

RIVER OF LIFE



PUBLIC OUTREACH PROGRAMME

The River of Life project is to generate evidential improvement in attitudes and behaviours of target groups within the Project Area towards river care and preservation in order to improve water quality and reduce pollution.

KLANG RIVER FACTS

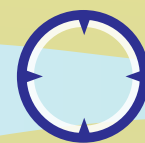
- Originates from Ulu Gombak Forest Reserve.
- 4th biggest river basin in Selangor.
- About 120km length and connect by 13 major tributaries.
The total catchment area = 1,288 km².
- Encompassing of Federal Territory of Kuala Lumpur and Selangor (Shah Alam, Petaling Jaya, Klang, Subang Jaya and Ampang Jaya).
- It is also an important water intake for water supply to these territories.



IN PARTNERSHIP WITH



PEMANDU
PERFORMANCE MANAGEMENT AND DELIVERY UNIT



MEANDERS: NATURAL FLOOD MITIGATORS

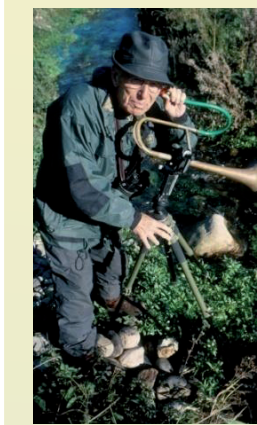


Meanders are important features of a river and are products of obstructions in the land, such as trees, boulders or firm land, which causes the river to bend and find another path.

The river begins to hit against the banks until it erodes and forms a curve. Meanders help to control the flow of water in the river. When it rains and the water level rises, meanders help to reduce the velocity of water and therefore reduce the risk of flood. It provides enough retention time for water cleansing or purification.



MICRO-HABITATS



Riffles and pools are essential in any river ecosystem. Riffles are areas of fast flowing water where rocks and pebbles cause the water to flow above, around and under them, and in the process oxygenates the water. This also produces sound which becomes the voice of the stream and cleans substrates which are then colonized by bacteria and macro-invertebrates.

The presence of riffles cause pools to be formed and these are areas of slow flow. Living organisms in rivers are dependent on these different areas for their own needs, and without different velocity gradients, the diversity of organisms will be greatly reduced.

LIVING ENTITIES



There are living things that depend on the river for survival, both in the water and on the land the river supports. The narrow area along a river is called the riparian corridor. This area supports a variety of plants and trees that contribute nutrients, shade, soil stability, habitat, and organic materials for small organisms to stay and breed. Rivers contain living things inside, such as aquatic plants, fish, crustaceans, and mollusks, and also supports insects and mammals which utilize the river for many purposes.

As such, rivers provide a great variety of habitats and services for all living things and it is important to maintain both physical and biological diversity in and around rivers.



RIVER & ITS BASIN

A river is a natural waterway on the Earth's surface, which channels freshwater from the mountains to the sea. A river basin is the entire area drained by a river including its tributaries and drains.

That means, all water in the river basin area drains into the river and its tributaries. Therefore, the flow of water sets the boundaries of a river basin. They are also synonymously known as "catchments" or "watersheds".

COMMON POLLUTION SOURCES

A number of common pollution sources which flow into Klang River were identified.

RESIDENTIAL



COMMERCIAL / BUSINESS



INDUSTRIAL / DEVELOPER



IT MAY BE A SMALL MATTER NOW
BUT IT WILL BE TOO LATE
WHEN IT BECOMES A CRITICAL PROBLEM

RIVER CARE, WE CARE

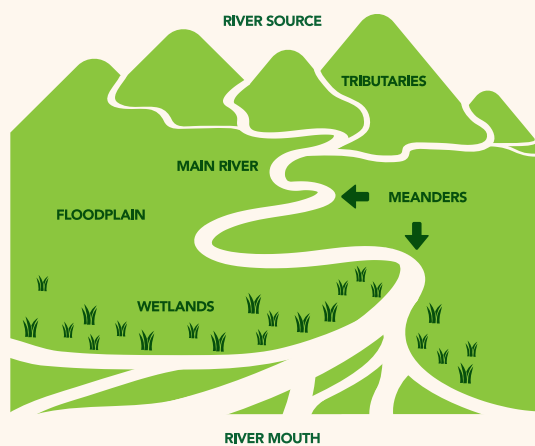
WHAT CAN WE DO TO FIX THESE PROBLEMS?

KNOW YOUR RIVER ADDRESS

WHY?

Everyone is a part of a river basin; either by living beside a river or their livelihood affects / affected by a river.

Drains are also a part of the river basin because the water leads to a river.



HOW?

Contact your local authority with information of the closes river to your house.

LOCATION

SJK (T) TAMAN MELAWATI

DRAIN 1

JALAN TAMAN MELAWATI

DRAIN 2

JALAN MELAWATI 5

RIVER

KLANG RIVER

SEA

STRAIT OF MALACCA

RESTAURANT & FOOD STALLS



LEARN AND IDENTIFY
the types of pollution and establish an efficient waste management to reduce impact on river and save operational cost



INSTALL A GREASE TRAP
Helps stop oil and grease from going into the drain (which leads to the river), just needs regular maintenance



WASTE SEGREGATION
Divide waste into dry (wood related products, metals and glass) and wet (organic waste) for easy recycling / compost / others



IMPLEMENT BEST MANAGEMENT PRACTICE
Reduce environmental impact and ecological / carbon footprint

INFORMATION SHARING



REPORT
Found any pollution and/or the polluter, report to the authorities



SHARE INFORMATION
Online sharing with the public on the condition of the river and what has been done:
www.riverranger.my
www.myrol.my
www.facebook.com/myrolpop

SCHOOL AND COMMUNITY



RIVER RANGER & SMART RANGER

Be the eyes and ears for Klang River: look out for any signs of pollution and make a report when found



COMPOSTING & GARBAGE ENZYME

Reduce food waste sent to the landfill by turning them into natural fertilizer or for cleaning purposes



PRACTICE 4R2C

Rethink, Reduce, Reuse, Recycle, Compost and Close the loop



RAINWATER HARVESTING

Reduce dam water decline, conserve surface water runoff during monsoon season



UPCYCLE USED COOKING OIL

Turn them into soap and candle instead of pouring them down the drain



RIVER ADOPTION

Adopt a section of a river or drain to ensure its long-term health through annual cleanups

INDUSTRIAL AND BUSINESS



BEST MANAGEMENT PRACTICE

Establish waste segregation to help recycle and reduce waste



RECYCLING CENTERS

Establish waste segregation to help recycle and reduce waste



RAINWATER HARVESTING

Reduce dam water decline, conserve surface water runoff during monsoon season

BE A LOCAL CHAMPION AND CELEBRATE WORLD RIVERS DAY

LAST SUNDAY OF SEPTEMBER

MY DRAIN DAY

ORGANISE YOUR OWN EVENT ANYTIME, ANYDAY
TO CLEAN YOUR DRAIN TO ENSURE NO STAGNANT WATER FOR MOSQUITO BREEDING
AND NO FLOODING DUE TO DRAIN BLOCKAGE