

## **Abstract**

"The Regulation Planing of Zengwen River "in the Republic of 83 years to complete.So far have reached 20 years.Over the years, Riverbed and the flow path has many changed.In 2009 August 8 Typhoon Morakot caused severe damage on both sides Zengwen river.Need to re-examine river training discussion and required to conform to the environment. The scope of the review management planning is Zengwen Reservoir spillway outlet to the estuary about 82 km.

Zengwen river drainage area about 1,176 square kilometers, total stream length about 138 km.Houku·Cailiao and Guantian creek are main tributaries.There are four reservoirs built in Zengwen river drainage area,respectively,Zengwen,Nanhua,Wusanto and Jingmian reservoirs.Catchment area upstream of the reservoirs together accounting for approximately 55% of the basin area.

Zengwen river basin overall flood control measures. In the central canal of the river from the 100-year return period flood protection standards of governance principle amount. Upstream reach adopts stagnation (storage) flood measures,midstream reach adopts flood guide measures,midstream and downstream reaches adopt flood beam and other measures.Adaptation measures to cope with climate changes,establishment of a regional flood control system to prevent the more than 100 years return period flood volume.

Zengwen river basic principles of governance.Ersi levee (section 108) to Zengwen Reservoir spillway outlet the upper

reaches located is mountainous terrain, adopts land control measure;Ersi levee (section 108) downstream to the estuary is Plain terrain, adopts beam flood and dredge measures.