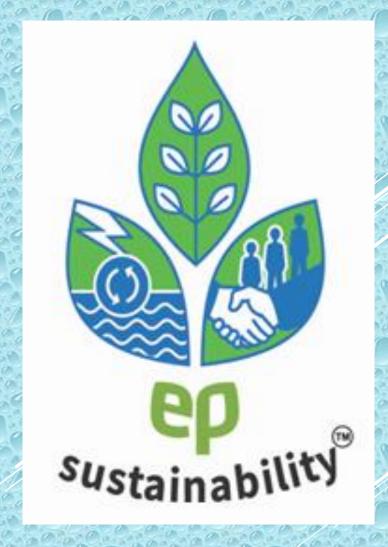
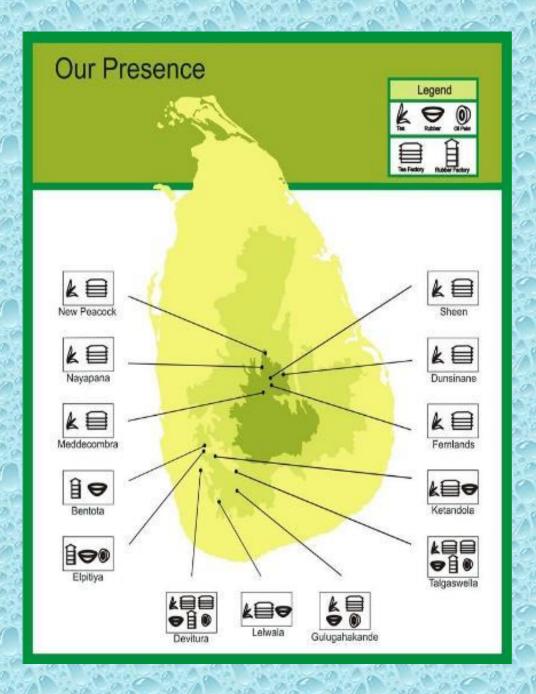
HARVESTING, RECHARGING AND WATER CONSERVATION

Elpitiya Plantations PLC

Presented by-Mr. M.I Izzadeen
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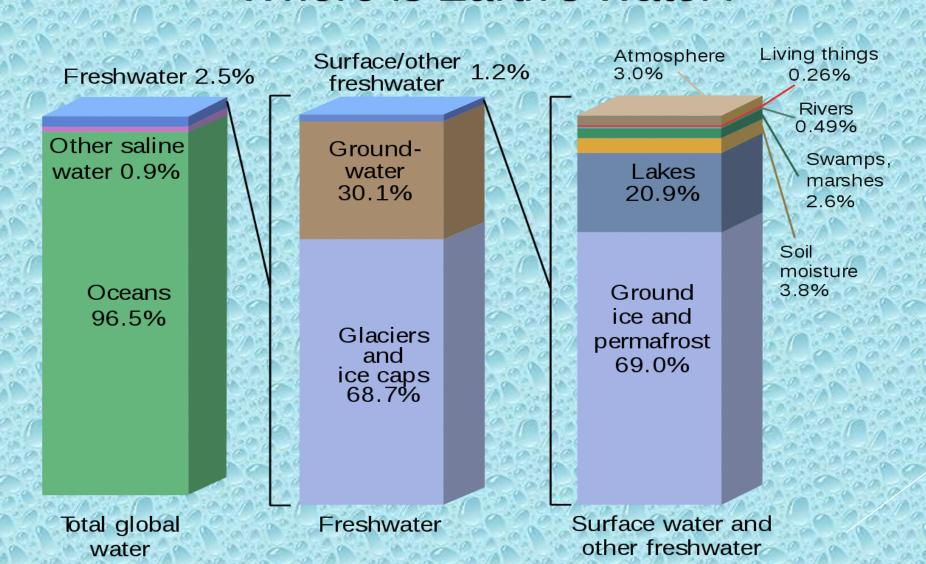


13, Estates in Up, Mid and Low Country regions in all three elevations with Tea, Rubber, Palm oil, Coconut, Cinnamon, Coffee, Berries. Fruit crops

- ☐ Land Extent approx. 8,800 ha
- ☐ Total workforce 6,003
- ☐ Total population 34,245

Only source of water to earth is from rain

Where is Earth's Water?



>We focus on!

