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NPIC/R-1541/63  
October 1963

PHOTOGRAPHIC INTERPRETATION REPORT

## MISSION COVERAGE INDEX

MISSION [REDACTED] 176 25X1C  
25 SEPTEMBER 1963

[REDACTED]

Declass review-NIMA/DOD

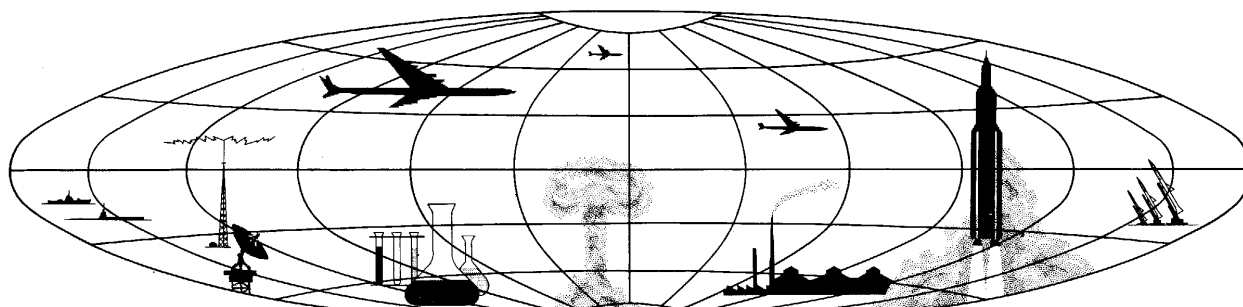


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WARNING

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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PREFACE

This Mission Coverage Index (MCI) lists items of intelligence interest in China covered by aerial photographic material from CHURCH DOOR Mission [REDACTED] 176, dated 25 September 1963 [REDACTED]

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Items in the compilation are arranged in three sections:

Section I provides summary information for a) newly identified targets, b) previously reported targets which show a change, and c) all targets showing order of battle information.

Section II provides a listing of those targets which reflect no change in facilities from previous target description. The mission number shown on the photo reference line (e.g., NAC [REDACTED]) refers to the MCI which contains the most adequate description of that target. Military installations where no order of battle can be determined are listed under this section.

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Section III provides a listing of those targets which could be identified but not interpreted.

All three sections are arranged 1) by country, 2) within a country by subject, 3) within a subject by WAC area, and 4) within a WAC area by coordinates reading from south to north and from west to east.

For the convenience of the user, a subject index to all targets has been included following Section III. Targets in the subject index are listed 1) by category, 2) by country within each category, and 3) alphabetically by place name within each country. Column headings, photo reference data, and symbols indicating conditions which affect the appearance of the target on the photography are explained in the appendix.

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The user of this MCI is cautioned that the scan of photography was accomplished in a relatively short time and often without the aid of precise analytical and mensural techniques commonly employed in detailed photographic analysis. Consequently, although the information presented herein is essentially accurate, it may be altered somewhat by additional detailed analysis.

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## SECTION I

THIS SECTION PROVIDES SUMMARY INFORMATION FOR A) NEWLY IDENTIFIED TARGETS, B) PREVIOUSLY REPORTED TARGETS WHICH SHOW A CHANGE, AND C) ALL TARGETS SHOWING ORDER OF BATTLE INFORMATION.

