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PHOTOGRAPHIC INTERPRETATION REPORT



25X1A

MISSION 5140

3 MARCH 1966

NPIC/R-90/66
APRIL 1966

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GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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PREFACE

This summary report contains additional information on "new" and "change" targets and order of battle information on all targets listed in the Index (MI) for this mission.

Items are arranged in sections.

The "New" section provides a description of targets newly identified or known but reported for the first time by NPIC.

The "Change" section provides a description of previously reported installations showing a major change, or those where an analysis of current photography furnishes more precise information.

The "Order of Battle" section provides information on targets where order of battle can be identified.

When there are no "New" or "Change" targets, or order of battle information, the appropriate section is omitted.

"New" and "change" targets are arranged 1) by country, 2) within the country according to subject, 3) within the subject by WAC area, and 4) within the WAC area by geographic coordinates in ascending order. Order of battle information is arranged 1) by subject, 2) within the subject according to country, 3) within the country by WAC area, and 4) within the WAC area by geographic coordinates in ascending order.

The map base used (when available and applicable) for the derivation of coordinates is the latest edition of the US Air Target Chart, Series 200, or AMS Series L509 1:250,000 (China); or ONC; or AMS Series 1301, IMW (Tibet, Western China).

The header line for each target contains, reading from

left to right, the target name, the geographic coordinates, the World Aeronautical Chart number, the Bombing Encyclopedia (BE) number, and the NPIC target number.

The COMOR target number, when available, appears above the photo reference data.

Photo reference data includes frame numbers and symbols denoting limiting conditions, photo interpretability, target coverage, and the mode.

Symbols for limiting conditions affecting photography are C (Clear), SC (Scattered Cloud Cover), HC (Heavy Cloud Cover), H (Haze), CS (Cloud Shadow), S (Snow), O (Obliquity), SD (Semidarkness), GC (Ground Cover), CF (Camouflage), and GR (Ground Resolution).

Interpretability of the photography is categorized as G (Good), F (Fair), or P (Poor). Target coverage is denoted by the symbols T (Total) or PT (Partial). The mode of coverage is indicated by ST (Stereo), NS (Non-Stereo), or PS (Partial Stereo).

When appropriate, an index follows "new" and "change" targets and another follows order of battle information, with targets in each index arranged alphabetically within a country.

AAA defenses are divided into three categories: light (ZPU-1, ZPU-2, ZPU-4, 37 mm), medium (57 mm, 85 mm), and heavy (100 mm and larger). The term HMGAA (heavy machine gun antiaircraft) indicates a weapon smaller than a ZPU-1. Where a category cannot be determined, the site will be listed as an AAA site and the number of guns indicated (example: 6-gun AAA site, occupied/unoccupied).

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THIS SECTION PROVIDES A DESCRIPTION OF NEW TARGETS.

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Target

Coordinates

WAC

Target Numbers

BE

NPIC

-LAOS-

MILITARY INSTALLATIONS

BAN NGAM STRONGPOINT 25X1D
0.2 NM WSW OF BAN NGAM AT UTM [REDACTED]
STRONGPOINT CONSISTS OF 5 BUILDINGS ENCIRCLED
BY A PERSONNEL TRENCH.
[REDACTED]

2011N 10453E 0616

520

-NORTH VIETNAM-

MISSILES

HOA BINH SAM SITE B22-2 25X1D
13.4 NM SSW OF HOA BINH AT 20-38-[REDACTED]
105-13-[REDACTED]E (UTM [REDACTED]).
SITE CONSISTS OF 5 UNREVIEWED LAUNCH POSITIONS
AND A CAMOUFLAGED CENTRAL GUIDANCE AREA.
OB -- 5 PROBABLE MISSILES (1 IN EACH LAUNCH
POSITION), A POSSIBLE CAMOUFLAGED FAN SONG
RADAR AND ASSOCIATED EQUIPMENT, AND 2 PROBABLE
MISSILE TRANSPORTERS.
(SEE ATTACHMENT 1)
COMOR [REDACTED]

2038N 10513E 0616

25X1A

283-C

HANOI SAM SITE B07-2 25X1D
18.4 NM ENE OF HANOI AT UTM [REDACTED]
SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS
AND A REVETTED CENTRAL GUIDANCE AREA.
(SEE ATTACHMENT 2)

2108N 10609E 0616

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	Target	Coordinates	WAC	Target Numbers	
				BE	NPIC
25X1D	25X1A COMOR [REDACTED]				
	MILITARY INSTALLATIONS				
25X1D	DONG SONG MILITARY AREA 1 25X1D 0.5 NM SSE OF DONG SONG AT UTM [REDACTED]. AREA CONSISTS OF 4 BARRACKS-TYPE AND AT LEAST 4 SMALL SUPPORT BUILDINGS.	2053N 10521E	0616		420-H
25X1D	DONG SONG MILITARY AREA 2 25X1D 0.5 NM SSW OF DONG SONG AT UTM [REDACTED]. AREA CONSISTS OF 5 STORAGE AND 7 SMALL ASSOCIATED BUILDINGS AND PERSONNEL TRENCHES.	2053N 10521E	0616		420-I
25X1D	XOM DINH MILITARY INSTALLATION 0.7 NM SE OF XOM DINH ON BOTH SIDES OF ROUTE 67 AT UTM [REDACTED]. AREA CONTAINS 6 BARRACKS, 1 ADMINISTRATION, AND 21 SUPPORT BUILDINGS. A DRIVER TRAINING AREA 0.7 NM SW CONTAINS SMALL ARMS POSITIONS AND NUMEROUS SMALL BUILDINGS.	2058N 10517E	0616		420-F
25X1D	XOM DONG XUONG MILITARY INSTALLATION 1.1 NM EAST OF XOM DONG XUONG AT UTM [REDACTED]. INSTALLATION CONSISTS OF 2 WALLED CAMPS. ONE (AT UTM [REDACTED]) CONTAINS 7 LARGE BARRACKS AND 17 OTHER BUILDINGS. EXTENSIVE TRENCHES ARE THROUGHOUT THE AREA. SECOND CAMP (AT UTM [REDACTED]) CONTAINS 6 BARRACKS AND AT LEAST 3 OTHER BUILDINGS.	2059N 10516E	0616		420-G

