WATER STEWARDSHIP AGENDA 2018 - 2020 PERKS OF CLAY DYKE



INNOVATIVE WATER RETENTION METHOD peat is replaced with clay at 5 meter depth to avoid surface and subsurface water seepages.



HIGH WATER TABLE increases natural forestation that supports biodiversity and wildlife habitat.

SUSTAINS LONG TERM WATER SUPPLY by supporting Sungai Selangor Water Supply Scheme that provides water to more than 60% Klang Valley users.

EFFECTIVE FIRE PREVENTION METHOD especially during dry season due to increased accessibility and moisture on land.

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WATER STEWARDSHIP AGENDA 2018 – 2020 SUCCESSFUL IMPLEMENTATION OF CLAY DYKE

Demonstration of the clay dyke at Perbadanan Kemajuan Pertanian Selangor (PKPS) clay mining site, 50 m away from the Raja Musa Forest Reserve (RMFR) boundary. Clay dyke is excavated through peat to the clay layer below. The 600m trenches were filled with clay and compacted.



This approach stopped the water outflow from adjacent clay mines, and raise the water level in peat soils thereby allowing plants to recover and promote natural regeneration, in addition to reducing fire risks.













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15 LIFE ON LAND 17 PARTNERSHIPS FOR THE GOALS

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WATER STEWARDSHIP AGENDA 2018 – 2020 CLAY DYKE PROJECT BY SPARK FOUNDATION, GLOBAL ENVIRONMENT CENTRE & SELANGOR STATE FORESTRY DEPARTMENT





PROVEN APPROACH

to retain water in peatland, thus, sustaining the long term water accessibility and availability at this basin



KEY WATER SOURCE

for Sungai Selangor Water Supply Scheme that provides water to more than 60% of Klang Valley users.



WATER FOR ALL

Restoration of the peatland will sustain long-term water availability especially during extreme weather conditions.

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