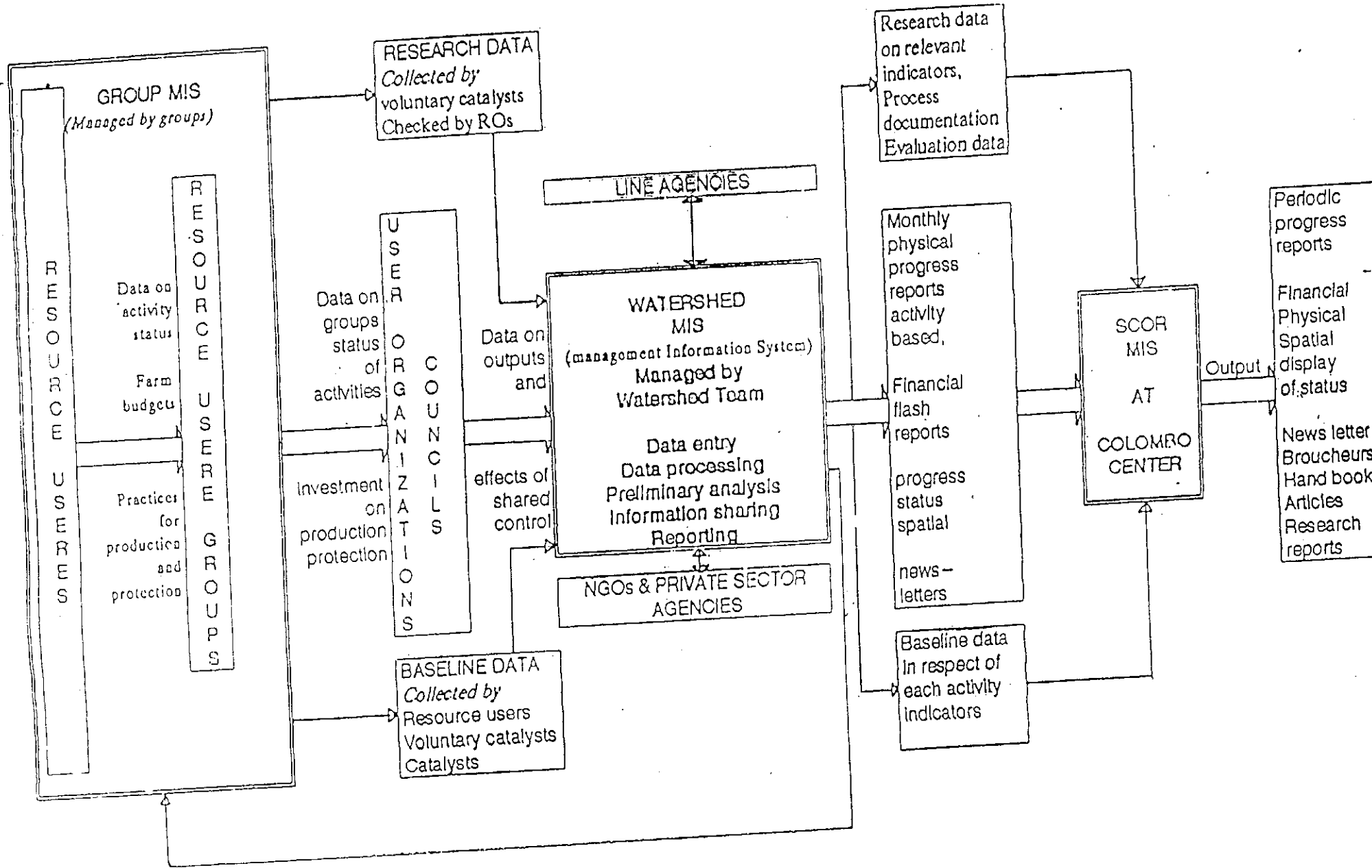


	Name of the Researcher	Name of study	Period	Present status
(10)	C.M.Wijayarathna R.B.Bandula Sirimal	Labour productivity in Tea Land	-	Work in progress (On going)
(11)	Drs.M.Wijeratne & O.Amarasinghe (University of Ruhuna) (A.Widanapathirana*)	Evaluation of SCOR interventions on resources management & profitability	10 May 1994 to 10 October 1995 (17 months)	Work in progress
(12)	Arjuna Hulugalle (G.Batuwitage*, N.Adhikaramge)	Feasibility study on Production & processing of Medicinal plants – a component of land & water conservation efforts in the dry zone	7 May 1994 to 21 June 1994 (45 days)	(Draft report submitted)
(13)	V.Jayamanna – Bsc Student (C.M.Wijayarathna*)	A study on adoption of Technology in the tea sector in Upper Nilwala watershed.	30 Sept. 1994 to 31 Dec. 1994 (3 months)	Work in progress
(14)	Mr.Razaak – ARTI (C.M.Wijayarathna*)	Process Documentation of SCOR	1 Sept. 1994 to 31 August 1995 (1 year)	Work in progress
(15)	I.K.Weerawardena (P.Rajasekara*)	Action Research study on Institutional support for projects of Resources user organizations	1 July 1994 to 30 June 1995 (1 year)	Work in progress
(16)	Mr.D.M.Ariyaratna (P.Rajasekara*)	Action research study on Special SCOR interventions in the Huruluwewa feeder canal area	1 July 1994 to 30 June 1995 (1 year)	Work in progress
(17)	G.Batuwitage, C.M.Wijayarathna, P.Rajasekara, Jaliya Medagama & N.Adikaramge	Policy research related to organizational and business modes for production and protection, ranging from informal groups to production/processing/ service companies	-	On going (as a component of the major project)
(18)	P.Rajasekara – Based on I.K.Weerawardena's action – research	Policy research related to state – user partnerships and obtain legal recognition	-	On going (as a component of the major project)
(19)	SCOR team and Government officers	Land Consolidation in small tanks	-	On going (as a component of the major project)
(20)	SCOR team	Baseline survey of Watersheds management in regard to resources use	-	On going (as a component of the major project)
(21)	J.M. Jayasundera Banda & SCOR Team	M & E of Conservation Measures in Huruluwewa Watershed.	-	On going (as a component of the major project)

