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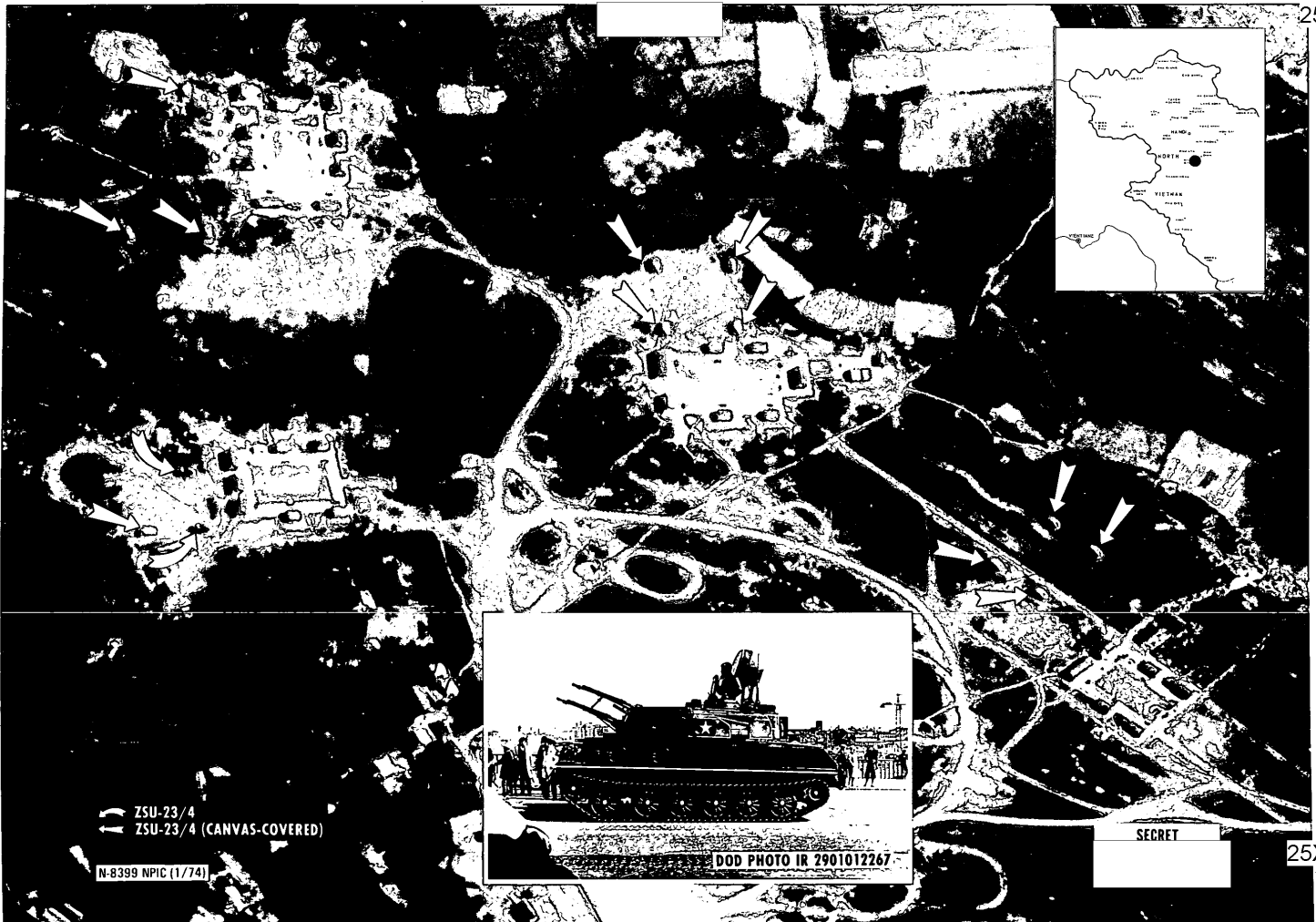
GS SB0035, 17 DECEMBER 1973

