

This is the start point of Tapee basin



Tapi River drains 19,560 square kilometers that includes a forested area of 3.68 million square kilometers and an agricultural area of 6.4 kilomillion square meters covering parts of Suratthani, Nakhon Si Thammarat, and Krabi. It consists of 9 tributaries. Along the river there are 19 large and medium size projects (65,600 square kilometers), 71 small projects (264,640 square kilometers) and 54 other projects. An important project is the production of electricity at Ratchaprapa Dam with a capacity of 5,638 million cubic meters. Problems found in the floodplain are flash floods, water shortages and drainage problems in the Dinpru area. The floodplain of Tapi River is divided into 3 main areas: the upper Tapi River, lower Tapi River and the Pumpuang River. The total rainfall is 1600 mm and the total amount of water is 12,513 million cubic meters per year. Although the demand for water within the floodplain is about

2,777 million cubic meters per year, which is less than that total amount water, the problem of water shortage is still present in some parts of the 1st and 2nd area. The third area has high potential to be developed as a principle river. In the future the need for water along the Tapi River floodplain and nearby floodplains will be about 8.8 million cubic meters per year, especially for development projects along the southern coastline. At Muang District Suratthani salt water enters the floodplain at about 100 cubic meters per second. There is a project proposed for 12 reservoirs of various sizes, that can reserve 7,500 million cubic meters of water, a hydroelectric dam, and more than 5 irrigation projects that will total an area of 320,000 square kilometers. The urgent projects area Tan River reservoir (27,200 square kilometers) and the irrigation development project of Ban Numhuk, Punpin District, Suratthani that will use water from Gang Grung Dam (404,000 square kilometers).

In Pipoon District, there are many waterfalls and rivers such as Katoon River, Din Deang River, Ranae River and Tapi Stream that are the source of the Tapi River.