PHOTOGRAPHIC INTERPRETATION REPORT

BLACK SHIELD MISSION X-001

31 MAY 1967

NPIC/R-112/67
JUNE 1967

GROUP I EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

Approved For Release 2000/04/17: CIA-RDP78B04560A005800010027-6
WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 19.4, 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.
MEMORANDUM FOR: Recipients of BLACKSHIELD Mission Reports

SUBJECT: Amendment of BLACKSHIELD Caveats

It is requested that the following reports be stamped "NO FOREIGN DISSEMINATION":

NPIC/R-112/67, June 1967
NPIC/R-115/67, June 1967
NPIC/R-118/67, June 1967
NPIC/R-125/67, July 1967
NPIC/R-132/67, July 1967
NPIC/R-134/67, July 1967
NPIC/R-137/67, July 1967
NPIC/R-157/67, August 1967
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PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF MISSION BLACK SHIELD X001, 31 MAY 1967.

THE HEADER LINE FOR EACH TARGET, READING FROM LEFT TO RIGHT, CONTAINS THE TARGET NAME, COUNTRY CODE, GEOGRAPHIC COORDINATES, AND COMOR NUMBER.

PHOTO REFERENCE DATA INCLUDES FRAME NUMBERS, AND SYMBOLS DENOTING CONDITIONS, PHOTO INTERPRETABILITY, TARGET COVERAGE, AND THE MODE.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS -- C. (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), O (OBLIQUITY), AND GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPH IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS SIGNIFIED BY ST (STEREO), NS (NONSTEREO), OR PS (PARTIAL STEREO).
MISSILES

25X1A

LAO: CAI-SAM SEARCH
VN: 2229N 10359E
NO SAM ACTIVITY OBSERVED.

25X1D

DIEN BIEN: PHU SAM SEARCH
VN: 2123N 10301E
APPROXIMATELY 40 PERCENT OF THE SEARCH AREA COVERED BY 20 PERCENT CLOUD-FREE PHOTOGRAPHY. NO SAM INSTALLATIONS OBSERVED IN CLOUD-FREE AREAS.

25X1D

HANOI SAM SITE A10-2 (14)
VN: 2101N 10558E
SITE CONSISTS OF AT LEAST 4 OCCUPIED REVETTED LAUNCH POSITIONS WITH POSSIBLE MISSILES, AND AN OCCUPIED REVETTED CENTRAL GUIDANCE AREA. 2 POSSIBLE SA-2 MISSILES AND A GUIDANCE RADAR.

25X1D

HANOI SAM SITE A19-2 (15)
VN: 2055N 10550E
SITE CONSISTS OF AT LEAST 2 OCCUPIED REVETTED LAUNCH POSITIONS WITH POSSIBLE MISSILES. 2 POSSIBLE SA-2 MISSILES.

25X1D

HANOI SAM SITE A29-2 (4)
VN: 2104N 10541E
SITE IS UNOCCUPIED.

25X1D

HANOI SAM SITE B12-2 (3)
VN: 2056N 10604E
IDENTIFICATION ONLY.
HA NOI: SAM SITE B29-2 (17)
IDENTIFICATION ONLY.

HA NOI: SAM SITE B30-2 (16)
IDENTIFICATION ONLY.

HA NOI: SAM SITE B17-2 (1)
IDENTIFICATION ONLY.

HA NOI: SAM SITE B21-2 (2)
IDENTIFICATION ONLY.

HA NOI: SAM SITE D31-2 (8)
SITE IS UNOCCUPIED.

HA NOI: SAM SITE A11-2 (9)
SITE CONSISTS OF 4 OCCUPIED LAUNCH POSITIONS WITH POSSIBLE MISSILES, 1 POSSIBLY OCCUPIED POSITION, 1 UNOCCUPIED POSITION, AND AN OCCUPIED CENTRAL GUIDANCE AREA.

OB -- 4 POSSIBLE SA-2 MISSILES AND A GUIDANCE RADAR.
HA NOI: SAM SITE D36-2 (39) VN 2132N 10547E

SITE IS UNOCCUPIED.