ZSU-23/4 SELF-PROPELLED AAA NINH BINH TRAINING AREA, NORTH VIETNAM 20-13N 105-49E

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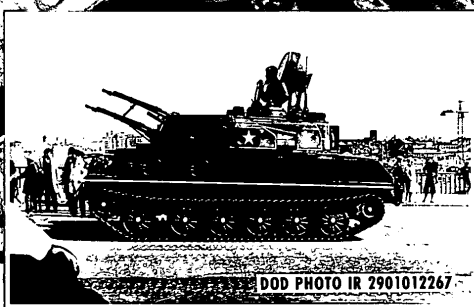
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ZSU-23/4
ZSU-23/4 (CANVAS-COVERED)

N-8399 NPIC (1/74)



DOD PHOTO IR 2901012267

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8 January 1974
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REFERENCE TO: GIANT SCALE MISSION SB0035

ZSU-23/4 SELF-PROPELLED AAA
NINH BINH TRAINING AREA, NORTH VIETNAM

1. SIGNIFICANCE: THE LARGEST CONCENTRATION OF SOVIET-DESIGNED 23-MILLIMETER QUAD ANTI-AIRCRAFT WEAPONS (ZSU-23/4) OBSERVED IN NORTH VIETNAM TO DATE.

2. LOCATION: NINH BINH TRAINING AREA  IS 8 NAUTICAL MILES (NM) WEST OF NINH BINH AND APPROXIMATELY 45 NM SOUTH OF HANOI AT 20-13-01N 105-49-53E.

3. COLLATERAL: THE ZSU-23/4 IS A SELF-PROPELLED ANTI-AIRCRAFT WEAPON DESIGNED TO PROVIDE ANTI-AIRCRAFT DEFENSE FOR MOTORIZED AND ARMORED DIVISIONS. IT CAN ALSO BE USED AGAINST GROUND TARGETS.

THE IDENTIFYING FEATURES OF THE ZSU-23/4 ARE THE BOXLIKE, RECESSED TURRET AND THE ONCARRIAGE FIRE CONTROL GUN DISH RADAR. ITS FOUR AUTOMATIC

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WEAPONS ARE MOUNTED PARALLEL IN TWO PAIRS,
ONE SET ABOVE THE OTHER. (WORLD SELF-PROPELLED
ARTILLERY, DEPARTMENT OF THE ARMY, TM 30-311 KAC
24/5001-71 APRIL 1971 SECRET).

4. REMARKS:

THE ZSU-23/4 WAS FIRST IDENTIFIED IN NORTH
VIETNAM ON DRONE PHOTOGRAPHY OF NEAR
PHUC YEN AIRFIELD . NO ZSU-23/4
HAS BEEN SEEN IN NORTH VIETNAM ON PHOTOGRAPHY
SINCE THAT SIGHTING.

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5. SPECIFICATIONS/DIMENSIONS:

THE ZSU-23/4 IS APPROXIMATELY LONG
AND APPROXIMATELY NINE FEET WIDE. (WORLD
SELF-PROPELLED ARTILLERY, DEPARTMENT OF THE
ARMY TM 30-311 KAC 24/5001-71 APRIL 1971 SECRET).

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6. MISSION READOUT:

TWENTY ZSU-23/4'S (14 DEPICTED ON GRAPHIC) WERE
OBSERVED AT NINH BINH TRAINING AREA. OF THESE, 18 (12 ON GRAPHIC)
WERE CANVAS-COVERED. THEY WERE PARKED WITHIN THE BARRACKS AND
TRAINING AREAS IN GROUPS OF THREE AND FOUR WEAPONS A PIECE. SEVEN

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PROBABLE ZSU-23/4'S WERE ALSO OBSERVED APPROXIMATELY 1.5 NM WEST OF THE MAIN FACILITY.

ADDITIONAL ACTIVITY WAS OBSERVED IN THE NINH BINH AREA ON 17 DECEMBER. TWO SA-2 SAM SITES IN THE NINH BINH TRAINING AREA WERE OCCUPIED.

