

**TOP SECRET**

*SUPPLEMENT*

PHOTOGRAPHIC INTERPRETATION REPORT



**KH-4 MISSION 1108**

**IPIR NUMBER 17**

**OAK SUPPLEMENT PART XIII**

**5-21 DECEMBER 1969**

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**WARNING**

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**TARGET CATEGORIES  
AND  
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**

- |   |   |
|---|---|
| <p>1. STRATEGIC SSM<br/>    Deployed Strategic SSM Facilities (A)</p> <p>2. MISSILE RANGES<br/>    Missile Ranges: Strategic SSM/Space Facilities (P)<br/>    Missile Ranges: Air-Launched Missile Facilities (Q)<br/>    Missile Ranges: Naval-Launched Missile Facilities (R)<br/>    Missile Ranges: Tactical SSM Facilities (S)<br/>    Missile Ranges: SAM/AMM Facilities (T)</p> <p>3. AIR DEFENSE MISSILES<br/>    Deployed AMM Facilities (B)<br/>    Deployed SAM Facilities (D)</p> <p>4. ELECTRONICS/COMMUNICATIONS<br/>    Deployed Communication/Electronic/Radar Facilities (C)</p> <p>5. AIR<br/>    Air Base Facilities (E)</p> <p>6. NAVAL<br/>    Naval Base Facilities (F)</p> | <p>7. GROUND<br/>    Ground Force Facilities (G)</p> <p>8. TACTICAL SSM<br/>    Deployed Tactical SSM Facilities (H)</p> <p>9. LOGISTICS<br/>    Military Logistics Facilities (K)</p> <p>10. NUCLEAR ENERGY<br/>    Atomic Energy Facilities (O)</p> <p>11. CBR<br/>    CBR Facilities (V)</p> <p>12. INDUSTRY<br/>    Strategic Weapons Industrial Facilities (J)<br/>    General Purpose Weapons Industrial Facilities (L)<br/>    Non-Military Industrial Facilities (N)<br/>    Communication/Electronic/Radar R&amp;D Facilities (U)</p> <p>13. MISCELLANEOUS<br/>    Non-Military Logistics Facilities (M)<br/>    Miscellaneous/Unidentified Facilities (Z)</p> |
|---|---|

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

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PREFACE

PREFACE

THIS IS THE THIRTEENTH OAK SUPPLEMENT REPORT ON MISSION 1108.  
FOR COMPLETE PREFACE SEE THE FIRST OAK SUPPLEMENT REPORT.

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CHINA  
NAVAL BASE FACILITIES

**SIGNIFICANT RESULTS**

25X1D SHAN-TOU NAVAL BASE  
 [REDACTED] NAC [REDACTED] 25X1D  
 [REDACTED] 25X1A  
 STATUS: OPERATIONAL

25X1D NAVAL ORDER OF BATTLE:  
 [REDACTED]  
 2 PROB HAINAN PC AT PIER  
 1 PROB AO AT WHARF  
 SEVERAL SMALL VESSELS

25X1D [REDACTED]  
 4 POSS VESSELS AT WHARVES

25X1D [REDACTED] 25X1D

25X1D SHAN-TOU NAVAL REPAIR FACILITY  
 [REDACTED] NAC [REDACTED] 25X1A  
 STATUS: OPERATIONAL

25X1D NAVAL ORDER OF BATTLE:  
 1 PROB HAINAN PC AT WHARF 1 POSS SHANGHAI PGM IN  
 1 PROB SHANGHAI PGM ON WAY GRAVING DOCK

25X1D [REDACTED] 25X1D

25X1D SHAN-WEI PORT FACILITIES  
 [REDACTED] NAC [REDACTED] 25X1A  
 STATUS: OPERATIONAL

REMARKS:  
 THIS FACILITY APPARENTLY IS NOT CAPABLE OF BERTHING AND

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CHINA  
NAVAL BASE FACILITIES

HANDLING OCEANGOING CARGO VESSELS.

NAVAL ORDER OF BATTLE:  
NUMEROUS SMALL VESSELS

25X1D

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CHINA  
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

CHANG-TIEN-HO-KOU ARMY BKS NNW AL 1

STATUS: OCCUPIED

25X1A

PHYSICAL DESCRIPTION:

5 NM NW OF CHANGTIENHOKOU,  
THE INFANTRY REGIMENTAL AREA CONSISTS OF A HEADQUARTERS AREA,  
THREE BATTALION AREAS, AND A PROBABLE HOUSING AREA. THE  
HEADQUARTERS AND BATTALION AREAS ARE LOCATED AT THE SOUTHERN  
END OF THE INSTALLATION.

THE HEADQUARTERS AREA CONTAINS ONE C-SHAPED ADMINISTRATION  
BUILDING, SIX BARRACKS, ONE H-SHAPED HEADQUARTERS/SUPPORT  
BUILDING, ONE PROBABLE MESSHALL, ONE AUDITORIUM, AND NINE  
STORAGE/SUPPORT BUILDINGS.

THE THREE BATTALION AREAS CONTAIN 30 BARRACKS, 12  
BARRACKS/SUPPORT BUILDINGS, THREE C-SHAPED ADMINISTRATION  
BUILDINGS, THREE MESSHALLS, AND 17 STORAGE/SUPPORT BUILDINGS.

