

CONFIDENTIAL  
EIGHTEENTH AAF PHOTO INTELLIGENCE DETACHMENT  
HEADQUARTERS, FOURTEENTH U. S. AIR FORCE  
A. P. O. #627, NEW YORK, N. Y.  
6 April 1944

THIRD PHASE P. I. REPORT #54

LOCALITY : TAICHU CITY & AIRDROME, FORMOSA (24-09 N, 120-42 E)

MISSION NO. : 12/2 C, 13/2 C, 13/4 C, 13/7 C.

DATE OF PHOTOS : 7 December 1943, 10 January 1944, 12 January 1944,  
24 January 1944.

APPROX. PHOTO SCALE : 1:14,500 - 1:15,000 - 1:14,200 - 1:15,250.

PHOTOGRAPHED BY : 21st Photo Ren. Sq.

REFERENCES : Air Objective Folder 91.4, Tainan West Area, Intelligence  
Service, U. S. Army Air Forces, Washington, D. C.

ENCLOSURE : Annotated Mosaic - M 13/4 C.

REMARKS : Excellent 24" and 6" coverage is available over the A/D  
and City of Taichu. The numbers in the right hand margin  
of the detailed interpretation refer to similar numbers  
on the attached mosaic.

All scales and measurements are approximate, and all  
directions are based on a 16-point compass.

SUMMARY

A first class military airdrome is located two and one-half ( $2\frac{1}{2}$ ) miles NW of the City of Taichu. This airdrome has complete facilities for maintenance and repair of aircraft.

The City, covering an area of approximately five (5) square miles, is located approximately ten and one-half ( $10\frac{1}{2}$ ) miles east of the coast, and slightly N of the middle of the Island of Formosa. Taichu is the center of a considerable amount of military activity evidenced by numerous military camps and barracks.

The following is a summary of the installations located and described in the detailed interpretation.

I. AIRDROMES:

- A. Six Hangars.
- B. Several administration buildings, shops, barracks, and warehouses.
- C. Seventy (70) revetments, a firing butt, and a beacon light.
- D. Several M/G and light A/A positions.

II. MILITARY CAMPS AND BARRACKS:

- A. One (1) large military camp and training area.
- B. Six (6) small and medium-sized military camps and barracks.

III. WAREHOUSE AND STORAGE AREAS:

- A. Seven (7) warehouse areas in conjunction with RR yards.
- B. Five (5) warehouse areas dispersed throughout the town and within industrial areas.
- C. Two (2) revetted ammunition storage buildings.

IV. DEFENSES:

- A. Three (3) light AA positions.
- B. Many M/G positions.

V. TRANSPORTATION:

- A. One (1) RR yard.
- B. One (1) RR line.
- C. Three (3) paved highways.

VI. INDUSTRY:

- A. One (1) brick plant.
- B. One (1) alcohol plant.
- C. One (1) large unidentified light industry.
- D. Five (5) small unidentified industries.

VII. UTILITIES:

- A. One (1) transformer station.

VIII. COMMUNICATIONS:

- A. One (1) probable radio station.

IX. LANDMARKS:

- A. Taito River.

X. MISCELLANEOUS:

- A. One (1) large hospital area.
- B. Nine (9) administration areas, within and surrounding the town.
- C. One (1) agricultural experiment station.
- D. One (1) prison.

DETAILED INTERPRETATION

Installation No.  
(See Attached  
Mosaic.)

I. TAICHU AIRDROME:

Location: A large first class military airdrome is located two and one-half ( $2\frac{1}{2}$ ) miles NW of the City of Taichu. The airdrome is approximately eight (8) miles inland from the west coast of Formosa.

Landmarks: The Taito River and a conspicuous pattern of gullies and intermittent streams approximately six (6) miles to the west and SW offer good landmarks. The presence of Toyohara Airdrome just four and one-half ( $4\frac{1}{2}$ ) miles to the north also serves to locate Taichu A/D.

Size, Shape & Condition: The airdrome is rectangular in shape, the dimensions being 4250x3800'. The entire landing area is graded, surfaced with sod or gravel, drained, and usable practically all of the time. ----- 1

Runways and Taxi Strips: There are no definite runways, but the field is suitable for landing in any direction. A circular taxiway, 3150' in diameter, is being constructed around the NW corner of the field for use as a dispersal area. A newly constructed taxistrip, 1620 ft. long, runs from the NW corner of the field WSW to the circular taxiway. ----- 2

Expansion Possibilities: The airdrome could be readily expanded in any direction.

