



# Conserving Mt Malarayat Watershed and Taal Volcano Protected Landscape (TVPL)

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# Pusod Conservation Projects



Malarayat Watershed  
Conservation Project



TVPL Management Plan  
Implementation

# Biodiversity Assessment

Flora and Faunal Component	Total Number of Species Observed	No. of Endemic Species
<b>Plants</b>	122	23
<b>Herps</b>	35	24
<b>Mammals</b>	16	6
<b>Birds</b>	63	27



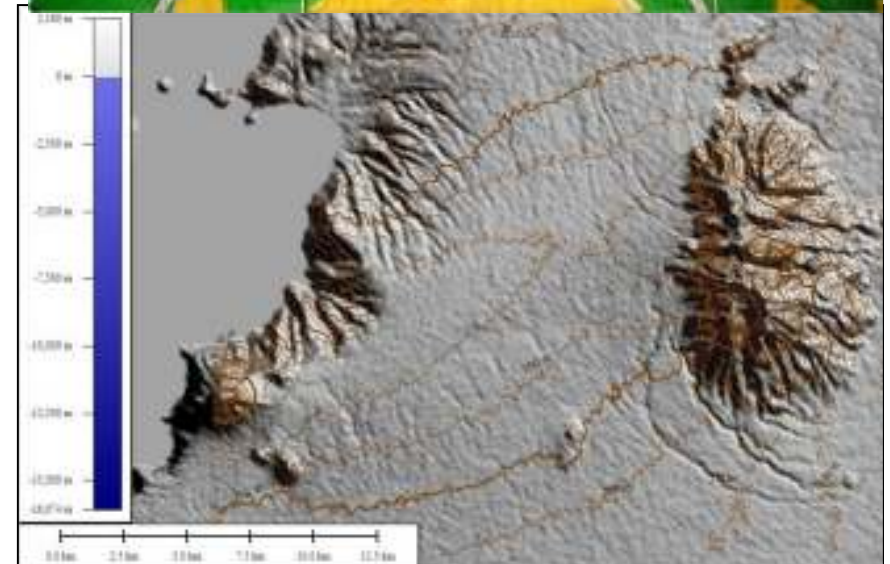
# Hydrologic Assessment



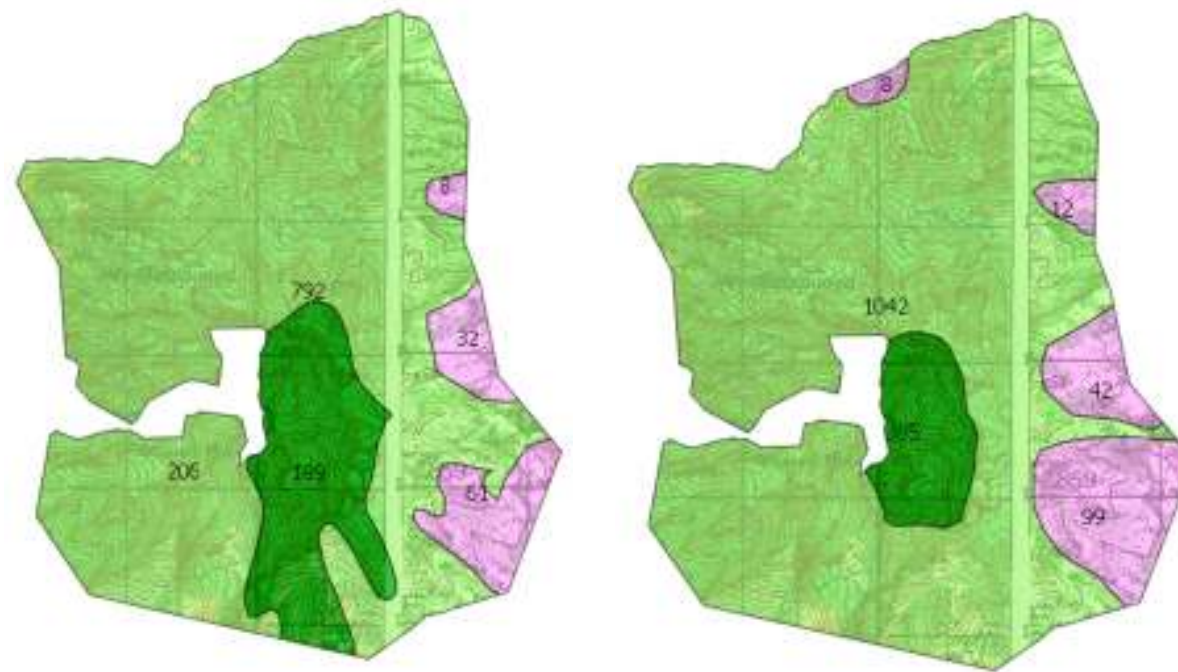


# Delineation and Mapping of Mt Malarayat Forest Reserve

135 owners and claimants to the lots of Mt Malarayat Forest Reserve



# Risk and Vulnerability Study



Legend:

