

## Sholayar (Flanking) Dam

Location	10.3178° N, 76.7342° E
State	Kerala
Nearest City	Mukundapuram
Year of Completion	1966
Operated and Maintained by	Kerala State Electricity Board
River Basin	South Coast
River	Sholayar
Dam Type	Masonry Gravity
Height above lowest foundation level	18.6 m
Dam length	109.1 m
Reservoir Area	8705000.0 m <sup>2</sup>
Gross storage capacity	153480000.0 m <sup>3</sup>
Effective storage capacity	149230000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.4 km <sup>2</sup>
Perimeter of catchment	6.1 km
Basin Length	2023.8 m
Form factor	0.57837
Circularity ratio	0.80205
Elongation ratio	0.85785
Highest Stream order	4
Max elevation	914.0 m
Min elevation	769.0 m
Mean bifurcation ratio	3.3450
Stream frequency	84.8530 per km <sup>2</sup>
Relief	145.00 m
Drainage density	12.1290 km/km <sup>2</sup>
Length of overland flow	41.224 m

## CATCHMENT CLIMATOLOGY