Obstructions: There are no obstructions in any direction except the buildings at the SE corner of the A/D.

Hangars: Six (6) hangars, 160' x 145', are located at the SE corner of the field. Paved service aprons, 350' x 90', lead to four (4) of the hangars. One (1) hangar has a paved apron, 150' x 90'. ----- 3

Shops, Barracks, and Other Buildings: A large administration area, 2200' x 1250', is located at the SE corner of the field, adjacent to the hangars, and consists of the following: ----- 4

One (1) probable operations building, 210' x 60'.  
 Two (2) barracks-type buildings, 210' x 70'.  
 One (1) barracks-type building, 270' x 70'.  
 Four (4) administration-type buildings, 150' x 50'.  
 Five (5) administration-type buildings averaging 100' x 50'.  
 One (1) "H"-shaped building, the two wings of which are  
 170' x 30' and 170' x 55'.  
 One (1) storage-type building, 285' x 60'.  
 Four (4) storage-type buildings averaging 130' x 40'.  
 One (1) shop-type building, 165' x 50'.  
 Five (5) shop-type buildings, 100' x 55'.  
 One (1) partly camouflaged probable supply building, 140'  
 x 20'.  
 One (1) partly camouflaged probable supply building, 70'  
 x 30'.  
 Approximately thirty (30) small miscellaneous buildings.  
 One (1) probable garage, 140' x 30'.  
 Two (2) water towers.

Aircraft Dispersal: Seventy-three (73) revetments for small — 5  
 aircraft are dispersed about the A/D as follows:

Twelve (12) revetments, 50' in width, are served by the  
 circular taxiway at NW corner of field. This is shown  
 on M 13/7 C.

Fifteen (15) revetments (in groups of three), 50' in  
 width, twelve of which are covered, are located in SW  
 corner of field.

Eighteen (18) revetments (in groups of three), 50' in  
 width, of which twelve (12) are covered, are located  
 in NE corner of field.

Fifteen (15) revetments (in groups of three), 50' in  
 width, of which twelve (12) are covered, are located  
 in the NW corner of the field.

Thirteen (13) revetments, 45' in width, are located  
 along the west side of field.

Miscellaneous Airdrome Installations: A firing butt, 140' — 6  
 in width, with a paved apron 200 ft. away, is located adjacent  
 to the northernmost hangar.

Three (3) storage-type revetments, 60' x 40', probably — 7  
 munitions storage, are located at the NE corner of the field.

One (1) beacon light is visible in the center of the admin- — 8  
 istration area.

An unidentified group of buildings, all connected by — 9  
 covered walkways, is located 1400' east of the administration  
 area and consists of the following:

Two (2) wings, 180' x 20'.

Two (2) wings averaging 50' x 30'.

A center section covering an area of approximately  
 100' x 90'.

A building, 150' x 75', is under construction one and — 10  
 one-fourth (1 1/4) miles NNE of the A/D. This building may probably  
 be used in connection with the airdrome.

Defenses: Many M/G positions are located in the hangar and  
 administration areas at the SE side of the field.

One (1) probable light A/A position is located at the SW  
 corner of the field.

Two (2) M/G positions are located in SW corner of field.

Three (3) M/G positions are located in NE corner of field.

Numerous fox holes and slit trenches are visible throughout the A/D and particularly in the hangar and administration areas.

Activity: The following is a list of the number and size of aircraft visible on the available coverages:

<u>MISSION</u>	<u>LARGE</u>	<u>MEDIUM</u>	<u>SMALL</u>	<u>TOTAL</u>
M 12/2 C	11	0	1	12
M 13/2 C	30	2	0	32
M 13/4 C	1	0	41	42
M 13/7 C	0	0	30	30

## II. MILITARY CAMPS & BARRACKS:

A military school covering an area 1130' x 1050' is located 1-3/4 miles SW of RR station (See Installation #31), and consists of the following facilities: ----- 11

- Five (5) barracks-type buildings, 570' x 40'.
- Two (2) barracks-type buildings, 315' x 20'.
- One (1) barracks-type building, 300' x 40'.
- Two (2) administration-type buildings averaging 110' x 60'.
- Nine (9) small miscellaneous buildings.
- Numerous slit trenches.