HA NOI: SAM SITE C06-2 (32) VN 2119N 10615E

SITE CONSISTS OF 5 OCCUPIED REVETTED LAUNCH POSITIONS (AT LEAST 3 WITH MISSILES), 1 UNOCCUPIED REVETTED LAUNCH POSITION, AND AN OCCUPIED UNREVETTED CENTRAL GUIDANCE AREA. DB — AT LEAST 3 SA-2 MISSILES AND A GUIDANCE RADAR.

HA NOI: SAM SITE C07-2 (30) VN 2116N 10619E

IDENTIFICATION ONLY.

HA NOI: SAM SITE D31B-2 (29) VN 2123N 10520E

IDENTIFICATION ONLY.

HAI PHONG: SAM SITE A29-2 (21) VN 2052N 10634E

AT LEAST 4 POSITIONS UNOCCUPIED.

HAI PHONG: SAM SITE A28-2 (25) VN 2044N 10639E

SITE IS UNOCCUPIED.
HAI PHONG SAM SITE A29A-2 (37)  VN 2053N 10631E
SITE IS UNOCCUPIED.

HAI PHONG SAM SITE B33-2 (38)  VN 2107N 10630E
SITE IS UNOCCUPIED.

HAI PHONG SAM SITE B06-2 (47)  VN 2058N 10651E
IDENTIFICATION ONLY.

HAI PHONG SAM SITE C32-2 (58)  VN 2106N 10623E
IDENTIFICATION ONLY.

HAI PHONG SAM SITE C32A-2 (59)  VN 2106N 10622E
SITE IS UNOCCUPIED.

HAI PHONG SAM SITE B28-2 (60)  VN 2052N 10620E
SITE IS UNOCCUPIED.

HAI PHONG SAM SITE A07-2 (55)  VN 2055N 10650E
SITE IS UNOCCUPIED.
HAI PHONG SAM SITE A23-2 (66)  VN 2045N 10635E
SITE IS UNOCCUPIED.

HAI PHONG SAM SITE A33-2 (71)  VN 2056N 10636E
SITE IS UNOCCUPIED.

HAI PHONG SAM SITE C30-2 (72)  VN 2101N 10619E
AT LEAST 3 LAUNCH POSITIONS ARE UNOCCUPIED.

HAI PHONG SAM SITE C28-2 (73)  VN 2053N 10617E
SITE IS UNOCCUPIED.

HAI PHONG SAM SITE A02-2 (85)  VN 2056N 10642E
SITE IS UNOCCUPIED.

HAI PHONG SAM SUPPORT FACILITY  VN 2050N 10635E
FACILITY CONSISTS OF 1 DRIVE-THROUGH BUILDING, 5 DESTROYED/DISMANTLED BUILDINGS, AND 2 SUPPORT BUILDINGS. NO MISSILES OR MISSILE-RELATED ACTIVITY OBSERVED.

HAI PHONG SAM SITE A33A-2 (93)  VN 2054N 10638E
SITE CONSISTS OF 6 OCCUPIED LAUNCH POSITIONS AND AN OCCUPIED CENTRAL GUIDANCE AREA.
OB -- 6 SA-2 MISSILES AND GUIDANCE RADAR.

25X1D

HAI PHONG SAM SITE D02-2 (69) VN 2025N 10601E
IDENTIFICATION ONLY.

25X1D

THANH HOA SAM SITE D03-2 (79) VN 2021N 10604E
IDENTIFICATION ONLY.

25X1D

THANH HOA SAM SITE D04A-2 (112) VN 2020N 10611E
IDENTIFICATION ONLY.

25X1D

HA NOI SAM SITE B30A-2 (43) VN 2108N 10535E
IDENTIFICATION ONLY.

25X1D

HA NOI SAM SITE A17A-2 (45) VN 2052N 10554E
SITE CONSISTS OF 4 OCCUPIED REVETTED LAUNCH POSITIONS WITH MISSILES, AND AN OCCUPIED REVETTED CENTRAL GUIDANCE AREA. DB.- 4 SA-2 MISSILES AND 1 PROBABLE FAN SONG RADAR WITH ASSOCIATED VANS.

25X1D

HA NOI SAM SITE B33-2 (64) VN 2110N 10544E
SITE CONSISTS OF 6 OCCUPIED REVETTED LAUNCH POSITIONS WITH MISSILES AND AN OCCUPIED REVETTED CENTRAL GUIDANCE AREA.
OB -- 6 SA-2 MISSILES AND A PROBABLE FAN SONG RADAR AND ASSOCIATED VANS.