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>HANOI PROBABLE MILITARY AREA 2.9 NM NW OF HANOI RAILROAD CLASSIFICATION YARDS. INSTALLATION CONSISTS OF 20 BARRACKS, 2 ADMINISTRATION, 1 MESSHALL, AND 10 STORAGE/ SUPPORT BUILDINGS. OB -- APPROXIMATELY 45 UNIDENTIFIED VEHICLES.</p> <p>25X1D [REDACTED]</p>	2102N 10548E	0616		112-R1
<p>XOM CHAN DA MILITARY INSTALLATION TWO AREAS REFERENCED FROM XOM CHAN DA. AREA A (1.4 NM NW AT UTM [REDACTED] -- 6 BARRACKS, 1 ADMINISTRATION, 3 WAREHOUSE, AND 4 ASSOCIATED BUILDINGS. AREA B (AT XOM CHAN DA AT UTM [REDACTED] -- 7 STORAGE BUILDINGS ADJACENT TO A LARGE HILL.</p> <p>25X1D [REDACTED]</p> <p>25X1D [REDACTED]</p>	2109N 10511E	0616		385-B
<p>HUNG VI MILITARY STORAGE AREA 0.8 NM SSE OF HUNG VI AT UTM [REDACTED]. AREA CONSISTS OF AT LEAST 50 STORAGE AND ASSOCIATED BUILDINGS.</p> <p>25X1D [REDACTED]</p> <p>25X1D [REDACTED]</p>	2113N 10512E	0616		385-C
<p>BASIC SERVICES</p> <p>LANG KE HONG AREA ROAD U/C 0.1 NM NNE OF LANG KE HONG. ROAD EXTENDS SE FROM ROUTE 15 AT 20-33N 105-01E TO 20-21N 105-12E. THE ROAD IS APPARENTLY NOT MOTORABLE.</p> <p>25X1D [REDACTED]</p>	2033N 10501E	0616		521
<p>BAN BANG AREA ROAD U/C 2 NM NNW OF BAN BANG.</p>	2042N 10505E	0616		448-B

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
25X1D ROAD EXTENDS SE FROM ROUTE 15 AT 20-42N 105-05E TO ROUTE 12 AT 20-37N 105-17E. THE ROAD IS MOTORABLE FOR APPROXIMATELY 4 NM ON THE EAST END. [REDACTED]				
25X1D HO HAI PONTOON BRIDGE IMMEDIATELY NE OF SUVUI AND 0.2 NM NE OF HO HAI AT UTM [REDACTED]. PONTOON BRIDGE OVER BLACK RIVER (SONG BO) CONNECTS ROUTE 6 AT FORMER FERRY CROSSING. [REDACTED]	2045N 10505E	0616		448-A
25X1D HOA BINH ROAD U/C NEW ROAD UNDER CONSTRUCTION EXTENDS FROM HOA BINH AT 20-49N 105-20E WEST TO 20-52N 105-10E WITH INTERMITTENT AREAS OF CONSTRUCTION. [REDACTED]	2049N 10520E	0616		115-G
25X1D STORAGE XOM BUN STORAGE AREA 0.4 NM SOUTH OF XOM BUN AT UTM [REDACTED] AREA CONTAINS 11 DISPERSED STORAGE BUILDINGS ON A LOOP ROAD ALONG ROUTE 6. FOUR BUILDINGS APPEAR TO HAVE FIRE WALLS. [REDACTED]	2053N 10523E	0616		420-C
25X1D XOM NUT STORAGE AREA 0.9 NM EAST OF XOM NUT AT UTM [REDACTED] ROAD-SERVED STORAGE AREA CONTAINS AT LEAST 14 SMALL AND 2 LARGE STORAGE/SUPPORT BUILDINGS AND SEVERAL DRIVE-THROUGH VEHICLE SHEDS. [REDACTED]	2054N 10523E	0616		420-D

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	Target	Coordinates	WAC	Target Numbers	
				BE	NPIC
25X1D	DONG BEN STORAGE AREA 0.6 NM SSE OF DONG BEN AT UTM [REDACTED]. AREA CONTAINS AT LEAST 12 STORAGE-TYPE BUILDINGS. [REDACTED]	2054N 10524E	0616		420-J
25X1D					
25X1D	XOM MU HANG STORAGE AREA 0.4 NM ESE OF XOM MU HANG AT UTM [REDACTED] AREA CONTAINS 4 BUILDINGS AND 2 PROBABLE CAVE STORAGE ENTRANCES ON SW SIDE OF A HILL. AREA IS SERVED BY A NATURAL SURFACE ROAD FROM ROUTE 67. [REDACTED]	2058N 10516E	0616		420-E
25X1D					
25X1D	DONG MU POL STORAGE 0.2 NM NNW OF DONG MU AT UTM [REDACTED] AREA CONTAINS 2 MEDIUM POL TANKS, 2 LARGE STORAGE/MAINTENANCE BUILDINGS, AND 1 OTHER BUILDING. [REDACTED]	2106N 10509E	0616		388-B
25X1D					
25X1D	UNIDENTIFIED ACTIVITY [REDACTED]				
25X1D					

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THIS SECTION PROVIDES A DESCRIPTION OF PREVIOUSLY REPORTED TARGETS SHOWING CHANGE.

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	Target	Coordinates	WAC	Target Numbers	
				BE	NPIC
	-LAOS-				
	AIR INSTALLATIONS				
25X1D	SAM TEU AIRFIELD 2 NM NORTH OF SAM TEU. APPROXIMATELY 3,000 X 150 FT WNW/ESE SOD RUNWAY, UNSERVICEABLE. AIRFIELD HAS BEEN SUBJECTED TO AIR STRIKE AND HAS 9 BOMB CRATERS IN RUNWAY. [REDACTED]	2000N 10438E	0616	25X1A [REDACTED]	137
	-NORTH VIETNAM-				
25X1D	MISSILES				
25X1A 25X1D 25X1D	HANOI SAM SITE B33-2 11 NM NW OF HANOI AT UTM [REDACTED] SITE IS COMPLETE AND CONSISTS OF 6 REVETTED LAUNCH POSITIONS, A REVETTED CENTRAL GUIDANCE AREA, AND 3 REVETTED MISSILE-HOLD POSITIONS. COMOR [REDACTED] [REDACTED]	2110N 10544E	0616	25X1A [REDACTED]	411-A
25X1A 25X1D	HANOI SAM SITE D36-2 30.6 NM NORTH OF HANOI AT UTM [REDACTED] SITE CONSISTS OF 5 REVETTED LAUNCH POSITIONS AND A REVETTED CENTRAL GUIDANCE AREA. COMOR [REDACTED] [REDACTED]	2132N 10547E	0616	25X1A [REDACTED]	242-K