A barracks area, approximately 1150' x 850', is under construction one (1) mile SSW of RR station. The facilities here include the following: ----- 12

- Two (2) barracks-type buildings, 260' x 40'.
- Seven (7) barracks-type buildings, 200' x 40', (one of which is under construction).
- Three (3) barracks-type buildings averaging 230' x 40'.
- One (1) barracks-type building, 155' x 40'.

A large military area, approximately 2200' x 2200', is located just NE of the RR yard, and consists of the following installations: ----- 13

- Four (4) barracks-type buildings averaging 255' x 50'.
- Two (2) barracks-type buildings, 250' x 35'.
- Two (2) barracks-type buildings averaging 170' x 40'.
- One (1) storage-type building, 90' x 35'.
- One (1) administration-type building, 240' x 30'.
- Twelve (12) miscellaneous buildings averaging 50' x 30'.
- A stack, located in the center of the south side of the barracks area.

The following defenses are visible in this area:

- Three (3) light A/A positions.
- Several unoccupied M/G or light A/A positions.
- Numerous slit trenches.

Two heavily revetted munitions storage buildings, 35' x 30', and 65' x 20', are located in the NE corner of the above military area. ----- 14

A probable officers quarters area consisting of twenty-five (25) buildings, 30' x 40', is located at NE corner of the above military area. ----- 15

Two (2) schools or permanent garrisons are located adjacent to each other, 4500' N of the RR station. The combined facilities of the two schools are as follows: ----- 16

Three (3) barracks-type buildings, 340' x 30'.  
 One (1) administration-type building with approximately 17,700 sq. ft. of floor space.  
 Three (3) barracks-type buildings, 255' x 30'.  
 One (1) barracks-type building, 170' x 30'.  
 Two (2) barracks-type buildings, 145' x 30'.  
 Two (2) administration-type buildings averaging 380' x 35'.  
 Several small miscellaneous buildings.  
 Three race tracks and athletic fields.

A small barracks and/or administration area, located approximately 1-3/4 miles NNW of RR station, consists of the following: ----- 17

Two (2) barracks-type buildings, 230' x 45'.  
 One (1) barracks-type building, 185' x 45'.  
 Three (3) small miscellaneous buildings.

A school or probable military academy covering an area 1300' x 650' is located 4700' WNW of RR station and consists of the following: ----- 18

Four (4) barracks-type buildings, 285' x 30'.  
 Four (4) barracks-type buildings, 190' x 30'.  
 One (1) multi-story administration-type building, 360' x 30'.  
 Ten (10) small miscellaneous buildings.  
 Slit trenches are visible throughout the area.

A small school or permanent garrison is located approximately three (3) miles W of RR station, and contains the following installations: ----- 19

Five (5) barracks-type buildings averaging 170' x 30'.  
 One (1) building, 100' x 55'.  
 Ten (10) small miscellaneous buildings.

A small school or military camp covering an area 1000' x 900' is located 3300' S of the A/D, and contains the following: ----- 20

One (1) large dormitory or administration building, 450' x 50'.  
 One (1) building, 300' x 40'.  
 Three (3) buildings, 180' x 80'.  
 Six (6) buildings averaging 210' x 35'.

### III. WAREHOUSE AND STORAGE AREAS:

A warehouse area, 580' x 210', is located 1.1 miles WSW of RR station, and consists of the following: ----- 21

Four (4) camouflaged warehouse buildings, 150' x 55'.  
 One (1) camouflaged warehouse building, 155' x 55'.  
 One (1) warehouse building, 155' x 45'.

A storage area is located 2700' ENE of RR station, and consists of several adjacent warehouses covering an area 600' x 35'. Quantities of loose stores are visible here. ----- 22

A small probable storage area is located approximately 1-3/4 miles SW of the RR station and near the military camp (described in Paragraph #12). The following installations are located in this area: ----- 23

One (1) camouflaged building, 185' x 55'.  
 One (1) building, 110' x 40'.  
 Three (3) small buildings averaging 45' x 25'.