\* Co-ordinator

Total value = Rs. 3,539,637.00

OPERATION OF M&E SYSTEM OF SCOR PROJECT



**SCOR PROJECT - HURULUWEWA**  
**QUARTERLY PHYSICAL PROGRESS**  
**3rd QUARTER 1994**

MAJOR INTERVENTION AND ACTIVITIES	OUTPUT	LOCATION	Target For This Qtr.	Achievement For This Qtr.	PRO-GRESS %	1994 Target	Achievements To date	PRO-GRESS %	REMARKS
(1) STABILISATION OF CHENA AND ENCROACHED STATE LANDS.									
1.1 (a) Conservation farming Awareness Programme									
Training Of Officers/ Users	Officers - 125	K.K, M.W., D.W, E.W	13	6	46	50	144	288	
Demonstrations	Farmers 1000		50	723	1446	350	2068	591	
Workshops	15	T/6, MDW, MRW, SD	3	0	0	8	28	350	
Visits /Field Days	04	MD, MW, EH, HS1				1	0	0	
School Programmes	Farmers 1000	SILN, CA	125	0	0	500	15	3	
	Awareness created among school children						5		
(b) Stabilisation of chenas	20 Ha. from each User Groups (2000 ha.)		25 ha	123.76	495	550 ha	177.01	32	Marking contour bunds in Kumbukwewa - 115.25Ac, Padikaramaduwa - 80Ac, Tract 6 - 30Ac, Kokawewa - 43Ac, Uipathgama - 78Ac, Puwakpitiya - 6Ac, Meegaswewa - 120Ac, and Angunawelpellessa - 6Ac. Established contour bunds in Kumbukwewa - 20Ha, Padikaramaduwa - 18Ha, Tract 6 - 9Ha, Kokawewa - 5Ha, Uipathgama - 18Ha, and Meegaswewa - 29Ha. Established Mee & Kumbuk nursery at Tract 6 to rise 2000 plants. Several community forestry programme of Forest Dept.were initiated in contiguous areas. Teak nurseries of about 12000 plants were established.
(c) Conservation of Channels, Roads, Streams and Tank Bunds.									
Channels Km.	30 km	Part of LB and RB- Huruluwewa and Feeder Channal	1 km	0	0	3 km	0.5	17	
Roads Km.	15 km	Some distance within the Watershead	1 km	0	0	3 km	0.5	17	
Streams Km.	25 km.	Some Distance of Yan Oya	1 km	0	0	6 km	0.75	13	
Tank Bunds	05 km	Huruluwewa, Mahadivulwewa and some small Tanks in command Area	-	0		-	1.25		Demarcate the reservation boundry of the Yan - Oya at Madawala, Siyambaladamana, Meegaswewa, Halmilleawa & Tract 6 area. Established Bambu nursery at Puwakpitiya to rise 2500 bambu plants. Demarcate the reservation along the feeder canal.

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MAJOR INTERVENTION AND ACTIVITIES	OUTPUT	LOCATION	Target For This Qtr.	Achievement For This Qtr.	PROGRESS %	1994 Target	Achievements To date	PROGRESS %	REMARKS
2) REGENERATE TANKECO-SYSTEM									
(a) Awareness Programme									
Demonstration Established	1 Demonstration	Huruluwewa	1	0	0	1	1	100	
		Kiulekadawewa	8	0	0				
Training Officers	Officers 30	Mahadivulwewa	4	60	1500	30	88	293	
Users	Farmers 1000	Mee gaswewa	100	61	61	1000	333	33	
		Hiriwadunna Wewa	-	0					
		Thalkote Wewa	-	0					
		Maha Rambawa Wewa	-	0					
				0					
School Programme	Schools - 22	Schools	2	0	0	9	4	44	
Students	Students - 3750	Students	350	0	0	1550	59	4	
Visits/ Field Days	Farmers 500		50	0	0	400	0	0	
(b) Conservation of chenas in Catchments									
	320 ha	Huruluwewa	-			-	9		
		Kiulekadawewa	-				25 ha		
		Mahadivulwewa	-				25 ha		
		Mee gaswewa	-				25 ha		
		Hiriwadunna Wewa	-				25 ha		
		Thalkote Wewa	-				30 ha		
		Maha Rambawawewa	-				15 ha		
(c) Establishment of Nurseries									
	Nurseries established in each locations (Total 35 Nurseries)	Maha Rambawa Wewa	8	9	113	35	35	100	Established four nurseries at Padikaramadu - wa (Teak, Jack & Lime) & one bambo nursery at Mahadivulwewa.
(d) Restoration of Gaggommana Perahana Kattakaduwa									
	30 ha in 2 tanks	Eco system in - 07 Tanks	1	0	0	7	2	29	Started four bambo nurseries at Puwakpitiya to rise 8000 bambo plants. Preliminary activities were carried out in Tank - Eco system restore during Maha season.
(3) INTEGRATED WATER MANAGEMENT									
(a) Formation of Farmer Organisations from Lenadora to Ilukwawe under one Agency									
	Strengthening of existing organizations	(1) Lenadora to Sigiriya		0		59	34	58	Continuous process
	IMD - 23	(2) Sigiriya, Talkote, Hiriwaduwa				23			
	DAS - 26	Miriwadunnawewa & Habarana Tank	3	0		26			
	New organizations - 10	(3) From Habarana to Reservoir	2	0		10			
		(4) Reservoir to Ilukwawe							
				0		59			

