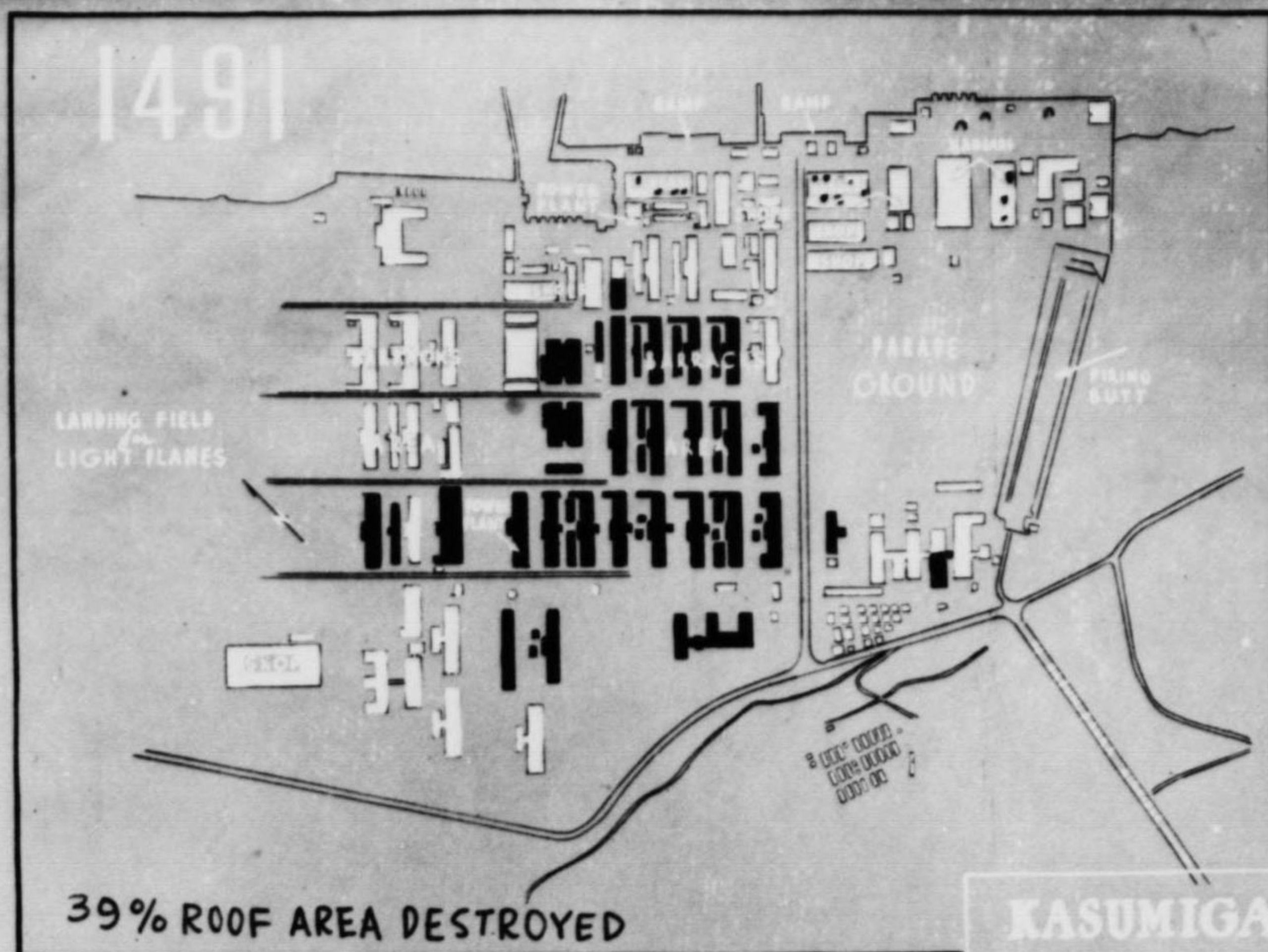


III a (17)

KASUMIGAURA NAVAL AIR STATION

30



**KASUMIGAURA**  
SEAPLANE BASE

MISSION NO	195 199			
DAMAGE	(39.5%)			
WINGS	58			
DATE	10 JUNE '45			
DAY/NIGHT	DAY			
BOMB TYPE	G.P.			
AV. LOAD	11,910			
A/C AIRBORNE	29			
A/C BOMB. P.T.	23			
TONS ON P.T.	123.3			
ALTITUDE	17,700-20,100			
BOMB. METH.	7V-16 R			
CLAIMS	0-4-8			
LOSSES	0			

M-64,500 #  
 1/100 DELAY NOSE  
 NOW DELAY TAIL

(CONFIDENTIAL)

NCT TO BE TAKEN  
INTO THE AIR ON  
COMBAT MISSIONS

TARGET: 90.14-1491

OBJECTIVE AREA: 90.14-MITO

---

T A R G E T   I N F O R M A T I O N   S H E E T

---

TARGET 90.14-1491

KASUMIGAURA NAVAL AIR STATION (SEAPLANE BASE)

Latitude: 36° 03' N  
Longitude: 140° 14' E  
Elevation: Less than 50 ft.

1. LOCATION AND IDENTIFICATION: The target is located  $2\frac{1}{4}$  miles southeast of Tsuchiura, about one mile northeast of Kasumigaura Naval Air Station (Target 90.14-1466) and on the shore of Kasumigaura Lake. The seaplane station has an irregularly shaped apron bordering the lake in front of the hangars. The apron extends along the lake shore about 1900 ft. Three ramps extend into the water in front of the seaplane hangars.

2. TARGET DESCRIPTION: The target occupies an area irregular in shape covering approximately 1900 ft. northeast to southwest and 2200 ft. northwest to southeast. There is about 697,200 sq. ft. of roof area.

The northeastern section of the target area contains shops, four triple hangars and one double hangar; the northwestern section has extensive barracks. Warehouses are located in the southeastern portion of the target area and what might be a school in the southeastern section.

3. IMPORTANCE: A permanent station devoted to training. It also has a seaplane base. This target is considered integral with the Kasumigaura Naval Air Station (Target 90.17-1466) which has facilities for flight training, maintenance, major repair and overhaul of aircraft and engines.