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25X1D

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>AIR INSTALLATIONS</p> <p>HANOI/GIA LAM AIRFIELD 2 NM EAST OF HANOI. TWO CONCRETE RUNWAYS ONE 6,550 X 100 FT NNE/SSW, THE OTHER 5,800 X 320 FT NW/SE, BOTH SERVICEABLE. CONSTRUCTION ON THE NNE END OF RUNWAY APPEARS TO BE COMPLETED BRINGING THE TOTAL LENGTH OF EXTENSION TO 1,150 FT AND TOTAL RUNWAY LENGTH TO 6,550 FT. THE 5,800 FT RUNWAY APPEARS TO BE UNDERGOING MINOR REPAIRS. FACILITIES INCLUDE 1 HANGAR, NUMEROUS SUPPORT BUILDINGS, A WEATHER STATION, POL STORAGE AREA, AND 16 AIRCRAFT REVETMENTS. OB -- 7 CRATE, 5 CAB, 3 COLT, 7 MAX/MOOSE, AND 3 HOUND.</p>	2102N 10553E	0616	25X1A	114
<p>PHUC YEN AIRFIELD 5.8 NM ESE OF PHUC YEN AT UTM 9,170 X 200 FT ESE/WWN CONCRETE RUNWAY, SERVICEABLE, WITH 1,200-FT OVERRUN AT EACH END. FACILITIES INCLUDE A PARALLEL TAXIWAY WITH 3 CROSSOVER LINKS, ALERT RAMPS ALONG EACH OF 2 OUTER CROSSOVER LINKS, TWO 1,600-FT PARKING APRONS (1 AT EACH END OF RUNWAY), GCA FACILITIES, ILS SITES, AND MARKER BEACONS. HOUSING/SUPPORT AREA IMMEDIATELY NORTH OF AIRFIELD CONTAINS APPROXIMATELY 50 BARRACKS, 100 STORAGE/SUPPORT BUILDINGS, A CONTROL TOWER, AND AN OPERATIONS BUILDING. AIRCRAFT REVETMENT AREA AT ESE END OF RUNWAY</p>	2113N 10548E	0616	25X1A	326-C

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>CONTAINS 8 REVETMENTS AND AREA AT WNW END CONTAINS 5 REVETMENTS. APPROXIMATELY 11,000-FT TAXIWAY EXTENDS NORTH FROM RUNWAY TO NEW DISPERSAL AREA CONTAINING 35 AIRCRAFT REVETMENTS. A FIRING-IN BUTT IS NEARING COMPLETION. SECURED POL STORAGE AREA, APPROXIMATELY 5,000 FT NNW OF RUNWAY, WITH LOOP SERVICE ROAD CONTAINS 6 BURIED POL TANKS. AIRFIELD IS RAIL-SERVED. OB -- 5 BEAGLE, 14 FISHBED (MIG 21), 1 PROBABLE FISHBED, AND 38 FAGOT/FRESCO. ACTIVITY -- AT LEAST 53 AIRCRAFT SHIPPING CRATES WERE OBSERVED THROUGHOUT THE AREA. IN THE NORTH DISPERSAL AREA 23 CRATES ARE APPROXIMATELY 10 X 40 FT AND 5 ARE APPROXIMATELY 10 X 30 FT. ELEVEN CRATES IN THE EAST REVETMENT AREA AND 14 CRATES NEAR RUNWAY ARE APPROXIMATELY 10 X 47 FT. (SEE ATTACHMENTS 3-5) COMOR [REDACTED]</p>				
<p>PHU THO AIRFIELD AT PHO THO. APPROXIMATELY 4,600 X 150 FT E/W RUNWAY UNSERVICEABLE. AIRFIELD HAS BEEN SUBJECTED TO AIR STRIKE. NUMEROUS BOMB CRATERS WERE OBSERVED AROUND AIRFIELD, BUT NONE ON RUNWAY. CONSTRUCTION ON THE RUNWAY HAS APPARENTLY STOPPED.</p>	2123N 10512E	0616	25X1A [REDACTED]	135-C
<p>KEP AIRFIELD 1 NM SW OF KEP AT UTM [REDACTED]</p>	2124N 10616E	0616	25X1A [REDACTED]	211

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
5,975 X 155 FT NE/SW CONCRETE RUNWAY, SERVICEABLE. CONSTRUCTION ON REVETMENTS CONTINUES WITH 15 LARGE REVETMENTS COMPLETE AND 12 IN EARLY-TO MID-STAGE OF CONSTRUCTION. FOUR TEMPORARY REVETMENTS HAVE BEEN CONSTRUCTED ON THE PARKING APRON AT THE NE END OF RUNWAY. OB -- 8 UNIDENTIFIED AIRCRAFT. ACTIVITY -- 17 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT. (SEE ATTACHMENT 6) COMOR [REDACTED]				
MILITARY INSTALLATIONS QUI HAU AMMUNITION DEPOT WEST 1.5 NM NW OF QUI HAU AND 1 NM NNE OF HAI HA AT [REDACTED] DOUBLE-SECURED STORAGE AREA HAS BEEN SUBJECTED TO AIR STRIKE. FACILITIES INCLUDE 4 DAMAGED BARRACKS, 1 DAMAGED ADMINISTRATION, 15 DAMAGED STORAGE, AND 1 DESTROYED STORAGE BUILDING. AN ACTIVE DRIVER TRAINING AREA 2 NM SE CONTAINS DISPERSED AND CAMOUFLAGED VEHICLE PARKING AREAS, AT LEAST 3 BARRACKS, NUMEROUS SUPPORT BUILDINGS, AND EXTENSIVE TRENCHING. [REDACTED]	2037N 10514E	0616	25X1A [REDACTED]	283
XOM MAN MILITARY CAMP AT XOM MAN (UTM [REDACTED]). BARRACKS AREA UNDER CONSTRUCTION ON THE SITE OF AN EXISTING OLDER CAMP CONTAINS 9 BARRACKS- TYPE, 1 ADMINISTRATION, 2 STORAGE, 9 SUPPORT, 2 SECURED STORAGE, AND SEVERAL SMALL BUILDINGS	2043N 10519E	0616		285

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
AND 4 BUILDINGS UNDER CONSTRUCTION OR BEING DISMANTLED. EXTENSIVE TRACK ACTIVITY OBSERVED JUST NORTH OF INSTALLATION. PILES OF CONSTRUCTION MATERIAL OBSERVED THROUGHOUT AREA. [REDACTED]				
HOA BINH ARMY BARRACKS 2.2 NM SE OF HOA BINH AT UTM [REDACTED] AREA APPEARS TO BE ABANDONED. BUILDINGS ARE DETERIORATING AND ONLY 9 BUILDINGS HAVE ROOFS. A STORAGE AREA IMMEDIATELY EAST AT UTM [REDACTED] CONTAINS 7 BUILDINGS AND IS SERVED BY A WELL-TRAVELED ROAD. [REDACTED]	2047N 10521E	0616	25X1A [REDACTED]	317
XUAN MAI BKS AND HQ 338 INF BDE SSW 1 NM SW OF XUAN MAI AT UTM [REDACTED] BARRACKS AREA CONTAINS 33 BARRACKS, 5 ADMINISTRATION, AND 58 SUPPORT BUILDINGS, 1 SA-2 SITE (HANOI SAM SITE C28-2), A SMALL ARMS FIRING RANGE, 3 STRONGPOINTS, 4 FA POSITIONS, 9 UNOCCUPIED LIGHT AAA SITES, AND NUMEROUS VEHICLE/EQUIPMENT REVETMENTS. [REDACTED]	2054N 10535E	0616	25X1A [REDACTED]	261
HA DONG ARMY BARRACKS SW 2 NM SW OF HA DONG AND 0.9 NM ESE OF YEN LO AT UTM [REDACTED] SECURED BARRACKS AREA CONSISTS OF 21 BARRACKS, 4 ADMINISTRATION, 2 MESSHALL, AND 16 SUPPORT/STORAGE BUILDINGS AND 6 VEHICLE SHEDS. [REDACTED]	2057N 10545E	0616	25X1A [REDACTED]	256
HANOI ARMY BARRACKS WEST TAY HO 1.8 NM NW OF HANOI RAILROAD CLASSIFICATION	2102N 10548E	0616	25X1A [REDACTED]	112-R