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MAJOR INTERVENTION AND ACTIVITIES	OUTPUT	LOCATION	Target For This Qtr.	Achievement For This Qtr.	PROGRESS %	1994 Target	Achievements To date	PROGRESS %	REMARKS
(b) Feeder Channel									
Inclusion of Huruluwewa Officials in Mahaweli Water Pannel	Release of full quota assured (150 cusecs)		50%	0	0	100%	0		<p>For the first time a workshop held at Dambulla DS office to decide on 94/95 Maha cultivation programme for the entire watershed.</p> <p>Farmer leaders from Feeder canal, small tanks and Huruluwewa participated in the workshop. Important decisions were reached at this workshop.</p> <p>Several meetings in both upper &amp; lower watershed (about 15) at Farmer Organization level to brief the Maha cultivation programme were held.</p> <p>Cultivation programme was briefed to the officers &amp; farmers at the IMD project meeting and DS office.</p> <p>In the other small tanks, Maha cultivation was arranged in such a way to start the cultivation with the onset of rains.</p> <p>Demonstration plots were established to promote sesbania species as a green manure for paddy cultivation.</p> <p>Farmers were agreed to cultivate banana in the paddy fields at Angunawelpelessa and Walgamwewa.</p> <p>Several awareness programmes were carried out to grow OFCs in command area.</p>
Proper Operation and Maintenance of the Channel	(a) Handover the full system to ID/ Huruluwawe (Except 1st 5 miles) (b) Turn Over the Channel System to Farmer Organisation and maintain the channel in correct profile	Lenadora to Sigiriya Tank	38%	0	0	100%	0		
Coordination among F.O.O. in the System	Supply of 90 cusecs to Huruluwewa assured (%)	Lenadora to Huruluwewa Tank							
Establishment of appropriate cropping systems.	Appropriate cropping systems established in 5 ha (%)	Lenadora to Huruluwewa Tank		0		50%	0		
(c) Command Area Crop diversification during Maha and Yala	Yala - 1500 ha Maha - 1000 ha	Huruluwewa, Kiulekada, Mahadivulwewa, Maha - Rambewa, Meegaswewa	500	0	0	1500 ha. 1000 ha.	0		
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								
Irrigation Scheduling									
Operation and maintenance of the System	Identify and rectify O&M problems in tract 6 through user participation  Efficient System Management		38%	0	0	100%	0		

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MAJOR INTERVENTION AND ACTIVITIES	OUTPUT	LOCATION	Target For This Qtr.	Achievement For This Qtr.	PROGRESS %	1994 Target	Achievements To date	PROGRESS %	REMARKS
Coordination with the activities of small tanks within the Huruluwewa Scheme	One sub-council formed including representatives of small tanks in Huruluwewa	Kannimaduwa, Ihalagamewewa, Dutuwewa, Gatalawa, Kokawewa, Palugollagama, Maradankadallawewa, Jayanthiwewa, Ilubbodayagamawewa and Ilachchankulama.	5%	0	0	10%	0		
(d) Drainage Area									
Utilisation of drainage Water of Huruluwewa	Drainage water utilization improved in 300 ha	From Nikawewa Anicut to Ilukwewa Anicut	30	0	0	210	0		
On-farm Water Management			30	0	0	210	0		
Establishment of appropriate cropping systems	Cropping patterns introduced in 300 ha of drainage area		-	0		150	0		
) SHARING RESOURCES FOR IMPROVING HOMESTEAD									
(a) Establish three Commercialized plant nurseries	3 nurseries	Two nurseries in Huruluwewa command area and one in feeder channel	4	5	125	2	11	550	Following nurries were established. Gerendiyaupotha - (Mango - 30, Lime - 500, Jack - 200 & Ericonut - 100 plants.) Kokawewa - (Cashew - 1500, Jack - 800, Lime - 100, Mohogani - 100, Bambo - 4000 & Coconut - 100 plants.)
(Fruits, Forests and Gliricidia Seedlings)									
(b) Establish Model Homesteads	28 model homesteads established	KK, NW, GW, EW, T/6, MDW, MRW, SP, MD, MW, E - H, H - S1, S2 - LM, CA	2	0	0	4	27	675	Markin contour bunds in Tract 6 - 300Ac, Padikaramaduwa 170Ac & Maradankalla 8Ac. Established contour bunds in Tract 6 - 250Ac & Padikaramaduwa 120Ac. Several training programmes were held to establish moddle homestead at lower & upper water watershed. Arrangements were made with CCB & Forest Dept. to distribute 10,000 coconut seedlings and to establish Agro-Forestry homestead.
(c) Expansion of Homestead due to spread effects	112 additional homesteads meged as models 250 households benefitted		8	0	0	32	32	100	
(d) Livestock Improvement of Milk Production Heads - 500	500 heads of cattle 250 households benefitted	KK, NW, GW, EW, T/6, MDW, MRW, SP,	25	0	0	125	14	11	Seventy five cattles were artificialy inseminated at Tract 6 & 5. Threeteen farm families were commenced in producing curd in Janasirigama. Preliminary activities have been taken to establish pasture at Tract 6.
Processing of milk and Establish market links	2 processing units 250 farm families benefitted	KK, NW, GW, EW, T/6, MDW, MRW, SP,	75 Lts	0	0	475	0		

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MAJOR INTERVENTION AND ACTIVITIES	OUTPUT	LOCATION	Target For This Qtr.	Achievement For This Qtr.	PROGRESS %	1994 Target	Achievements To date	PROGRESS %	REMARKS
Promotion of goat rearing	150 heads of goats 75 farm families	Huruluwewa Command area	--	0		75	89	119	Arrange loan facilities from the Bank of Ceylon to 53 user groups in Tract 6 for improving goat farming. Held a training programme in cultivating medicinal herbs.(100 students & 3 teachers were participated)
(e) Promotion of apiculture and Medicinal herbs	Introduction of 300 bee colonies Medicinal herbs in 5 ha	KK, CA,MD,MRW	-	0		25	0		
(f) Establishment of Fruit villages	2 villages	CA,MD,SD,KK	-	0		100 ha	0		
(g) Promotion of Agro-based industries	4 industries	KK, NW, GW, EW, T/6, MDW, MRW, CA	-	0		50	0		
(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			100% Research findings will be before Aug.'94 and recommendations will be implemented from Maha 94/95			Continuation of well water level & rain fall data monitoring. Constructed 11 OB wells & collected soil samples and analysed. Carried out four pumping tests.
(b) Providing necessary services through user groups	5 user groups providing services	Feeder Canal HW catchment, command Highland and Drainage				25%			
(6) LAND CONSOLIDATION IN MINOR TANK									
Formation of user groups	15 user groups formed	MD, Kanni - Maduwa, Meeagaswewa, Thelhawadiyawewa and 2 NIRP Tanks.				5			During this quarter called the two task force & explained them to analyze the data which obtained. Completed the data surveys in Padikaramaduwa and Kokawewa & decided to do surveying the lands. For this discussion the farmer leaders and technical officers of the ACAS participated.
Innitiate land consolidation	5 tanks					1			
Consolidation of ownership under one Tank	1 tank					-			

