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EIGHTEENTH PHOTO INTELLIGENCE DETACHMENT  
HEADQUARTERS, FOURTEENTH AIR FORCE  
A. P. O. #627, NEW YORK, N. Y.

19 January 1944

THIRD PHASE REPORT NO. 40

LOCALITY : PESCADORES ISLAND GROUP (23-35 N, 119-29 E)  
(MAKO ISLAND (HOKO), OBSERVATORY IS., GYOO IS.,  
KOSEI IS.)

MISSION NOS. : 4/5; 11/6 C; 12/8 C.

DATES : 24 April 1943; 7 Nov. 1943; 20 Dec. 1943.

TIMES : 1200; 1230; 1100.

SQUADRON : 21st Photo Rcn. Squadron.

ALTITUDES : 23,300; 28,000; 32,600.

FOCAL LENGTHS : 24" and 6".

CONTACT SCALES : 1:12,150 & 1:48,600 - 1:14,000 & 1:56,000 -  
1:16,300 & 1:65,200.

REFERENCES : International Map of the World 1:1,000,000 -  
14th U.S.A.A.F. A-2 Air Objective Folder (Pescado-  
res).

ENCLOSURE : Annotated Mosaic and six inch print.

GENERAL : This report supersedes Third Phase Report No. 1-A  
MAKO IS., PESCADORES Group published 20 Aug. 1943  
by this Headquarters. A complete coverage of all  
the Islands of the PESCADORES Group is not available. Incomplete  
coverage on 24" prints and cloud coverage on both 24" & 6" prints  
make a complete interpretation impossible. In some instances 6"  
prints only were available for interpretation.

Ground information reports disclose that the  
PESCADORES Group is almost entirely military. The photographs reveal  
this to be true except for large amount of the territory under culti-  
vation.

Approx. 51,000 tons of merchant shipping but no  
naval vessels are visible on mission 11/6 C. On mission 12/8 C there  
was no coverage over the dock area.

The numbers on the annotated print refer to the  
paragraph numbers in the detailed interpretation.

SUMMARY

A. MAKO Island - MAKO Island is the largest island in the PESCADORES  
Group. The island contains the following military installations:

- I. Airdromes - one active A/D (second class) and one old landing  
field no longer in use.
- II. Camps, Barracks and Administration - Numerous small barracks  
areas. One old fort apparently no longer in use.
- III. Supply, Ammunition and Fuel Storage - Numerous underground  
fuel and/or ammunition storage. Many small warehouses areas.  
Six underground fuel storage tanks.
- IV. Defenses - Five (5) A/A positions. Seven (7) c/d positions.  
One (1) probable searchlight position.
- V. Transportation - A complete highway & road net & causeways  
connect MAKO Is. with two small islands to the N, and OBSERVATORY  
Island to the W. There are no RR facilities on the island.
- VI. Utilities - One (1) power plant; one (1) probable water  
tower.
- VII. Communications - Two radio installations. One possible radar
- VIII. Industry - None visible.
- IX. Shipping Facilities - One (1) boat basin; two (2) quays;  
six (6) piers; one (1) boat building yard.

B. OBSERVATORY Island - OBSERVATORY Island lies to the W, and is  
connected to MAKO Island by a causeway. The entire island is occupied  
by the ANSAN Naval Base. OBSERVATORY Island is irregular in shape  
measuring approx. 2,000' square. It is the smallest occupied island  
in the PESCADORES Group.