A barracks or storage area covering a space 1400' x 700' is being built approximately 1-3/4 miles NNW of the RR station. The facilities here include the following: ----- 24

Three (3) buildings, 285' x 30'.  
 One (1) building, 355' x 30'.  
 One (1) building, 145' x 30'.  
 Six (6) miscellaneous buildings.

A warehouse area is located at the east end of the small loading yard within the alcohol plant and 2800' east of the RR station. The facilities here include: ----- 25

- Five (5) storage buildings averaging 70' x 40'.
- One (1) storage building, 115' x 70'.

A warehouse area is located at the south side of the alcohol plant (Installation #35) which is located just east of the RR yards. The following buildings are visible here: ----- 26

- Five (5) warehouses, 215' x 30'.
- One (1) warehouse, 170' x 90'.
- One (1) warehouse, 110' x 90'.
- One (1) warehouse, 115' x 70'.
- Ten (10) warehouses, 70' x 40'.

#### IV. DEFENSES:

The only defenses visible in the City are those located in the military area NE of the RR yards and described under Installation #13.

#### V. TRANSPORTATION:

Highways: A good highway enters the City of Taichu from the NE, passes through the center of the City and leaves in a SW direction. ----- 27

A paved highway which passes the NE corner of the airdrome enters the City from the NNW. ----- 28

A new highway which enters the City from the NW is under construction. A strip, 1550' long, at the edge of the City has not yet been completed. ----- 29

The City is also served by several other roads which lead out from it in all directions.

Railroads: A single track RR approaches the City from the north, turns to the WSW where it enters the City and RR yards and then continues in a WSW direction. ----- 30

The RR yard, running ENE-WSW, is located just SE of the center of town. The yard is 1450' long, and at its widest point has fifteen (15) tracks. A narrow guage single track leads from the ENE choke point of RR yard in an ESE direction beyond the photo coverage. A spur swings north from this track to serve the alcohol plant. A 55' turntable is located at the ENE end of the main RR yard. ----- 31

The passenger RR station, 200' x 60', is located near the center, and on the N side of the RR yard.

At the WSW end of the yard is a series of warehouses covering an area 450' x 50'.

At the ENE end of the yard is a series of warehouses covering an area, 480' x 50'.

At the NNW side of RR yard is a series of warehouses covering an area 450' x 50'. One (1) warehouse-type building, 190' x 30', is located on NNW side of RR yard.

On the 12 January 1944 coverage approximately 30 RR cars were visible here.

Canals: A controlled stream channel runs through the NW section of the City in a NE-SW direction. No boat activity is visible. ----- 32

A controlled stream channel runs through the center of the City in a general NE-SW direction. No boat activity is visible. ----- 33

VI. INDUSTRY:

A brick plant is located 4500' NE of the RR station. The plant is approximately 1000' x 500' and consists of the following: ——— 34

- Three (3) large kilns, 150' x 45'.
- Eight (8) drying sheds, 170' x 15'.
- Two (2) drying sheds, 250' x 15'.
- One (1) drying shed, 140' x 15'.
- Four (4) drying sheds, 100' x 15'.

A tall stack is located in the center of the area.

Raw materials are brought into the west side of the plant. Four (4) buildings averaging 130' x 30' are located in this area.

A sugar refinery and alcohol plant roughly triangular in shape, 800' x 600' x 1000', reported to be the Imperial Sugar Co., is located west of the east choke point of the RR yard, and contains the following installations: ——— 35

- Ten (10) receiving warehouses averaging 70' x 40'.
- One (1) receiving warehouse 115' x 70'.
- One (1) receiving and unloading building, 230' x 55'.
- One (1) crusher building, 100' x 100'.
- One (1) cooking building, 110' x 80', with adjacent stack.
- One (1) distillation building with an area of 19,000 sq. ft.
- One (1) warehouse for finished products, 170' x 90'.
- One (1) warehouse for finished products, 110' x 90'.
- Five (5) warehouses for finished products, 125' x 30'.
- One (1) administration building, 180' x 55'.
- Three (3) storage tanks approximately 50' in diameter.
- Approximately 130' small narrow gauge RR cars are present in the coverage of 12 January 1944.

