

Taitung Irrigation Association <http://www.tia.gov.tw/>

all in [East Area] / Yilan Hualien Taitung

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Geographical enviroment

It is located in the south-east of Taiwan, and facing to Pacific ocean in the east, counting on Central Mountain range in the west. In the side of east, coastal mountains prolong far distance. Its terrain tilts from the west to the east with slope about 1/14. Starting from Tawu Hsiang in the south, to Changpin, Chihshang Hsiang in the north, total covers 12 towns and cities. Average temperature here is 23 . The dry period in every year begins from Nov. to April of next year, and rich rainfall will be in the summer and annual rainfall is 2,000-2,400 mm. Most of the rainy days are in July, August, and September to show up uneven distribution in time and space. Business area is 14,341 Ha.



Irrigation area

Work station	Taitung	chihpan	Peinan	Luyeh	Kuanshan	chihshang	Tunggho	Chengkung	Changpin
Area	2,751	1,409	1,799	1,047	2,977	1,218	747	1,099	1,294

Total
14,341



Irrigation system

1. Water resources – Main and secondary rivers total 181 come from surface water resources. Ground water pumping 9 stations are used for dry period, and its water pumping quantity is 0.4557 cms. Main irrigation water resources is Peinan river to irrigate area about 9,720 Ha. Lichia, Chihpen, and Tamali stream water system fare to irrigate for area 1,162 Ha. River water resources of Chengkung area has short, torrential and rapid, and flow directly into the ocean. The irrigation area is about 3,118 Ha.

2. Sub-lateral canal – 823,023 meters, water supply ditch 1,408,785 meters.



Irrigation pattern and cultivation way

1. Irrigation pattern has divided into 3 kinds. Except 7th – 17th lateral canal of Kuanshan canal for second crop field, Tayuan canal, Luyeh canal, and Peinanshang canal for upland irrigation area, the rest canals are double-cropped cultivation field. Its main crops are paddy rice, sugar apple, and tea tree, etc.

2. Since 1985, water – saving pipeline irrigation was continuously under promotion. During the period from 1985 to 2006, the area under promotion had reached to be 3663 Ha., and it benefited for 3575 Ha for the farmers. The subsidy for facilities set-up had been reached \$174,512,997.- to benefit for Chihshang, Kuanshan, Haituan, Luyeh, Yenping, Peinan, Taitung, Tamali, GingFong, Tajen, Tawu, Tungho, ChangGong, and ChangPin etc. 14 towns and cities.

3. Irrigation group for voluntary labor – Chengkung area belongs to scattering canals and uneasy to be managed. Irrigation group has promoted with volunteer for labor service and to maintain the irrigation works and canal by issuing the pvc pipes, etc. various materials and operation cost with remarkable result.



Irrigation and drainage canal and major structures under statistics

1. Statistics of irrigation and drainage canal

Irrigation canal						Drainage canal	Total
Leading canal	Main canal	Lateral canal	Sub-lateral canal	Supply ditch	Sub-total		
5,601	494,439	185,065	143,519	1,408,785	2,244,876	42,861	2,287,737

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2. Statistics of main water conservancy structures

Temporary dam	Gate (Sluice)	Head works	Flume	Bridge	Drop	Siphon	Supply gate	Measuring facilities
69	365	62	250	1,185	299	197	594	178



Major corps and characteristics

1. Excellent quality rice production area- Chihshang, Kuanshan ,and Luyeh, 3 towns intake water from pinan river, Luliao river and luyeh river. The water resources is not polluted and high quality, Chihshang rice and Kuanshan rice are so famous in Taiwan.

2. Fulu tea production area – Lungtien, Yuanan village of luyeh Hsiang is the production area for Fulu tea. It belongs to Luyeh canal, Lungtien and Yungan irrigation area, and the area of cultivation has reached up to 550 Ha. Annual productivity is 709,500 kgs, and the total productivity value is approx. \$709,500,000.-

3. Sugar apples production area – It is a special native product and is also called as sugar apple. The production areas include the irrigation area in Peinan and Chihpan working station. The area of cultivation is 1,480 Ha., and productivity is 18,426 Tons, and annual productivity value is approx. \$1,105,000,000.-



Canal green beautification

1. Peinan canal inlet – It closes to Peinan culture park. Except appreciation of the special scenery of little Huangshan and moon world, a Chinese poem mood can be experienced.

2. Luyeh Mapai regulating pond – Because of the soul of mountains and rivers, the high value of Fu green tea is created. Nearby can review the beautiful tea garden and experience the joy of flying parachute.

3. Kuanshan canal inlet – is located at the entrance of South Freeway. During the period of Jan. and Feb. in every year, the rape flowers are bright and shake in the air. Visiting Chingshui park with ecological trip makes all members of your family be happy.



Photos