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- I. Airdrome - none.
  - II. Camps, Barracks and Administration - Numerous barracks; four large administrative buildings.
  - III. Supply, Ammunition and Fuel Storage - Two buried fuel storage tanks; Underground storage installation; many misc. storage buildings.
  - IV. Defense - None visible.
  - V. Transportation - Complete road net.
  - VI. Utilities - Two power plants; A possible water purification plant.
  - VII. Communications - One radio installation.
  - VIII. Industry - None.
  - IX. Shipping Facilities - Small harbor with quays. Small shipbuilding yard and large drydock. Three piers.
- C. GYOO Island - GYOO Island is located approx.  $3\frac{1}{2}$  miles W of MAKO Island. Only partial coverage on 24" prints is available over the island. The island is used primarily for defense purposes.
- GYOO Island contains the following military installations: one pier, large fuel and/or munition storage area, small barracks area, two c/d positions, two light A/A guns and searchlight, one heavy A/A installation, and three forts.
- D. KOSEI Island - KOSEI Island lies approx. 4 miles SW of OBSERVATORY Is. The island is used primarily for the defense of the PESCADORES Group. The island contains the following military installations: one probable searchlight battery, two possible c/d guns, a probable underground munitions storage position, a four gun c/d battery, a pier and small village, and probable 4 gun battery (c/d).

#### DETAILED INTERPRETATION

##### A. MAKO Island Airdrome -

68 - A second class landing field is located on the SW end of MAKO Island and  $2\frac{1}{2}$  miles S of OBSERVATORY Island. This field is referred to on maps and ground reports as CHOMOSUI or CHIYBOSUI. The landing field is roughly rectangular in shape being narrower at one end than at the other. The landing area measures roughly 3,600' x 1,500', the long dimension running NE and SW. The surface appears to be hard packed. There are no runways visible.

Buildings: Seven (7) buildings, barracks, and administration averaging 130' x 30' are located on the NW edge of the landing area near the NE end. One (1) probable storage building, 150' x 30', is located on the NW edge of the landing area. Two (2) probable repair shops, one measuring 55' x 55', and one measuring 70' x 70' are located near the hangar. One (1) revetted fuel storage building 100' x 30' is located 650' NW of the NW edge of the landing area. Eight (8) U-shaped revetments, openings 70' wide, are dispersed around the landing area and its edges. One (1) revetted fuel or munition storage building 50' x 30' is located on the SE side of the field. A small probable underground storage installation is located 750' NE of the landing area.

Activity: On mission 11/6 C, one medium a/c and eight small a/c are visible. On mission 12/8 C, eight medium a/c are visible.

27 - What appears to have been at one time an "L" shaped landing field is located on MAKO Island 5,500' E of OBSERVATORY Island. This field is believed to be the one sometimes referred to as KIEMO U, although some maps locate it erroneously, approx. one mile NE of this site. The area is now used only as a parade ground, and a fuel storage (see paragraph 24) depot and consists of two graded areas, one measuring 1540' x 1050', and one 550' x 770'. The latter area is now a parade ground. In conjunction with the barracks area (26) the two areas are separated by the storage area. One hangar 85' x 100' is located at the N end of the parade ground.

##### Camps, Barracks and Administration -

2 - A barracks area and parade ground, 430' x 700', are located about 3,000' N of the boat basins. The area consists of the following: two (2) barracks buildings, 290' x 40'. One (1) barracks building, 315' x 40', six (6) misc. buildings, averaging 50' x 30'.

3 - A large barracks and administration area, approx. 1000' square,

is located on the N edge of town. The area contains the following: Sixty (60) barracks av. 60' x 35', six (6) admin. bldgs av. 120' x 40', fifteen (15) storage-type bldgs av. 60' x 30'.

4 - A poss. weather station is located on the W edge of the island just N of the storage area (5).

7 - An old abandoned fort, 350' sq., is located on a point of the island SW of the town. The fort contains six (6) bldgs, av. 150' x 30'.

8 - A barracks and storage area is located E of the fort (7). The area contains the following: Two (2) storage-type bldgs 80' x 30', fourteen (14) barracks-type buildings av. 85' x 20', six (6) storage-type bldgs 85' x 30', on the W end of the area, two (2) piers, 55' long.

10 - A small military barracks area 280' sq. is located approx. 500' N of the piers (9). The area contains 7 administration bldgs av. 80' x 35', ten (10) permanent-type barracks av. 25' x 35' are located just E of the admin. area (10).