HA NOI SAM SITE D35-2 (75)
SITE IS UNOCCUPIED.

HA NOI SAM SITE C13-2 (81)
SITE IS UNOCCUPIED.

HA NOI SAM SITE C11-2 (84)
ONLY 2 LAUNCH POSITIONS AND CENTRAL GUIDANCE AREA OBSERVED. THE 2 POSITIONS ARE OCCUPIED BY UNIDENTIFIED OBJECTS. CENTRAL GUIDANCE AREA CONTAINS 5 VANS AND A PROBABLE FAN SONG RADAR.
OB --- PROBABLE FAN SONG RADAR AND 5 ASSOCIATED VANS.

HA NOI SAM SITE C12-2 (88)
SITE IS UNOCCUPIED.

HA NOI SAM SITE C30D-2 (92)
IDENTIFICATION ONLY.

HA NOI SAM SITE B07-2 (95)
SITE IS UNOCCUPIED.
HA NOI SAM SITE Ø6-2 (105)  
IDENTIFICATION ONLY.

HA NOI SAM SITE Ø34-2 (117)  
IDENTIFICATION ONLY.

HAI PHONG SAM SITE A27-2 (99)  
SITE CONSISTS OF: AT LEAST 2 OCCUPIED REVETTED LAUNCH POSITIONS WITH PROBABLE MISSILES, AND AN OCCUPIED CENTRAL GUIDANCE AREA.  
OB: 2 PROBABLE SA-2 MISSILES AND A GUIDANCE RADAR.

HAI PHONG SAM SITE Ø34-2 (104)  
SITE IS UNOCCUPIED.

HAI PHONG SAM SITE Ø6-2 (135)  
IDENTIFICATION ONLY.

HAI PHONG SAM SITE A14-2 (137)  
IDENTIFICATION ONLY.
HAI・PHONG SAM SITE B06B-2 (139)  
IDENTIFICATION ONLY.

HAI・PHONG SAM SITE D22-2 (152)  
IDENTIFICATION ONLY.

HAI・PHONG SAM SITE C21-2 (157)  
SITE IS UNOCCUPIED.

HAI・PHONG SAM SITE D23-2 (174)  
AT LEAST 3 POSITIONS UNOCCUPIED.

HA・NOI SAM SITE B17A-2 (118)  
SITE RETURNED TO CULTIVATION.

HA・NOI SAM SITE BO1-2 (119)  
SITE CONSISTS OF 5 OCCUPIED LAUNCH POSITIONS WITH MISSILES, 1 UNOCCUPIED LAUNCH POSITION, AND AN OCCUPIED GUIDANCE AREA.

OB -- 5 SA-2 MISSILES AND A GUIDANCE RADAR.

HA・NOI SAM SITE A33-2 (125)  
SITE IS UNOCCUPIED.
25X1D
HA NOI SAM SITE D36A-2 (126)
IDENTIFICATION ONLY.

25X1D
HA NOI SAM SITE B35-2 (132)
SITE RETURNED TO CULTIVATION.

25X1D
HA NOI SAM SITE A01-2 (133)
FIVE POSITIONS OCCUPIED BY LAUNCHERS WITH MISSILES, AND 
1 UNOCCUPIED POSITION. GUIDANCE AREA CONTAINS PROBABLE 
FAN SONG RADAR AND AT LEAST 12 VANS, 
DB -> 5 SA-2 MISSILES AND A FAN SONG RADAR.

25X1D
HA NOI SAM SITE C03A-2 (141)
IDENTIFICATION ONLY.

25X1D
HA NOI SAM SITE A14-2 (142)
IDENTIFICATION ONLY.

25X1D
HA NOI SAM SITE B07A-2 (148)
SITE IS UNOCCUPIED.
HA NOI: SAM SITE C17-2 (147) VN 2036N 10601E
SITE IS UNOCCUPIED.

HA NOI: SAM SITE A31-2 (159) VN 2104N 10546E
SITE CONSISTS OF AT LEAST 5 OCCUPIED LAUNCH POSITIONS WITH POSSIBLE MISSILES AND AN OCCUPIED GUIDANCE AREA. 08--5 POSSIBLE SA-2 MISSILES AND GUIDANCE RADAR.