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25X1D

25X1A

25X1D

25X1D

25X1D

Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>25X1D</p> <p>YARD AT UTM [REDACTED]</p> <p>INSTALLATION CONTAINS 77 BARRACKS, 4 ADMINISTRATION, 70 STORAGE, AND 10 SUPPORT BUILDINGS AND A PARADE GROUND.</p> <p>OB -- APPROXIMATELY 50 UNIDENTIFIED VEHICLES.</p> <p>[REDACTED]</p>				
<p>HANOI ARMY SUPPLY DEPOT NNE</p> <p>4.5 NM NE OF HANOI RAILROAD CLASSIFICATION YARD AT UTM [REDACTED].</p> <p>WALLED MAIN DEPOT AREA (HANOI ARMY SUPPLY DEPOT NE THUONG CAT, BE NO [REDACTED]) CONSISTS OF AN OPEN STORAGE AREA, 5 LARGE WAREHOUSES, 6 SMALL VENTILATED BUILDINGS, 2 VEHICLE MAINTENANCE SHEDS, 1 LARGE TRANSSHIPMENT BUILDING, 39 SUPPORT BUILDINGS, AND 15 GABLE-ROOF, 5 MONITOR-ROOF, 4 LARGE PEAKED-ROOF, AND 14 SMALL PEAKED-ROOF STORAGE BUILDINGS.</p> <p>A WALLED, RAIL-SERVED POL STORAGE AREA ADJACENT TO AND NE OF THE MAIN AREA CONTAINS 32 VERTICAL STORAGE TANKS (26 LARGE AND 6 SMALL), 3 LARGE WAREHOUSES, 5 GABLE-ROOF AND 2 MONITOR-ROOF STORAGE BUILDINGS, 1 ADMINISTRATION BUILDING, AND 16 SUPPORT BUILDINGS UNDER CONSTRUCTION.</p> <p>A MULTISECTION PONTOON BRIDGE OVER THE CANAL DES RAPIDES, JUST NORTH OF INSTALLATION AT UTM [REDACTED], HAS 2 SECTIONS IN PLACE ON EACH BANK AND 16 UNATTACHED PONTOON SECTIONS ALONG BANKS.</p> <p>[REDACTED]</p>	2104N 10553E	0616		114-D
<p>CAM DAI ARMY BARRACKS</p> <p>1 NM EAST OF CAM DAI AT UTM [REDACTED]</p>	2109N 10522E	0616	25X1A [REDACTED]	200

	Target	Coordinates	WAC	Target Numbers	
				BE	NPIC
25X1D	AREA HAS BEEN SUBJECTED TO AIR STRIKE. NINE BUILDINGS REMAIN INTACT. ALL OTHER BUILDINGS HAVE BEEN DESTROYED OR HEAVILY DAMAGED. NUMEROUS BOMB CRATERS OBSERVED THROUGHOUT AREA.				
25X1D	YEN KHOAI ARMY BKS AND AMMO STORAGE 0.8 NM WEST OF YEN KHOAI AND 1.5 NM NE OF CAM DAI AT UTM [REDACTED] INSTALLATION HAS BEEN SUBJECTED TO AIR STRIKE. THIRTY-TWO BUILDINGS HAVE BEEN DESTROYED, 37 DAMAGED, AND 1 BUILDING REMAINS INTACT.	2110N 10522E	0616	25X1A [REDACTED]	313
25X1D	DA PHUC MILITARY CAMP SW 0.4 NM SSE OF DA PHUC (HA GIA) AT UTM [REDACTED] CAMP CONTAINS 8 BARRACKS, 4 ADMINISTRATION, 3 STORAGE, 3 MESSHALL, AND 12 SUPPORT BUILDINGS AND A MOTOR POOL WITH 4 VEHICLE SHEDS.	2118N 10552E	0616		224-B
25X1D	ELECTRONICS/COMMUNICATIONS PHUC YEN RADAR SITE 1.6 NM SOUTH OF PHUC YEN AT UTM [REDACTED] FACILITIES INCLUDE 2 SUPPORT BUILDINGS. OB -- POSSIBLE RADAR ON HILL.	2112N 10542E	0616	25X1A [REDACTED]	326-D
25X1D	TAM DAO EARLY WARNING RADAR SITE 1.8 NM NNW OF TAM DAO AT UTM [REDACTED] FACILITIES INCLUDE 1 LARGE AND 5 SMALL	2127N 10539E	0616		501

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	Target	Coordinates	WAC	Target Numbers	
				BE	NPIC
25X1D	SUPPORT BUILDINGS. THE RADAR ANTENNA CANNOT BE IDENTIFIED. [REDACTED]				
	INDUSTRY			25X1A	
25X1D	PHU THO CHEMICAL FERTILIZER PLANT LAM THAO 0.5 NM SOUTH OF THACH SON AND 7 NM SE OF PHU THO ON EAST BANK OF YUAN CHIANG (RED RIVER) AT UTM [REDACTED]. SECURED RAIL-SERVED PLANT CONTAINS 1 LARGE RECTANGULAR, 20 SUPPORT, AND NUMEROUS SMALLER BUILDINGS, 4 VERTICAL TANKS, 2 BURIED TANKS, A WATER TOWER, AND 3 CONVEYORS. FOUR ADMINISTRATION AND 1 LARGE STORAGE BUILDING OBSERVED IMMEDIATELY OUTSIDE SECURED AREA. APPROXIMATELY 8 BOMB CRATERS OBSERVED WITHIN THE IMMEDIATE AREA AND ROOF DAMAGE TO 1 BUILDING OBSERVED. [REDACTED]	2120N 10517E	0616	[REDACTED]	233
25X1D	BASIC SERVICES				
25X1D	LANG BAI FERRY CROSSING & PONTOON BRIDGE AT LANG BAI AT UTM [REDACTED]. A PONTOON BRIDGE HAS BEEN ERECTED 0.1 NM SW OF FERRY CROSSING. SEVERAL BRIDGE SECTIONS OBSERVED IMMEDIATELY SOUTH OF THE BRIDGE. PROBABLE TRENCHING IS OBSERVED AT UTM [REDACTED] ON HILLSIDES OVERLOOKING THE FERRY LANDINGS. [REDACTED]	2045N 10511E	0616		285-A
25X1D				25X1A	
25X1D	HANOI RR STA CLASSIFICATION YARD & SHOPS CENTER OF HANOI AT UTM [REDACTED]	2101N 10551E	0616	[REDACTED]	112-D