16 - A small military barracks area 430' x 250' is located approx. 2500' NE of the boat basin (12). The area contains 7 barracks bldgs av. 80' x 40'. The bldgs are connected by covered walkways.

26 - A large barracks area 900' x 700' is located on the W edge of the parade ground (27). The area contains the following: Ten (10) barracks bldgs, 55' x 30'; four (4) barracks bldgs, 150' x 30'; twelve (12) barracks bldgs av. 90' x 30'; one (1) admin. bldg 70' x 35'; four (4) barracks bldgs approx. 50' x 30'; four (4) misc. bldgs av. 55' x 30'.

#### SUPPLY, AMMUNITION AND FUEL STORAGE:

1 - A revetted munition storage installation is located on the NW end of the island, 3600' N of the N edge of OBSERVATORY ISLAND. (This installation consists of heavily revetted small bldgs)

5 - A large warehouse and storage area, approx. 700' x 350', is located along the W edge of the town. The area contains the following: Two (2) warehouses 280' x 45'; two (2) warehouses 185' x 30'; one (1) storage-type bldg 200' x 30'; fourteen (14) storage and misc. bldgs av. 85' x 30'.

17 - A large fuel or munition storage area is located 7000' NNE of OBSERVATORY ISLAND. The installation is located in a low hilly section 900' sq. The area is protected by heavy earthen revetments.

What appears to be a temple or shrine is located just E of this storage installation.

An unidentified installation, overall size 700' x 550' is located just E of the shrine. The installation is located on a small hill. On the crest of the hill is a tall pole with a low hanging wall extending on either side from the pole. Six bldgs av. 85' x 20' are dispersed throughout the area. These may be storage bldgs.

18 - A probable underground small munitions storage installation 50' sq. is located 3500' E of the storage installation (17).

20 - A water treatment plant covering an area 400' x 160' is located about one mile E of the N tip of OBSERVATORY ISLAND. The area is entirely surrounded by The area consists of the following: Three partially buried tanks with a diameter of 30'. One buried tank with a diameter of 50'. Three misc. buildings averaging 40' x 30'. The pumping station for this plant is located one mile ESE.

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Two revetted barracks-type bldgs 85' x 35' are located about 400' SE of the treatment plant.

19 - A small warehouse and storage area is located about 2 miles E of OBSERVATORY ISLAND. The area consists of the following: One (1) warehouse, 240' x 45'; three (3) storage bldgs, 200' x 40'; three (3) small misc. bldgs av. 30' x 40'.

24 - A large underground fuel storage area is located at the S end of the old airfield (27). E of OBSERVATORY ISLAND. Three (3) large buried fuel storage tanks 240' in diam. are located at the junction of the two graded areas. (27). Probable pipe lines are visible leading from the fuel storage tanks to a heavily revetted area 750' SW of the tanks. A revetted area located adjacent to contains three probable fuel storage buildings, two measuring 190' x 40', and one measuring 112' x 35'. Two revetted probable fuel storage buildings, one measuring 70' x 40', and one measuring 40' x 30', are located 275' W of the fuel tanks and on the E edge of the parade grounds (27).

25 - A fuel storage area is located SW of the parade ground (27) and on the shore of BAKO BAY. The area consists of the following: Two (2) revetted fuel storage buildings, 195' x 40'; Three (3) revetted buildings, av. 70' x 30'; one (1) misc. building, 70' x 40'; one (1) oil hangar-type building probably now used for storage, 100' x 90'; one (1) heavily revetted fuel storage building 70' x 40'; one (1) heavily revetted fuel storage building 150' x 70'; three (3) partially buried and camouflaged fuel storage tanks 75' in diam.; one (1) pier 350' long, used for fueling of ships.

28 - Five (5) warehouse-type buildings av. 100' x 20' are located near the S edge of a small village 1200' NNE of the barracks area (26).

