

Hybrid Off River Augmentation Storage (HORAS)

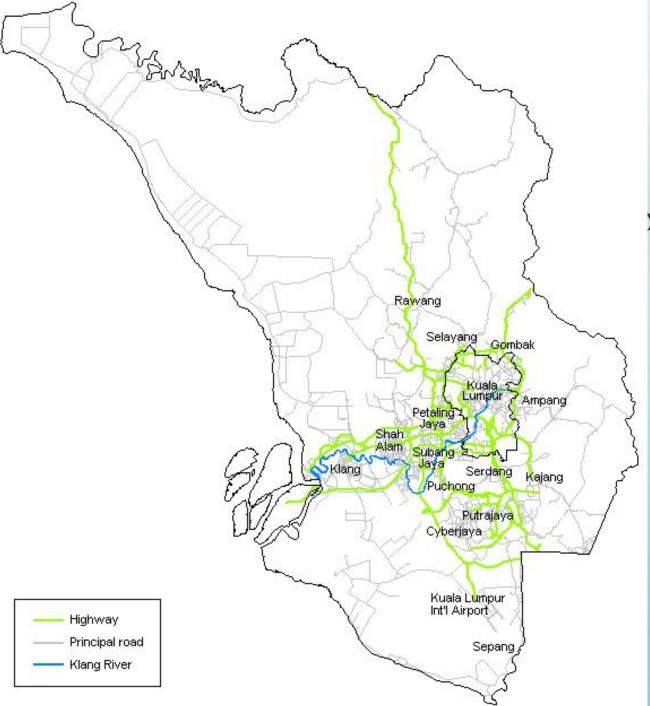
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Challenge

- The uneven distribution of water resources over time
- Population and industrial growth have led to increase in water demand
- Less capacity of treated water
- Illegal discharge of pollutants from factories has cause forced shutdowns of water treatment plants(WTP)