THE PROBABLE HOUSING AREA, 900 METERS NORTH OF THE HEADQUARTERS  
AREA, CONTAINS 14 BARRACKS-TYPE BUILDINGS, THREE STORAGE  
BUILDINGS, AND FIVE STORAGE/SUPPORT BUILDINGS.

A STORAGE AREA ADJACENT TO THE PROBABLE HOUSING AREA CONTAINS  
SIX WAREHOUSE-TYPE BUILDINGS AND APPROXIMATELY TEN OTHER  
BUILDINGS.

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

25X1D

FANG-SHAN ARMY BARRACKS

25X1D

25X1A

STATUS: OCCUPIED

REMARKS:

ONE LARGE MULTISTORY BUILDING AND TWO BARRACKS/SUPPORT



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CHINA  
GROUND FORCE FACILITIES

25X1D

BUILDINGS HAVE BEEN CONSTRUCTED SINCE [REDACTED]

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

[REDACTED]

25X1D

25X1D

NEI-HSIANG PROB MILITARY INSTALLATION  
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1A

REMARKS:  
THE INSTALLATION DOES NOT APPEAR TO BE MILITARY IN NATURE.

GROUND FORCE ORDER OF BATTLE:  
9 UNIDENTIFIED  
VEHICLES/PIECES OF  
EQUIPMENT IN AREA B

25X1D

[REDACTED]

25X1D

25X1D

NIU-LAN-SHAN ARMY BARRACKS AL 1  
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1A

25X1D

GROUND FORCE ORDER OF BATTLE:  
[REDACTED]  
22 VEHICLES/PIECES OF  
EQUIPMENT (AT LEAST)

25X1D

[REDACTED]  
23 PROB FA PIECES (AT  
LEAST)

22 PROB CARGO TRUCKS

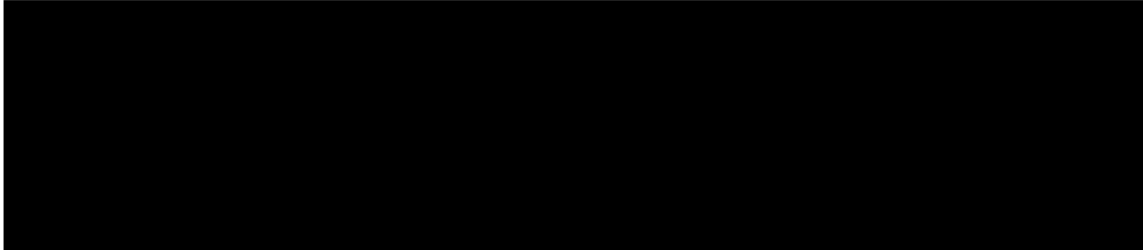
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CHINA  
GROUND FORCE FACILITIES

25X1D



25X1D

25X1D

SHA0-KUAN ARMY BARRACKS AL 1



STATUS:OCCUPIED

25X1A

25X1A

REMARKS:

NUMEROUS VEHICLE REVETMENTS ARE OBSERVED THROUGHOUT THE  
INSTALLATION.

GROUND FORCE ORDER OF BATTLE:

2 POSS CARGO TRUCKS

15 POSS VEHICLES IN VEHICLE  
REVETMENTS

25X1D



25X1D

25X1D

WU-HSI HQ 27 ARMY AL 9



25X1A



STATUS:NEGATED

25X1A

REMARKS:

NO HEADQUARTERS AREA IS OBSERVED AT THE REFERENCED COORDINATES.

25X1D



25X1D

25X1D

WU-SU ARMY BARRACKS AL 1



STATUS:NEGATED

25X1A

25X1A

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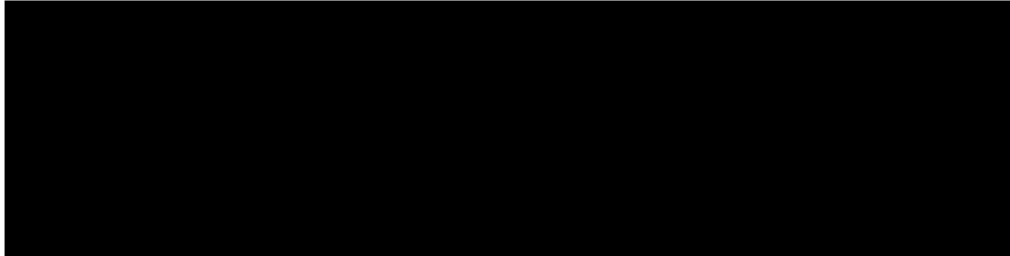
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CHINA  
GROUND FORCE FACILITIES

REMARKS:  
NO MILITARY BARRACKS ARE OBSERVED AT THE REFERENCED  
COORDINATES.

25X1D



25X1D

YUNG-TIEN-CHENG ARMY BARRACKS AL 1

25X1D

STATUS: OCCUPIED

25X1A

PHYSICAL DESCRIPTION:

12 NM SE OF KUANTIEN.

A PROBABLE INFANTRY REGIMENT CONSISTS OF FOUR SEPARATE AREAS.

25X1D

AREA A (THE HEADQUARTERS AREA), AT 40-33-███ N 124-49-███ E, CONTAINS SIX BARRACKS, THREE ADMINISTRATION BUILDINGS (ONE C-SHAPED), ONE PROBABLE H-SHAPED MESSHALL, ONE AUDITORIUM, TWO VEHICLE/EQUIPMENT SHEDS, AND APPROXIMATELY 15 STORAGE/SUPPORT BUILDINGS.