▶ Rainfall pattern

- Number of wet days
- Density of rainfall

> Improvement of soil texture

Good agricultural practices (GAP)

Water retention

Draining and composting, mulching

Water conservation

- Rainwater harvesting
- Protecting ground water resources
- Reduce the waste
- Optimizing water efficiency
- Forestation
- Awareness for community on water conservation





G CLEAN WATER AND SANITATION

OUR TARGETS....



65 ponds – harvesting over 180 million liters
Irrigate 25% of land extent with RW
05% of land extent develop as water shed
Restoration of stream reservation by planting
native plants and connecting animal
corridoes to improve biodiversity.
Increase soil carbon level over 03%
Portable water to all estate households
Educate estate community on preventing
water pollution and conservation of water.

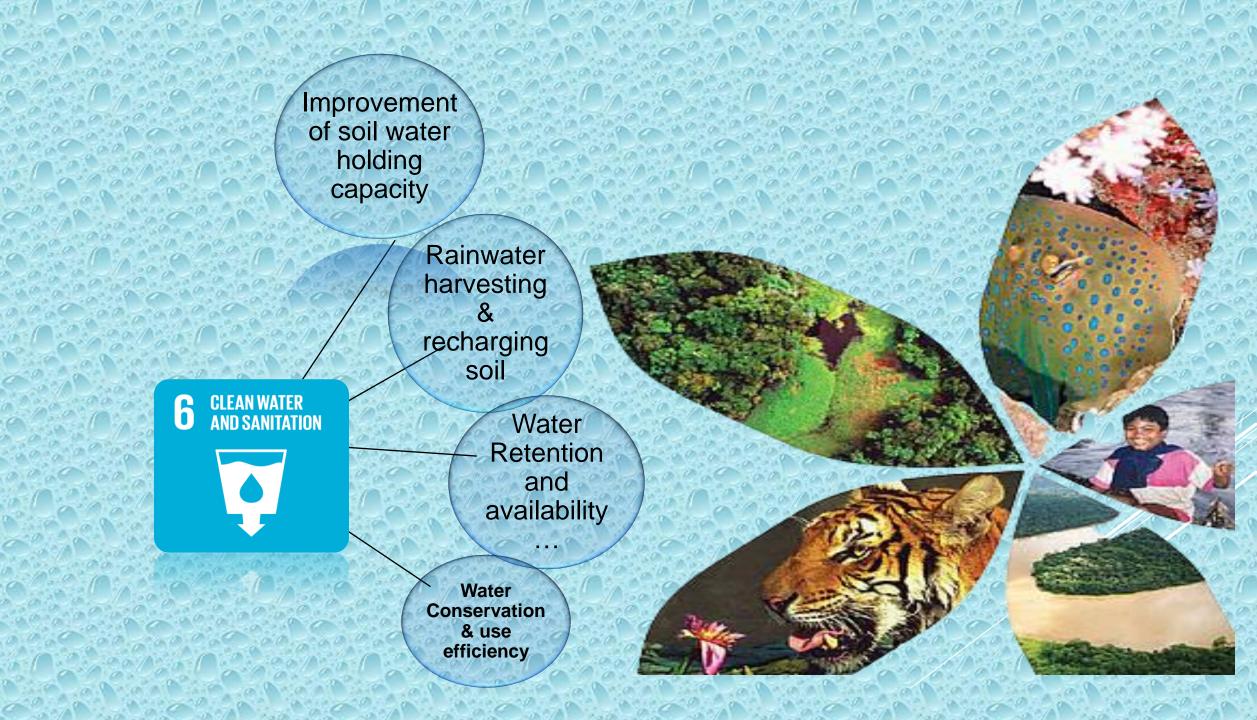
OUR ACHIEVEMENTS ..

Target	Achieved
65 ponds (180 million liters of water)	77 ponds 254,107,870 L per harvest
Irrigate 25% of land extent with RW	Oil Palm 50Ha
5% of land extent as water shed	1% development
166-hectare land extent identified as stream reservation connecting animal corridoes	20% extent developed
Increase soil carbon level over 03%	2.75%
Portable water to all estate households	64%
Educate estate community on preventing water pollution and conservation,	