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>CLASSIFICATION YARD IS 3,500-FT LONG AND 15 TRACKS WIDE AND CONTAINS A TURNTABLE, 2 CAR REPAIR SHOPS, A STATION, 12 WAREHOUSES, AND 15 MISCELLANEOUS BUILDINGS.</p> <p>ACTIVITY -- APPROXIMATELY 85 PIECES OF ROLLING STOCK.</p> <p>[REDACTED]</p>				
<p>HANOI RR CAR REPAIR SHOPS GIA LAM</p> <p>2.8 NM NE OF HANOI ON HANOI-LANG SON RAIL LINE.</p> <p>FACILITIES INCLUDE A 2,500-FT CLASSIFICATION YARD AND REPAIR SHOPS CONSISTING OF 3 MULTISECTION MONITOR-ROOF, 12 WAREHOUSE-TYPE, AND APPROXIMATELY 30 SMALLER SHOP/SUPPORT BUILDINGS.</p> <p>ACTIVITY -- 21 RAIL CARS IN REPAIR YARD.</p> <p>[REDACTED]</p>	2103N 10553E	0616	25X1A [REDACTED]	114-C
<p>LANG SONG--HANOI RR SEGMENT 2</p> <p>CONSTRUCTION CONTINUES.</p> <p>RAILBED JOINS THE EXISTING RAIL LINE EXTENDING BETWEEN THE THAI NGUYEN IRON AND STEEL COMBINE AND THE THAI NGUYEN ORE PROCESSING PLANT AT 21-34N 105-56E AND PROCEEDS SE TO A POINT NEAR THE HANOI-DONG DANG RAIL LINE AT 21-25N 106-17E.</p> <p>A BRIDGE IS UNDER CONSTRUCTION AT 21-27N 106-14E (UTM [REDACTED] AND 3 PIERS ARE EVIDENT.</p> <p>[REDACTED]</p>	2126N 10620E	0616		211-A

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Target

Coordinates

WAC

Target Numbers

BE

NPIC

STORAGE

25X1D TRIENG XEN PROBABLE STORAGE AREA
0.6 NM WSW OF TRIENG XEN AT UTM [REDACTED]
AREA CONTAINS 6 BARRACKS/STORAGE BUILDINGS,
PROBABLE CAVE STORAGE, AND EXTENSIVE VEHICLE
TRACKS. AREA IS ADJACENT TO A NEW EAST-WEST
ROAD STILL UNDER CONSTRUCTION.
[REDACTED]

2037N 10516E 0616 283-B

25X1D DONG BAI STORAGE AREAS
TWO STORAGE AREAS IN THE VICINITY OF DONG BAI
ON ROUTE 6.
25X1D AREA A (1.8 NM WNW AT UTM [REDACTED] -- 16
STORAGE BUILDINGS AND EXTENSIVE VEHICLE
TRACKS.
25X1D AREA B (ON BOTH SIDES OF ROUTE 6 AT UTM
[REDACTED] -- 8 STORAGE BUILDINGS.
[REDACTED]

2052N 10530E 0616 261-B

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THIS SECTION PROVIDES ORDER OF BATTLE INFORMATION.

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	Target	Coordinates	WAC	Target Numbers	
				BE	NPIC
	-NORTH VIETNAM-				
	MISSILES			25X1A	
	HOA BINH SAM SITE B22-2	2038N 10513E	0616		283-C
	OB -- 5 PROBABLE MISSILES IN LAUNCH POSITIONS, A CAMOUFLAGED POSSIBLE FAN SONG RADAR AND ASSOCIATED EQUIPMENT, AND 2 PROBABLE MISSILE TRANSPORTERS.				
25X1A	(SEE ATTACHMENT 1)				
	COMOR [REDACTED]				
25X1D	[REDACTED]				
	HANOI SAM SITE A11-2	2100N 10555E	0616	25X1A	114-I
	OB -- 5 PROBABLE MISSILES IN LAUNCH POSITIONS, A PROBABLE FAN SONG RADAR AND ASSOCIATED EQUIPMENT, AND 2 PROBABLE MISSILE TRANSPORTERS.				
25X1A	COMOR [REDACTED]				
25X1D	[REDACTED]				
	HANOI SAM SITE B30-2	2106N 10539E	0616	25X1A	462-L
	OB -- 6 PROBABLE MISSILES IN LAUNCH POSITIONS AND FAN SONG RADAR WITH ASSOCIATED EQUIPMENT.				
25X1A	COMOR [REDACTED]				
25X1D	[REDACTED]				
	HANOI SAM SITE C01A-2	2129N 10554E	0616	25X1A	415-A
	OB -- 6 PROBABLE MISSILES IN LAUNCH POSITIONS AND PROBABLE FAN SONG RADAR WITH ASSOCIATED EQUIPMENT.				
25X1A	COMOR [REDACTED]				
25X1D	[REDACTED]				

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	Target	Coordinates	WAC	Target Numbers	
				BE	NPIC
25X1A 25X1D	HANOI SAM SITE C06A-2 OB -- AT LEAST 4 PROBABLE MISSILES AND A PROBABLE FAN SONG RADAR WITH ASSOCIATED EQUIPMENT. COMOR [REDACTED]	2115N 10616E	0616	25X1A [REDACTED]	238-J
25X1D	AIR INSTALLATIONS HANOI/BAC MAI AIRFIELD OB -- 1 SMALL STRAIGHT-WING AIRCRAFT. [REDACTED]	2100N 10550E	0616	25X1A [REDACTED]	112-E
25X1D	HANOI/GIA LAM AIRFIELD OB -- 7 CRATE, 5 CAB, 3 COLT, 7 MAX/MOOSE, AND 3 HOUND. [REDACTED]	2102N 10553E	0616	25X1A [REDACTED]	114
25X1D	TONG AIRFIELD OB -- 1 COLT AND 1 PROBABLE COLT. [REDACTED]	2106N 10527E	0616	25X1A [REDACTED]	248-A
25X1A	PHUC YEN AIRFIELD OB -- 5 BEAGLE, 14 FISHBED (MIG 21), 1 PROBABLE FISHBED, AND 38 FAGOT/FRESCO. ACTIVITY -- AT LEAST 53 AIRCRAFT SHIPPING CRATES WERE OBSERVED THROUGHOUT THE AREA. IN THE NORTH DISPERSAL AREA 23 CRATES ARE APPROXIMATELY 10 X 40 FT AND 5 ARE APPROXIMATELY 10 X 30 FT. ELEVEN CRATES IN THE EAST REVETMENT AREA AND 14 CRATES NEAR RUNWAY ARE APPROXIMATELY 10 X 47 FT. (SEE ATTACHMENTS 3-5) COMOR [REDACTED]	2113N 10548E	0616	25X1A [REDACTED]	326-C