25X1D

AREA B (A BATTALION AREA), 900 METERS WEST OF AREA A, CONTAINS TEN BARRACKS, FOUR BARRACKS/SUPPORT BUILDINGS, ONE C-SHAPED ADMINISTRATION BUILDING, ONE MESSHALL, FOUR VEHICLE/EQUIPMENT SHEDS, ONE STORAGE BUILDING, AND 16 STORAGE/SUPPORT BUILDINGS.

AREA C (A BATTALION AREA), 900 METERS SW OF AREA A, CONTAINS TEN BARRACKS, FOUR BARRACKS/SUPPORT BUILDINGS, ONE C-SHAPED ADMINISTRATION BUILDING, ONE MESSHALL, ONE STORAGE BUILDING, AND EIGHT STORAGE/SUPPORT BUILDINGS.

AREA D (A BATTALION AREA), 900 METERS EAST OF AREA A, CONTAINS TEN BARRACKS, TEN BARRACKS/SUPPORT BUILDINGS, ONE VEHICLE/EQUIPMENT SHED, AND THREE STORAGE/SUPPORT BUILDINGS.

A PROBABLE DEPENDENTS HOUSING AREA IS ADJACENT TO THE WEST EDGE OF AREA A AND CONTAINS 16 BARRACKS-TYPE BUILDINGS.

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

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CHINA  
GROUND FORCE FACILITIES

25X1D



OTHER RESULTS-NO APPARENT CHANGE

25X1D

LO-YANG ARMY SCHOOL AND BARRACKS WEST

25X1D



STATUS: OCCUPIED

25X1A

REMARKS:

TWELVE LARGE VEHICLE REVETMENTS AND 38 SMALLER VEHICLE  
REVETMENTS HAVE BEEN CONSTRUCTED 1.1 NM NORTH OF THE  
INSTALLATION ALONG THE SOUTH EDGE OF THE CHIENHO RIVER.

GROUND FORCE ORDER OF BATTLE:

15 VEHICLES/PIECES OF  
EQUIPMENT IN THE NEW  
REVETMENTS

25X1D



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CHINA  
LOGISTICS

**SIGNIFICANT RESULTS**

25X1D

25X1D KU-CHI-KU SUPPORT COMPLEX

STATUS: OCCUPIED

25X1A

REMARKS:

ACTIVITY APPEARS TO BE LIGHT. APPROXIMATELY 20 PIECES OF ROLLING STOCK AND TWO STEAM LOCOMOTIVES ARE IDENTIFIED IN THE RAIL YARDS.

25X1D

25X2

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CHINA  
INDUSTRY

SIGNIFICANT RESULTS

25X1D

HA-ERH-PIN AMMUNITION PLANT  
NAC

25X1D

STATUS: OPERATIONAL

25X1A

REMARKS:

THE PLANT APPEARS TO BE ACTIVE. SMOKE IS BEING EMITTED FROM ONE OF THE SMALL FORGE/FOUNDRIES. THE INTERIOR ROADS OF THE PLANT ARE CLEARED OF SNOW.

25X1D



25X1D

LENG-HU PETROLEUM REFINERY AND STORAGE  
NAC

25X1D

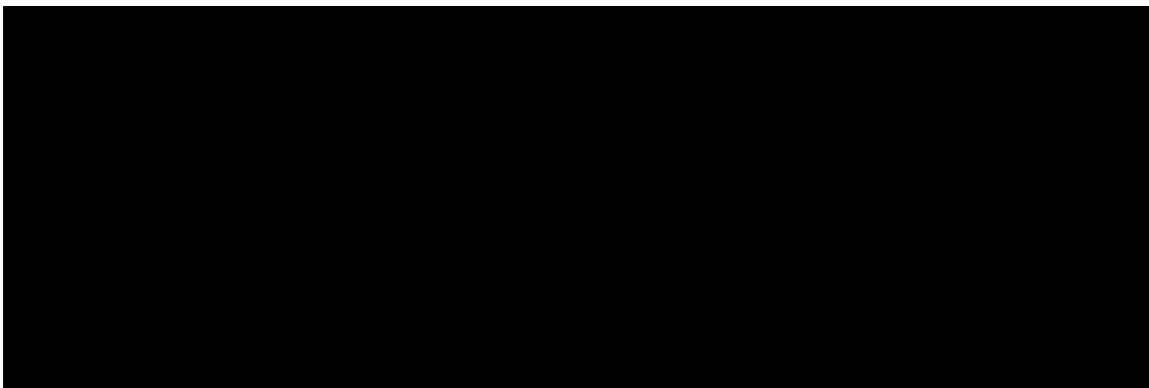
STATUS: OPERATIONAL

25X1A

REMARKS:

ONE SPRAY POND AT THE THERMAL STEAM AND POWERPLANT IS OPERATING.