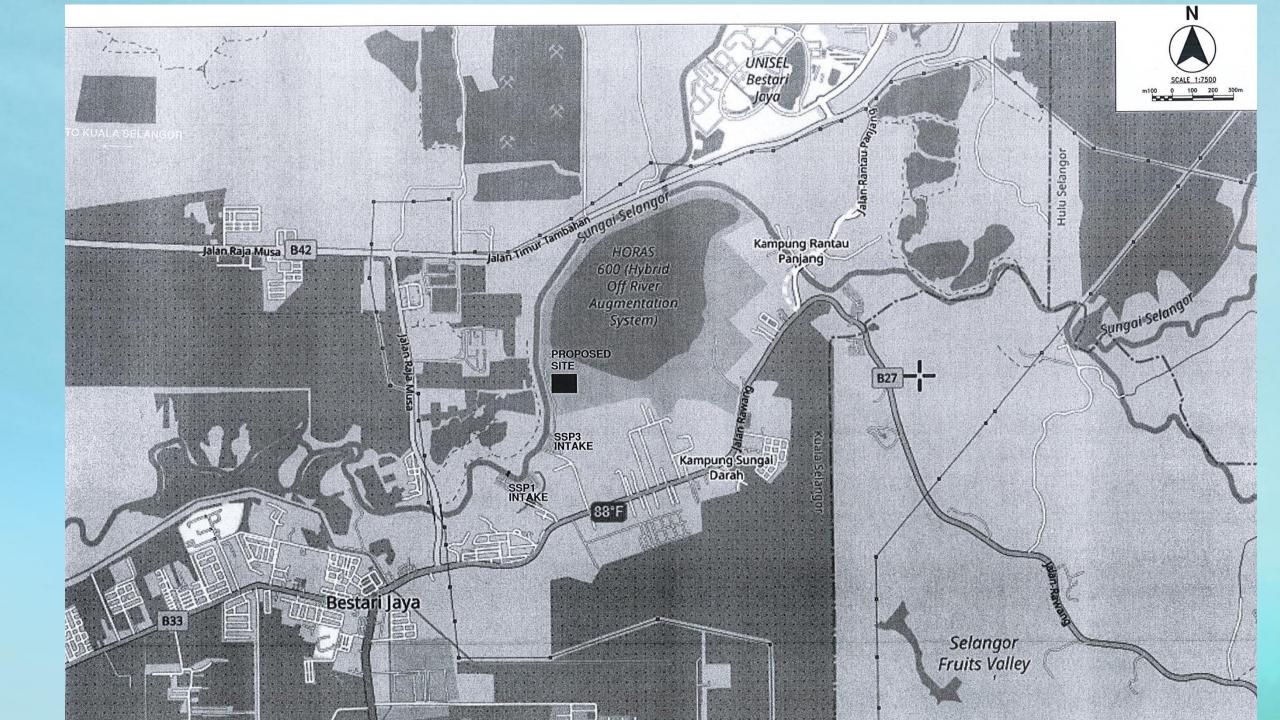
Affected a

Klang Valley 2021. That is cities and tov

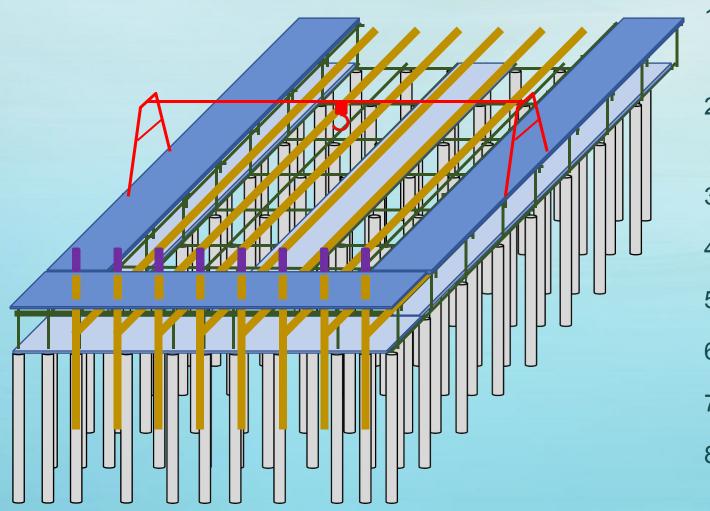


people as of adjoining

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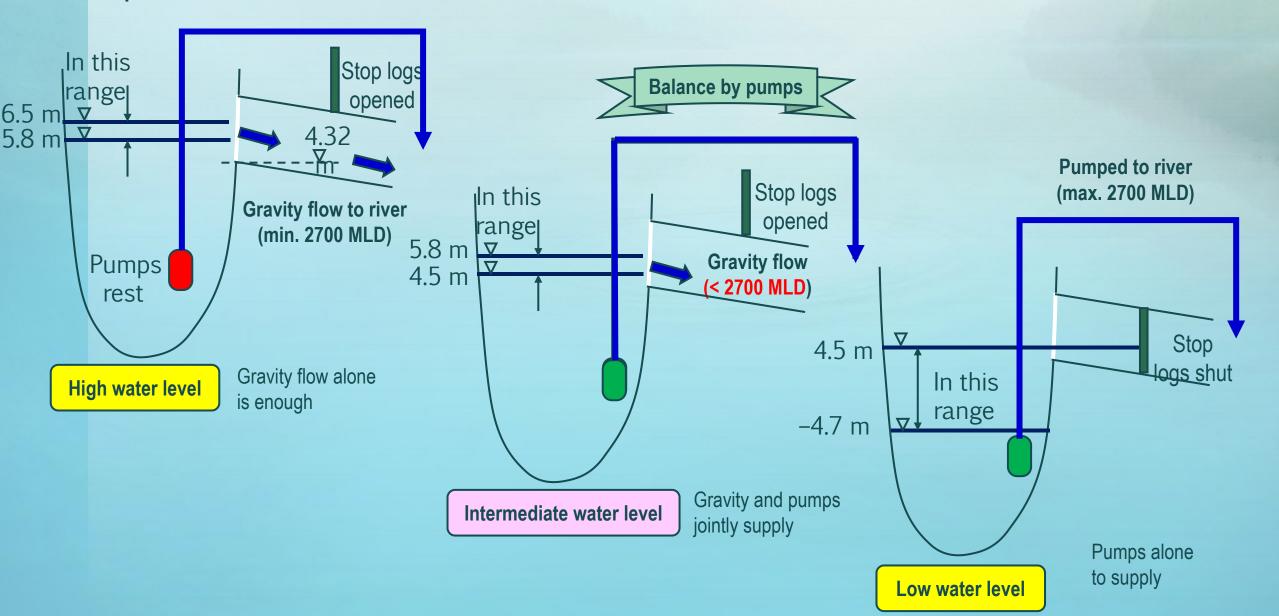
Simple Construction Method



- Install 600 mm mild steel casings
- 2) Install steel frame with Ibeams
- 3) Install steel deck at +7.0m.
- 4) Install steel deck at +10.8m.
- 5) Install gantry crane
- 6) Lay pipes
- 7) Install pumps
- 8) No cofferdam, no excavating, no concreting

Operating Modes of the System

Operation at Various Water Level



Thanks ~