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MAJOR INTERVENTION AND ACTIVITIES	OUTPUT	LOCATION	Target For This Qtr.	Achievement For This Qtr.	PROGRESS %	1994 Target	Achievements To date	PROGRESS %	REMARKS
INTEGRATED PLANNING AND COORDINATION									
Promote inter-agency collaboration	An integrated watershed management plan developed	DS divisions of Galenbidunuwewa, Palugaswewa, Kikirawa, Dambulla and Naulla					Continuous process		AgEnt team members were agreed to finance for constructing five storing houses for B onion. SCOR had made arrangements to supply soyabeans to tripasa(CTC). Conducted a workshop in concurrence with the Bank of Ceylon officials in promoting mini project to obtain loan facilities. The USAID, AgEnt & NIRP officials visited the watershed. Had one field visit & two meetings with the FDRCI researchers in promoting SCOR activities. Had a meeting with the entire project staff with the project leader & conducted three staff meetings.
Promote inter-project coordination	WRMT institutionalized as coordinating mechanism at DS level								
Coordination at centre, Provincial Council and Divisional Levels	NSC/PSC/DS coordination institutionalized as a coordinating mechanism								
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 integrate management of land and water resource	10 user organizations integrated into the watershed resources management planning								

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MAJOR INTERVENTION AND ACTIVITIES	OUTPUT	LOCATION	Target For This Qtr.	Achievement For This Qtr.	PROGRESS %	1994 Target	Achievements To date	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 farm Homestead & Horticulture Cultivation under Agro-wells Goat Husbandry Training in group dynamics and leaders resources use planning Sustainable practices Organization and financial management Marketing	100 groups 10 new organizations 50 existing organizations 1 new sub-council  100 representatives of RUGs 40 reps. of User organizations	KK, MW, DW, EW, T/6, MDW, MRW, SD, MD, MW, E-H, H-SI, SI-LN CA		7		100	29 7 2 18	29	During this quarter seven groups formed & make arrangements to organize 14 groups. Had seven planning meetings with farmer reps in preparing project report (contiguous areas). Bank loans approved for goat farming of five groups at Tract 6 & Nikawewa. Surplus money collected from the Soya is vested for paddy purchasing with the SCOR grants by the Hurulunikawewa FO.
8.2 Organize and strengthen institutional structures for marketing	Forward contract Collective bargaining Tenure rearrangement Formal agreements New enterprises								

**SCOR PROJECT – UPPER NILWALA WATERSHED  
PHYSICAL PROGRESS – 3rd 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	Target For this Quarter	Achievement For this Quarter	Progress %	1994 Target	Achievement To date	Achievement To date of 1994 (Target)	REMARKS	
<b>THEME : SHARED MANAGEMENT OF LAND &amp; WATER RESOURCES</b>								Areas identified with the Forest Department subjected to approval by the CF	
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: Aninkanda sws – 100 ha Diyadawa sws – 100 ha Milla Ela sws – 100 ha Horagala sws – 100 ha	50 50 50 50	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 asses number of people involved	1 map for each sws at 1:5000	88	38%	50%	100	50%	50%	Horagala and Milla Ela
1.1.1.3	Establish formal agreements by the state with user groups/organizations	For 400 ha	100%	0	0	100		0	
1.1.2	Introduce Agro-forestry	Agro forestry systems introduced in 40 ha	20	0	0%	40	0	0	Locations for Agroforestry identified.
1.1.2.1	Identify locations for interventions	A document showing locations and map	32	3	20%	40	11	20%	Dothalugala and Horagala East(Weraluwa) in the 2nd quarter. Kanmiyagala in Milla Ela SWS in 2nd quarter.
1.1.2.2	Design possible cropping systems for above areas	A document describing the concepts and proposed cropping system	NP	3			3		Agro forestry model for Horagala encroached tea lands has been prepared. Details in 1.6
1.1.2.3	Raise plants	50,000 plants							
1.1.2.4	Establish user groups	4 User groups formed	4	0	0.00	4	0	0	Three groups were identified and yet to be formed in Horagala, Aninkanda and Milla Ela SWSs.
1.1.2.5	Technology Transfer – User training – Demonstration	80 users trained 4 Demonstrations	80 4	17 0	21% 0.00	80 4	17 0	21%	Training is done in Aninkanda SWS.

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THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	Target For this Quarter	Achievement For this Quarter	Progress %	1994 Target	Achievement To date	Achievement To date of 1994 (Target)	REMARKS	
1.1.2.6	Establishment of plants in degraded forest ( Conservation forest )	NP	0			5		Planting was done in Dothalugala degraded forest (500 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 (Kitul, Bamboo, herbal medicine, bee honey)								
1.1.3.1	Asses possibilities for non - wood forest products utilization	A document describing potential and possibilities	0	0	100%	100%	100%	Document prepared in first quarter. Document on Oleo resin production from pinus was prepared in 2nd Quarter.	
1.1.3.2	Establish rights to collect non wood forests products	Rights for three products established	3	0	0	3	0	0	Discussion with CF in progress.
1.1.3.3	Formation of user groups for								
	(a) Kitul Industry	9 Kitul produce groups formed Mugunnumulla - 2 groups	2	0	0	2	0	0	RUG 214 is defunct
		Beralapanatara - 3 groups	2	0	33%	3	1	33%	RUG 103
		Horagala (E) - 3 groups	1	0	66%	3	2	66%	RUG 406 & RUG 412
		Millawa - 1 group	1	0	0	1	0	0	
	(b) Pinus Tapping	2 Pinus tapping groups formed Anninkanda, Hingewatta - 1 group	1	1	100%	1	1	100%	RUG118
		Diyadawa - 1 group	1	1	100%	1	1	100%	RUG223
1.1.3.4	Develop skills to generate income through non - wood forest products while conserving the forests	120 users trained	60	0	0%	100	0	0	Non - wood forest products identified. Draft document prepared.
1.1.3.5	Establish facilities for production, processing, packing and marketing for the above products	2 centres established	NP	0					
1.2	Degraded Other State Forests (Divisional Secretary)								
1.2.1	Promote conservation farming in cultivated areas		400	0					Information being analyzed in respect of 2 contiguous areas. (440 + 230)ha & Land use chart prepared.