25X1D



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CHINA  
MISCELLANEOUS

SIGNIFICANT RESULTS

25X1D

CHI-LIN COMPLEX

25X1A

25X1D

STATUS: OCCUPIED

25X1A

REMARKS:

25X1A

THE OVERALL LEVEL OF INDUSTRIAL ACTIVITY APPEARS TO BE MODERATE. SMOKE AND/OR STEAM IS BEING EMITTED FROM THE STEEL PLANT, THE CEMENT PLANT, THE LUMBER PRODUCTS PLANT, THE THERMAL POWERPLANT [REDACTED] AND THE LARGE CHEMICAL COMBINE ON THE NORTH EDGE OF THE COMPLEX. CHILIN RAILROAD YARDS AND SHOPS

25X1A

[REDACTED] APPEAR TO BE APPROXIMATELY 25 PERCENT OCCUPIED.

25X1D

[REDACTED]



25X1D

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UNITED ARAB REPUBLIC  
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

AL QAHIRAH AREA VEHICLE CONVOY  
[REDACTED] 0000 [REDACTED]

STATUS: TRANSITORY

REMARKS:

A VEHICLE CONVOY WITH THE VEHICLES PARKED IN 30 LINES PARALLEL  
TO A DESERT ROAD IS OBSERVED 17 NM WSW OF AL QAHIRAH (CAIRO),  
EGYPT, AND 10 NM WEST OF AL QAHIRAH PYRAMIDS BARRACKS [REDACTED]

25X1A

25X1A

25X1D

[REDACTED] AT 29-56-N 030-56-E.

25X1D

GROUND FORCE ORDER OF BATTLE:  
300 VEHICLES (AT LEAST)

25X1D

[REDACTED]

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UNITED ARAB REPUBLIC  
INDUSTRY

SIGNIFICANT RESULTS

25X1D

AL QAHIRAH AIRFRAME PLT HELWAN 36

25X1D

STATUS: OPERATIONAL

25X1A

25X1A

REMARKS:

25X1D

THE TWO WAREHOUSES, REPORTED ON [REDACTED] IN THE  
NORTHEASTERN CORNER OF THE MAIN PLANT AREA ARE COMPLETE. THE  
TWO LARGE ASSEMBLY BUILDINGS REPORTED UNDER CONSTRUCTION IN THE  
NEW PLANT AREA ON [REDACTED] ARE ALSO COMPLETE. THE  
FLAT-ROOFED BUILDING AND A SHOP BUILDING, REPORTED ON MISSION  
[REDACTED] ARE NOW INTEGRAL PARTS OF THE CENTRAL ASSEMBLY BUILDING  
IN THE NEW PLANT AREA. AN EXCAVATION AND POSSIBLY FOOTINGS ARE  
OBSERVED BETWEEN THE TWO LARGE BUILDINGS IN THE CENTRAL PORTION  
OF THE NEW PLANT AREA. CONSTRUCTION CONTINUES IN THE AREA WEST  
OF THE ENGINE TEST CELLS.

25X1D

25X1D

AT LEAST 21 SWEEP-WING AND 19 DELTA-WING AIRCRAFT ARE OBSERVED  
IN THE SAME AREA WHERE THE DECOY AIRCRAFT WERE OBSERVED ON  
[REDACTED]

25X1D

ASSOCIATED OBJECTS:

23 DELTA-WING

23 SWEEP-WING

1 DELTA/SWEEP-WING

25X1D

[REDACTED]

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**NORTH KOREA  
AIR DEFENSE MISSILES**

**SIGNIFICANT RESULTS**

25X1D NAMPO SAM SITE B30-2 25X1D  
[REDACTED] NAC [REDACTED]  
STATUS: OPERATIONAL 25X1A

25X1D [REDACTED]

25X1D PYONGYANG SAM SITE C33-2 25X1D  
[REDACTED] NAC [REDACTED]  
STATUS: OCCUPIED 25X1A

REMARKS:  
ALL SIX LAUNCH POSITIONS AND THE CENTRAL GUIDANCE AREA APPEAR OCCUPIED.

MISSILE ORDER OF BATTLE:  
6 POSS LAUNCHERS  
1 PROB RADAR IN THE CENTRAL GUIDANCE AREA

25X1D [REDACTED] 25X1D

25X1D PYONGYANG SAM SUPPORT FACILITY 25X1D  
[REDACTED] NAC [REDACTED]  
STATUS: OPERATIONAL 25X1A

25X1D [REDACTED]

**OTHER RESULTS-NO APPARENT CHANGE**

25X1D PYONGYANG POSSIBLE SAM SITE 25X1D  
[REDACTED] NAC [REDACTED] 25X1A

25X1D

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NORTH KOREA  
LOGISTICS

SIGNIFICANT RESULTS

25X1D

HAMHUNG RAILROAD YARDS  
[REDACTED] NAC

25X1D

[REDACTED]

STATUS: OPERATIONAL

25X1A

REMARKS:

ACTIVITY IS LIGHT. THE YARD IS APPROXIMATELY 10 PERCENT  
FILLED. SMALL SCALE PRECLUDES A COUNT OF ROLLING STOCK.