A PROBABLE AIR DEFENSE UNIT WAS PRESENT AT PHU NHO QUAM, APPROXIMATELY 7 NM NORTHWEST OF NINH BINH TRAINING AREA. THIS AREA CONTAINED 32 AAA PIECES AND ONE ADDITIONAL AAA PIECE ON DISPLAY WITHIN A BARRACKS AREA.

[Redacted]

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ENLARGEMENT FACTOR: 40X

COLLATERAL PHOTOS: ZSU-23/4 WITHOUT CANVAS DEPARTMENT OF DEFENSE
IR 2901012267 CONFIDENTIAL

COMMENTS AND QUERIES REGARDING THIS REPORT ARE WELCOME. THEY MAY BE DIRECTED TO THE IMAGERY ANALYST, [Redacted] OF THE SOUTH ASIA BRANCH, SGD/IEG/NPIC, CODE 143, [Redacted]

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SENSITIVE SOURCES AND METHODS INVOLVED
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NATIONAL SUBSTANTIVE
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RETURN TO:
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ROOM 4N204

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NINH BINH TRAINING AREA, NORTH VIETNAM
20-13N 105-49E

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ZSU 23 4
ZSU 23 4 (CANVAS COVERED)

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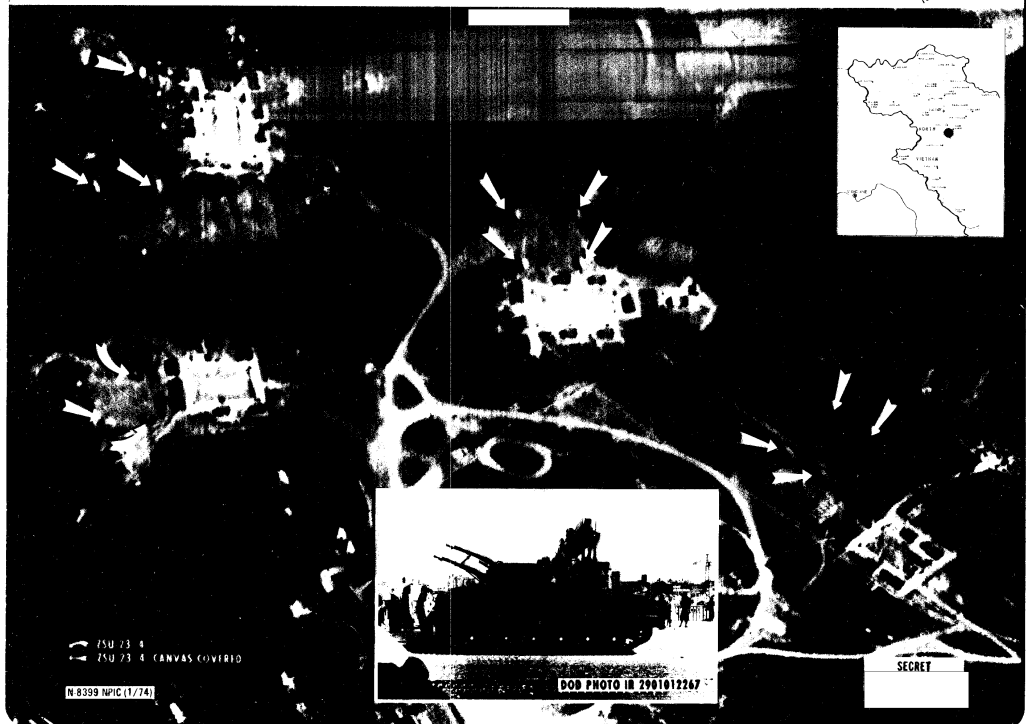
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NINH BINH TRAINING AREA, NORTH VIETNAM
20-13N 105-49E**

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ZSU 23 4
ZSU 23 4 CANVAS COVERED

N 8399 NPIC (1/74)

DOD PHOTO ID 2981012267

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