9 September 1945.

TARGET SECTION, A-2  
TWENTIETH AIR FORCE

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3PR 5M193 XX1BC 4R 5-7 F/40 32500 RECT



30 ↓  
3PR 5M193 XX1BC 4R 5-7 F/40 32500 REST



3PR 5M193 XX1BC 4R 5-7 F/40 32500 REST



SPR 5M193 XX1BC 4R 5-7 F/40 32500 REST



3PR 5M193 XX13C 4R 5-7 F/40 32500 REST





3PR 5M193 XX1BC 4L 5-7 F/-40 32500 REST

142

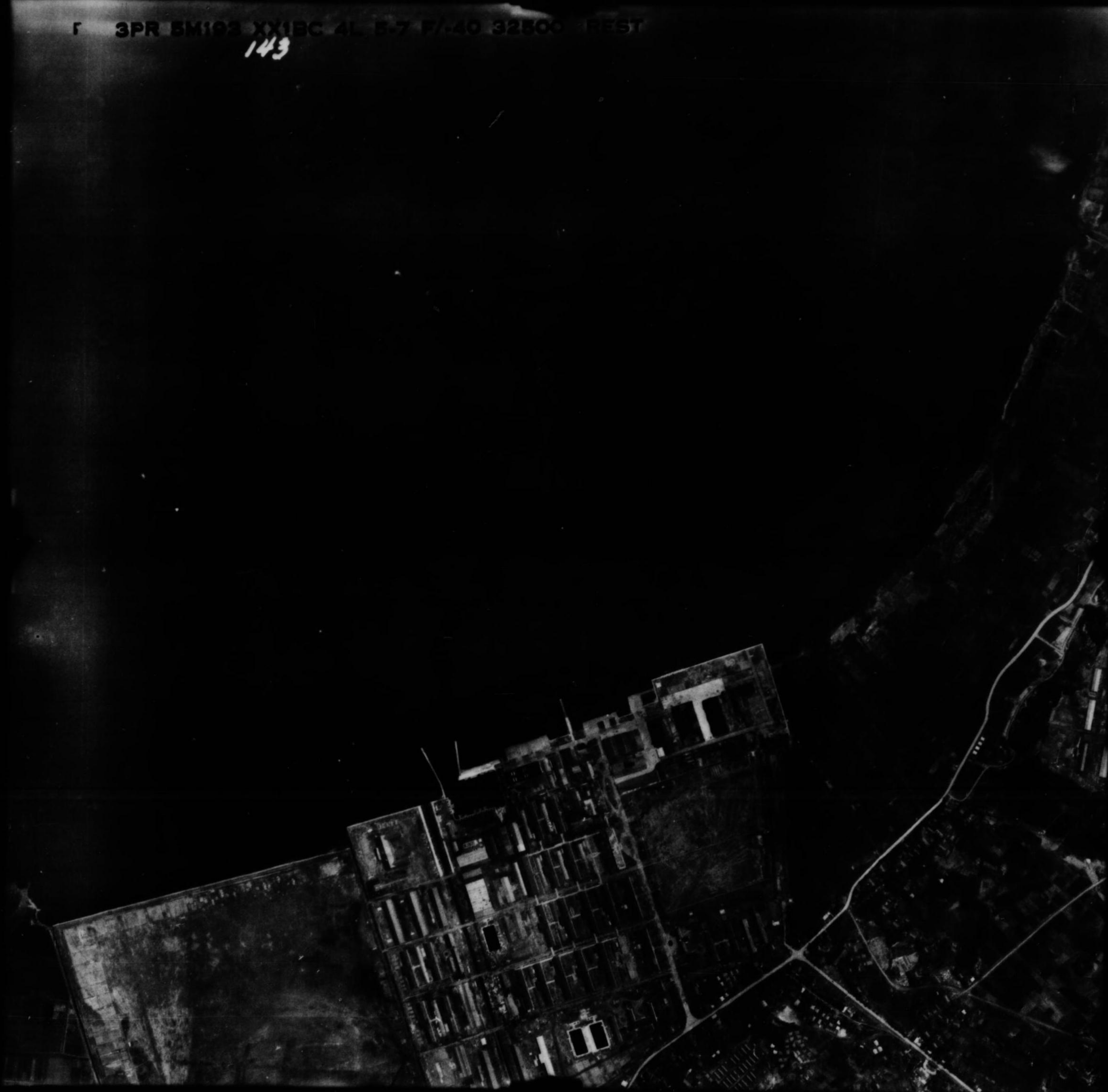


1798 EASTMAN REGULAR SALLY

1799 EASTMAN REGULAR SALLY

F 3PR 5M193 XX1BC 4L 5-7 F/-40 32500 FEET

143