44 - A large fuel or munition storage area 1400' x 1150' is located approx. 3000' N of the airdrome (68). The area consists of the following: Two (2) revetted storage buildings 170' x 30'; twelve (12) revetted storage buildings av. 70' x 80'; six (6) underground storage installations. A pier 470' long is located W of the area.

59 - A large partially underground fuel or munition storage area, very irregular in shape lies approx. 3 miles E of OBSERVATORY IS. The following installations are visible in the area: four (4) warehouse-type buildings 140' x 25' and three storage buildings av. 50' x 25' are located on the W side of the area; six (6) storage-type buildings av. 50' x 25' are located in the SW corner of the area. The buildings are protected on all sides by steep sides of a ravine. One apparently empty revetment 100' x 140' is located on the W side of the area. Three probable underground storage positions are located in the center of the area. An underground storage position is located in the hill in the N end of area. Three underground storage positions are located in the E side of the area. Five storage buildings av. 55' x 36' are located in the same area. An underground storage position is in a hill on the W side of area. A storage installation is located approx. 7000' W of the A/D. The area contains 1 storage-type building 150' x 20'; 2 buildings 40' x 20'; and 2 buildings 20' x 20'. A pier (48) 320' long is located 800' N of the area.

DEFENSES

6 - An occupied 4 gun medium a/d battery is located just N of the old fort (7).

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- 23 - An occupied 3 gun light AA battery is located 1500' SE of the fuel storage tanks.
- 58 - An occupied 4 gun heavy AA battery is located about 1.8 miles N of OBSERVATORY IS.
- 60 - An occupied 2 gun light AA battery is located on the extreme NE end of the island. Two probable searchlights, command post and two crew quarters, one measuring 100' x 50', and the other 60' x 30' are located in the same area.
- 61 - A possible 4 gun light AA battery is located on the NE end of the island.
- 62 - An occupied 4 gun medium c/d battery is located on the extreme E end of the island approx. 3 $\frac{1}{2}$  miles E of the storage area (59).
- 63 - Two probable 4 gun light c/d batteries are located near the AA position. (64) A probable quarters crew, 80' x 30', and a small building 25' sq. are located nearby.
- 64 - A 4 place occupied light AA battery is located on the S coast of the island, 6400' SE of the storage area (59). One probable searchlight position, two crew quarters, 80' x 30', and 3 small misc. buildings are included in the installation.
- 67 - A 4 gun occupied medium c/d battery is located 3200' SE of the radio station (66). An unoccupied 4 place medium c/d battery is located 4800' SE of the radio installation.
- 71 - An occupied 4 gun heavy c/d battery is located 8500' WNW of the A/D. A 4 gun occupied light c/d battery is located 9000' WNW of the A/D (68). Three revetted ammunition storage buildings av. 60' x 30' are located near the heavy c/d battery. One probable searchlight and a small group of 4 buildings, probably crew quarters, av. 30' x 20' are in the same area.

UTILITIES

14 - A small power plant is located approx. 1100' N of the boat basin (12). Large piles coal nearby indicate that coal is the source of power. Evidence of a water intake pipe leading to the power plant is visible in the bay. The power house measures 70' x 70' and has a tall smoke stack.

15 - A probable water storage tank and tower is located near the barracks area (16).

COMMUNICATIONS

21 - A radio station is located 900' SE of the fuel storage installations (20). The installation contains two large radio towers and two small radio masts, an admin. building 145' x 45' and 2 misc. buildings av. 35' x 45'.

66 - A radio station is located 1300 yards ENE of the A/D (68) and on the S end of MAKO ISLAND. Three radio masts are visible set in a triangular pattern. The installation also contains one administration building 120' x 30' & one probable generator house.

69 - A possible radar installation is located within a revetment 1400' SW of the A/D (68). Evidence of underground installation of some kind is visible near the revetment.

SHIPPING FACILITIES

11 - One warehouse, 145' x 35', is located on the quay SW of the boat basin (12).