25X1D

[REDACTED]

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NORTH KOREA  
INDUSTRY

SIGNIFICANT RESULTS

25X1D [REDACTED] 25X1D  
HAMHUNG GENERAL MACHINERY PLANT  
[REDACTED] NAC [REDACTED]  
STATUS: OPERATIONAL 25X1A

25X1D [REDACTED]  
ASSOCIATED OBJECTS:  
3 ROWS OF UNIDENTIFIED  
MATERIAL IN OPEN STORAGE

25X1D [REDACTED] 25X1D  
HONG GUN-NI HPP HOCHON-GANG 1  
[REDACTED] [REDACTED]  
25X1D [REDACTED] 25X1A  
STATUS: OPERATIONAL

25X1D [REDACTED] 25X1D  
PHYSICAL DESCRIPTION:  
1,080 METERS SSW OF HONGGUN-NI,  
THE FACILITY CONSISTS OF A POWERHOUSE, A SWITCHING YARD, FOUR  
PENSTOCKS, AND A SURGE TANK.

25X1D [REDACTED] 25X1D  
SANGNONG-NODONG JAGU HPP HOCHON-GANG 3  
[REDACTED] [REDACTED]  
25X1D [REDACTED] 25X1A  
STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:  
1,260 METERS NORTH OF SANGNONG-NI,  
THE FACILITY CONSISTS OF A POWERHOUSE, FOUR PENSTOCKS, A SURGE  
TANK, A SURGE TANK OVERFLOW PIPE, AND A SWITCHING YARD.

25X1D

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NORTH KOREA  
MISCELLANEOUS

SIGNIFICANT RESULTS

25X1D

HYESAN COMPLEX

25X1D

[REDACTED]

25X1A

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

ON THE EAST BANK OF THE YALU RIVER,  
THE INDUSTRIAL AND RESIDENTIAL COMPLEX CONSISTS OF A MEDIUM  
FABRICATION INDUSTRY, A RAIL YARD (AT LEAST EIGHT TRACKS WIDE),  
A PROBABLE RADIO STATION, COMMERCIAL BUILDINGS, AND RESIDENTIAL  
HOUSING.  
THE FABRICATION PLANT AND RAIL YARD ARE ACTIVE.

25X1D

ASSOCIATED OBJECTS:

1 LOCOMOTIVE UNDER POWER  
AN UNDETERMINED NUMBER OF  
RAIL CARS IN RAIL YARD

25X1D

[REDACTED]

25X1D

WONSAN COMPLEX

25X1D

[REDACTED]

STATUS: OPERATIONAL

25X1A

PHYSICAL DESCRIPTION:

THE INDUSTRIAL AND RESIDENTIAL PORT COMPLEX IS APPROXIMATELY 5  
SQ NM IN AREA AND CONSISTS OF HEAVY AND LIGHT FABRICATION  
INDUSTRIES, POL STORAGE FACILITIES, A RAIL YARD, PORT  
FACILITIES, AND GOVERNMENTAL AND COMMERCIAL FACILITIES.

25X1D

[REDACTED]

25X1D

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TIBET  
AIR BASE FACILITIES

**SIGNIFICANT RESULTS**

25X1D

KUNG-KA AIRFIELD

25X1D

STATUS: OPERATIONAL

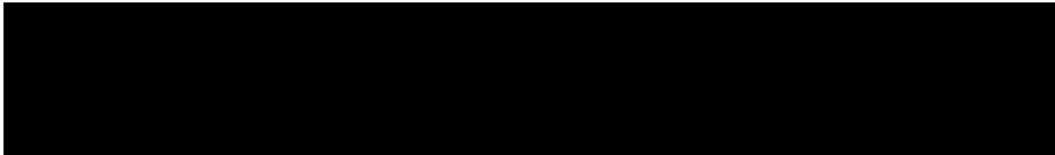
25X1A

**REMARKS:**

A PROBABLY ASSOCIATED POL STORAGE AREA IS LOCATED 3 NM WSW OF THE AIRFIELD. THE POL AREA CONTAINS 14 STORAGE/SUPPORT BUILDINGS AND SIX EARTH-COVERED POL BUNKERS. AT LEAST 40 VEHICLES ARE PARKED WITHIN THE POL AREA.

**AIR ORDER OF BATTLE:**  
1 CAT/CUB

25X1D



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**TOP SECRET CHESS RUFF**

TCS 20013/70 IPIR 17  
KH-4 MISSION 1108

TIBET  
GROUND FORCE FACILITIES

**SIGNIFICANT RESULTS**

25X1D

SO-HSIEN ARMY INSTALLATION

25X1D

STATUS: OCCUPIED

25X1A

**PHYSICAL DESCRIPTION:**

900 METERS NORTH OF TOPA.  
THE INSTALLATION CONSISTS OF TWO WALL-SECURED AREAS. THE  
NORTHERN AREA CONTAINS TWO PROBABLE ADMINISTRATION BUILDINGS,  
TEN BARRACKS, AND TWO SUPPORT BUILDINGS. THE SOUTHERN AREA  
CONTAINS 16 BARRACKS AND 11 SUPPORT BUILDINGS.

**GROUND FORCE ORDER OF BATTLE:**  
NONE DISCERNIBLE

25X1D

25X1D

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USSR  
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D Khabarovsk SAM Complex B08-5 25X1D  
[REDACTED] 25X1A  
STATUS: OCCUPIED

REMARKS:

THE 18 LAUNCH POSITIONS, THE THREE SQUARE PAIR RADAR MOUNDS, AND THE AIR WARNING RADAR FACILITY ARE OCCUPIED. THREE BUILDINGS REMAIN UNDER CONSTRUCTION IN THE SUPPORT FACILITY. A PERIMETER WALL IS NEWLY OBSERVED EXTENDING FROM NEAR THE SUPPORT FACILITY ALONG THE NORTH SIDE OF LAUNCH SITE A. A SIMILAR BUT SMALLER WALL EXTENDS ALONG THE SOUTH SIDE OF LAUNCH SITE C.