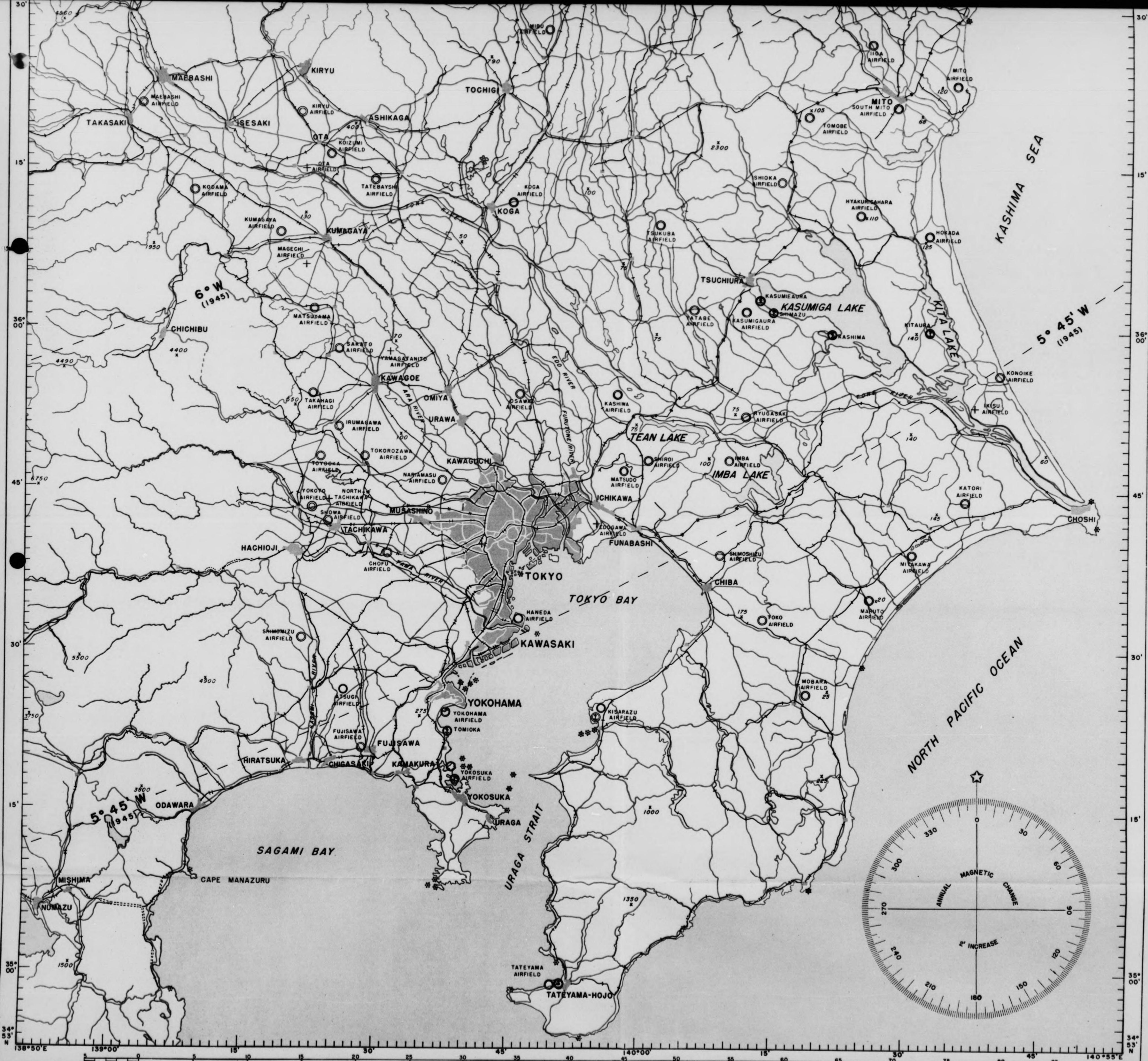


4802 EASTMAN KODAK SAFETY FILM

4802 EASTMAN KODAK SAFETY FILM

4802 EASTMAN KODAK SAFETY FILM

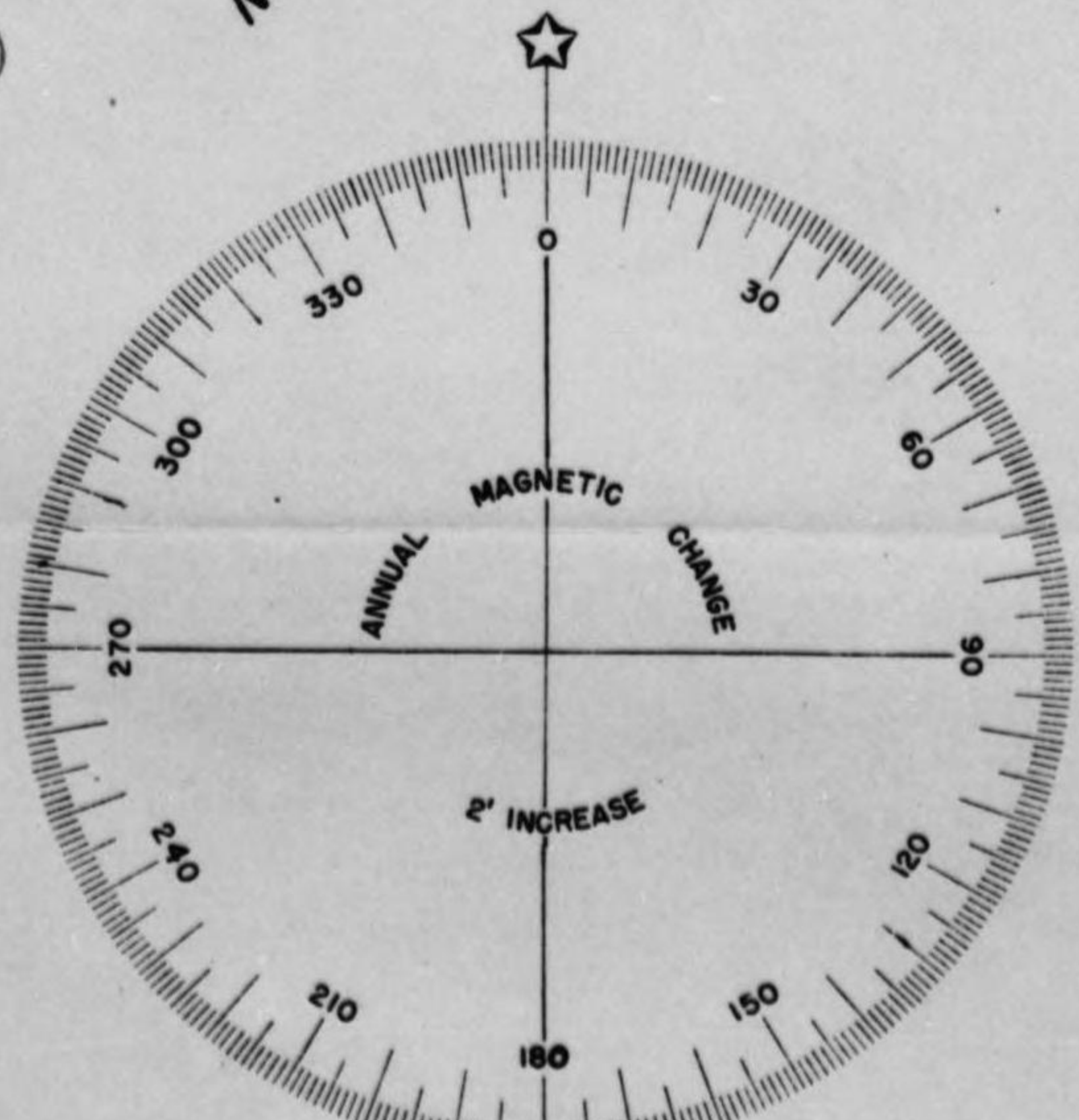


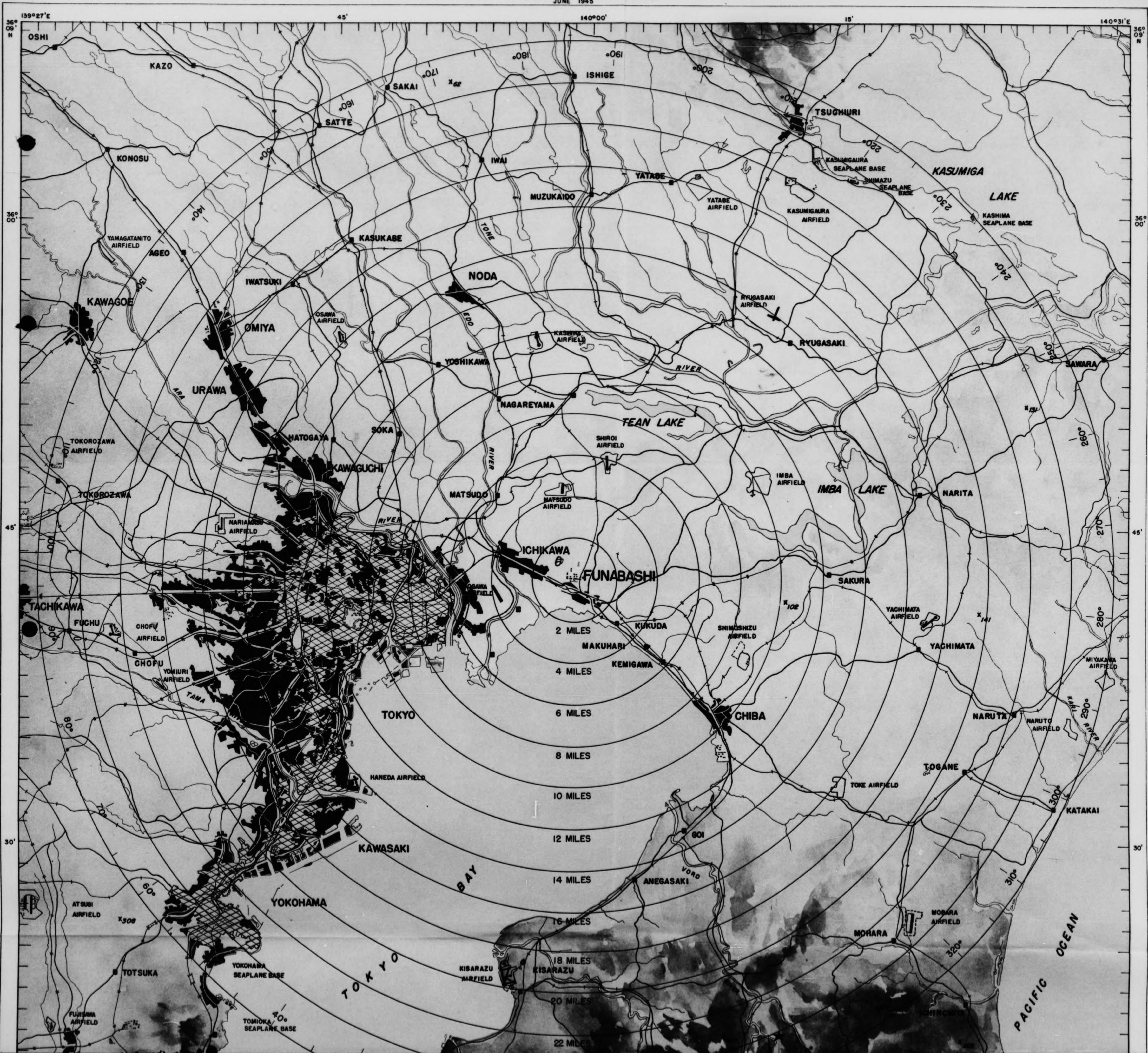


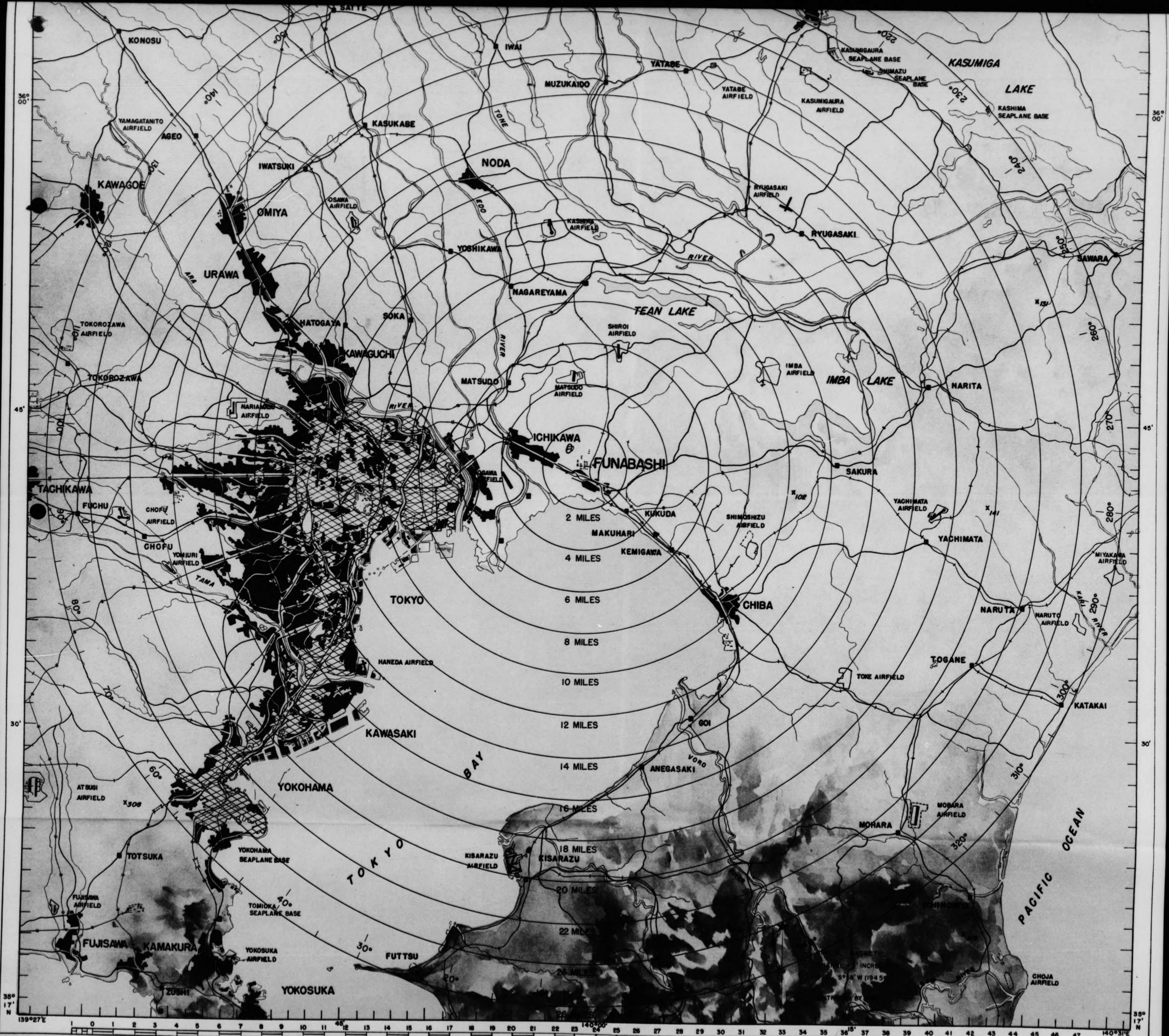
6° W  
(1945)

