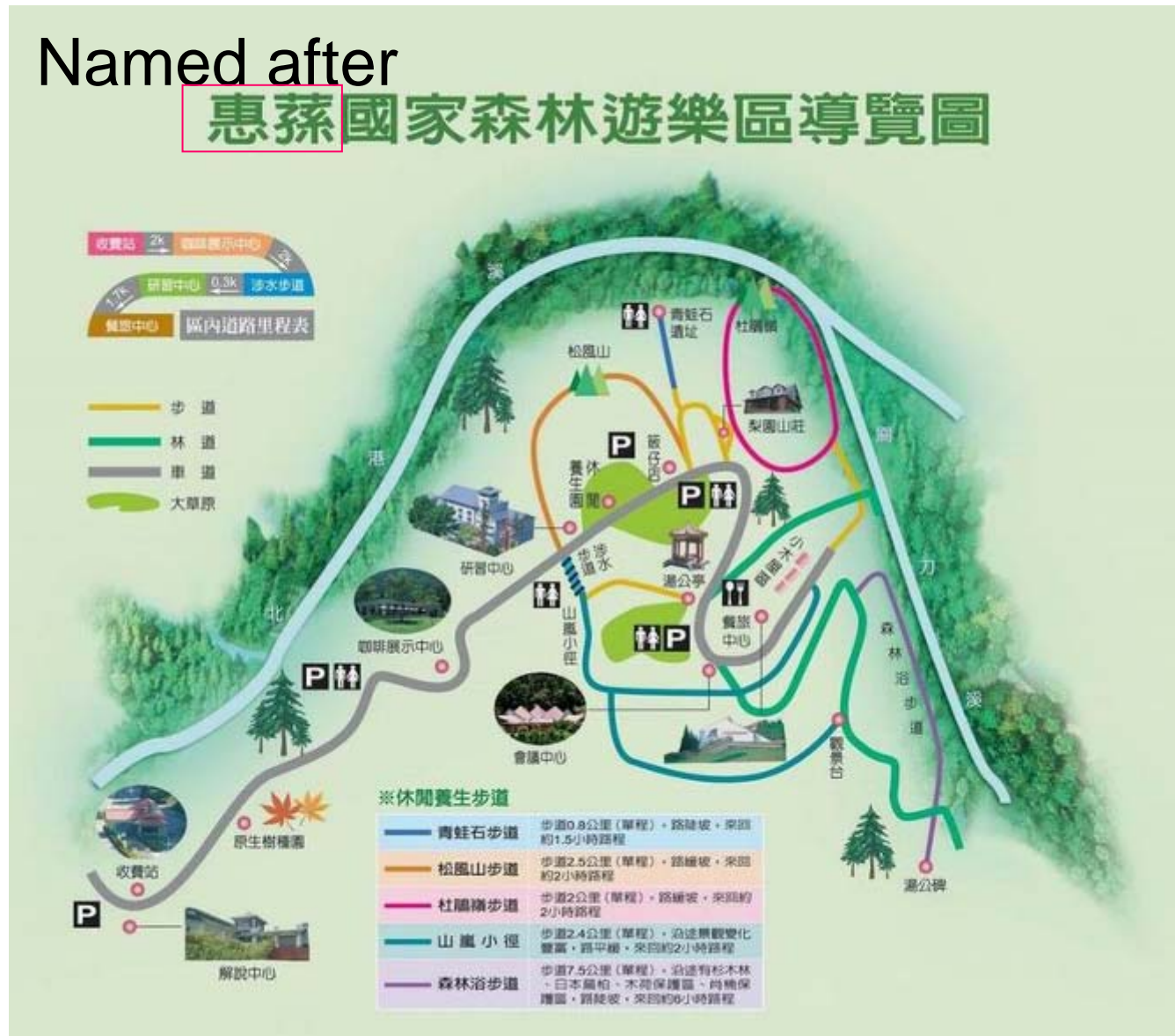


Named after

惠蓀國家森林遊樂區導覽圖

能高
演習林



Brief history of “Wenshan” Experimental Forest of National Chung Hosing University

「惠蓀林場」原名「能高林場」，屬於
國立中興大學實驗林場之一，
民國56年起，為紀念湯惠蓀校長
在視察林場業務時殉職，
因此更名為「惠蓀林場」，
並豎立湯公碑、
湯公亭做為紀念

**民國5年8月移交
東北帝國大學農科演習林，**

**民國7年3月又改為
北海道帝國大學農學部演習林**

Management plan of old Taiwan Experimental Forest of Hokkaido Imperial University

Outline ↑ invasive

1. History, 2. Environment, 3. Forest condition
4. Management
 - 4.1. Plan
 - 4.2. Silviculture
 - 4.3. Forest protection
 - 4.4. Forest road
5. Training for student,
6. Experiments
7. Accounting (income and expense)

Other universities (Tokyo, Kyoto, Kyushu) had exp. forests from 1904 as a school forest.

Brief history from “Old-Japanese view point”

1916: Experimental forest of Tohoku Imperial Univ.

