

**VETIVER SYSTEM
FOR ENVIRONMENTAL PROTECTION
AND LANDSCAPING IN AUSTRALIA
AND AROUND THE WORLD**

Paul Truong, Jayne Hedrick** and Gary Searle***

**Veticon Consulting, Brisbane, Australia*

*** Delfin Lendlease, Brisbane, Australia.*

SOME IMPORTANT FEATURES OF VETIVER GRASS

When planted close together, vetiver forms a thick barrier



Massive, deep root system



VETIVER FLOWERS

- **Vetiver flowers but it set no seeds**
- **It flowers once a year at the end of summer**
- **Flowers can be used for fresh or dry flower arrangement**





**LANDSCAPING
AND
POLLUTION CONTROL
IN AUSTRALIA**

Vetiver was planted here for both pollution control and beautification





TEN MONTHS AFTER PLANTING

3 3 2005



TEN MONTHS AFTER PLANTING

3 3 2005



**ONE YEAR AFTER PLANTING
AND FLOWERING**

8 6 2005



**ONE YEAR AFTER PLANTING
AND FLOWERING**

0 6 2005



Two YEAR AFTER PLANTING

Note muddy and polluted water



Two years after planting, cleaner water







Planted among rocks

28 1 2005

Two years after planting, cleaner water

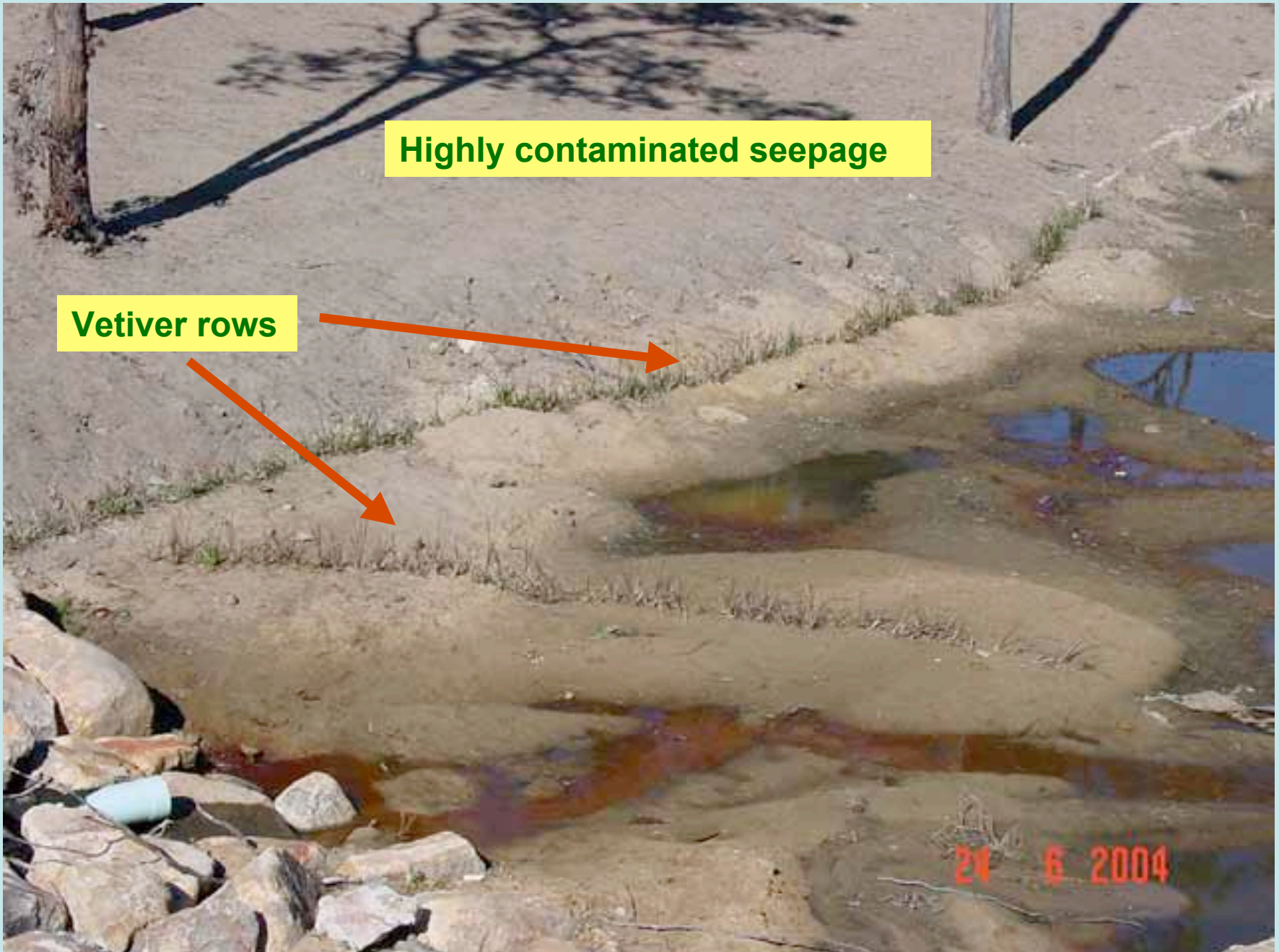


Planted on lake banks for landscaping purpose only





Planted on drain for erosion control and water quality improvement



Nine months after planting



Improved water quality

3 3 2005



Sediment trapped

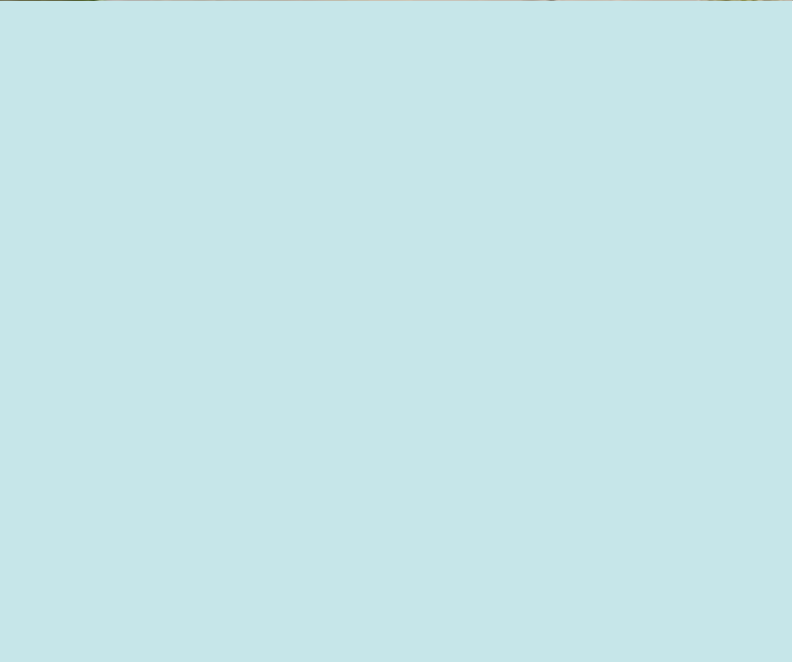
3 3 2005



25 4 2005



Park entrance at Woodland