5° 45' W  
(1945)

NORTH PACIFIC OCEAN







00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15



**KASUMIGAURA AREA**  
**KASUMIGAURA NAVAL AIR STATION**  
 TARGET NO. 9014-1466  
 36°02'N - 140°12'E  
 APRIL 1945

MAG DEC  
 6° 00' W  
 ANNUAL  
 CHANGE  
 2' INC.

A-2 SECTION  
 XXI BOMBER COMMAND  
 3D PHOTO FROM 50 PHOTOS  
 20 MARCH 1945  
 PREPARED BY 949TH ENGR AVN TOPO CO



**KASUMIGAURA SEAPLANE STATION**  
 36°03'N - 140°14'E

147

1466

1467

**KASUMIGAURA AREA**  
**KASUMIGAURA NAVAL AIR STATION**  
TARGET NO. 90.14-1466  
36°02'N - 140°12'E  
APRIL 1945

A-2 SECTION  
XXI BOMBER COMMAND  
3D PHOTO RCN SQ PHOTOS  
20 MARCH 1945  
PREPARED BY 949TH INGR AVN TOPO CO

MAG. DEC  
6° 00' W  
ANNUAL  
CHANGE  
2' INC



1474

1466

**KASUMIGAURA SEAPLANE STATION**  
36°03'N - 140°14'E

2' N





3 PRS M90-3L77

20AF

RESTRICTED



SPRS M40-3L 47

20AF

RESTRICTED



3 PRS M 90-3L-46

20AF

RESTRICTED



3PR 5M 355-2



3PK 5M 355-2



31K 5M 355-2

72



SPR5M 90-2 43

IXI BC

RESTRICTED



10057190-2: 42

KMBC

RESTRICTED





CONFIDENTIAL

C. I. U.  
XXI BOMBER COMMAND  
APO 234, c/o POSTMASTER  
SAN FRANCISCO, CALIFORNIA

(Combined PI Sections: 3rd Photo Recon Squadron and 35th Photo Tech Unit)

25 June 1945

DAMAGE ASSESSMENT REPORT NO. 103

90.14-1491  
KISUMIGIURA SEAPLANE STATION  
(36/03 N--140/14 E)

Mission No.: 3TR5M 296

Target Area: Mito (90.14)

Date Flown: 23 June 1945

Airplane Commander: R. E. Hickethe  
1st Lt., AC

SUMMARY

About 39.5 percent or 275,300 sq. ft. of the total roof area in Target 1491 was destroyed by XXI Bomber Command Missions 195 and 199 on 10 June 1945.

Approximately 199,100 sq. ft. of damage (or about 28.3 percent of the total roof area) is in the barracks area (area D on the attached print). Remaining damage is distributed over the whole target.

Small unnumbered buildings between destroyed/damaged barracks are not included in the estimate of total damage.

Building 33, which covered about 8,200 sq. ft., was removed before the strike.

Another small building in area D is being removed.

The total roof area of numbered buildings is about 697,200 sq. ft.

The areas outlined on the accompanying photo are listed as follows:

Area A: hangar area.  
Area B: barracks area.  
Area C: warehouse area.  
Area D: probable school.

STATISTICAL SUMMARY OF DAMAGE

<u>Damage from current strike:</u>	<u>square feet of roof</u>	<u>percent of original roof area</u>
Destroyed	211,100	30.3
Structural damage	29,800	4.3
Superficial:		
Gutted	15,800	2.2
Minor roof damage	18,600	2.7
Total damage	275,300	39.5

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TERMINATION OF DAMAGE

Number	Roof area	Destroyed	Structural	DAMAGE IN SQUARE FEET			Total	Percent of roof	Function of building; comment
				Gutted	Minor	SUBSTANTIAL			
A-1	10,500								Shop
2	3,450								Unidentified
3	3,500								Shop
4	7,000		6,100			6,100	37		Shop
5	1,750								Lower plant
6	9,690								Warehouse
7	13,100				5,300	5,300	33		Triple hangar
8	3,100								Unidentified
9	4,950								Administration
10	2,500								Unidentified
11	12,000								Warehouse
12	13,300								shop
13	26,000			10,400		10,400	35		Triple hangar
14	11,250			2,100		2,100	19		Double hangar
15	27,000				3,900	3,900	37		Triple hangar
16	17,200				900	900	5		"
17	10,300								Administration
B-1	17,500								Probable mess hall
2	15,400								Barracks
3	15,400								"
4	12,700								Warehouse
5	3,200								Barracks
6	3,200								"
7	3,300		1,600			1,600	19		"
8	3,200	3,200				3,200	100		"
9	3,200								"
10	19,300		19,300			19,300	100		Warehouse
11	6,000	2,700				6,000	100		Tower Plant
12	3,200			3,300		3,200	100		Barracks
13	3,200								"
14	3,200								"
15	3,200								"
16	3,200								"
17	3,200								"
18	11,000	11,000				11,000	100		"

