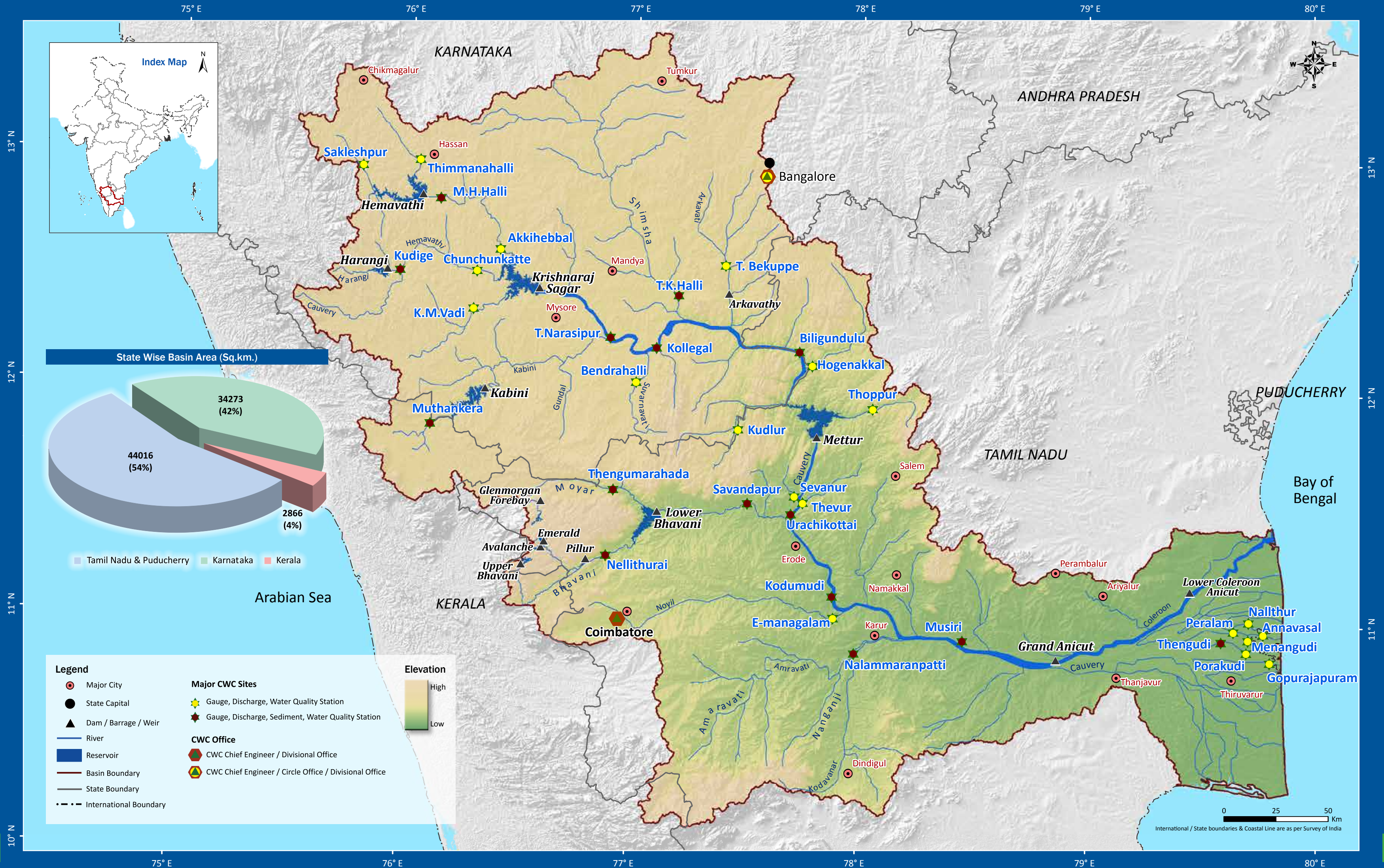


CAUVERY BASIN



The Cauvery basin extends over states of Tamil Nadu, Karnataka, Kerala and Union Territory of Puducherry draining an area of 81,155 Sq.km which is nearly 2.7% of the total geographical area of the country with a maximum length and width of about 560 km and 245 km. It lies between 75°27' to 79°54' east longitudes and 10°9' to 13°30' north latitudes. It is bounded by the Western Ghats on the west, by the Eastern Ghats on the east and the south and by the ridges separating it from Krishna basin and Pennar basin on the north.