12 - A boat basin is located on the SE edge of the town. The basin measures 850' x 360'. An L-shaped mole 70' wide forms the basin. Three buildings, probably warehouses and storage buildings, and a small coal yard are located along the quay along the NW side of the boat basin. One building measures 170' x 70', one measures 85' sq., and one measures 70' x 50'.

13 - A small boatyard, 300' x 190' is located on the NE end of the boat basin. Four earthen slipways are visible. Two shop

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buildings, one measuring 110' x 35', and one measuring 45' x 35'.

9 - Three piers, one measuring 350' long, one measuring 200' long are located along the bay on the S edge of town and approx. 1200' SW of the boat basin (12).

73 - A pier 4000' long is located 3500' W of the radio station. (66). Two other piers are mentioned in paragraphs (25) and (70).

MISCELLANEOUS

65 - An unidentified installation consisting of five small revetted buildings, a small tower, and a small square water tank, 50' x 50', is located 5000' N of the radio station (66). An installation consisting of six small buildings, 20' x 30' spaced 300' apart and set in a rectangular pattern, is located approx. 1000' of the unidentified installation. These buildings are apparently part of the unidentified installation.

OBSERVATORY ISLAND:

CAMPS, BARRACKS AND ADMINISTRATION:

32 - A large barracks and administration area approx. 300' x 900' is located on the N side of the island. The area consists of 20 barracks buildings, av. 110' x 35'; and 4 U-shaped admin. bldgs av. 120' x 35'.

Five barracks buildings are located on the E end of the island near the causeway an unidentified group of 5 buildings av. 45' x 25' are located on the S end of the barracks.

Five barracks buildings 95' x 30' are located on the W edge of the island between 2 of the 300' piers.

A large shop and administration area 1000' x 450' is located on the N side of the inner harbor. The area contains the following: One (1) U-shaped administration building, 90' x 30'; one (1) administration building, 180' x 45'; one (1) multi-story administration building, 110' x 55'; three (3) administration buildings, av. 110' x 45'; one (1) U-shaped administration building, containing 5000 sq. feet of floor space.

A motor pool, with approx. 30 vehicles, is located at the E end of the admin. area. One (1) probable storage building 100' x 50' is located in the same area. Numerous other small buildings av. 40' x 30' are located within the large admin. area. Seven (7) small unidentified buildings av. 40' x 30' are located near the W terminal of the causeway. A small group of three unidentified buildings are located on top of a hill E of the drydock.

SUPPLY, AMMUNITION AND FUEL STORAGE:

30 - Two partially buried fuel storage tanks, one measuring 58' in diam. and one measuring 40' in diam. are located 475' E of the revetted area. The storage tanks are located on a hill.

31 - Two heavily revetted fuel or munition storage buildings are located just E of the administration buildings. One building measures 110' x 35', and one measures 25' x 30'. An unidentified building 55' x 20', with a tower on one end is located just E of the revetted area.

34 - A possible underground storage installation is located in the ridge opposite the barracks on the W side of the island.

38 - A large storage area 830' x 700' is located NE of the S end of the island. S of the inner harbor. The area consists of the following: Five buildings probably storage, 110' x 45', located on the E edge of the area. A small coal pile lies near one of the buildings.

A large underground storage installation is located in the center of the area. A large building probably storage, 300' x 70' is located just S of the above installations. An unidentified building, 70' x 70' is located in the same area. A small group of 4 unidentified buildings av. 60' x 30' are located on a hill just W of the underground storage installations. Seven misc. buildings av. 55' x 30' probably shops and storage buildings are located along the S bank of the inner harbor. A large unidentified ramp 165' x 80' extends into the inner harbor from the S bank. Four misc. buildings, probably storage, av. 75' x 50' are located along the W side of the island S of the inner harbor.

42 - Nine buildings probably storage av. 85' x 50' are located along the SE edge of the island adjacent to the shipbuilding yard. Much loose stores are located in the area around the buildings.

#### UTILITIES

33 - A power plant, apparently inactive, is located on the S end of the island near the piers. The installation consists of 3 buildings, one measuring 55' x 40', with a tall stack adjacent to its N end; one building measuring 90' x 45'; one building measuring 45' x 55'.