Report 103, cont'd

ESTIMATION OF DAMAGE TO SUPPLEMENTAL  
DAMAGE IN SOUTH AREA

Number	Roof Area	Destroyed	Structural	SUPPLEMENTAL		Total	Percent of roof	Function of building; comment
				Gutted	Minor			
19	4,000	4,000				4,000	100	Unidentified
20	13,600	13,600				13,600	100	Mess hall
21	3,200	3,200				3,200	100	Barracks
22	3,200	3,200				3,200	100	"
23	3,200	3,200				3,200	100	"
24	3,200	3,200				3,200	100	"
25	11,000	11,000				11,000	100	"
26	4,000							Unidentified
27	4,000							"
28	13,600	13,600				13,600	100	Mess hall
29	12,400	12,400				12,400	100	Barracks
30	3,200	3,200				3,200	100	"
31	3,200	3,200				3,200	100	"
32	3,200	(Previously destroyed or removed)						" removed
33	3,000							Unidentified
34	3,200							Barracks
35	3,200							"
36	3,600							Unidentified
37	6,300							"
C-1	40,500							Shop
2	9,300							Administration
3	3,750							Warehouse
4	4,150							"
5	12,000							"
6	12,000							"
7	9,300	9,300				9,300	100	"
8	12,000							"
9	9,000	9,000				9,000	100	"
10	5,400	5,400				5,400	100	Unidentified
11	7,000	4,300				4,300	62	Administrative
D-1	4,000	4,000				4,000	100	Administrative
2	6,200							Probable school
3	5,600							"
4	7,000	4,200	2,300			7,000	100	"
5	11,300					2,500		"
TOTALS:	206,000	211,100	29,300	15,300	13,600	275,300	22	"

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Damage Assessment Report No. 103, cont'd.

Photography used: Pre-strike 3PR5M90-3L:47  
Post-strike 3PR5M296-4R:9, 10, 11

Inclosures: 1. Enlargement from 3PR5M90-3L:37 (Annotated)  
2. 3PR5M296-4R:10 (Annotated)

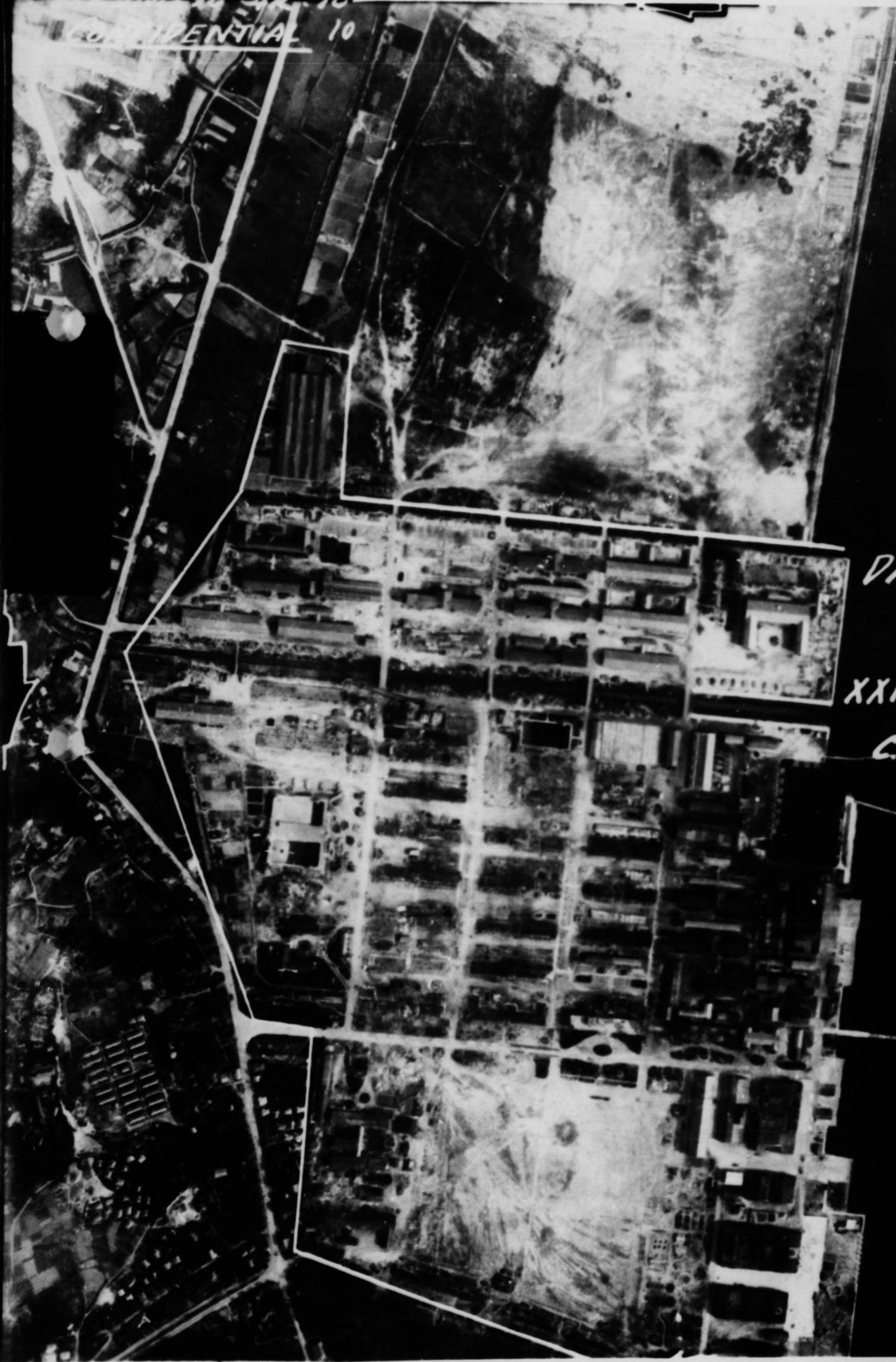
Approved. *Richard C. Bass* Capt. A.C.  
HAMILTON D. DARBY  
MAJOR, AC,

DISTRIBUTION: "D"

