

Willingdon Dam

Location	11.4458° N, 79.1083° E
State	Tamil Nadu
Nearest City	Vriddhachalam
Year of Completion	1923
Operated and Maintained by	Tamil Nadu Water Resources Department
River Basin	East Coast
River	Periyar Odai
Dam Type	Composite Masonry and Earth fill
Height above lowest foundation level	17.2 m
Dam length	4023.0 m
Reservoir Area	15540000.0 m ²
Gross storage capacity	73060000.0 m ³
Effective storage capacity	60010000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.1 km ²
Perimeter of catchment	17.5 km
Basin Length	6340.5 m
Form factor	0.27562
Circularity ratio	0.45579
Elongation ratio	0.59220
Highest Stream order	5
Max elevation	89.0 m
Min elevation	59.0 m
Mean bifurcation ratio	18.8350
Stream frequency	80.8620 per km ²
Relief	30.00 m
Drainage density	11.8000 km/km ²
Length of overland flow	42.372 m

CATCHMENT CLIMATOLOGY