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THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	Target For this Quarter	Achievement For this Quarter	Progress %	1994 Target	Achievement To date	Achievement To date of 1994 (Target)	REMARKS
1.2.1.1 Identify degraded areas for intervention	Degraded areas (400 ha) identified and a report with maps prepared				400			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 terraced edges	Protective measures established in 400 ha	100			200			Interventions are reported under theme 3.0 until the boundary decided
1.2.1.3 Identify/form groups	10 user groups formed	10			10		0	Debate on defining the boundary of other state forests delayed group formation. A decision been made to form groups in areas selected based on slope and land use. Forestry specialist has been undertaken field visits to suggested locations by catalyst.
1.2.1.4 Establish demonstrations on conservation farming	12 demonstrations 4 - Milla Ela 5 - Anninkanda 2 - Tenipita 1 - Horagala	6	0		12		0	
1.2.1.5 Establish agreements with state and user groups: (permit/usufruct)	Usufruct rights/permits granted for 400 ha.	150	0		250			Procedural changes awaited.
Establishment of stream gardens	4 locations (19.0 km) identified, reports prepared with maps			100%		100%		
1.3.1 Identify locations for interventions in stream reservations	ANINKANDA SWS Stream originating from Dothalu. Kanda leading to Thiruwana. -08 km.(approx) Liyanage Dola - 1.0 km.(Kirimanadola)	0	0%	100%	100%		100%	Streams mapped Map completed
	DIYADAWA / THANIPITA Thiruwana dola, Mugunumulla -1.0km Thanipita dola 1km.	0	0%	100%	100%		100%	- Horahena - Bodeniya map on Nilwala completed. - Thanipita map completed
	HORAGALA SWS Bovitiya dola 1 km	0	0%	100%	100%		100%	- Bovitiya dola map completed
	Kathigana dola 1 km.	0	0%	100%				- Mapping completed ahead of target
	MILLA ELA MWS Stream originating from Yamankanda, Kambokkawa leading to Milla Ela -7.0km	0	0%	100%	100%		100%	Map completed do

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THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	Target	Achievement	Progress	1994	Achievement	Achievement	REMARKS	
		For this Quarter	For this Quarter	%	Target	To date	To date of 1994 (Target)		
1.3.2	Involve existing NGOs, voluntary organizations for conservation practices.	4 NGOs involved Above locations	2	1	75%	4	3	75%	NGO in Milla Ela SWS Dothalugala Urumaya grant recommended
1.3.3	Procure suitable plants through NGOs, Nursery.	10,000 plants arranged Above locations	6489	1509	56%	10000	5601	56%	
1.3.4	Establish model stream garden demonstrations	6 models established	5	0	16%	6	1	16%	Nagahaketadola and Demodara Wala Dola model stream gardens establishment continued. Udadola garden further improved
1.3.5	Establish user groups	6 groups established Above locations	0 EA		100% EA	6	13 EA		RUG101B, RUG102, RUG106, RUG224, RUG225, RUG226, RUG 228, RUG315, RUG402, RUG410 RUG410, RUG316 RUG117. RUG 229 is defunct.
1.3.6	Establish user rights	Usufruct rights established for 19.0 km length. Above locations	7	0					Dialogue continuing with land authorities Meanwhile users are engaged in planting as indicated in 1.3.3
1.3.7	Extension of model stream gardens by the NGOs involving user groups	Stream garden models extended to cover 19 kms. Above locations	0 EA	5	EA	12	13	100%	5 km in Diyadawa /Thanipita SWS 2.5 km in Horagala SWS 2km in Millaela SWS 3.5 Km in Aninkanda SWS
1.3.8	Establish usufructuary rights through formal agreements	formal agreements entered with 6 user groups (above locations)	6	0	0%	6	0	0%	Dialogue continuing with land authorities
1.4	Revegetating road reservations	Locations for interventions identified 11.5 km. and map prepared.							
1.4.1	Identify locations for interventions	Kaluwagaha Koratuwa - Thanipita Rd. Thaipalakanda - Berelapanathara road. Millawa Dellawa road - 3 km Morawaka - Millawa road (upper section)	0% 0% 0% 0%	0	100% 100% 100% 100%	100% 100% 100% 100%	100% 100% 100% 100%	100% 100% 100% 100%	The task was completed in the 1st quarter
1.4.2	Establish groups for avenue planting and raising plant nurseries	8 user groups formed Above locations 2 groups/mws	4	0	0%	8	0	0%	The plants are raised in Nurseries mentioned 1.6

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THEMES AND MAJOR ACTIVITY AREAS		END OF PROJECT TARGET	Target For this Quarter	Achievement For this Quarter	Progress %	1994 Target	Achievement To date	Achievement To date of 1994 (Target)	REMARKS
1.4.3	Obtain clearance form local authorities for interventions	Clearance obtained (letter) Above locations	100%		0%	100	0	0%	Dialogue continue
1.4.4	Arrange for planting materials & planting	10,000 plants raised. As above	NP	3400	EA	5000	3490	59%	90 Aricunut plants were established along .3 Km Thalapakanda 2900 plants in Thanipita B'panathara road. 500 plants in Millawa Dellawa Road
1.4.5	Arrange training	80 users trained and a report prepared	20	89	100%	50	89	100%	Training was done in Diyadawa Thanipta SWS
1.4.6	Arrange granting of usufruct rights	Usufruct rights granted to 80 users (document) (as above)	20	0	0%	50	0	0%	
5	Mini-hydro power generation through shared capital investment	14 KW power generated through shared investment Bovitiyadola at Ilukpitiya 4KW Kiriwana dola at Mugunumulla 10 KW							
1.5.1	Feasibility study	Feasibility report produced	0	0	100%	100	100%		Field investigations by ITDG completed and pre-feasibility report received.
1.5.2	Form user organizations	2 user organizations formed	1	0	50%	2	1	50%	RUG407 RUG 220 is defunct.
1.5.3	Arrange support	Grants awarded and external support arranged.	100	0	0%	100	0	0%	Arrange support from Janasawiya Trust Fund and fund collection stated from beneficiaries
1.5.4	Plant construction	Plant built	NP						
1.5.5	Commission project	10 kw electricity generated	NP						
1.6	Raise plants to be utilized for intervention under theme (1)	50,000 plants Aninkanda - Beralapanathara & Thalapa Diyadawa Thanipita - Olakumbura Millaela - Pahalamillawa Horagala - Udahoragala & Illukpitiya	11487	2761	76%	50000	28774	57%	User groups; RUG101A, RUG102, RUG204, RUG40RUG1, RUG402 RUG318, RUG319
1.6.1	User training on nurserary management			6			6		Nursery manual prepared and distribute among nursery groups. Members of nursery groups are being trained by FC of SCOR. 6 Members trained by Dept. Agriculture.