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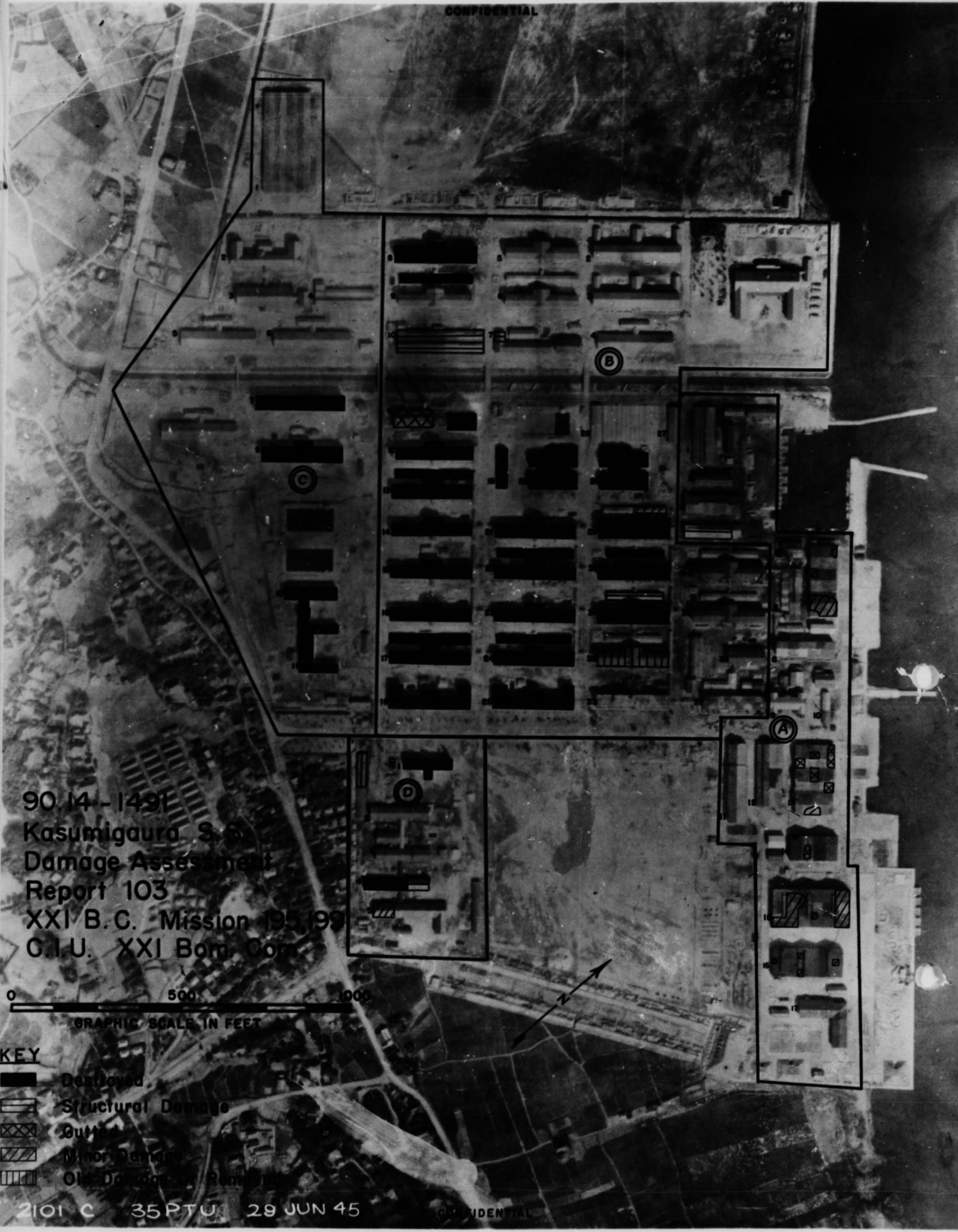
REF ID: A66796-AR-10

CONFIDENTIAL 10



90.14-1491  
KASUMIGAURA S.S.  
DAMAGE ASSESSMENT  
REPORT 103  
XXI. B.C. MISSIONS 195, 199  
C.I.U. - XXI BOM. COM.  
SCALE 1:15,550

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90.14 - 1491  
Kasumigaura, S. S.  
Damage Assessment  
Report 103  
XXI B.C. Mission 195, 199  
C.I.U. XXI Bom. Com.

0 500 1000  
GRAPHIC SCALE IN FEET

KEY

- Destroyed
- ▨ Structural Damage
- ⊗ Gutter
- ▧ Minor Damage
- ▤ Old Foundations Remnants