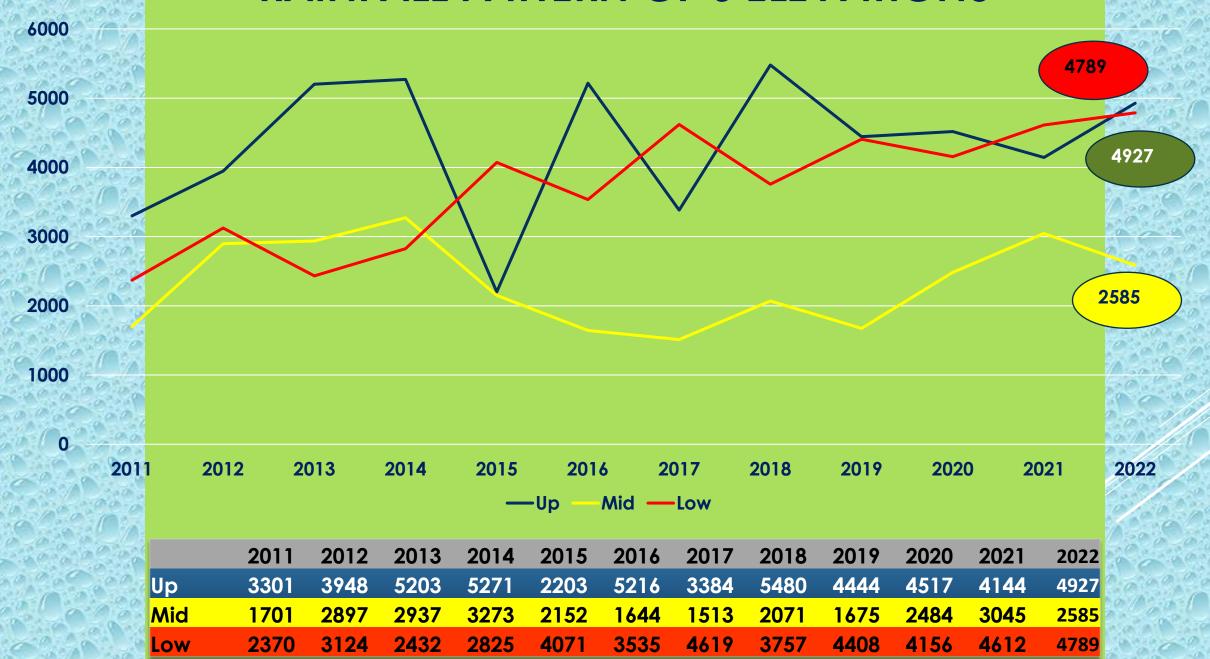








RAINFALL PATTERN OF 3 ELEVATIONS



WET DAYS PATTERN – FOR 3 ELEVATIONS → Up → Mid → Low Up Mid Low



Rainwater Harvesting, Drip Irrigation and Soil Enrichmen



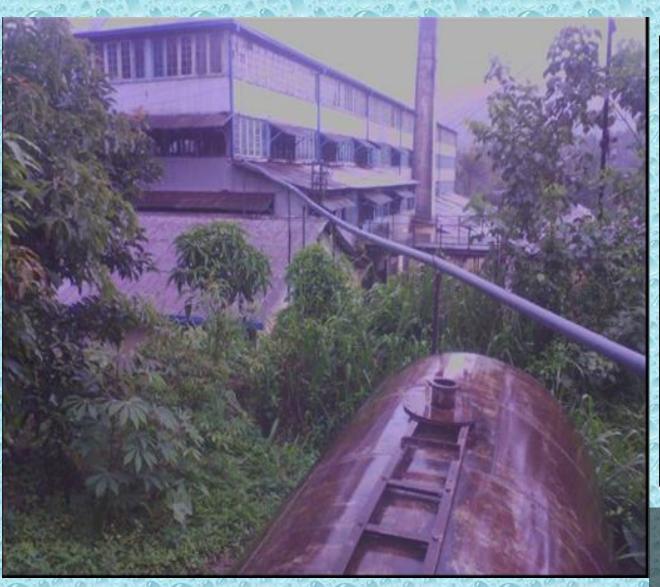








Ponds - 77 Capacity — 254 Mn Ltrs





Roof rainwater harvesting at Meddecombra tea factory

Rainwater collecting pond









Increase soil carbon will increase soil water holding







Collection of rainwater in tea fields with contour daring system







Conserving soil moisture with mulching and planting cover





Planting native plants in stream reservation/ boundaries

WE GROW AND CARE FOR FEATURE

RESTORING STREAM RESERVATIONS AND CONNECTING ANIMAL CORRIDOES







Rewards for our Sustaibility efforts!





ер elpitiya

Elpitiya Plantations

Authen Spence Plantations

Save water+ save plants +save planet = save Life