Immediately SE of the alcohol plant is a small unidentified industry. It has a stack and several buildings covering an area of approximately 60,000 sq. ft. ——— 36

A small unidentified industry is located 1-1/3 miles NW of RR yard. The following buildings are visible here. ——— 37

- One (1) building, 110' x 80'.
- One (1) building, 150' x 60'.
- One (1) building, 110' x 60'.
- One (1) building, 70' x 60'.
- Fourteen (14) miscellaneous buildings.

A large unidentified light industrial plant, covering an area 900' x 700', is located 1700' SW of the RR station. The following installations are visible here: ——— 38

- A group of three (3) factory-type buildings covering an area of 23,800 sq. ft.
- One (1) large factory-type building, 200' x 100'.
- One (1) "L"-shaped factory-type building with approximately 23,500 sq. ft. of floor space.
- Two (2) factory-type buildings, 185' x 40'.
- One (1) factory-type building, 85' x 70'.
- Two (2) factory-type buildings averaging 110' x 40'.
- Three (3) shop-type buildings averaging 120' x 115'.
- Two (2) shop-type buildings averaging 110' x 70'.
- One (1) storage-type building, 110' x 30'.
- One (1) administration building, 120' x 60'.
- One (1) administration building, 115' x 35'.
- A power unit, 60' x 35', with tall stack adjacent.
- Several small miscellaneous buildings.

A small unidentified installation located 2 1/2 miles SW of the RR ——— 39

station consists of two buildings, 70' x 30', and an adjoining stack.

A small unidentified industrial plant is under construction 5000' NNW of RR station, and covers an area of 400' x 250'. The following facilities are visible here: ----- 40

- One (1) saw-tooth roofed building, 150' x 60'.
- Two (2) foundations for buildings, 60' x 50', and 100' x 60'.
- Seven (7) small miscellaneous buildings.

A light unidentified industry, 550' x 90', is located 4500' SW of the RR yard. The area consists of the following: ----- 41

- One (1) saw-tooth roofed building, 80' x 45', with a stack adjacent.
- One (1) building, 125' x 60'.
- Two (2) buildings, 125' x 30'.
- Two (2) small cylindrical tanks, 15' in diameter.
- Several small miscellaneous buildings.

#### VII. UTILITIES:

A transformer station is located  $1\frac{1}{4}$  miles NNE of the RR station. The transformer station covers an area of 280' x 200' and included within this area are four (4) buildings ranging in size from 40' x 40' to 25' x 25'. ----- 42

A transmission line runs SSE from the transformer station.

#### VIII. COMMUNICATIONS:

A probable radio station is located 4500' NNE of RR station. Two towers are visible 225' apart. A building, 60' x 40', is located adjacent to one of the towers. ----- 43

#### IX. MISCELLANEOUS:

A large area, 700' x 700', reported to be a hospital, is located near the center of the City, 3000' WNW of RR station. The following buildings are located here: ----- 44

- A large T-shaped multi-story building covering a ground area of approximately 42,000 sq. ft.
- Five (5) buildings, 200' x 40'.
- One (1) building, 170' x 40'.
- Seven (7) small miscellaneous buildings.

An administration area covering 120,000 sq. ft., located  $1\frac{1}{2}$  miles west of the RR station consists of the following: ----- 45

- Two (2) buildings, 150' x 30'.
- One (1) building, 200' x 30'.
- One (1) building, 100' x 25'.
- Three (3) buildings averaging 60' x 25'.
- Six miscellaneous buildings.

An agricultural experimental station is located 1-1/3 miles NW of the RR yard. The following buildings are visible. ----- 46

- One (1) building, 160' x 25'.
- Fifteen (15) buildings averaging 40' x 25'.