1918: Change to Hokkaido Imperial University

1920: Location name was changed to 能高 forest

1921: Newly opened two nurseries (Neng gao)

4. Management

4.1. Plan--- objective was to training for students

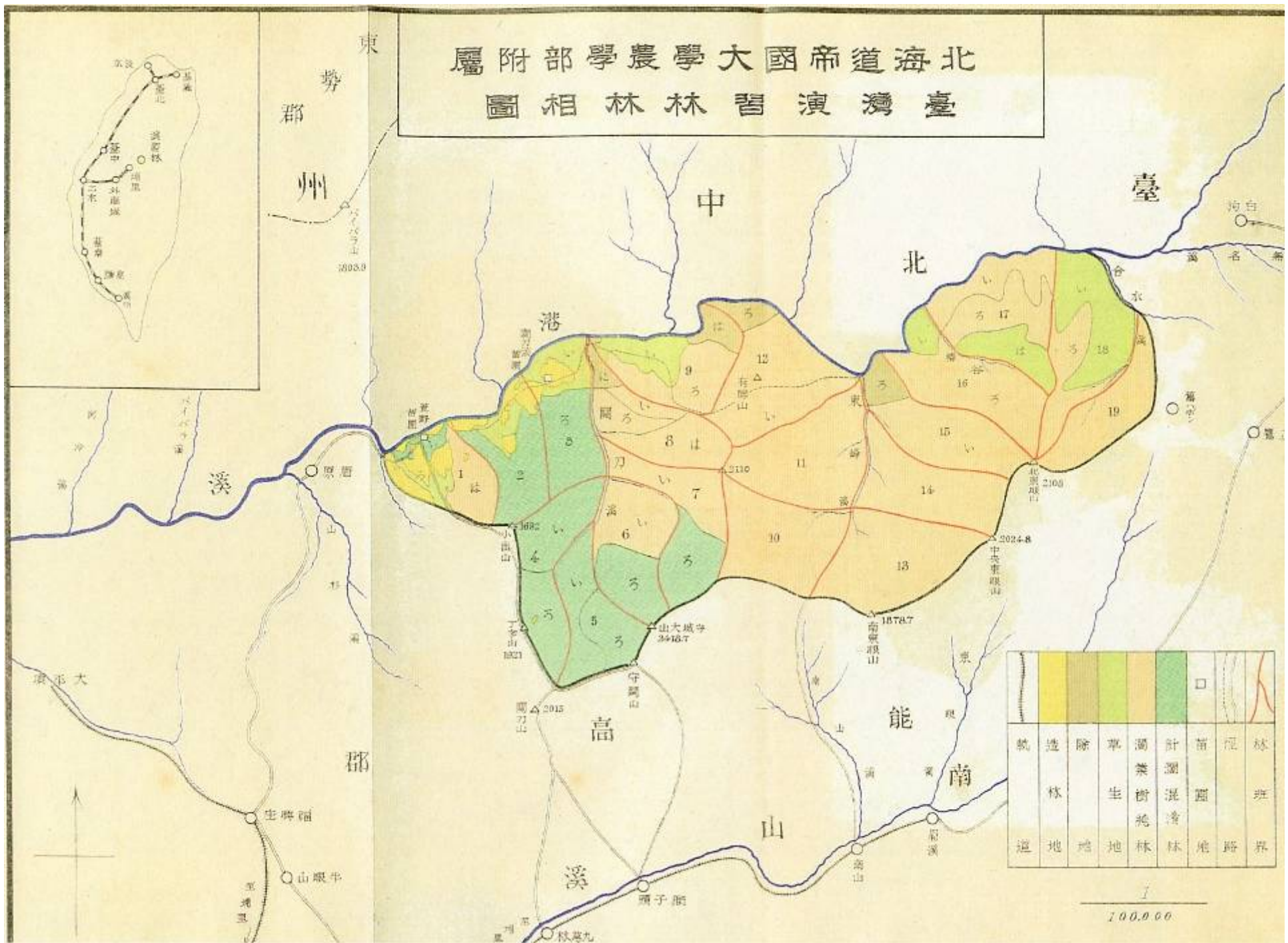
---Very strong sun-shine and heavy rain fall may bring desiccation damage and naked area.

(Temperature: 23.05 (28.33-17.10) °C

--- subtropical to temperate forests

conifer stock was relatively small, that urgently need to plant commercial trees

屬附部學農學大國帝道海北
圖相林林習演灣臺



道	地	地	地	林	混	濕	草	除	造
道	地	地	地	林	混	濕	草	除	造
道	地	地	地	林	混	濕	草	除	造

1
100,000

Principal of management plan

~1918: Try to rehabilitate on the naked area
with making nurseries

1923: Established forest management plan for
individual forest compartment

- **Broadleaved trees**: commercial value is not bad
(4,280,42ha) so keeping them for a while
- *Chamaecyparis* sp. should harvest for 150 yrs
interval with selective cutting
- Area of almost naked land was 858.15 ha, but
114.05 ha was expected by **natural regeneration**.

In nursery, they produced several commercial Important species 10,000~153,100 per year from 1918.

- 44 species were used including Eucalypt and teak, “*Dalbergia sisso*”, ←紫檀の仲間
Cinnamomum camphora

After

台湾日日新報(新聞) 1925.1.1

Department of Forestry of Hokkaido Imperial Univ. was established in 1909~1914 at Sapporo

- > Silviculture lab was the 2nd lab and opened 1910.

Secondary forests to commercial forests with

- 1) Red pine (*Pinus densiflora*)
- 2) *Cryptomeria japonica* (Sugi cypress)
- 3) Related Sugi cypress
- 4) *Cinnamomum camphora*
- 5) *Acacia confusa*
- 6) *Vernicia cordata*
- 7) *Sapindus mukurossi*
- 8) *Bombax ceiba*
- 9) *Rhus succedanea* var.
dumortieri
- 10) *Eucalyptus*
- 11) *Trema tomentosa*
- 12) *Dalbergia sissoo*

1936 : Coffee was planted

Forest protection

- 1) Mainly pay attention to forest fires made by human.
- 2) Irregular harvesting by domestic people.

Protected by

- 1) Good forest road
- 2) Firebreak --- 12km intervals
total about 1800m



Production

Mainly in *Chamecyparis obtusa* (Hinoki cypress)