25X1D [REDACTED]

25X1D KORDON SAM TRAINING CENTER 25X1D  
[REDACTED] NAC [REDACTED] 25X1A  
STATUS: OCCUPIED

25X1D [REDACTED]

25X1D Leningrad SAM Site B29-3 25X1D  
[REDACTED] NAC [REDACTED] 25X1A  
STATUS: OCCUPIED

25X1D [REDACTED]

25X1D

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TOP SECRET CHESS RUFF

TCS 20013/70 IPIR 17  
KH-4 MISSION 1108

USSR  
COMMO/ELEC/RADAR FACILITIES

SIGNIFICANT RESULTS

25X1D

MEZHDURECHYE RAD COM FAC

25X1D

STATUS: COMPLETE

25X1A

REMARKS:

THE SECURED FACILITY CONSISTS OF A LARGE DUAL EARTH-COVERED CONTROL BUNKER, TWO EARTH-COVERED TANKS, AND A LARGE RECTANGULAR COOLING POND. THE ANTENNA FIELD CONSISTS OF A LARGE SEMI-CIRCULAR ARRAY WITH 11 TOWERS AND SEVEN ANTENNA TUNING BUILDINGS. NUMEROUS MASTS AND TOWERS OF UNIDENTIFIED FUNCTION ARE NEAR THE CONTROL BUNKER. A SUPPORT AREA TO THE SOUTH CONSISTS OF APPROXIMATELY 25 BUILDINGS.

25X1D

25X1D

SARAPULSKOYE HF COMMUNICATIONS FAC

25X1D

STATUS: UNDER CONSTRUCTION

25X1A

REMARKS:

THE CONTROL AREA WHICH IS UNDER CONSTRUCTION CONTAINS ONE CONTROL BUILDING AND TWO SUPPORT BUILDINGS. THE ANTENNA FIELD CONTAINS CLEARINGS FOR 20 FISHBONE RECEIVING ANTENNAS. THE SCALE OF PHOTOGRAPHY PRECLUDES IDENTIFICATION OF ANTENNA MASTS. A TRANSMITTING FACILITY WHICH HAS ANTENNAS ORIENTED ON THE SAME AZIMUTH IS 13.7 NM ENE OF THIS FACILITY, NEAR SINDA.

25X1D



25X1D

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TOP SECRET CHESS RUFF

TCS 20013/70 IPIR 17  
KH-4 MISSION 1108

USSR  
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D CHERNYAKHOVSK AIRFIELD  
[REDACTED] NAC

25X1D

STATUS: OPERATIONAL

25X1A

25X1D AIR ORDER OF BATTLE:

36 SMALL SWEEP/DELTA-WING  
(AT LEAST)  
4 PROB CAB

2 PROB MEDIUM HELICOPTERS  
3 SMALL AIRCRAFT

25X1D [REDACTED]  
3 LIGHT STRAIGHT-WING (AT  
LEAST)

25X1D [REDACTED]

25X1D KALININGRAD/YEZAU AIRFIELD  
[REDACTED]

25X1D

STATUS: OPERATIONAL

25X1A

25X1A

REMARKS:  
THE RUNWAY IS NOW SERVICEABLE.

25X1D AIR ORDER OF BATTLE:  
7 SMALL SWEEP/DELTA-WING  
(AT LEAST)

[REDACTED]

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**TOP SECRET CHESS RUFF**

TCS 20013/70 IPIR 17  
KH-4 MISSION 1108

USSR  
NAVAL BASE FACILITIES

**SIGNIFICANT RESULTS**

25X1D

25X1D

SUBMARINE ON NW COURSE NEAR DUNAY  
0000

STATUS:TRANSITORY

REMARKS:

A LARGE SUBMARINE ON A NORTHWESTERLY COURSE IS OBSERVED 4 NM  
SSW OF DUNAY SUBMARINE BASE BUKHTA KONYUSHKOVA  
USSR, AT 42-48 N 132-04 E.

25X1A

NAVAL ORDER OF BATTLE: 25X1D 25X1D  
1 LARGE SUBMARINE

25X1D

[REDACTED]

25X1D

25X1D

SUBMARINE SIGHTING NEAR DUNAY  
0000

STATUS:TRANSITORY

REMARKS:

A SUBMARINE IS DEAD IN THE WATER 4 NM SW OF DUNAY SUBMARINE  
BASE BUKHTA KONYUSHKOVA  
USSR, AT 42-50 N 132-20 E.

25X1D

25X1A

NAVAL ORDER OF BATTLE:  
1 MEDIUM SS

25X1D

[REDACTED]

25X1D

25X1D

SUBMARINE SIGHTING NEAR VLADIVOSTOK  
0000

STATUS:TRANSITORY

REMARKS:

A SUBMARINE ON A SOUTHWESTERLY COURSE IS OBSERVED 15 NM SOUTH  
OF VLADIVOSTOK, USSR, AT 42-51 N 131-57 E.

