

Springshed Management Training Curriculum

2016

The Springs Initiative



SESSION TITLE:

Case Study - Happy Valley, Keystone Foundation

SECTION: Application of Knowledge

MODULE: Synthesis & Case Studies

AUTHORS: Keystone Foundation

CONTRIBUTING ORGANIZATIONS: Keystone Foundation

PURPOSE: An example of ecological restoration in a wetlands in Niligris

IMPACT: Participants will better understand potential impacts of spring restoration

TIME REQUIRED: 30 minutes

MATERIALS: This ppt

ADDITIONAL RESOURCES:



ECORESTORATION OF HAPPY VALLEY SPRINGSHED IN KOTAGIRI, THE NILGIRIS

Keystone Foundation

Location of Happy valley

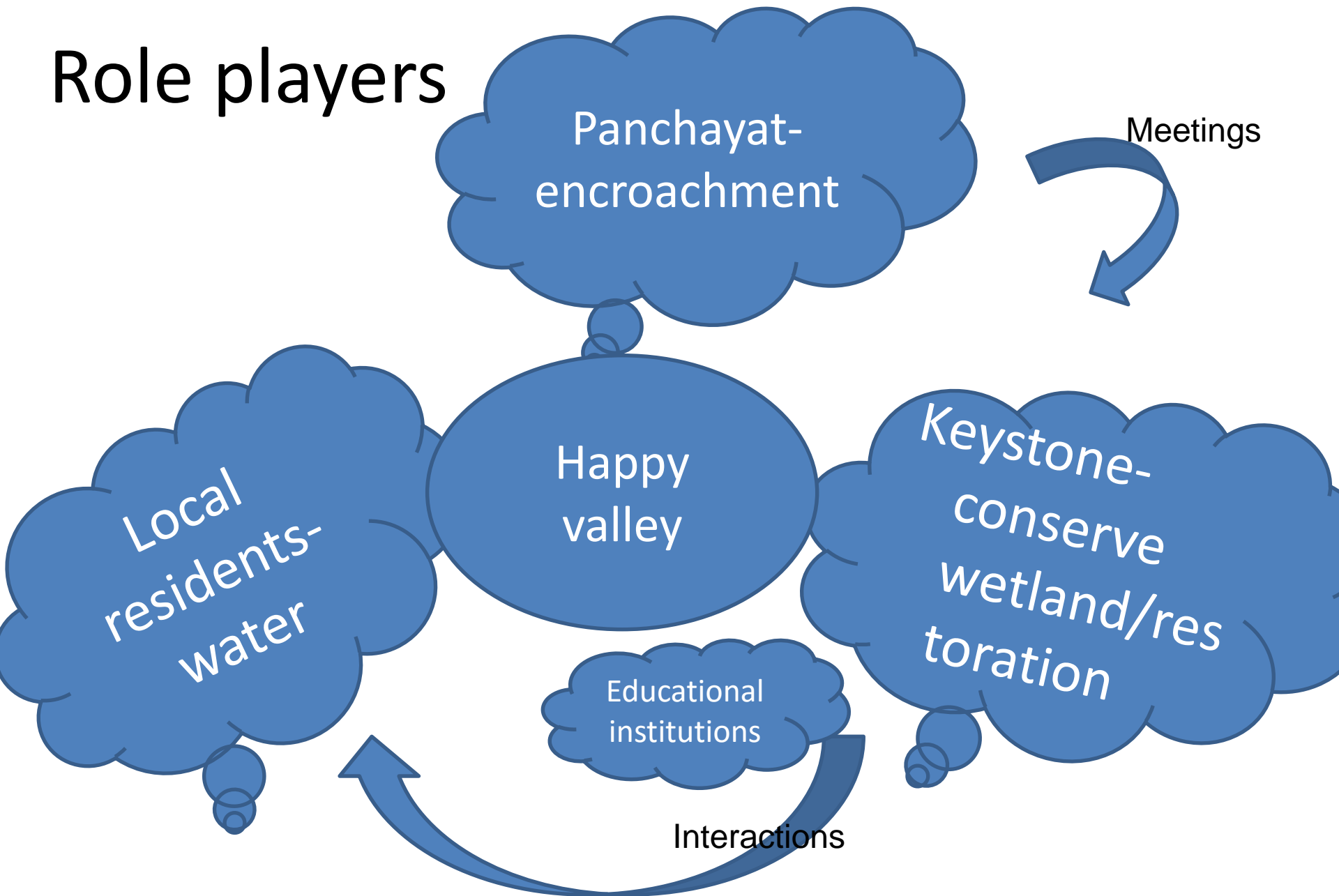


Situation in 2006

- Located at the outskirts of Kotagiri village near the KMF hospital.
- Panchayat land – 1 acre
- Prime source of water for the households living downstream and the hills surrounding it.
- The source of the wetland is a spring which runs off as a small stream.
- A part of the catchment area has been fenced. However, fencing has been violated in parts has become a central dumping yard and a centre for attending nature's call.
- Vegetation:-
 - Shrubs like *Lantana sp.*, *Eupatorium sp.*, *Cestrum sp.*, *Solanum sp.*, *Ricinus sp.* and *Pteris sp.* - Colonisers.
 - Along the course of the stream *Polygonum sp.* *Cyathea spp.* were found.
 - The agriculture belt had *Rumex sp.* and *Plantago sp.*
- Tea with silver oak plantation is seen in the upland portion of the wetland.



Role players



Activities

- A walk through the wetland with school students
- Garbage was also collected during the walk
- Discussions with local experts and elders revealed that the area was once a shola forest.
- As part of the restoration initiative, a nursery on Shola and wetland plants was developed in the campus. The saplings were planted in the plot.
- Toilets constructed for families using the catchment for open defecation





WETLAND-SHOLA RESTORATION PROJECT சதுப்பு நிலம்-சோலைவனம் புனரமைப்பு திட்டம்

UNDERTAKEN BY:

KOTAGIRI PANCHAYAT , CITIZENS & KEYSTONE FOUNDATION.

திட்டம் ஏற்போர் :

கொத்தகிரி சதுப்பு சிற்றூராட்சி, பொதுமக்கள், கீஸ்டோன் பவுண்டேஷன்.

JUNE 2006.

ஜூன் 2006





HAPPY VALLEY RESTORATION PROJECT

The Happy Valley wetland is a prime source of water for more than a thousand households living downstream and the life-sustaining it in 2008, Kachana Foundation took on the restoration of the

Some of the wetland, following an extraordinary effort on the part of

from Panchayat. Since then the site has been restored and

fundamental to the wetland's life. The site, operating over 20 years, is home to more than 500 native birds, insects and

Wildlife. It has been observed that the wetland quality and quality has improved considerably since the restoration activity

It is therefore important for us to ensure the permanent source of water. The active participation of the Community towards the cause is

KACHANA FOUNDATION KACHANA FOUNDATION

	2006	2015
Native plant species	5	>26
Invasive species	6	3
Birdlife	2	10
Mammals	0	3
Wells	15	>30
Water level	Less in summer	Adequate in summer

- *Trees: Ligustrum perrottetii, Syzygium sp. Elaeocarpus variabilis, Turpinia nepalensis, Daphniphyllum neilgherrense*
- Liana: *Elaeagnus kologa*
- Total planted – 600; Survived - 487