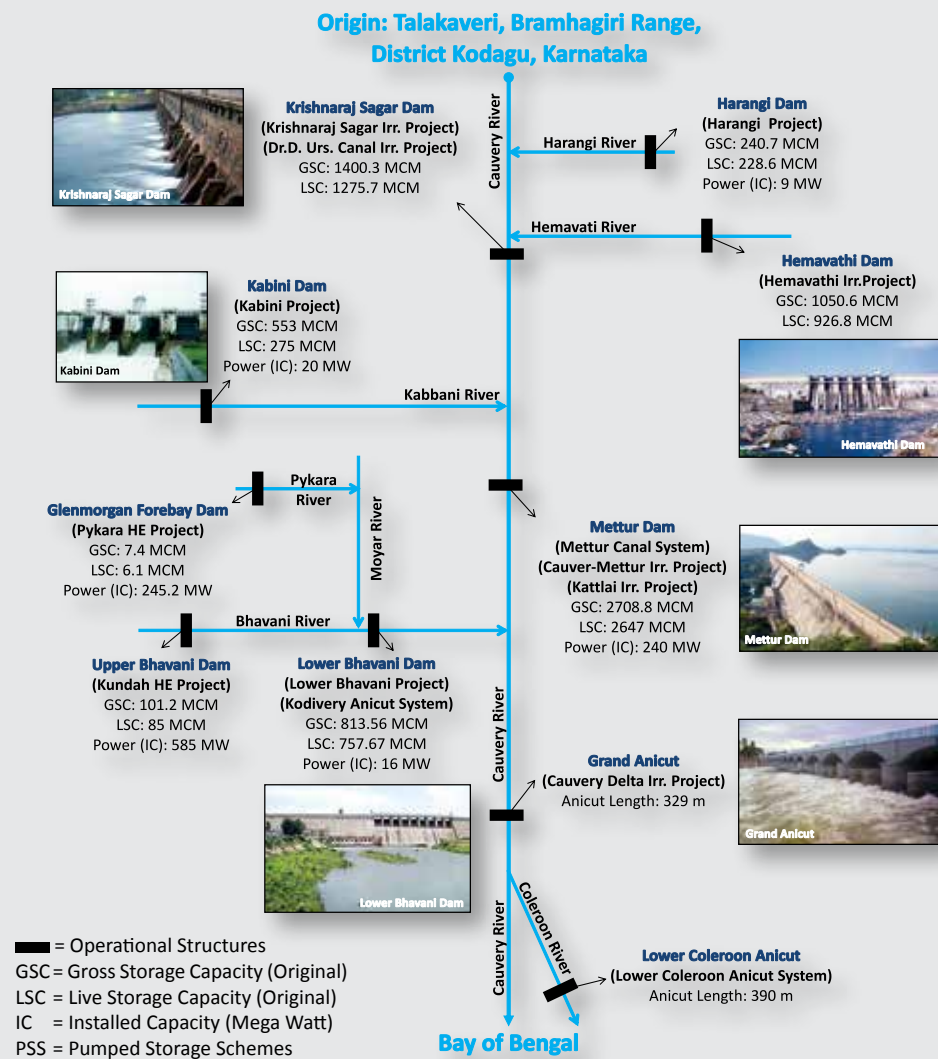
The Cauvery River is one of the major rivers of the peninsula. It rises at an elevation of 1,341 m at Talakaveri on the Brahmagiri range near Cherangala village of Kodagu district of Karnataka. The total length of the river from origin to outfall is 800 km. Its important tributaries joining from left are the Harangi, the Hemavathi, the Shimsha and the Arkavati whereas the Lakshmantirtha, the Kabbani, the Suvarnavati, the Bhavani, the Noyil and the Amaravati joins from right. The river drains into the Bay of Bengal.

The major part of basin is covered with agricultural land accounting to 66.21% of the total area and 4.09% of the basin is covered by water bodies. The basin spreads over 33 parliamentary constituencies (2009) comprising 18 of Tamil Nadu, 11 of Karnataka, 3 of Kerala and 1 of Puducherry.