HA NOI: SAM SITE C17A-2 (161) VN 2037N 10557E
SITE IS UNOCCUPIED.

HA NOI: SAM SITE B16-2 (162) VN 2049N 10557E
SITE IS UNOCCUPIED.

HA NOI: SAM SITE C17B-2 (165) VN 2033N 10600E
SITE IS UNOCCUPIED.

HA NOI: SAM SITE C16-2 (166) VN 2041N 10605E
SITE IS UNOCCUPIED.

HA NOI: SAM SITE D36B-2 (168) VN 2134N 10546E
SITE IS UNOCCUPIED.
HA NOI SAM SITE B13-2 (184)  VN: 2050N 10605E

SITE IS UNOCCUPIED.

VINH LINH SAM SITE A25-2 (177)  VN: 1701N 10655E

SITE IS UNOCCUPIED.

VINH LINH SAM SITE A26-2 (187)  VN: 1701N 10654E

SITE IS UNOCCUPIED.

YU-LIN COASTAL DEFENSE AND RADAR SITE  CH 1811N 10929E

3.5 NM SW OF YU-LIN ON LU-HUI-TOU-CHIAO (POINT). SITE CONSISTS OF TWO 4-GUN UNOCCUPIED COASTAL DEFENSE POSITIONS AND 2 RADAR PADS. COASTAL DEFENSE POSITIONS ARE ON SOUTHERN SLOPE OF HILL. EASTERNMOST POSITIONS ARE UNDER CONSTRUCTION WITH ADITS TO THE REAR. WESTERNMOST POSITIONS ARE COMPLETE WITH COVERED FIRING POSITIONS. RADAR PADS ARE ON TOP OF THE HILL. TWO SMALL SUPPORT BUILDINGS AND AN OCCUPIED 4-GUN LIGHT AAA SITE ARE ADJACENT. A SUPPORT AREA CONTAINING 1 ADMINISTRATION, 15 BARRACKS, 1 MESSHALL, AND 17 SUPPORT BUILDINGS IS WEST OF THE RADAR PADS. FOUR ADITS ARE JUST SOUTH OF THE SUPPORT AREA.

...4 LIGHT AAA PIECES, 4 CARGO TRUCKS, AND 1 LARGE UNIDENTIFIED PIECE OF EQUIPMENT BEING TOWED TOWARD THE COASTAL DEFENSE SITE UNDER CONSTRUCTION.

HAI PHONG SAM SUPPORT FACILITY/ASSEMBLY AR VN: 2056N 10628E

NO MISSILES OR MISSILE-ASSOCIATED EQUIPMENT OBSERVED.
AIR FACILITIES

LING-SHUI AIRFIELD
OB -- AT LEAST 9 PROBABLE FAGOT/FRESCO.

HAIPHONG/CAT BI AIRFIELD
OB -- NONE OBSERVED.

HAIPHONG/KIEN AN AIRFIELD
OB -- NONE OBSERVED.

HANOI/BAC MAI AIRFIELD
OB -- NONE OBSERVED.

HANOI/GIA LAM AIRFIELD
OB -- 9 FAGOT/FRESCO, 3 COLT, 1 POSSIBLE COLT FUSELAGE, 1 CRATE WITH LEFT WING REMOVED.

PHUC VINH AIRFIELD
HEAVY CLOUDS PRECLUDE DETAILED INTERPRETATION.
OB -- 1 FISHBED OBSERVED.
Black Shield 31 May 1967

25X1A

Hoa Lac Airfield

Identification Only.

Hanoi Helicopter Disp Area

Helicopter dispersal area located 3.8 nautical miles north of Hanoi on north bank of Red River from Ha Noi.

Contains at least 5 hook. A road and small parking area on the north side of the area serves as a probable transshipping point.

120 -- 5 hook.

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SECRET
YU-LIN NAVAL BASE AND PORT

Located at SE Edge of YU-LIN. YU-LIN NAVAL BASE AND SHIPYARD, BE FACILITIES INCLUDE 2 WHARVES, 2 MARINE RAILWAYS (EACH WITH 3 WAYS), A FLOATING SHEARLEGS CRANE AND NUMEROUS SUPPORT BUILDINGS.