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
25X1D [REDACTED]			25X1A [REDACTED]	211
KEP AIRFIELD OB -- 8 UNIDENTIFIED AIRCRAFT. ACTIVITY -- 17 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT. (SEE ATTACHMENT 6) COMOR [REDACTED]	2124N 10616E	0616		
25X1A 25X1D [REDACTED]				
MILITARY INSTALLATIONS				
25X1D VAN TRI MILITARY DEPOT ESE OB -- APPROXIMATELY 35 UNIDENTIFIED VEHICLES. [REDACTED]	2102N 10545E	0616		462-A
25X1D HANOI ARMY BARRACKS WEST (TAY HO) OB -- APPROXIMATELY 50 UNIDENTIFIED VEHICLES. [REDACTED]	2102N 10548E	0616	25X1A [REDACTED]	112-R
25X1D HANOI PROBABLE MILITARY AREA OB -- APPROXIMATELY 45 UNIDENTIFIED VEHICLES. [REDACTED]	2102N 10548E	0616		112-R1
ELECTRONICS				
25X1D PHUC YEN RADAR SITE OB -- 1 POSSIBLE RADAR ON HILL. [REDACTED]	2112N 10542E	0616	25X1A [REDACTED]	326-D
MISCELLANEOUS				
25X1D [REDACTED]				

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
25X1D HANOI RR STA CLASSIFICATION YARD & SHOPS ACTIVITY -- APPROXIMATELY 85 PIECES OF ROLLING STOCK. [REDACTED]	2101N 10551E	0616	25X1A [REDACTED]	112-D
25X1D HANOI RR CAR REPAIR SHOPS GIA LAM ACTIVITY -- 21 RAIL CARS IN REPAIR YARD. [REDACTED]	2103N 10553E	0616	25X1A [REDACTED]	114-C

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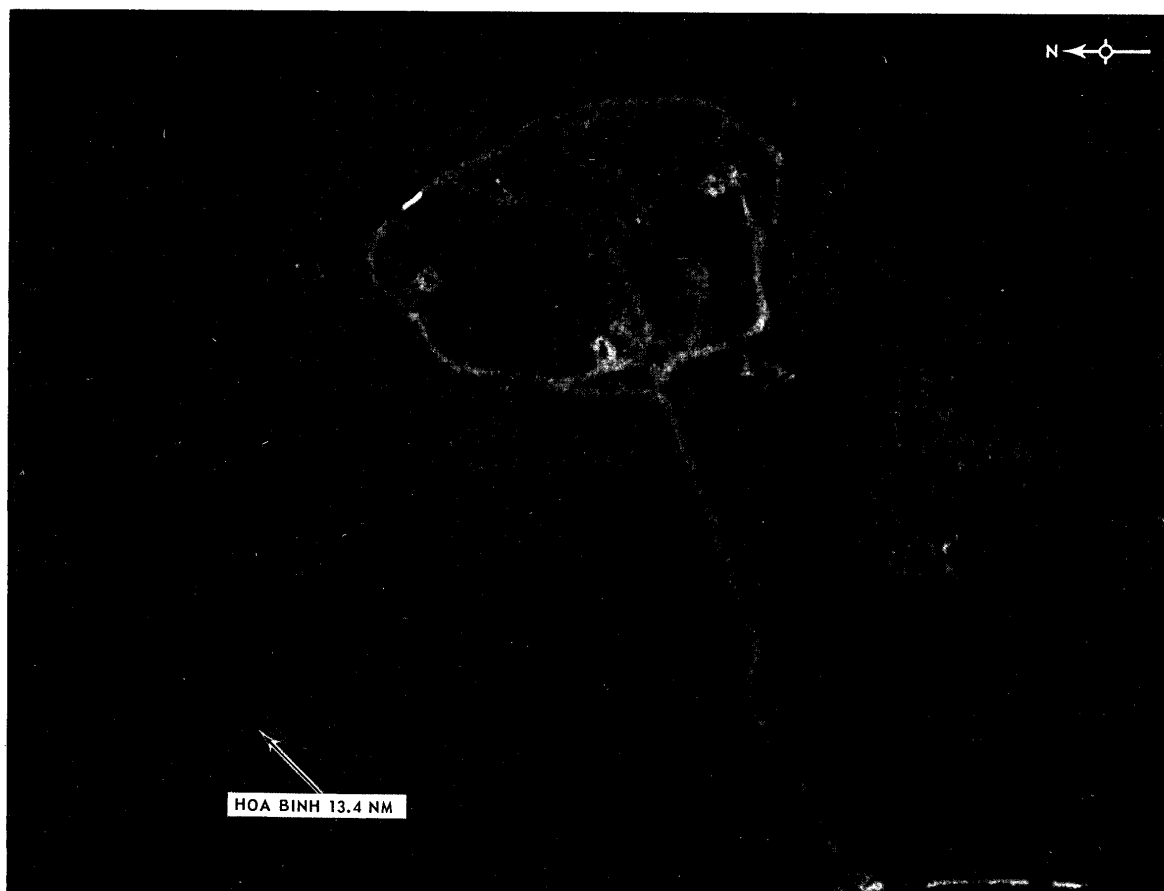
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NPIC/R-90/66
ATTACHMENT 1

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HOA BINH SAM SITE B22-2, NORTH VIETNAM.