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THEMES AND MAJOR ACTIVITY AREAS		END OF PROJECT TARGET	Target For this Quarter	Achievement For this Quarter	Progress %	1994 Target	Achievement To date	Achievement To date of 1994 (Target)	REMARKS
2.0	<b>THEME - SHARING RESOURCES FOR IMPROVING HOMESTEADS</b>								
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 Thalapalakanda village - 32 Nos.	0	0	100%	32	32	100%	
		HORAGALA SWS Horagala Yatihoragala 15 nos.	0		100%	15	15	100%	Action has been initiated.
		DIYADAWA TENIPITA SWS Tanipita - 8 Nos.	8	8	100%	8	8	100%	
		Kalugalahena (for Geeganagoda) Bataandura - 5 Nos.	0	5	100%	10	10	100%	
		Olakumbura - 3 Nos.	5	3	100%	5	5	100%	
		MILLA ELA MWS Polgasvila - 10 Nos.	3	3	100%	3	3	100%	
		Morawaka - 8 Nos.	0		100%	10	10	100%	
		Ihala Millawa - 30 Nos.	0		100%	8	8	100%	
			0		100%	30	30	100%	
	2.1.2 Studies aimed at homestead management problem analysis	Management problems identified (About 125 Nos. Homesteads) and report prepared (above locations)	50%	50%	100%	1	100%	100%	Report prepared
	2.1.3 Recommend appropriate farming systems	Report describing appropriate farming system (above locations)	50	50%	100%	100	100%	100%	Report prepared
	2.1.4 Formation of user groups for homestead development	10 RUGs formed (above locations)	4	0	71%	10	3	50%	RUG404 RUG321 RUG305 RUG232 & RUG110 are defunct
	2.1.5 Establish model homestead demonstrations	4 Demonstrations established and a report prepared (one per each sws)	3	0	25%	4	1	25%	One homestead identified to develop as model homesteads in Milla Ela SWS and conservation measures were established. Appropriate cropping system was recommended.
	2.1.6 Arrange training	125 users trained (above locations)	101	38	50%	125	62	50%	Training is done in Aninkanda & Milla Ela SWS 38 were trained in the second quarter

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THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	Target For this Quarter	Achievement For this Quarter	Progress %	1994 Target	Achievement To date	Achievement To date of 1994 (Target)	REMARKS
2.1.7 Facilitate procurement of planting materials	Planting materials required for 125 homesteads arranged	107	24	33%	125	42	33%	Supply coconut and vegetable through user groups. 33 Homesteads in Rambukdeniya Dola & 30 homesteads in Annasidola have been identified for development and activities included respective mini projects. Awaiting approval for such input for implementation
2.2.1 Promotion of Apiculture	Horagala 80 Bee colonies established in 4 SWS 35 - Beralapanathara/Kaluwagahahena 35 - Upper Millawa 10 - Diyadawa	8	0	95%	40	19	48%	Two Bee Colonies established in Milla Ela 20 Bee boxes purchased and supplied to Horagala & Diyadawa/Thanipita SWS 10 colonies in Diyadawa/Thanipita established
2.2.1.1 Identify potential locations	40 potential locations identified (80 colonies) and report prepared	EA	0	EA	20	40	EA	Nectar survey carried out by Dept. of Agric & potential locations identified in Diyadawa - Tenipita. 40 locations were identified ahead of target in the first quarter.
2.2.1.2 Establish resource user groups for Bee keeping	4 RUGs formed (1 RUG per SWS)	EA	0	EA	2	2	100%	RUG 413 & RUG 231
2.2.1.3 Bee keeper training	40 users trained (above locations)	EA	0	100%	20	29	100%	Initial discussions held with Agri. Dept. to conduct training in Diyadawa - Tenipita and Horagala SWSs.
2.2.2.2 Establish resource user groups for floriculture	9 user groups formed Milla Ela - 2 Aninkanda - 7	2	1	88%	9	8	88%	RUG 104, RUG 105, RUG 107, RUG 108, RUG 112, RUG 306, RUG 317. Mini projects prepared Grant awarded. RUG 113 formed in July.
2.2.2.3 Training on plant propagation and other techniques.	135 user trained	17	14	95%	135	62	45%	Members of user groups were trained in plant establishment and management.
2.2.3 Livestock Development								
2.2.3.1 Improvement of Cattle husbandry	Anninkanda 40 units	NP			10			A.I programmes in progress in all 3 locations.
Improvement Goat husbandry	Diyadawa 10 units	NP			2			
	Milla Ela 25 units	NP			5			
	Anninkanda 2 units Liyanagewatta and Kaluwagahahena	NP			1			

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THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	Target For this Quarter	Achievement For this Quarter	Progress %	1994 Target	Achievement To date	Achievement To date of 1994 (Target)	REMARKS		
2.2.3.2	Establish groups for cattle husbandry	7 groups formed (above locations)	2	0	71%	7	5	71%	RUG 222, 327, 322 411 325 groups formed ahead of the target RUG210 is defunct.	
2.2.3.3	Establish groups for goat husbandry	2 groups formed (above location)	1	0	50%	2	1	50%	RUG202 formed & constraint analysis completed Initial discussion were held with the goat farmers in Aninkanda SWS	
2.2.3.4	Establish demonstration on ruminant feeder legume fences	4000 m. (in all four swss)	2000	0	0%	2000	0	0%		
2.2.3.5	Establish compost heaps	100 Nos. (as above)	38	39	100%	50	51	100%	Training & demonstration was organized and 291 users were trained on organic farming in all 4 SWS.	
2.3	Establish value adding opportunities for primary products	Value adding opportunities introduced for Milk, Fruit, Kithul Coir and Herbal plants - 100 users benefitted and concept paper developed Milla Ela, Anninkanda and Tenipata	25	3	12%	50	3	6%	Jak nut chips RUG328	
2.3.1	Organize groups for value added production	10 resource user groups formed . Increase income through value added and environmentally sound production	8	2	40%	10	4	40%	RUG406 - Treacle , RUG222 - Curd(Initiated), RUG328 for Jak nut chips. Fruit drying under Rambukdeniya mutly activity project.	
2.3.2	Negotiate with existing programmes, agencies NGOs for interventions	Intervening areas identified and report produced (above locations)	100%	0	0%	100%	0	0%	Report is being prepared	
2.3.3	Arrange, technology transfer	Technology transfer arranged for 100 users (above locations)	40	5	30%	50	15	30%	Dehydration technique was introduced. Yorgurt production technique	
2.4	2.4.1	Identify potential markets & linkages	A report showing potential markets and linkages in respect of 7 commodities	60%	10%	50%	100	50%	50%	Information gathering in progress. Report being prepared for Kithul.
2.4	2.4.2	Establish market opportunities & linkage for primary and value-added products	Market links established for 7 products (above locations)	2	2	100%	4	2	50%	Improve the bargaining power of kithul treacle producers RUG406 RUG222 linked to Nestle & agreed to provide milk can and a lactometer. Action initiated to link small holders to supply green leaf direct to factory.
2.5	Organize user groups for collection, processing, package, transport and delivery to market	4 user groups formed	0	0	100%	4	3	75%	RUG406 for collective marketing and improve the quality of the products. RUG 223 for collection, storage & marketing processing, packing & marketing of EAC and fruit crops. RUG414 for collective storage & marketing of products	