Planted on drain for erosion control and water quality improvement



Planted on drain for erosion control and water quality improvement



**STEEP SLOPE STABILISATION
POLLUTION CONTROL
AND
LANDSCAPING IN QUEENSLAND
AUSTRALIA**

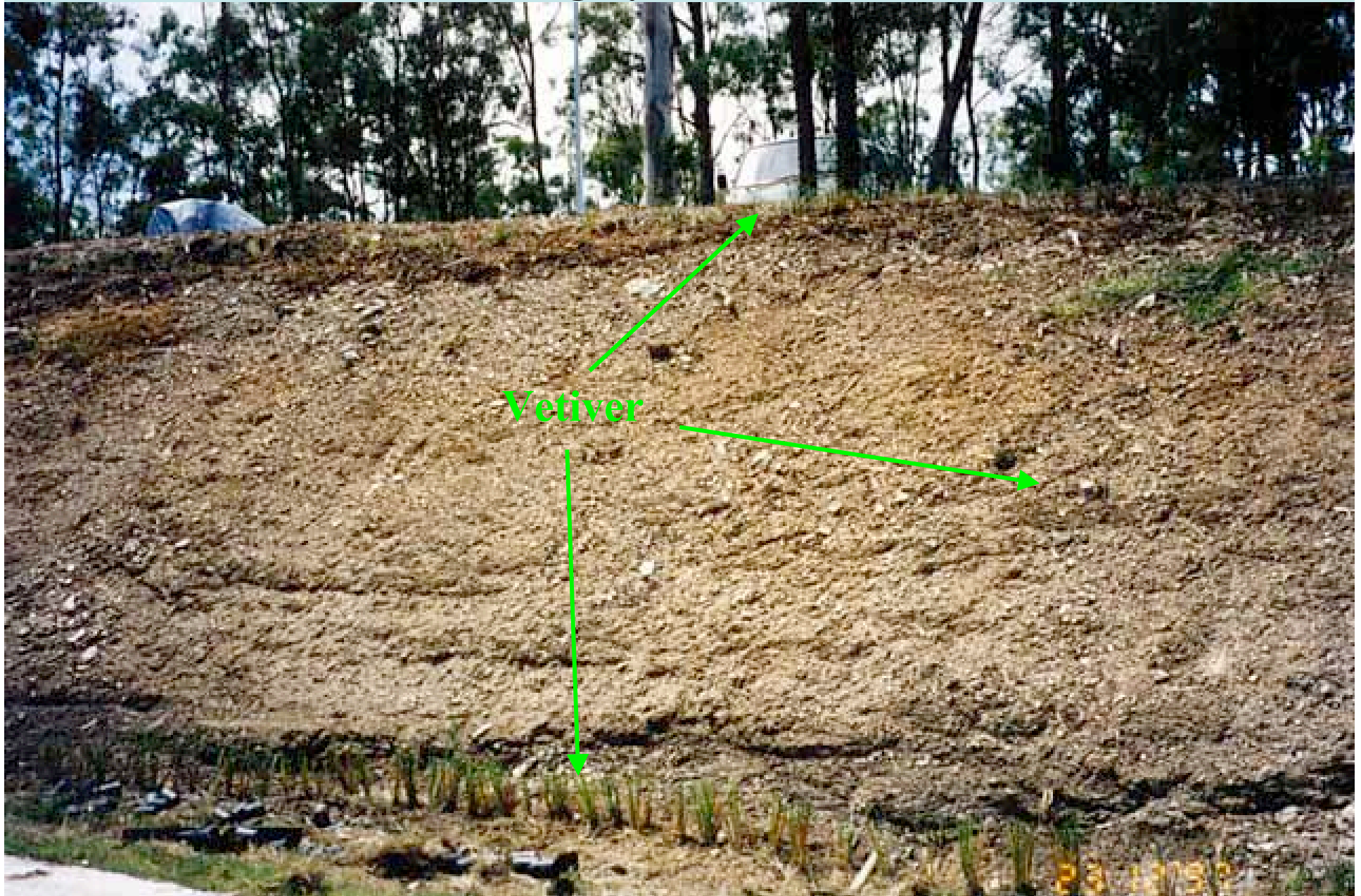
Landfill dump stabilisation







This 1.5:1 batter is made up of rock, gravel and clay which are highly erodible.



General view of the batter 13 months after vetiver planting, note the return of local plants



Two and half years after vetiver planting, note the establishment of volunteer Acacia and Eucalyptus between vetiver hedges



Vetiver hedges for erosion, sediment and runoff control can be incorporated as an integral component of general landscaping,