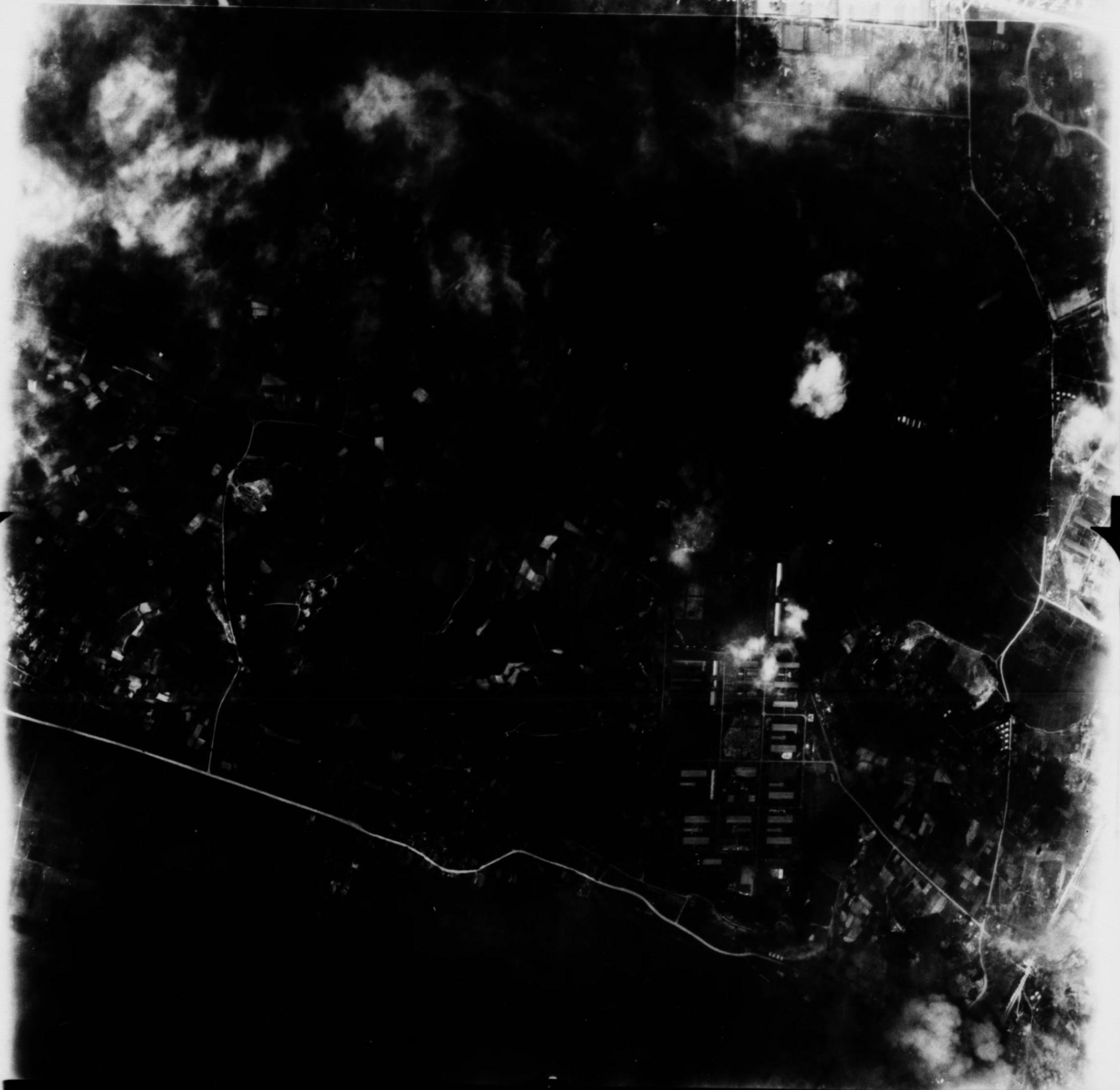
2101 C 35 PTU 29 JUN 45

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SI 80/SM 195-304 V 7/6-10-

Z/24 -19,000/ 36-03 N 140-14 E/KASWIM

12/11/50



2180/5M195-303 V / 6-10-0011 Z / 12-17700 / 36-03N 140-14E / HASWMI GUARA SEAPLANE STA. / 3505 / REST.





21BC/5M195-303 V6 / 6-10-0011 Z / 12-17700 / 36-03N 140-14E / HASWMI GUARA SEAPLANE STA. / 3505 / REST.



3  
2180/5M195-303 V / 6-10-0011 Z / 12-17700 / 36-03N 140-14E / HASWMI GUARA SEAPLANE STA. / 3505 / REST.



21BC/5M195-303 V4/6-10-0011Z/12-17700/36-03N140-14E/HASWMIGUARA SEAPLANE STA. /3505/ REST.

700

710  
710

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710

EXAMINED PHOTOS

111

111

Y15  
PHOTO  
DIAT

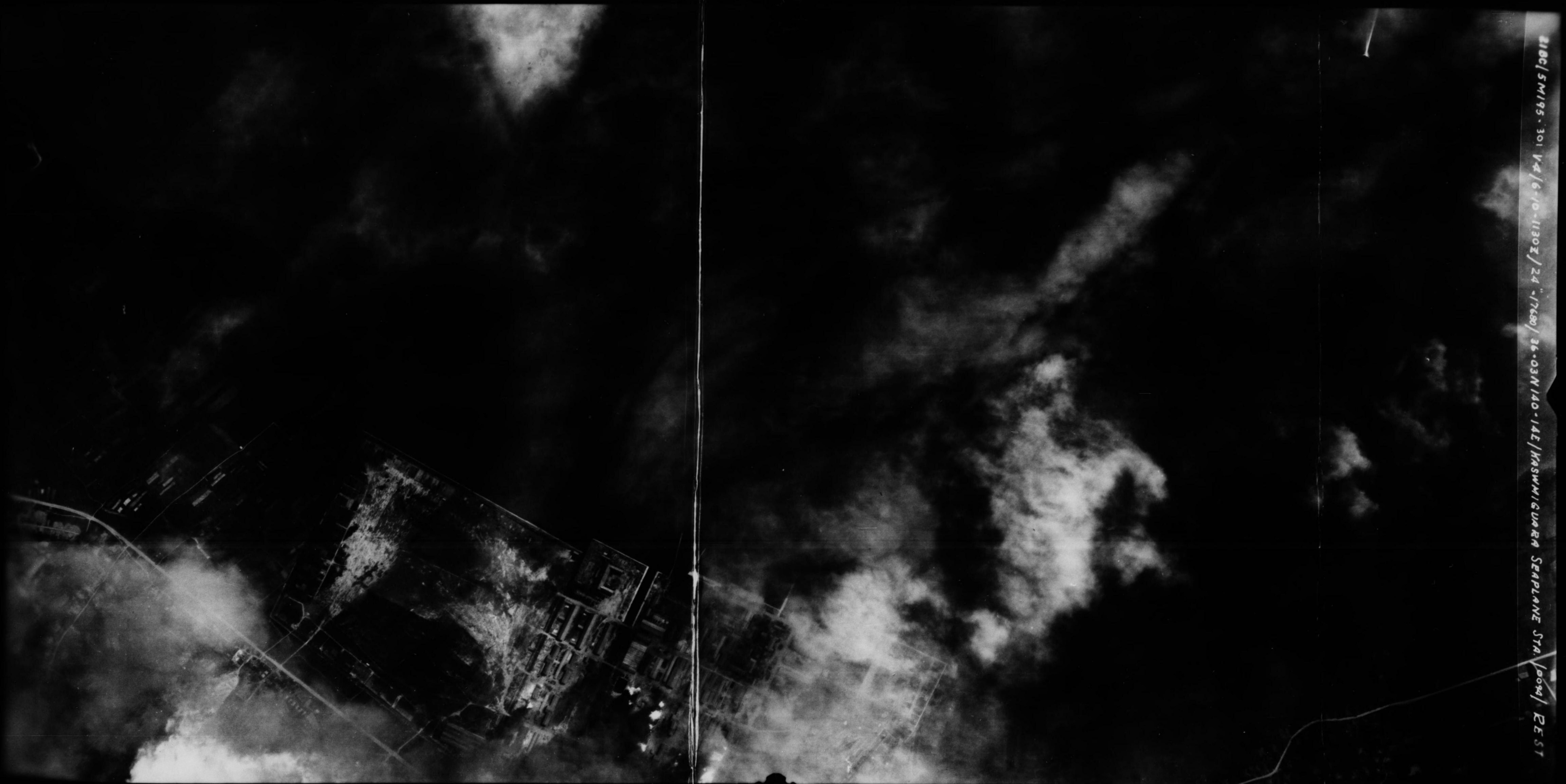
200 30

7716 EASTMAN REGULAR SAFETY

7717 EASTMAN REGULAR SAFETY

7718 EASTMAN REGULAR SAFETY

7719 EASTMAN REGULAR SAFETY



210C/5M195-301 V4/6-10-1130Z/24-17600/36-03N/140-14E/KASWMIQUARA SEAPLANE STA/0004/RE 51

2180/5M195-301 V 5/6-10-1130Z / 24 -17680 / 36-03N 140-14E / MASWIMIGUARA SEAPLANE STA. / 00M / REST.





1307 1308 1309 1310