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THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	Target	Achievement	Progress	1994 Target	Achievement	Achievement	REMARKS	
		For this Quarter	For this Quarter	%		To date	To date of 1994 (Target)		
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	6	EA	10	6	60%	Training on Yourget production in Milla Ela SWS
2.7	Arrange credit facilities for activities in respect value added enterprises	Credit facilities & service linkages established for 4 RUGs (3 sws)	20	0	0%	40	0	0%	
2.8	Arrange input and other service facilities: seeds, plants etc.	Input facilities & service linkages established for 40 RUGs (all 4 swss)	NP	6	EA	10	6	60%	for nurseries, seed paddy enterprises
3.0	<b>IMPROVE TEA - PADDY CULTURE</b>								
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 <b>Anninkanda sws:</b> Thalapakanda 75 ha <b>Diyadawa/Tenipita sws:</b> Gobakumbura, Olakumbura, Bodiniya, Geeganagoda - 125 ha. <b>Milla Ela sws:</b> Yamankanda, Kambokka, Millawa West - 150 ha. <b>Horagala sws:</b> Yati Horagala, Ilukpitiya 50 ha	0%	0	100%	100%	100%	100%	Map & report prepared
			0%	0	100%	100%	100%	100%	
			0%	0	100%	100%	100%	100%	
			0%	0	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 & data collected. commenced in May 1994
3.1.1.3	Establish protective measures (a) Agronomic measures - Organic Bunds - SALT Technique - Pasture strips on foot paths & stone terraces  (b) Mechanical Measures - Improve existing - Leader drains - Contour drains - Stone terraces	Protective measures adopted in 400 ha. (as above)	84	16	31.5%	300	31.5	7%	Cumulative to date: Horagala 15.5 ha Millaela 5 ha Diyadawa 6.0 ha Aninkanda 5 ha  Protection measures established

THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	Target	Achie-	Progress	1994	Achie-	Achie-	REMARKS
		For this Quarter	vement For this Quarter		Target	vement To date	vement Todate of 1994 (Target)	
3.1.1.4 Introduce tree strips along streams bordering tea lands	Tree strips introduced 4000 m (1000 per sws) - above locations	660	200	54%	3000	540	18%	Diyadawa Thanipita SWS ( Rambukdeniya Dola ) Aninkanda SWS Polgahena Dola
3.1.1.5 Establish demonstrations on conservation measures and tree strips along stream banks	Demonstrations established 8 Nos. 2 per sws - above locations	4	0	0%	8	0	0%	
3.1.2 Promote planting fuel coups, intercropping and border cropping in tea small holdings	60 ha tea small holdings improved Same locations selected for inter-ventions under section 3.1.1.1	12	4	46%	45	7	15%	Intercropping 0.5 ha ( Mahogany ) - Diyadawa - Tenipita Border cropping 2.5 ha. aricunut
3.1.3 Facilitate linkages with small holders & large plantations for supply of inputs, quality planting materials and output marketing	Linkage established - 1000 Tea Small Holders benefitted In all sws	200	0	0%	400	0	0%	Negotiations being held with large plantations & cooperatives.
<b>3.2 Improve paddy productivity</b>								
3.2.1 Improve water acquisition and land management	8 locations (46 ha) identified	0%	0	100%	100	100%	100%	Locations have been identified
3.2.1.1	Report prepared Aninkanda sws: Thalapalakanda paddy tract - 5 ha. Pathawita yaya - 10 ha. Diyadawa - Tenipita sws: Hanferd tract 8 Ha Milla Ela sws: Ambalankumbura yaya - 2 ha. Annasidola 3 ha. Pansalagawa kumbura - 7 ha. Ambagahagoda kumbura - 3 ha. Horagala sws: Kirimatiya - 5 ha. Illukpitiya yaya 3Ha.	25%	25%	100%	100	100%	100%	do
		0%	0	100%	100	100%	100%	do
		0%	0	100%	100	100%	100%	do

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THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	Target For this Quarter	Achievement For this Quarter	Progress %	1994 Target	Achievement To date	Achievement To date of 1994 (Target)	REMARKS
3.2.1.2 Facilitate arrangements for sharing capital for development of irrigation systems	46 ha of paddy lands developed through shared investment Above locations	0	0	100%	26	10	39%	Drainage system improved. Activities started in Annasidola yaya and Pothuwila Yaya are continued. Aninkanda 3.5 ha ( Pothuvila yaya ) Diyadawa - Tenipitas 2.0 Milla Ela 3.0 ( Annasidola yaya). Horagala 1.5 ( Kirimaliyas yaya ) Maddeathura Yaya 1.7ha Aninkanda; Wanuwala Irrigation and Drainage scheme inspected solutions proposed. DCAS held discussions with FO reps. Promised supply of line pipe. Annasidola anicut repair contract awarded to the FO, New anicut identified for rehabilitation.
3.2.2 Land consolidation	Paddy lands consolidated - 46 ha. Above locations							Task force 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 (above locations)	100%			100	0		Preliminary Discussions initiated at Milla Ela SWS
3.2.2.2 Identify areas for land consolidation	Areas identified and report produced	100%			100	0		
3.2.2.3 Establish contacts with relevant officials & users	Contact established (above locations)	100%			100	0		
3.2.2.4 Map out Strategy by the task force	Strategy identified and report produced							
3.2.2.5 Implement land consolidation in selected sites with Rehab. Projects	46 ha of paddy lands consolidated	14		0%	29	0	0%	
3.2.3 Promote integrated pest management and use of organic manure in paddy lands	Integrated pest management practice and use of organic manure promoted  Application of chemical fertilizer reduced, soil physical condition improved 46 ha. (above locations)	0		100%	26	10	38%	Training programme continuing

