

OBJECTIVES & METHODOLGY

- Survey and mapping of crucial wetland habitats – ecological aspects, socio-economic situation of stakeholders, to have dialogue and advocacy with the Government for declaring wetlands as important conservation areas & to develop local management plans.
- Selection based on previous field visits, knowledge & hill water project & questionnaire prepared for physical parameters, biological parameters, threats, anthropogenic activities and management issues through 4 teams.

LIST OF WETLANDS SURVEYED

- Ooty: 13 wetlands
- Gudalur: 5 Wetlands
- Kotagiri: 15Wetlands
- Coonoor:5 Wetlands

Out of these 5 wetlands have been selected for making LMPafter taking into considering all the parameters involved. The names of the Wetlands are Taranadmund, Konavakarai, Padanthurai, Nedugula & Raliah.

Wetlands in the Nilgiris.....

- In Urban Areas– converted to residential plots, Dumping ground of garbage and sewage.
- In Rural areas- encroached for community halls, schools, public toilets and source tapped for supplying drinking water to towns.
- In Rural areas- large areas converted to agricultural land, used for pumping out water for agricultural purpose, free flow of pesticide into the wetland, eucalyptus units set-up adjacent.
- In forested areas and privately owned Tea Estates- Some protected, others used as picnic spots and for fishing activities,





Action taken from April to June 2006....

- Nursery Vettiver(432 No.), Acorus Calamus (214 Nos)& Syzigium(50 Nos), Salix(90 Nos), Macaranga indica(50 N0s), Canarium(30 Nos.) & Strobilanthus (54 cuttings) raised to be planted in the wetlands. (Totally 920 saplings). One women has been recruited to take care of the nursery & latter of the campus.
- Briefing about the importance of wetlands & why wetlands should be conserved.
- Planted about 50 saplings of wetland spp on the wetland by the local people & KS staff.
- Wetland Walk undertaken on (6th June 2006) from Mission compound to Kambai Kadai through Happy Valley
- T-shirts on wetlands conservation were released on the same day.
- Information brochures on wetlands distributed to local people both in English & Tamil.
- School children from CSI & St. Mary's school participated in the walk learning & spreading the message.



- So far two field visits has been made to make a local management plan interacting with the local people, namely the Taranad Mund & Konavakarai wetlands.
- Wetland (aquatic) plant inventory has been completed for all the wetlands.
- All biological, physical parameters has been recorded. The anthropogenic pressures (threat status) to the wetlands also recorded.
- Water quality tests were conducted for 14 wetlands out of all wetlands surveyed.
- All Wetland data has been consolidated & put into GIS for taking better decision & selecting wetlands for better management.
- All wetlands surveyed using GPS & perimeters has been generated to make maps & know their size pattern in terms of areas

Work ahead.....

- Preparation of local Management Plan for the selected wetlands is underway.
- Workshop with Stakeholders and decision Makers to be held on September 15, 2006.
- Wetland prototype in campus yet to develop?
- Posters are being prepared & will be distributed to local people, Schools,
 NGOs, Private organizations & Government after the workshop.

Water test for Wetlands

Permissible limits pH Temp(°C) RChi(mg/l) Turb Chloride Fluor Phospiron Hard Ammoni Colif Remark												
Permissible limits	рН	Temp(°C)	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAME			Fluor	Phosp					Kemark
Drinking water	6.5-8.5	10	0.2	5-10	250-1000	1		0.3	00-60	1.5	Nil	
Irrigation water	4.5-9.0											
Fresh water (aquatic)	6.5-9.0		0.01					1		0.02		
Marine water (aquatic	6.5-8.5		0.01					1				
Raliah	7.3	15	0.2	10	212.7	0.6	0.1	1	40			soft water, low fluoride content
Bergani (spring 2)	5	18	<0.2	10		0.6	0.1	1	80	1		medium water,low fluoride content
Bergani (individual we	6.2	20	<0.2	10		0.6	0.1	3	80			medium water,low fluoride content
Nedugula	6.4	21	<0.2	10		0.6	0.1	3	40			soft water,low fluoride content
Thalaikunda Well 1	5.8	20	<0.2	25	no color d	0.6	0.15	1	40			soft water,low fluoride content
Thalaikunda Well 2 Di	5.9	20	<0.2	10	no color d	0.6	0.1	3	400			very hard water,low fluoride content
Denad temple well	6.3	20	<0.2	25	886.25	<.6	1	3	40			soft water, low fluoride content, high iron
Denad drinking water	6.5	18	<0.2	10	886.25	0.6	<1.0	1	40	<1.0	Yes	soft water,low fluoride content
Denad naduhatty	6.5	17	<0.2	10	886.25	0.6	<1.0	0.3	40			soft water,low fluoride content
Cliffy	6.9	17	0.2	25	354.5	0.6	<0.1	1	40	0.1	Yes	soft water,low fluoride content
Lovedale	6	20	0.2	25	886.25	0.6	0.1	3	40	<0.1		soft water,low fluoride content
Longwood shola	6.2	18.5	<0.2	25	531.75	0.6	0.1	3	40	1		soft water,low fluoride content
Halakarai	6.1	19	<0.2	10	886.25	0.6	0.1	1	40	no colour	char	soft water,low fluoride content
Manvyal	8	24	0.2	10	67.355	1.5	0.2	0.3	120	1		

Inventory of Wetland Vegetation

Hyperlink....

A Glance at the budget

- Budget allocation & expenses for three months starting April – June 2006.
- Allocation 610,000
- Expenses 493416.50
- Balance 116,583.50