41 - A possible water purification plant is located near the drydocks on the edge of the inner harbor. The installation consists of two buildings 40' x 40', a tall smoke stack, and a building 140' x 35'. Evidence of coal being used as a source of power is visible near the plant.

#### COMMUNICATIONS:

36 - Two radio towers 180' apart are visible on the S edge of the inner harbor. A probable small communications building, 60' x 50' is located near the 2 towers.

#### SHIPPING FACILITIES:

29 - A drydock, 420' x 80' is located on the E edge of the inner harbor (37). A 300' probable merchant vessel is under construction in the drydocks. 6 small buildings probably shops, av. 55' x 85' are located on NW edge of the drydock. Ten buildings ranging in size from 125' x 50' to 40' x 20', are located in the same area as the power plant E of the drydock. These buildings are probably fabricating shops and storage buildings in connection to ship building and repair.

35 - Three piers 300' long are located on the W side of the island.

37 - A small harbor approx. 1000' long and 500' wide is located in the center of the island with the harbor mouth on the W end of the island. There are 3 small piers 70' long located inside the harbor.

39 - A large coaling point 700' x 375' containing large quantities of coal is located on the S end of the island, two buildings, probably storage, 100' x 30' and located at the E end of the coaling point. One large floating crane and many lighters are anchored S of the coaling point.

40 - A small shipbuilding yard 500' x 350' is located on the E end of the inner harbor. The area consists of the following: One (1) slipway, extending 80' into the inner harbor; one (1) probable shop, 210' x 40'; one (1) probable shop 180' x 50'; one (1) probable shop 100' x 55'; eight (8) misc. buildings av. 80' x 35'.

#### C. GYOO ISLAND

46 - An abandoned fort is located 2800' NW of the storage area (51)

47 - A possible 4 gun c/d battery is located on the extreme SW end of the island. Only 6" coverage is available over this area.

- 48 - What appears to be an old fort is located on the W end of the island. Only 6" coverage is available over this area.
- 49 - One 4-gun C/D battery is located S of the storage area (51). What appears to be a medium 4-gun C/D battery is located E of the heavy C/D battery. A light A/A battery, a searchlight and a command post are located between the 2 C/D batteries.
- 50 - An inactive fort is located 1400' SSE of the storage area.
- 51 - A large storage area, fuel or munition, is located on the SE end of the island. The installation contains the following:
- 22 storage bldgs averaging 70' x 30'. Most of these bldgs are revetted in the hillside.
  - 4 barracks bldgs 170' x 30' are located in the above storage area.
- A pier curved at the end measuring 580' long is located on the SE end of the island adjacent to the storage post.
- An occupied 4-gun heavy A/A battery is located on the extreme N end of the island. The installation contains in addition to the 4-guns a command post, revetted ammunition storage, and crew quarters consisting of 2 buildings averaging 65' x 30'. This installation is not shown on either annotated print.

#### D. KOSEI ISLAND

- 52 - What appears to be a four gun heavy C/D battery is located on the extreme W end of the island. A detailed interpretation of this area cannot be made because of 6" coverage only.
- 53 - A pier 580' long is located near the W end of the island along the N coast. A small village is in the vicinity.
- 54 - An unidentified installation consisting of two bldgs 45' x 30', and two small positions which may be coastal defense guns, are located in the center of the E half of the island.
- 55 - A four gun occupied medium C/D battery, each with an underground munition storage is located in the center of the S coast of the island.
- 56 - A probable underground munition storage installation is located in the center portion of the island near the S coast.
- 57 - A probable searchlight battery of two searchlights and a generator house is located on the extreme W end of the island.