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ATTACHMENT 2

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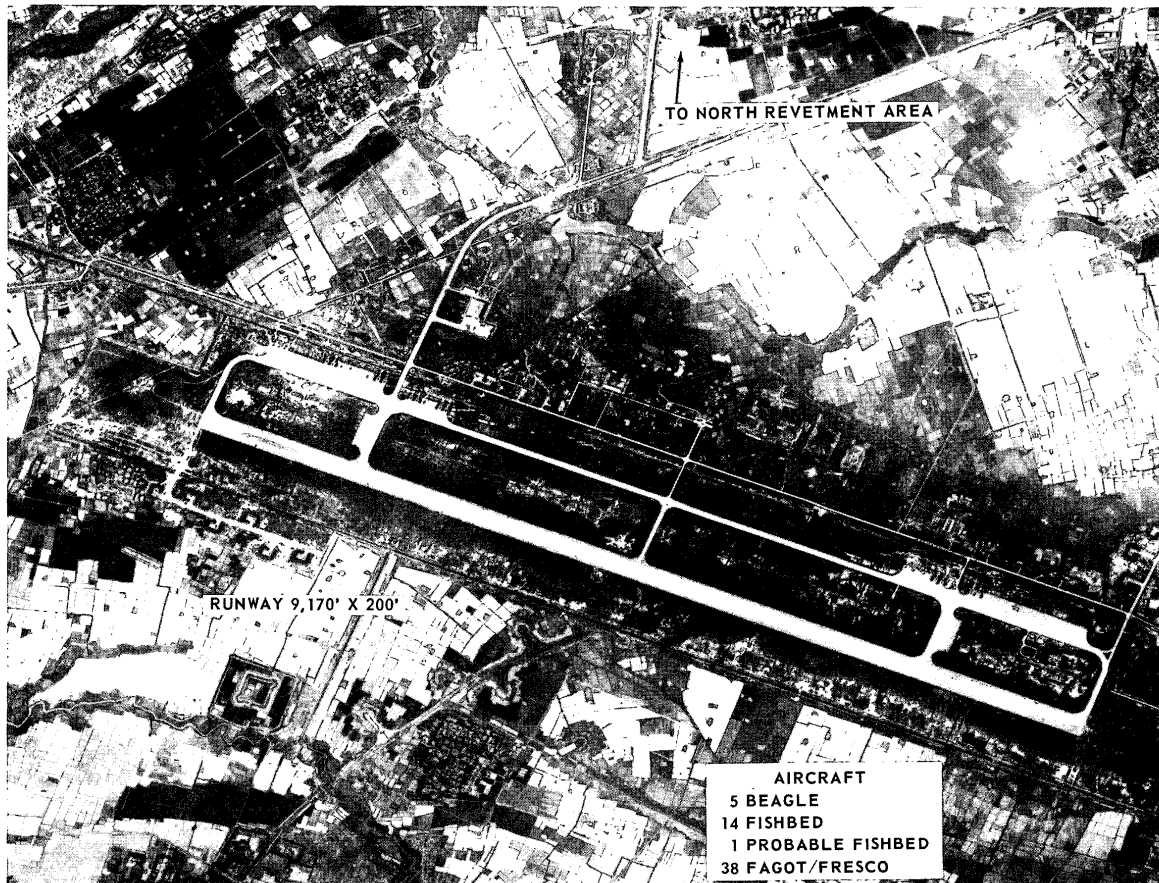


HANOI SAM SITE B07-2, NORTH VIETNAM.

NPIC K-7894 (4/66)

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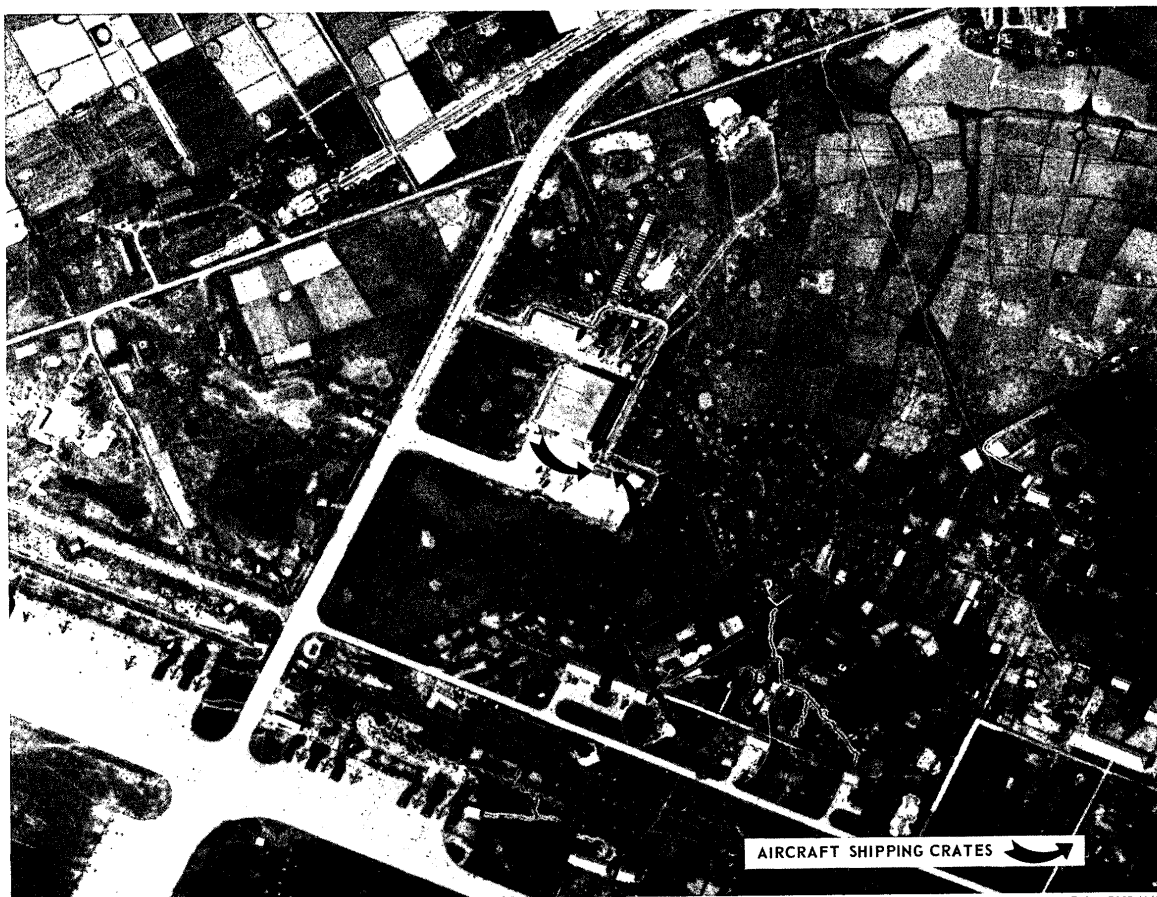
PHUC YEN AIRFIELD, NORTH VIETNAM.