Salient Features of Cauvery Basin

Basin Extent	Longitude	75° 27' to 79° 54' E
	Latitude	10° 9' to 13° 30' N
Length of Cauvery River (Km)		800
Catchment Area (Sq.km.)		81155
Average Water Resource Potential (MCM)		21358
Utilizable Surface Water Resource (MCM)		19000
Live Storage Capacity of Completed Projects (MCM)		8597.2
Live Storage Capacity of Projects Under Construction (MCM)		269.82
Total Live Storage Capacity of Projects (MCM)		8867.02
No. of Hydrological Observation Stations		34
No. of Flood Forecasting Stations		0

River Flow Line Diagram

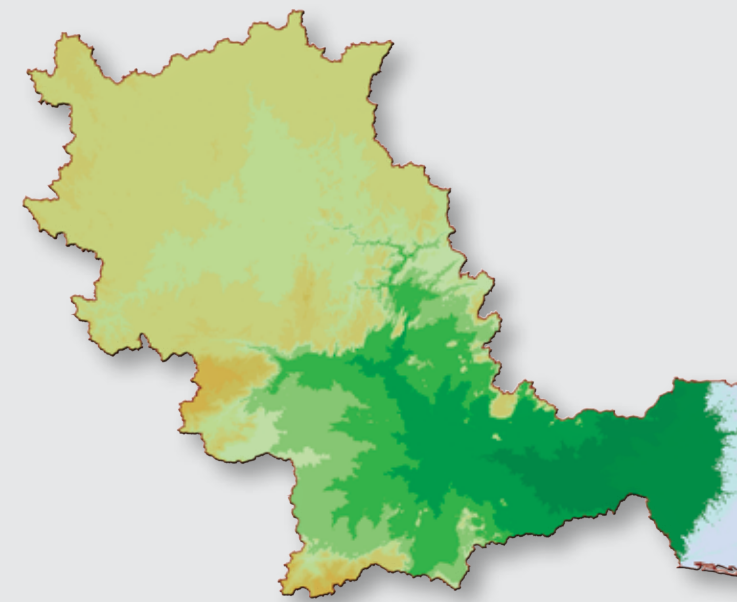


Major Water Resources Projects of Cauvery Basin

Name of Project	Associated Structures	Type	Status	Culturable Command Area (Th ha)	Ultimate Irrigation Potential (Th ha)	Power (MW)
Harangi Project (KA)	Harangi Dam	Major	Completed	54.82	53.54	9
Hemavathi Irr.Project (KA)	Hemavathi Dam	Major	Ongoing	283.29	283.58	
Krishnaraj Sagar Irr. Project (KA)	Krishnaraj Sagar Dam	Major	Completed	79.31	79.31	
Dr.D. Urs. Canal Irr. Project (KA)	Krishnaraj Sagar Dam	Major	Completed		32.88	
Kabini Project (KA)	Kabini Dam	Major	Completed	87.89	81.90	20
Mettur Canal System (TN)	Mettur Dam	Major	Completed	18.21	18.21	
Cauvery-Mettur Irr. Project (TN)	Mettur Dam	Major	Completed	130.55	130.55	240
Kattalai Irr. Project (TN)	Mettur Dam	Major	Completed	49.45	49.45	
Lower Bhavani Irr. Project (TN)	Lower Bhavani Dam	Major	Completed	83.77	83.77	16
Kodivery Anicut System (TN)	Lower Bhavani Dam	Major	Completed	19.83	19.83	
Cauvery Delta Irr. Project (TN, PY)	Grand Anicut	Major	Completed	504.64	504.64	
Lower Coleroon Anicut System (TN)	Lower Coleroon Anicut	Major	Completed	66.00	66.00	
Kundah HE Complex (TN)	Avalanche, Emerald, Kundha Palam, Pegumbahallah Forebay, Pillur, Upper Bhavani, Porithimond, Parson's valley Dam & Nirallapallam Weir	Major	Completed	-	-	585

