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**PHOTOGRAPHIC INTERPRETATION REPORT**

SUMMARY



25X1A



**MISSION 5511**

**1 MAY 1966**

NPIC/R-166/66

JUNE 1966

**ARCHIVAL RECORD  
RETURN TO AGENCY ARCHIVES**

GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

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WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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25X1C

### 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
<p align="center">-NORTH VIETNAM-</p> <p>STORAGE</p> <p>BANG SO BURIED POL STORAGE 25X1D                      0.3 NM EAST OF BANG SO AT UTM [REDACTED]                      AREA CONTAINS 17 EXCAVATIONS, 6 POL STORAGE                      TANKS, AND 7 BURIED PROBABLE POL TANKS.                      (SEE ATTACHMENT 1)                      [REDACTED]</p>	2053N 10553E	0616		266-H
<p>HOANG MAI BURIED PROBABLE POL STORAGE 25X1D                      0.6 NM WEST OF HOANG MAI AT UTM [REDACTED]                      SMALL FENCE-SECURED AREA CONSISTS OF 3                      EARTHEN MOUNDS EACH WITH 3 BURIED PROBABLE                      POL TANKS AND 8 MOUNDS EACH WITH 2 BURIED                      PROBABLE POL TANKS. TWO SMALL BUILDINGS                      ARE NEAR ENTRANCE TO SECURED AREA.                      [REDACTED]</p>	2115N 10606E	0616		206-H

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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
-NORTH VIETNAM-				
BASIC SERVICES				
25X1D HANOI-LAO CAI RR SEGMENT 5 SERVICEABLE RAIL LINE OBSERVED FROM 21-07N 105-53E [REDACTED] TO 21-09N 105-50E [REDACTED]	2110N 10548E	0616		113-G
25X1D ACTIVITY -- 1 LOCOMOTIVE WITH 2 RAIL CARS AT 21-08N 105-52E [REDACTED] 25X1D				
25X1A [REDACTED]				
25X1D [REDACTED]				
25X1D HANOI--PING HSIANG RR SEGMENT 3 SERVICEABLE RAIL LINE OBSERVED FROM 21-02N 105-51E [REDACTED] TO 21-03N 105-53E [REDACTED] AND FROM 21-13N 106-06E 25X1D TO 21-18N 106-14E (UTM	2110N 10604E	0616		297-A
25X1D ACTIVITY -- 23 PIECES OF ROLLING STOCK IN 3-TRACK RAIL YARD AT 21-15N 106-06E 25X1D [REDACTED], A LOCOMOTIVE WITH TENDER PULLING 33 PIECES OF ROLLING STOCK SOUTHWARD 25X1D AT 21-16N 106-09E [REDACTED], 39 PIECES OF ROLLING STOCK IN PHU LANG THUONG RAIL YARD AND SPUR AT 21-16N 106-12E 25X1D [REDACTED], 36 PIECES OF ROLLING STOCK IN CLASSIFICATION YARD AND SIDING AT 21-02N 25X1D 105-52E [REDACTED], AND 1 LOCOMOTIVE 25X1D WITH 37 PIECES OF ROLLING STOCK AT 21-02N 105-52E [REDACTED]				
25X1A [REDACTED]				
25X1D [REDACTED]				

Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
URBAN COMPLEXES  BAC GIANG COMPLEX COMMERCIAL CENTER ON THE HANOI/LANG SON RAIL LINE, 0.8 SQ MI IN AREA, CONTAINS A RAILROAD CLASSIFICATION YARD (BAC GIANG RAILROAD YARD AND SHOPS, [REDACTED] 25X1A 1,600 FT LONG AND 4 TRACKS WIDE, SEVERAL SMALL INDUSTRIES, MILITARY BARRACKS, AND POL STORAGE (BAC GIANG PETROLEUM PRODUCTS 25X1A STORAGE, [REDACTED] SEVERAL BUILDINGS SEVERELY DAMAGED/DESTROYED BY AIR-STRIKE IN NE SECTION OF COMPLEX. [REDACTED] [REDACTED]	2117N 10612E	0616	25X1A [REDACTED]	238
25X1D				

25X1A



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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	
HANOI ARMY BARRACKS NE GIA THUONG OB -- 1 SA-2 MISSILE LAUNCHER AND 134 SA-2 MISSILE CANISTERS (DOUBLE STACKED). ACTIVITY -- 3 FA PIECES, 3 AAA PIECES, 3 CARGO TRUCKS, 1 VAN TRAILER, 3 TRACTORS, AND 5 PIECES OF UNIDENTIFIED EQUIPMENT. (SEE ATTACHMENT 2)	2104N 10553E	0616		114-E
AIR				
HANOI/GIA LAM AIRFIELD OB -- 7 CRATE, 6 CAB, 12 COLT, AND 8 HOUND.	2102N 10553E	0616		114.
GROUND				
HANOI BARRACKS AREA GIA LAM OB -- 21 CARGO TRUCKS, 3 POL TRUCKS, AND 2 TRUCK-MOUNTED CRANES. ACTIVITY -- 1 FLAT FACE RADAR AND 1 PROBABLE FLAT FACE RADAR. (SEE ATTACHMENT 3)	2102N 10553E	0616		114-A
MISCELLANEOUS				
HANOI STORAGE AREA VINH TUY OB -- 30 CARGO TRUCKS. (SEE ATTACHMENT 4)	2100N 10553E	0616		112-B

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	Target	Coordinates	WAC	Target Numbers	
				BE	NPIC
25X1A 25X1D	HANOI--LAO CAI RR SEGMENT 5 ACTIVITY -- 1 LOCOMOTIVE WITH 2 RAIL CARS AT 21-08N 105-52E [REDACTED] 25X1D	2110N 10548E	0616		113-G
25X1D	[REDACTED]				
25X1D	HANOI--PING HSIANG RR SEGMENT 3 ACTIVITY -- 23 PIECES OF ROLLING STOCK IN 3-TRACK RAIL YARD AT 21-15N 106-06E [REDACTED], A LOCOMOTIVE WITH TENDER 25X1D PULLING 33 PIECES OF ROLLING STOCK SOUTHWARD AT 21-16N 106-09E [REDACTED]	2110N 10604E	0616		297-A
25X1D	39 PIECES OF ROLLING STOCK IN PHU LANG THUONG RAIL YARD AND SPUR AT 21-16N 106-12E [REDACTED] 36 PIECES OF ROLLING STOCK IN CLASSIFICATION YARD AND SIDING AT 21-02N 105-52E [REDACTED] 25X1D				
25X1A 25X1D	AND 1 LOCOMOTIVE WITH 37 PIECES OF ROLLING STOCK AT 21-02N 105-52E [REDACTED] 25X1D [REDACTED] [REDACTED]				