25X1D

25X1D

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TOP SECRET CHESS RUFF

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USSR  
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

BAGRATIONOVSK ARMY BARRACKS AL 2  
[REDACTED] NAC [REDACTED]

STATUS: OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
20 VEHICLES (APPROXIMATELY)

25X1D

[REDACTED]

25X1D

25X1D

CHERNYAKHOVSK ARMY BKS AL 7  
[REDACTED] [REDACTED] [REDACTED]

STATUS: NEGATED

25X1A

25X1A

REMARKS:  
NO MILITARY INSTALLATION IS OBSERVED IN THE VICINITY OF THE  
REFERENCED COORDINATES.

25X1D

[REDACTED]

25X1D

25X1D

KORNEVO ARMY BARRACKS AL 1  
[REDACTED] NAC [REDACTED]

STATUS: OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
25 VEHICLES OR PIECES OF  
EQUIPMENT (AT LEAST)

25X1D

[REDACTED]

25X1D

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TOP SECRET CHESS RUFF

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KH-4 MISSION 1108

USSR  
LOGISTICS

SIGNIFICANT RESULTS

25X1D MAMONOVO RR TRANSLOADING YARD  
[REDACTED] NAC [REDACTED] 25X1D  
STATUS: OPERATIONAL 25X1A  
REMARKS:  
THE RAIL YARD IS APPROXIMATELY 20 PERCENT FILLED. THERE IS NO  
INDICATION OF TROOP OR SUPPLY BUILDUP.  
25X1D [REDACTED]

25X1D MAMONOVO RR TRANSLOADING YARD SOUTH  
[REDACTED] NAC [REDACTED] 25X1D  
STATUS: OPERATIONAL 25X1A  
REMARKS:  
FIVE RAILCARS ARE OBSERVED. THERE ARE NO INDICATIONS OF TROOP  
OR SUPPLY BUILDUP.  
25X1D [REDACTED]

25X1D MAMONOVO TRANSLOADING YARD NE  
[REDACTED] NAC [REDACTED] 25X1D  
STATUS: OPERATIONAL 25X1A  
REMARKS:  
THE RAIL YARD APPEARS TO BE LESS THAN 5 PERCENT FILLED. THERE  
IS NO INDICATION OF TROOP OR SUPPLY BUILDUP.  
25X1D [REDACTED]

25X1D

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**TOP SECRET CHESS RUFF**

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USSR  
INDUSTRY

**SIGNIFICANT RESULTS**

25X1D

25X1D

KAZAN AIRFRAME PLANT B-387

[REDACTED]

[REDACTED]

[REDACTED]

STATUS: OPERATIONAL

25X1A

25X1A

**REMARKS:**

CONSTRUCTION STATUS ON THE NEW BUILDINGS IS UNDETERMINED DUE TO SHADOWS.

**ASSOCIATED OBJECTS:**

10 POSS HELICOPTERS (AT LEAST)

25X1D

[REDACTED]

**OTHER RESULTS-NO APPARENT CHANGE**

25X1D

25X1D

KAZAN AIRFRAME PLANT A-387

[REDACTED]

NAC

[REDACTED]

STATUS: OPERATIONAL

25X1A

25X1D

IMAGERY:

[REDACTED]

25X1D

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TOP SECRET CHESS RUFF

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NORTH VIETNAM  
INDUSTRY

SIGNIFICANT RESULTS

25X1D

HAI PHONG THERMAL POWER PLANT WEST

25X1D



25X1A



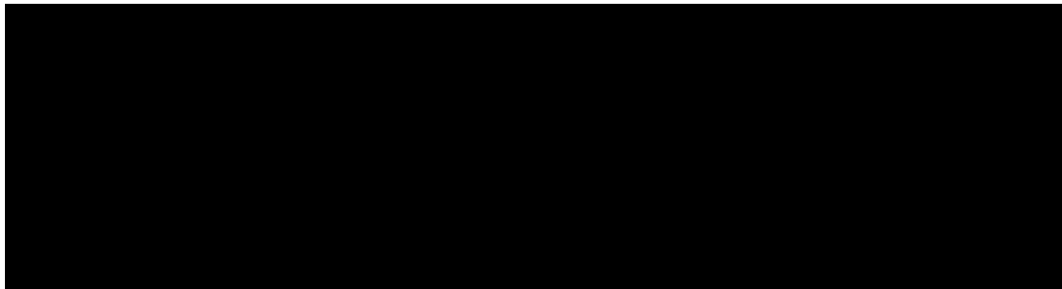
25X1A

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

ON THE NW EDGE OF HAIPHONG,  
THE EASTERNMOST BOILERHOUSE HAS BEEN REPAIRED. THE WESTERNMOST  
BOILERHOUSE REMAINS DAMAGED/DESTROYED. A NEW COAL PROCESSING  
BUILDING HAS BEEN CONSTRUCTED. A BLAST WALL HAS BEEN  
CONSTRUCTED AROUND THE BOILERHOUSE, GENERATOR HALL, AND  
TRANSFORMER BUILDING. THE PUMPHOUSE HAS BEEN RECONSTRUCTED AND  
IS SURROUNDED BY A BLAST WALL. AT LEAST EIGHT COAL BARGES ARE  
OBSERVED IN THE AREA.