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THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	Target	Achievement	Progress	1994	Achievement	Achievement	REMARKS	
		For this Quarter	For this Quarter	%	Target	To date	To date of 1994 (Target)		
3.2.4 Facilitate seed paddy production within sws	A seed paddy yaya established for each sws - 19 ha	0		EA	3.0	3.50	100%	Seed paddy yaya established  Trainning was given on harvesting, threshing, bagging pricing and marketing.	
	Aninkanda sws 5 ha	0		EA	2.0	2.00	100%		
	Diyadawa Tenipita sws 4 ha	0		EA	4.0	3.00	75%		
	Milla Ela sws 8 ha	0		EA	2.0	1.50	75%		
Horagala sws 2 ha	0		EA						
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	3	3	100%	26	10	38%	Concervation practices are continuing in all locations Dandenikanda yaya in third quarter	
3.2.6 Formation of user groups for improving paddy culture	16 user groups formed (above locations)	9	1	43%	16	7	43%	RUG 1001, RUG 2001, RUG 304, RUG 307, RUG 324, RUG 326, RUG 408	
3.2.7 Arrange training	160 users trained (above locations)	84	30	66%	160	106	66%	Training programmes are being continued during the season.	
3.2.8 Arrange inputs	Required inputs arranged 46 ha. Fertilizer, agro-chemicals, seed paddy	0		100%	26	10	38%	Arrange registered seed paddy ( 1.1 m.tons), Fertilizer for seed paddy farms. Fertilizer for seed paddy farms ( 1.6 m.tons).	
3.2.9	46 ha Above locations	NP							
4.0	<b>THEME ORGANIZE GROUPS FOR IMPROVED PRODUCTION, PROTECTION, MARKETING AND RELATED SERVICES</b>								
4.1	Identify and asses existing organizations & CBOs etd.	Use organizations. CBOs identified and assessed (in 4 sws)	0%		100%	100	100	100%	Identifications and assesment completed
4.2	Organize user groups for collection, transport and delivery of produce to markets	4 user groups formed in 4 sws	1		75%	4	3	75%	RUG 406 - Treacle, RUG 203 - Agri Products RUG 414 in Horagala
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	1		80%	10	4	40%	Four service organizations in each SWS

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	THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	Target For this Quarter	Achievement For this Quarter	Progress %	1994 Target	Achievement To date	Achievement To date of 1994 (Target)	REMARKS
4.4	Formation of sub user council form organizations mentioned in 4.3	1 sub user council formed Nilwala Upper Watershed	NP			1			
4.5	Training representatives of: - RUOS - User sub council	40 Reprs. trained } 04 Reprs. trained } in 4 sws	20		0%	40 4	0	0%	
4.6	Arrange small grants for user groups and invested into common user assets	75 small grants arranged to user groups in 4 sws	16	1	80%	75	20	36%	One supplementary grant awarded to RUG401 in July. In addition 3 NGO grants were given. Three grants subjected to approve by the WRMT
4.7	Facilitate user organizations to establish links with lending institutions to obtain credit for commercial activities	10 user organizations linked with credit institutions All 4 sws	2		33%	6	1	16%	
4.8	Facilitate user groups/organizations to procure input supply through collective action	Requirements of inputs obtained through collective action - 10 organizations (all 4 sws)	1	1	66%	6	2	33%	4 RUG engaged in seed paddy enterprise arranged, collective purchases. 7 RUG in Anthurium production arranged collective purchases.
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 Nos.) Link established with new markets for 4 sws	EA	0		2	1	50%	Buyer - Seller meeting of inputs, arrange in Horagla for sale of Kitual treacle & realised higher returns. This practice being continued. Users were motivated to store dried aricunut to higher return.
4.10	Establish new commercial enterprises through user groups	5 new enterprises established 4 sws	1	1	100%	2	1	50%	Jak nut chips production in Milla Ela SWS RUG328
4.11	Facilitate user group/organizations to form a production company	One production company established - Nilwala Upper watershed	NP						
5.0	<b>THEME INTEGRATED PLANNING &amp; COORDINATION</b>								
5.1	Prepare inventory of gov. agencies and non-govt agencies relevant to land and water management of Upper Nilwala Watershed	Inventory of land and water resources managing agencies and a report prepared (Upper Nilwala watershed)	0%			100%	100%	100%	Completed in 1st quarter
5.2	Prepare inventory of resource management inputs for Nilwala Upper Watershed with the assistance of agencies mentioned in 5.1	Land and water resources management budget Upper Nilwala watershed	100%		0%	100	0	0%	Work in progress

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	THEMES AND MAJOR ACTIVITY AREAS	END OF PROJECT TARGET	Target For this Quarter	Achievement For this Quarter	Progress %	1994 Target	Achievement To date	Achievement To date of 1994 (Target)	REMARKS
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 Nos.)	4		0%	4	0	0%	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	10 25		0% 0%	10 25	0 0	0% 0%	Planned workshop postponed to 3rd quarter - Post general election period.
5.5	Arrange training on "participatory natural resource management" for NGOs, PVT. Sector orgs (PSOs).	15 NGO & PSO reps. trained	15		0%	15	0	0%	Workshop for Pradeshiasbha members planned for Oct 94.
5.6	Install monitoring & Evaluation systems at Divisional Secretariat/Micro watershed level	SWS level monitoring & evaluation system established (4 systems)	4		0%	4	0	0%	Organizational arrangement done through sub watershed working groups (4) chaired by DSS & attended by GNN, RUG reps & related local agencies officials Monitoring system initiated through watershed WG meeting.