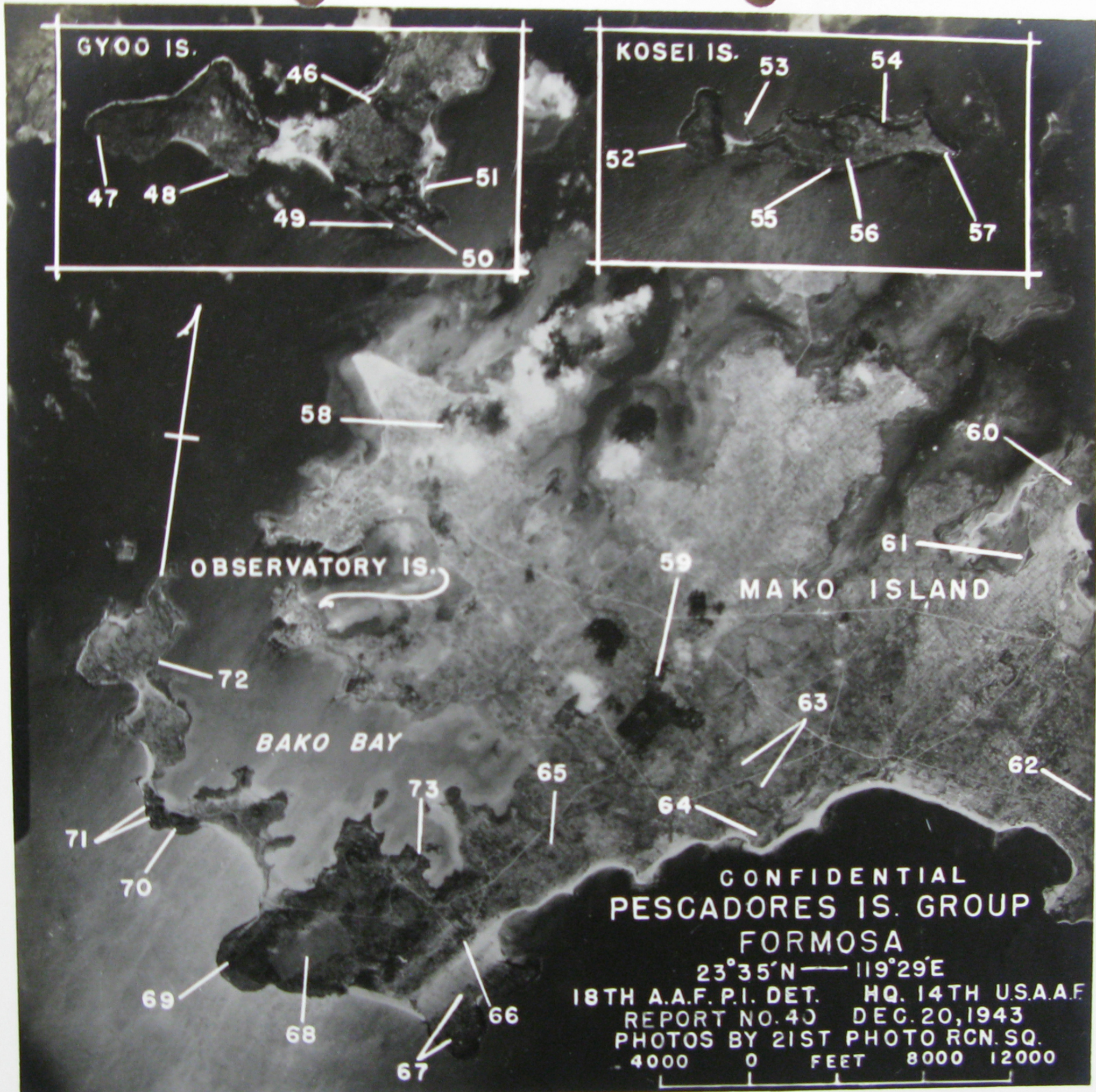
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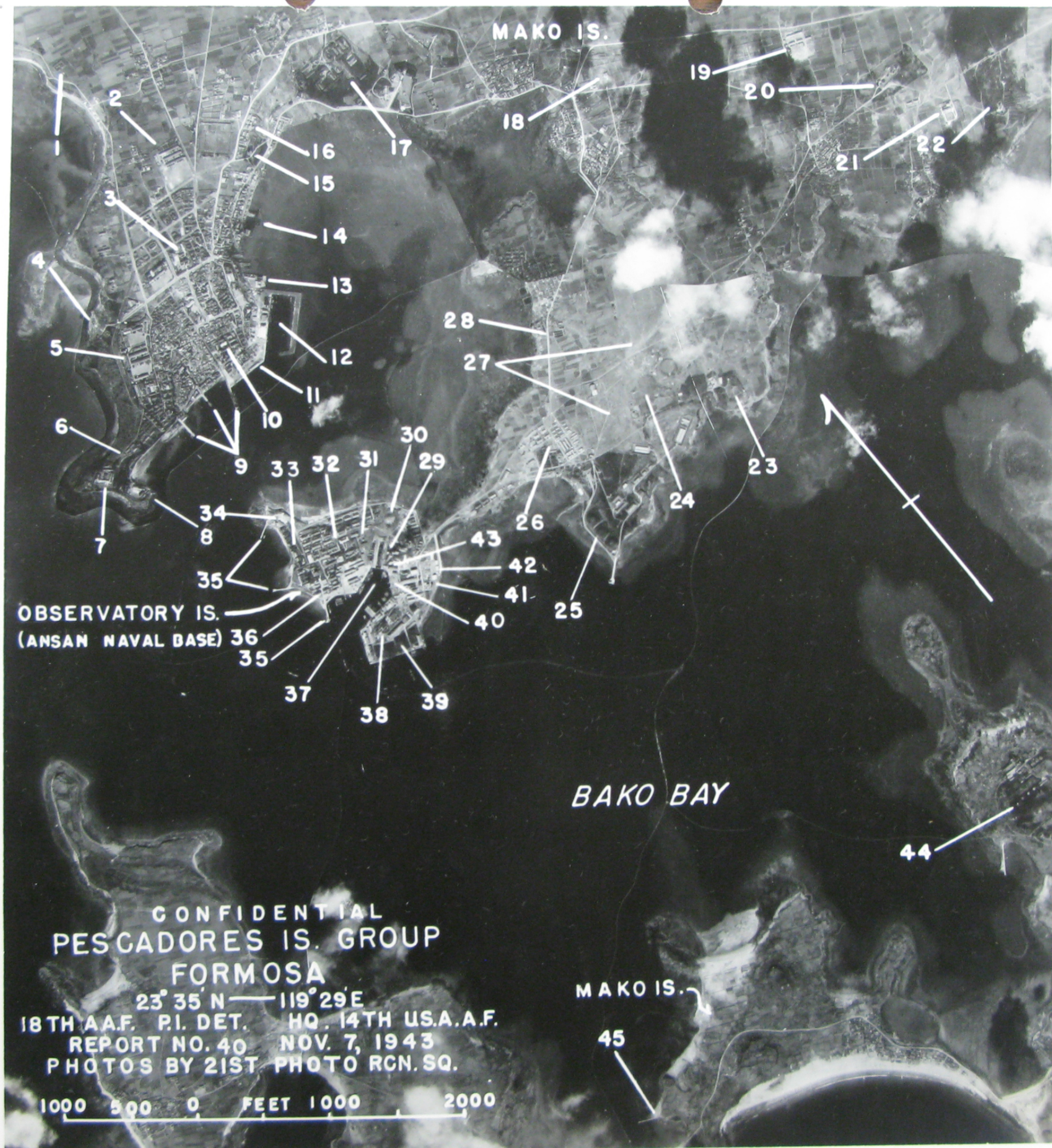
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MAKO IS.

OBSERVATORY IS.  
(ANSAN NAVAL BASE)

BAKO BAY

MAKO IS.

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FORMOSA

23° 35' N — 119° 29' E  
18TH AAF. P.I. DET. HQ. 14TH U.S.A.F.  
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