25X1D



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TOP SECRET CHESS RUFF

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NORTH VIETNAM  
MISCELLANEOUS

SIGNIFICANT RESULTS

25X1D

THANH HOA COMPLEX

25X1A

25X1D

STATUS: OPERATIONAL

25X1A

PHYSICAL DESCRIPTION:

THE COMPLEX, APPROXIMATELY 1 SQ MI IN AREA, CONTAINS AN OPERATIONAL THREE-TRACK RAIL YARD WITH SEVEN STORAGE/SUPPORT BUILDINGS AT UTM [REDACTED] AN OPERATIONAL TURNING WYE AT [REDACTED] THREE STORAGE AREAS, AND TWO BARRACKS AREAS. THE STORAGE AREA AT [REDACTED] CONTAINS NINE SMALL STORAGE BUILDINGS. THE STORAGE AREA AT [REDACTED] CONTAINS APPROXIMATELY 20 SMALL PROBABLE STORAGE BUILDINGS AND SIX VEHICLES. ONE BARRACKS AREA AT [REDACTED] CONTAINS TEN BARRACKS AND TWO STORAGE AND TWO SUPPORT BUILDINGS. THE OTHER BARRACKS AREA AT [REDACTED] CONSISTS OF FOUR LARGE PROBABLE ADMINISTRATION BUILDINGS, FIVE LARGE BARRACKS, AND APPROXIMATELY 20 SMALL STORAGE/SUPPORT BUILDINGS. MANY OF THESE BUILDINGS HAVE BEEN RECONSTRUCTED

IMAGE DERIVED COORDINATES:  
AMS. SERIES L7014, SHEET 6148-I.



## COUNTRY CODES

The following is an alphabetic listing of country codes as compiled from the Basic Encyclopedia. Locations of targets in this report are indicated by the country code preceding the coordinates.

AD	Aden	GO	Golland Is.	PK	Pakistan (West)
AF	Afghanistan	GR	Greece	PO	Poland
AG	Algeria	GV	Guinea	PT	Portugal
AL	Albania	GW	West Germany	PU	Portuguese Guinea
AM	Andaman and Nicobar Is.	HK	Hong Kong	QA	Qatar
AN	Andorra	HU	Hungary	RA	Rwanda
AO	Angola	ID	Indonesia	RI	Rio Muni
AU	Austria	IF	Ifni	RK	Ryukyu Is.
AZ	Azores Is.	IL	Iceland	RM	Mali
BA	Bahrain Is.	IN	India	RS	Socotra Is.
BK	Botswana (Bechuanaland)	IQ	Iraq	RU	Rumania
BE	Belgium	IR	Iran	RY	Zambia
BH	Bornholm Is.	IS	Israel	RZ	Rhodesia
BI	Balearic Is.	IT	Italy	SB	San Marino
BJ	Nanpo Shoto	IV	Ivory Coast	SD	Sardinia
BM	Burma	JA	Japan	SE	Seychelles Is.
BO	Sabah (N. Borneo)	JK	Jammu and Kashmir	SF	French Somaliland
BS	Lesotho (Basutoland)	JO	Jordan	SG	Sarawak
BT	Bhutan	KE	Kenya	SI	Sicily
BU	Bulgaria	KN	North Korea	SJ	Society Is.
BW	Berlin, West	KS	South Korea	SK	Senegal
BX	Brunei	KU	Kuwait	SL	Sierra Leone
BY	Burundi	LA	Laos	SM	Somali Republic
CA	Canary Is.	LC	Laccadive Is.	SP	Spain
CB	Cambodia	LE	Lebanon	SR	Saudi Arabia
CD	Central African Republic	LI	Liberia	SS	Spanish Sahara
CE	Ceylon	LS	Liechtenstein	ST	Sao Tome E Principe
CG	Chad	LX	Luxembourg	SU	Sudan
CH	China	LY	Libya	SV	Svalbard
CL	Caroline Is.	MA	Malagasy Republic	SW	Sweden
CM	Cameroon	MC	Macao	SY	Syria
CP	Congo (Brazzaville)	MD	Madeira Is.	SZ	Switzerland
CR	Crete	MF	Malaysia	TA	Tanzania
CT	Corsica	MG	Mongolia	TC	Trucial States
CV	Cape Verde Is.	ML	Malta	TH	Thailand
CX	Congo (Leopoldville)	MN	Monaco	TI	Tibet
CY	Cyprus	MO	Morocco	TK	Turkey
CZ	Czechoslovakia	MR	Mascarene Is.	TM	Portuguese Timor
DA	Dahomey	MT	Mauritania	TO	Togo
DE	Denmark	MV	Maldive Is.	TU	Tunisia
DO	Dodecanese Is.	MZ	Mozambique	TW	Taiwan
EG	Egypt	NE	Netherlands	UA	Republic of South Africa
EP	Pakistan (East)	NI	Nigeria	UG	Uganda
ET	Ethiopia	NK	Niger	UR	USSR
FI	Finland	NO	Norway	UV	Upper Volta
FO	Faeroe Is.	NP	Nepal	VN	North Vietnam
FR	France	NS	Surinam	VS	South Vietnam
GA	Gambia	NW	New Guinea	VT	Vatican City
GC	Gabon	NY	Malawi	WA	Swaziland
GE	East Germany	NZ	New Zealand	YE	Yemen
GH	Ghana	OM	Muscat Oman	YU	Yugoslavia
GI	Gibraltar	PI	Philippines		

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