Planted on dam wall for wall stabilisation and landscaping







LANDSCAPING IN CHINA

PC: D. Grimshaw







Cut flowers

LANDSCAPING IN ETHIOPIA

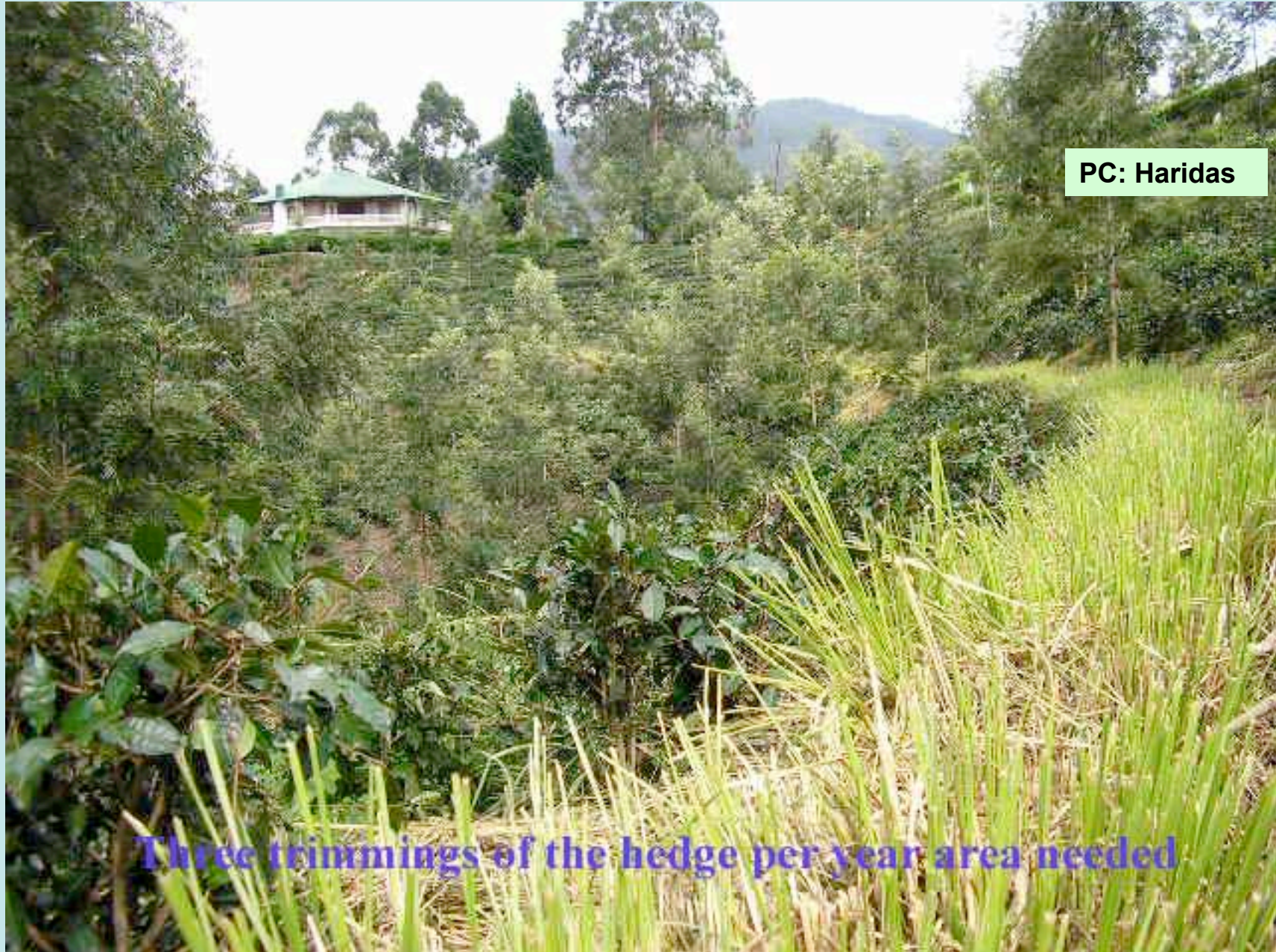


PC: D. Grimshaw



PC: D. Grimshaw

LANDSCAPING IN INDIA

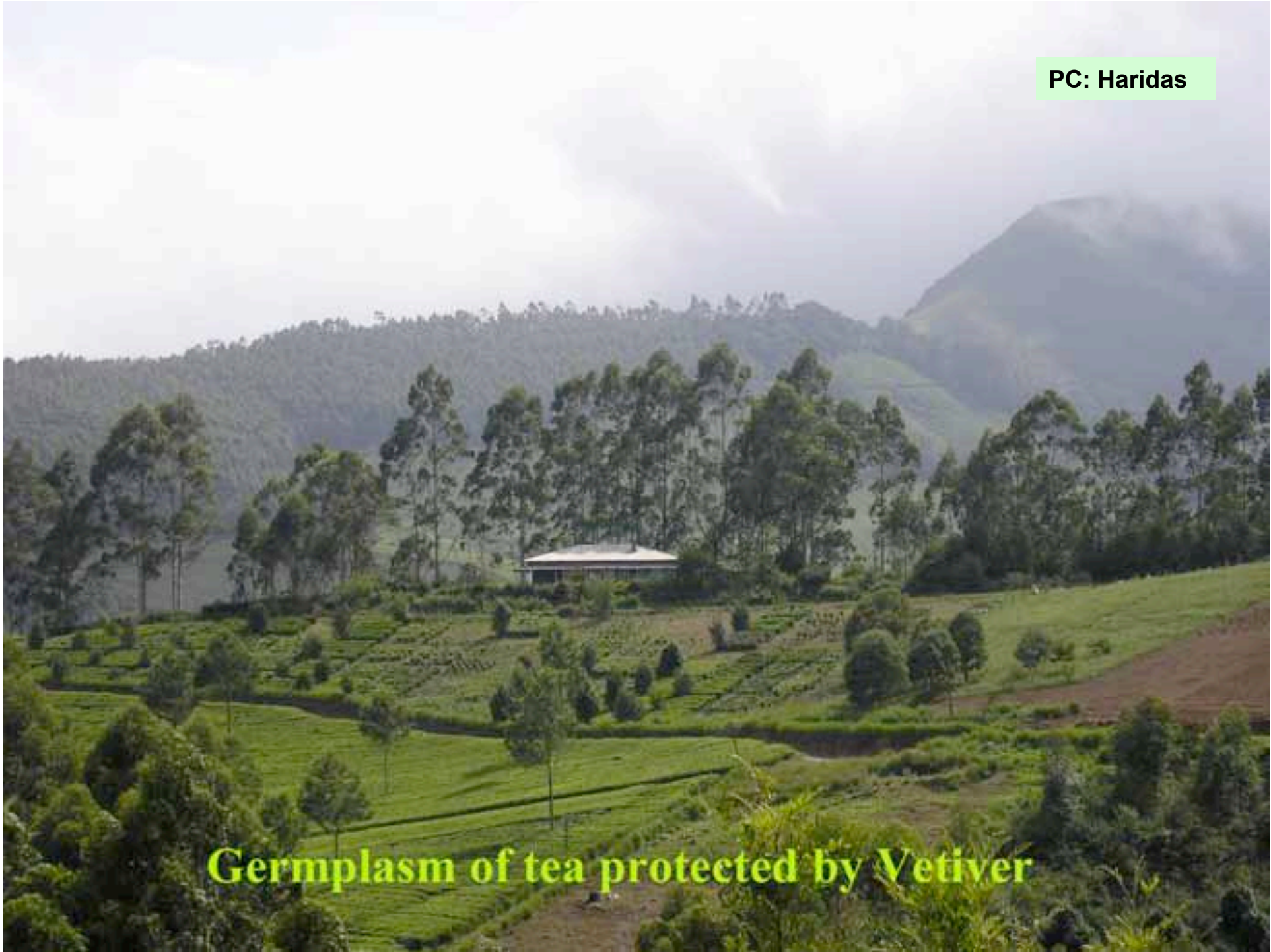


PC: Haridas

Three trimmings of the hedge per year area needed

PC: Haridas

Germplasm of tea protected by Vetiver



LANDSCAPING IN INDONESIA

PC: D. Booth





PC: D. Booth

PC: D. Booth



PC: D. Booth



PC: D. Booth



LANDSCAPING IN PHILLIPINES



LANDSCAPING IN PORTUGAL

PC: M. Pease



Vetiver and lavender on traffic island

PC: M. Pease

Lavender



Vetiver and lavender on traffic island

PC: M. Pease



Lavender

LANDSCAPING IN SENEGAL

Beach Stabilisation Landscaping at a Beach Resort, DAKAR



PC: A. Sy

2003 5 10



PC: A. Sy

2003 5 11



PC: A. Sy

LANDSCAPING IN SOUTH AFRICA





2013

LANDSCAPING IN THAILAND



Vetiver hedges

LANDSCAPING IN VIETNAM





Lotus pond edging