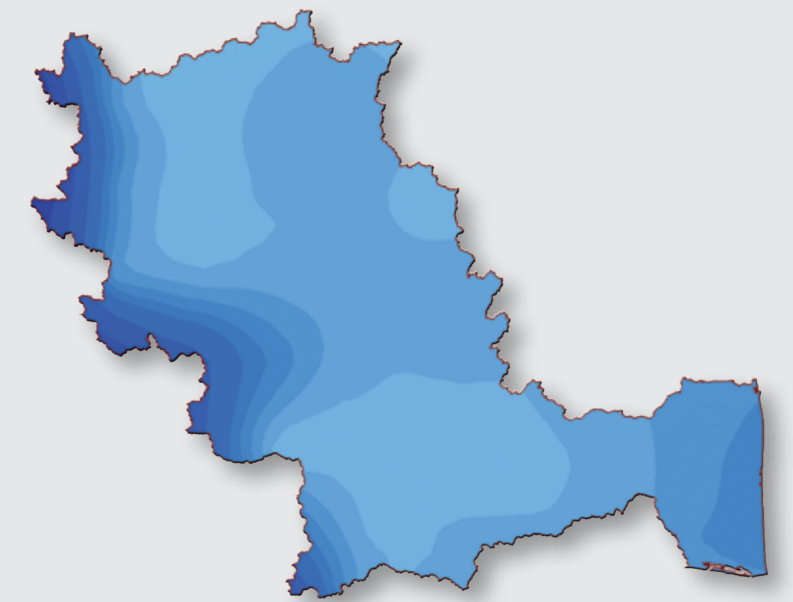
*Th. ha = Thousand Hectare, MW = Mega Watt, MCM = Million Cubic Meter

Elevation Zone Map



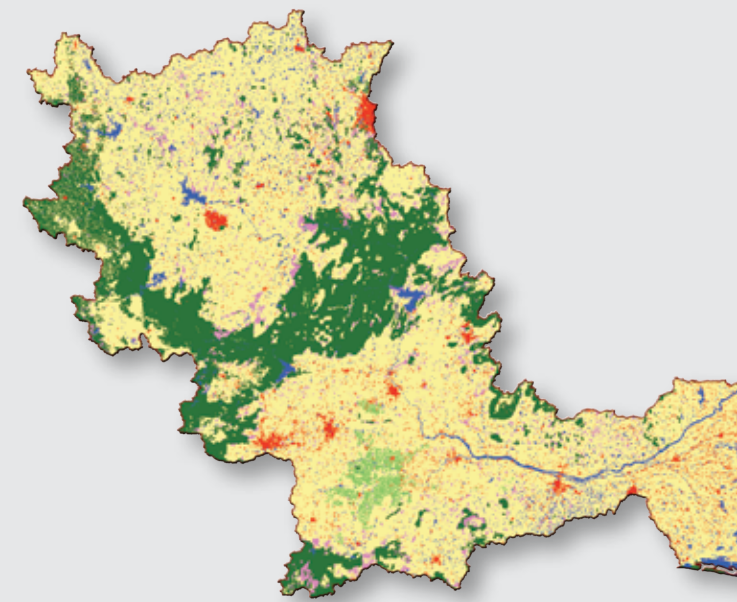
Symbol	Elevation (m)	Area (Sq. km)	% of Total Area
Light Blue	< 5	2058.03	2.54
Light Blue	5-10	1444.14	1.78
Light Green	10-50	4120.77	5.08
Light Green	50-100	3297.20	4.06
Light Green	100-200	7202.59	8.88
Light Green	200-300	8903.69	10.97
Light Green	300-400	6957.78	8.57
Light Green	400-500	2837.79	3.50
Light Green	500-750	12718.66	15.67
Light Green	750-1000	25890.97	31.90
Light Green	1000-1500	3938.50	4.85
Light Green	1500-2000	975.24	1.20
Light Green	2000-3000	809.63	1.00

Average Annual Rainfall (1971-2005)



Symbol	Rainfall (mm)	Area (Sq. km)	% of Total Area
Light Blue	600-800	24247.84	29.88
Light Blue	800-1000	32471.31	40.01
Light Blue	1000-1200	9216.18	11.36
Light Blue	1200-1400	5664.54	6.98
Light Blue	1400-1600	2422.55	2.99
Light Blue	1600-2000	3748.45	4.62
Light Blue	2000-2500	2408.66	2.96
Light Blue	2500-3000	748.84	0.92
Light Blue	3000-4000	226.64	0.28

Land Use / Land Cover (2005-06)



Symbol	Category	Area (Sq. km)	% of Total Area
Red	Built Up Land	3256.37	4.01
Yellow	Agricultural	53736.30	66.21
Green	Forest	16636.66	20.50
Light Green	Grassland	1075.80	1.33
Pink	Wasteland	3133.94	3.86
Blue	Waterbodies	3315.92	4.09

Parliamentary Constituencies (2009)