NPIC K-7895 (4/66)

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ATTACHMENT 4

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HANGER AREA, PHUOC YEN AIRFIELD, NORTH VIETNAM

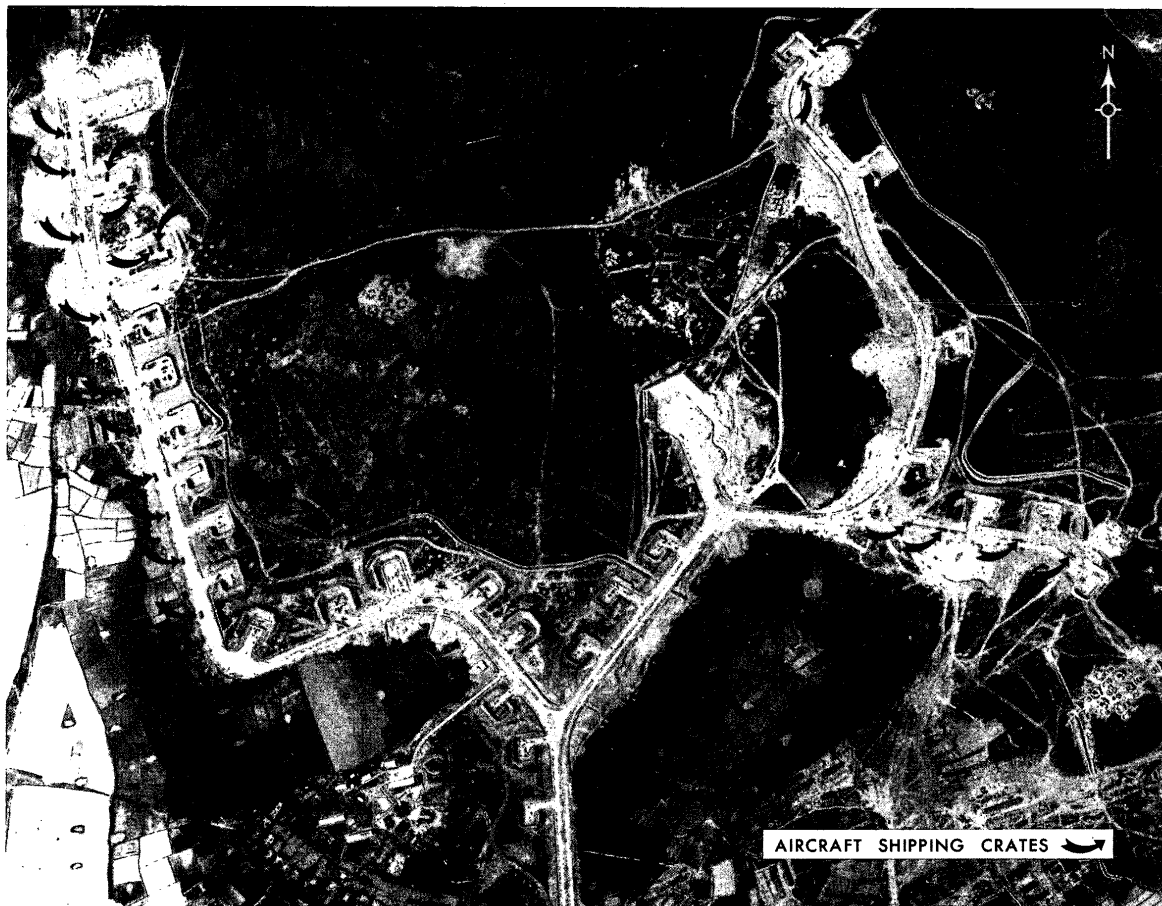
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ATTACHMENT 5

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NORTH REVETMENT AREA, PHUC YEN AIRFIELD, NORTH VIETNAM

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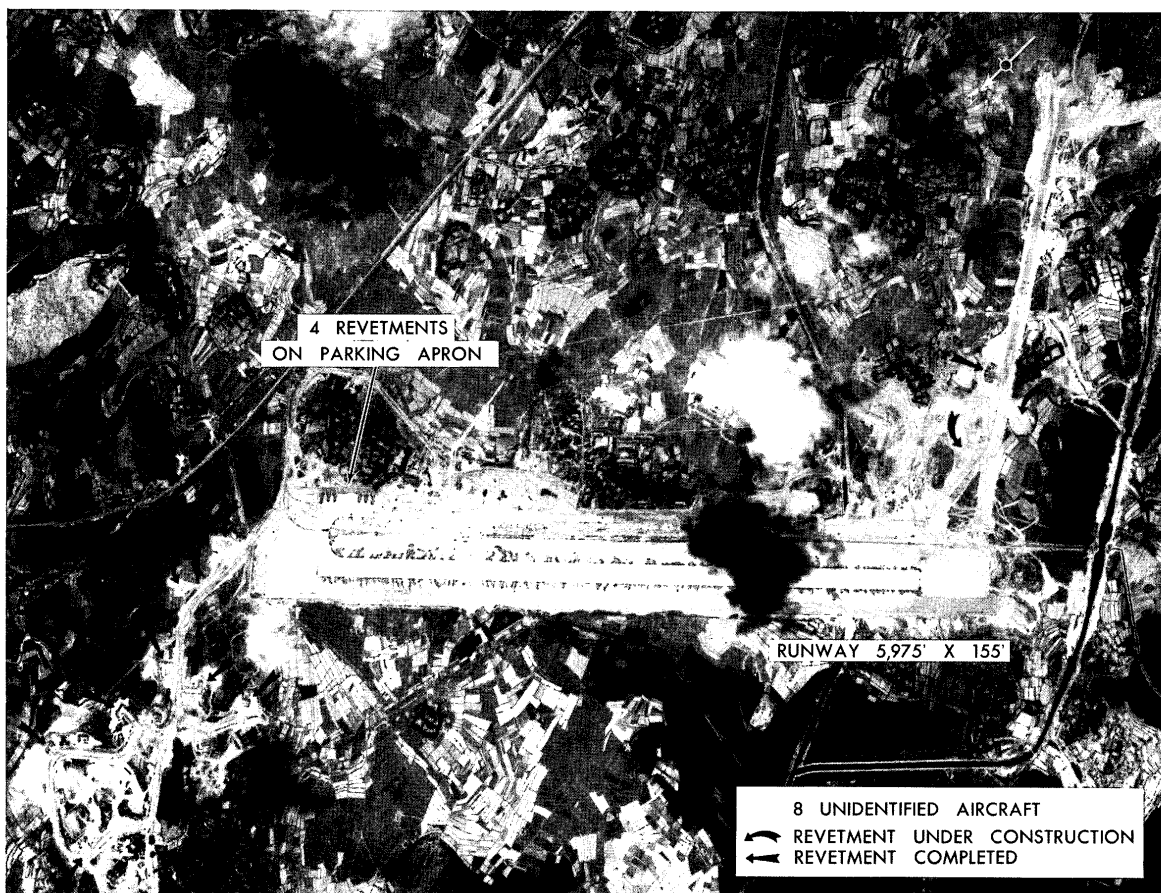
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ATTACHMENT 6

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KEP AIRFIELD, NORTH VIETNAM.

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