A prison, covering 360,000 sq. ft. is located 4000' WSW of the RR station. The prison is surrounded by a high wall and contains approximately thirty (30) buildings. ----- 47

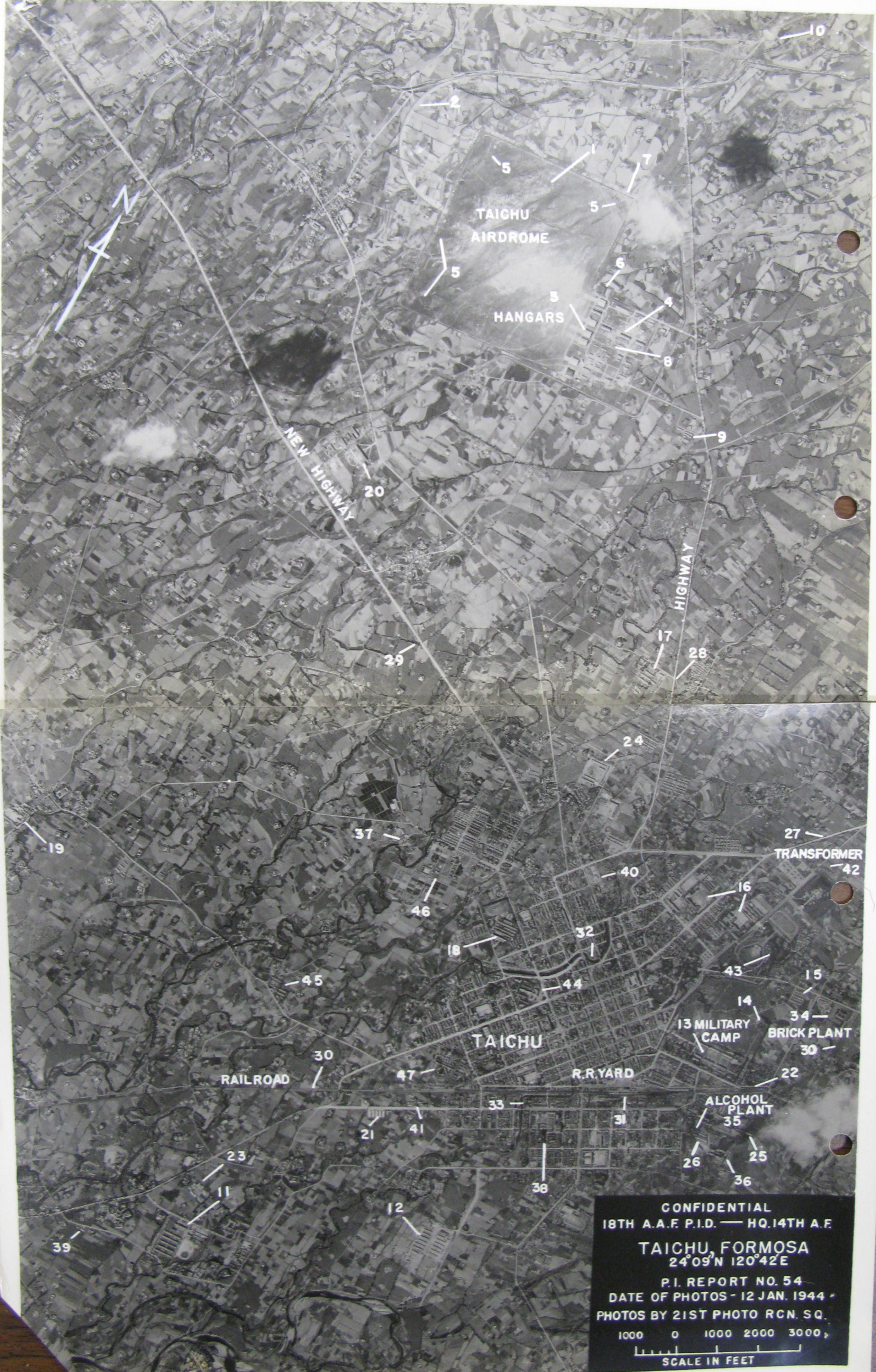
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TAICHU  
AIRDROME

HANGARS

NEW HIGHWAY

HIGHWAY

RAILROAD

R.R. YARD

ALCOHOL  
PLANT

13 MILITARY  
CAMP

BRICK PLANT

TRANSFORMER

TAICHU

CONFIDENTIAL  
18TH A.A.F. P.I.D. — HQ. 14TH A.F.  
**TAICHU, FORMOSA**  
24°09'N 120°42'E  
P.I. REPORT NO. 54  
DATE OF PHOTOS - 12 JAN. 1944  
PHOTOS BY 21ST PHOTO RCN. SQ.  
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SCALE IN FEET