- Closed Forest, Broadleaved
- Other land, cultivated, annual crop
- Open Forest, Broadleaved

DENR 1935 Forest Cover (ha)

Estimated 2011 Forest Cover (ha)

Figure 3. Delineated Forest Cover from DENR and Participatory Mapping

# Malarayat Native Trees Production



50,000 native  
seedlings needed to  
reforest the 30has.  
of grassland areas

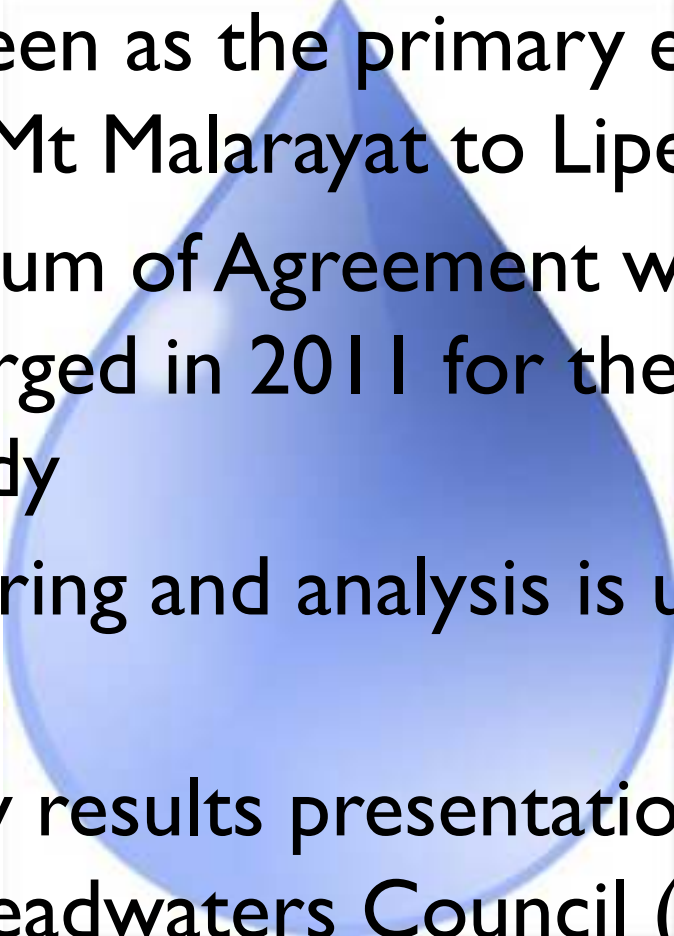
One of the planting  
sites for NGP in the  
Province of Batangas







# Water Pricing Study for PES

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- Water is seen as the primary ecosystem service of Mt Malarayat to Lipenos
  - Memorandum of Agreement with DENR – ERDB forged in 2011 for the water pricing study
  - Data gathering and analysis is undertaken by ERDB
  - Preliminary results presentation before the Lipa Headwaters Council (LHWC) this April



# TAAAL VOLCANO PROTECTED LANDSCAPE – MANAGEMENT PLAN IMPLEMENTATION



# TVPL Management Plan



- Approved in November 2009 by the TVPL – PAMB
- composed of 13 chapters
- 13 municipalities and 3 cities







# TVPL Management Plan Implementation

- Terrestrial and Watershed Component (Chapter 4)
- Water Quality and Health of the Lake (Chapter 2)
- Aquatic Living Resources (Chapter 3)
- Recreation and Cultural Resources (Chapter 5)
- Policy and Institutional Strengthening (Chapter 9 and EGov)





## Kayak Taal 2010 Paddle for Watersheds!

- Delineation and mapping of remaining public forests in TVPL
- Publication of TVPL Management Plan with the assistance of the Foundation for Philippine Environment
- TVPL – PAMB cross visit to Twin Lakes in Negros Oriental
- Real Estate Developers Meeting for Private Forest Reserve



## GLOBE Adventure Taal for Clean Water

- E Governance Project
- 3 TVPL Portals
- Bridge Community Sim Cards
- 3 TVPL Portals
- Water Quality Trainings



# Acknowledgement

- Philippine Tropical Forest Conservation Foundation (PTFCF)
- UPS Foundation
- Foundation for Philippine Environment (FPE)
- Team Energy Foundation
- Splendido Taal Golf and Country Club
- Taal Vista
- Globe Telecom
- Shell Malampaya Foundation
- Provincial and Local Government Units of Batangas



# Malarayat and TVPL Conservation Videos

- [http://www.pusod.org/projects\\_malarayat.html](http://www.pusod.org/projects_malarayat.html)
- <http://www.youtube.com/watch?v=Y6IjCCXWCUM>





## Next Steps

- **MALARAYAT**
  - PES scheme establishment
  - Expansion in the Malarayat Mountain Range efforts
- **TVPL**
  - (NAME SPONSOR) 2012 Adventure Taal
  - Integrated Protected Area Fund (IPAF) Operationalization



THANK  
YOU!