

River Health of Penchala River Basin

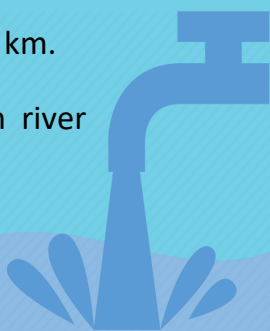
WATER PROJECT

SPARK FOUNDATION

Global Environment Centre

PENCHALA RIVER FACT !!!

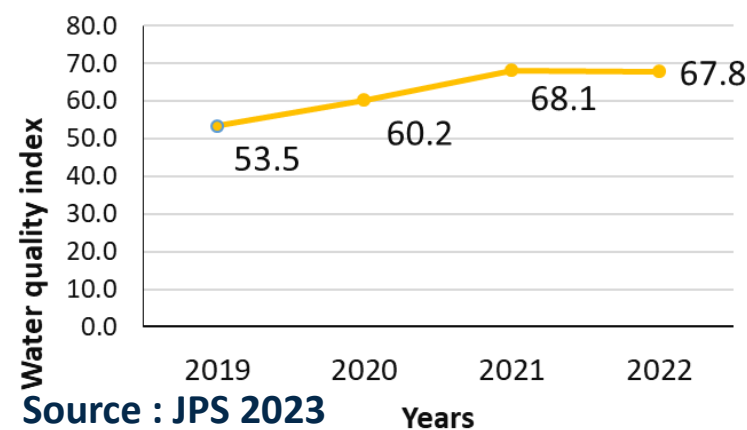
- Penchala River is one of the tributaries of Klang River.
- The length of Penchala River is approximately 14 km.
- It has a tributary called Sungai Way -- a 2-km river joining at Desa Mentari, Petaling Jaya.



WATER QUALITY TREND OF PENCHALA RIVER

Average Water quality for Penchala River is **CLASS III** (Slightly polluted)

AVERAGE WATER QUALITY OF SG PENCHALA



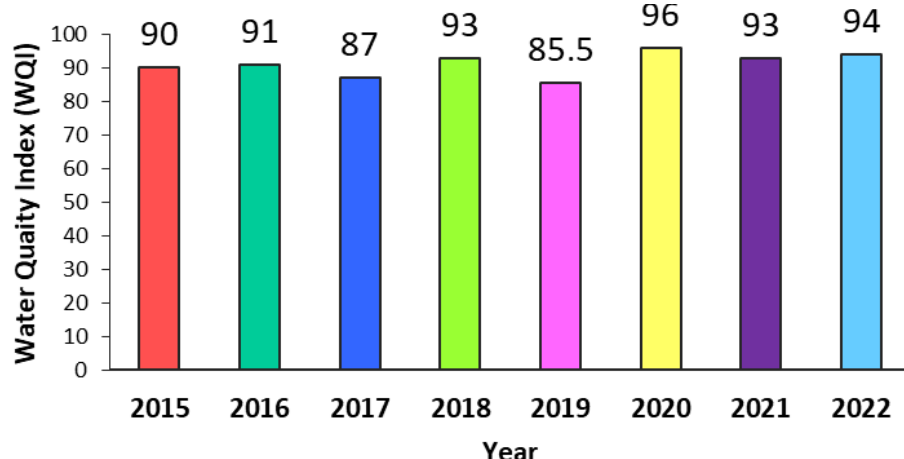
WATER QUALITY TREND FOR SOURCE OF PENCHALA RIVER

You can find the source of Penchala River at Bukit Kiara Federal Park !!!



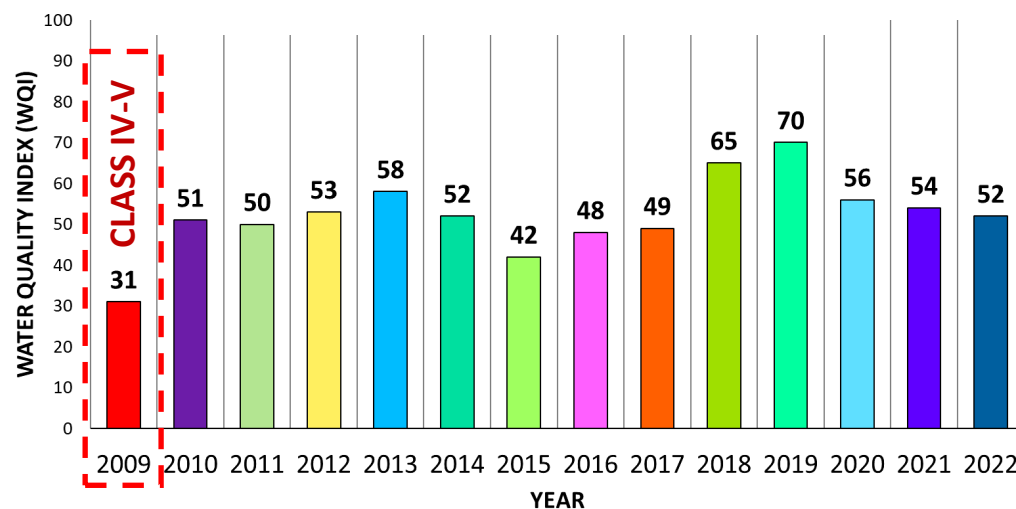
Water quality for Source of Penchala River is **CLASS I** (Clean water)

AVERAGE WATER QUALITY OF SG PENCHALA SOURCE



WATER QUALITY TREND OF SG WAY RIVER

AVERAGE WATER QUALITY OF SG WAY



The water quality for Sg Way improved from Class IV-V (year 2009) to Class III (year 2010) after introduction of river within river concept.



Wetland islands are established within Sg Way as nature-based solutions for pollution control as well as improvement of biological

Before wetland island introduced



After wetland island introduced

After

Cyperus alternifolius
(wetland plant)



Benthic Macroinvertebrates in Source of Penchala River



What we can find in Upstream of Penchala River ??

Benthic macroinvertebrates used as biological indicator for river health.



River crab



River prawn



Common dragonfly nymph



Mayfly nymph