YU-LIN PORT FACILITIES, BE FACILITIES INCLUDE A PIER, A QUAY (WITH 4 TEMPORARY HORIZONTAL POLTANKS), SEVERAL SUPPORT BUILDINGS, AND A GRAVING DOCK UNDER CONSTRUCTION (APPARENTLY COMPLETELY EXCAVATED WITH PROBABLE FOOTINGS/PILINGS IN POSITION NEAR THE CENTER OF THE EXCAVATION). OB -- 1 Kiangnan DE UNDERWAY APPROXIMATELY 3 NM SOUTH OF YU-LIN HEADING SOUTH.

At NAVAL BASE -- 3 KRONSHTADT-CLASS PC, 3 SHANGHAI-CLASS PTF, 11 POSSIBLE P-4-CLASS PT, 1 U.S. LST-1 LST, AND 5 SMALL CRAFT.

At PORT FACILITY -- 8 SHANGHAI-CLASS PTF (2 MOORED IN ROADSTEAD), 1 POSSIBLE COMBATANT (MOORED IN ROADSTEAD, 3 SMALL CRAFT, AND 4 CONSTRUCTION SUPPORT BARGES AT GRAVING DOCK AREA.

HAI PHONG PORT FACILITIES

VESSELS -- FOLLOWING DRY CARGO VESSELS OBSERVED IN PORT AREA -- 4 LARGE AND 5 SMALL CARRIERS, AND NUMEROUS BARGES. TEN DRY CARGO SHIPS (3 LARGE HATCH) AND 2 POLTANKERS OBSERVED IN ROADSTEAD.

OB -- 1 PROBABLE SHANGHAI-PTF, 1 J-TYPE TRAWLER/MINESWEEPER, 1 SO-1 SC WITH DECK AHASH AT NAVAL BASE PIER, AND NUMEROUS UNIDENTIFIED SMALL CRAFT.
MILITARY ACTIVITY:

HO-KOU ARMY BARRACKS NORTH

1.9 NM NORTH OF HO-KOU. MAIN AREA CONTAINS APPROXIMATELY 65 BUILDINGS. TWO VEHICLE PARKS LOCATED 2.2 NM WEST AND 1.7 NM WEST OF THE MAIN AREA CONTAIN A TOTAL OF 16 BUILDINGS. 08-99 9 PROBABLE CARGO TRUCKS.

LING-SHUI POSSIBLE MILITARY BARRACKS AREA

CH: 1831N 11002E

IDENTIFICATION ONLY.

LING-SHUI MILITARY TRAINING AREA

CH: 1828N 10958E

LOCATED 2.5 NM SW OF LING-SHUI. BARRACKS AREA APPEARS TO BE ASSOCIATED WITH LING-SHUI AIRFIELD.

TSA-TI PAQ ROAD

CH: 2302N 10341E

ROAD OBSERVED FROM 2253N 10333E TO THE NORTH VIETNAM BORDER AT 2230N 10350E. ROAD IS COMPLETE AND OPERATIONAL. NO NEW CONSTRUCTION OR VEHICLES OBSERVED.

HA NOI LAO CARR REF SEGMENT 1

VN 2220N 10410E

TWENTY FIVE PIECES OF ROLLING STOCK AND 1 LOCOMOTIVE OBSERVED AT 222000N 104100E AND 12 PIECES OF ROLLING STOCK ON SIDINGS AT 2225N 104030E.
RAIL LINE OBSERVED FROM 2132°N 105°02'00"E TO 2128°N 105°60'00"E. QUALITY OF PHOTOGRAPHY PRECLUDES DETERMINATION OF SERVICEABILITY OF RAIL LINE.

HA NOI/LAO CAI RR SEGMENT 4

RAIL LINE OBSERVED FROM 2128°N 105°60'00"E TO 2118°N 105°27'00"E. QUALITY OF PHOTOGRAPHY PRECLUDES DETERMINATION OF SERVICEABILITY OF RAIL LINE.

HA NOI/LAO CAI RR SEGMENT 5

RAIL LINE APPEARS SERVICEABLE FROM 2108°N 105°52'00"E TO 2112°00'N 105°45'00"E.
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**Title:** NFIC/R-112/67  
**Date:** June 1967  
**Location:**  

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