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<p align="center">-CHINA-</p> <p><u>MISSILES</u></p> <p>SHUANG-CHENG-TZU MISSILE COMPLEX SAM SITE SITE, 10.3 NM NE OF THE MAIN SUPPORT BASE AT 41-06-30N 100-19-30E, HAS A COMPLETE SA-2 CONFIGURATION. ALL POSITIONS APPARENTLY VACANT, AND NO EQUIPMENT OBSERVED AT OR NEAR THE SITE.</p>	4106N 10020E	0287	25X1A	1-H
<p>SHUANG-CHENG-TZU MISSILE TEST CENTER SIGNIFICANT CHANGES SINCE</p> <p>THE SSM HOUSING AND SUPPORT AREA HAS APPROXIMATELY 70 VEHICLES PARKED THROUGHOUT THE AREA. AT LEAST 40 TENTS AND ONE PROBABLE MESS HALL HAVE BEEN ADDED. TWO VEHICLES/PIECES OF EQUIPMENT ARE PARKED ON THE PROBABLE BALLOON LAUNCH PLATFORM IN THE ADJACENT METEOROLOGICAL STATION. SSM LAUNCH COMPLEX A HAS HAD 3 PIECES OF MISSILE HANDLING EQUIPMENT MOVED FROM THEIR FORMER LOCATIONS AT LAUNCH PAD A-1 TO LAUNCH PAD A-2. AN UNIDENTIFIED PIECE OF EQUIPMENT IS PARKED ON THE HARDSTAND IN THE FINAL CHECKOUT AREA. THE SAM LAUNCH COMPLEX HAS ONE UNIDENTIFIED PIECE OF EQUIPMENT ON ONE LAUNCH POINT AND ANOTHER UNIDENTIFIED PIECE OF EQUIPMENT BEHIND THE BUILDING IN THE CENTRAL GUIDANCE AREA, BOTH IN LAUNCH AREA B. THE TWO DOWNRANGE INSTRUMENTATION SITES NEAREST THE LAUNCH AREAS</p>	4107N 10020E	0287		1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<p>EACH HAVE A NEW RECTANGULAR CONCRETE HARDSTAND. THE DEPLOYED SA-2 SAM SITE IN CENTER OF RANGEHEAD APPEARS COMPLETED BUT NO EQUIPMENT IS PRESENT. APPROXIMATELY 40 VEHICLES/PIECES OF EQUIPMENT OBSERVED PARKED ON A HARDSTAND IN THE SSM ASSEMBLY AND CHECKOUT AREA. SIX NEW BUILDINGS INCLUDING ONE LARGE MULTISTORIED BUILDING OBSERVED IN AREA OF NEW CONSTRUCTION APPROXIMATELY .7 NM NW OF THE POSSIBLE PROPELLANT HANDLING AND STORAGE AREA (FORMERLY CALLED OPERATIONAL SUPPORT AREA). AT LEAST 6 RAILROAD CARS OBSERVED IN THE POSSIBLE PROPELLANT HANDLING AND STORAGE AREA. AT LEAST 22 NEW BUILDINGS HAVE BEEN ADDED TO THE MAIN SUPPORT BASE INCLUDING 10 NEW STORAGE BUILDINGS (6 STILL UNDER CONSTRUCTION), AT LEAST 6 NEW QUARTERS-TYPE BUILDINGS AND AT LEAST 6 NEW CONSTRUCTION SUPPORT BUILDINGS. SEVERAL MOTOR POOLS OBSERVED IN AREA. NUMEROUS NEW PILES OF OPEN STORES AND APPROXIMATELY 130 RAILROAD CARS ARE VISIBLE IN THE RAILROAD STATION AREA. A NEW RAIL REVERSING LOOP HAS BEEN ADDED ADJACENT TO THE TURNING WYE. NO APPARENT CHANGE SINCE [REDACTED] OBSERVED IN THE REMAINDER OF THE TEST CENTER WITH SSM LAUNCH COMPLEX B APPARENTLY BEING ABANDONED.</p> <p>[REDACTED]</p> <p>FENG-HSIANG SAM SITE</p> <p>[REDACTED]</p>	3431N 10728E	0384		43

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	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
25X1D	<p>NEWLY OBSERVED SA-2 SAM SITE. FOUR REVETTED LAUNCH AREAS, OCCUPANCY UNDETERMINED, APPROXIMATELY 50 TENTS, AND A REVETTED GUIDANCE AREA OBSERVED.</p> <p>[REDACTED]</p>				
25X1D	<p>HSI-AN SAM SITE 20.2 NM SW OF HSI-AN AND 2 NM NORTH OF HU-HSIEN ON SE EDGE OF PROBABLE AIR FORCE TRAINING SCHOOL, AT 34-08-32N 108-34-55W. NEWLY IDENTIFIED, COMPLETED, UNREVETTED AND UNOCCUPIED SA-2 SAM SITE, POSSIBLY FOR TRAINING.</p> <p>[REDACTED]</p>	3408N 10835E	0384		5-D
25X1D	<p>HSI-AN SAM SITE AT HSIEN-YANG AIRFIELD AND 14 NM NW OF HSI-AN AT 34-27-20N 108-46-20E. NEWLY IDENTIFIED COMPLETED SA-2 SAM SITE. REVETMENTS APPARENTLY OCCUPIED.</p> <p>[REDACTED]</p>	3427N 10846E	0384		3-J
25X1D	<p>LAN-CHOU SAM SITE UNDER CONSTRUCTION 16.5 NM SE OF LAN-CHOU AT 35-54-15N 104-04-00E. NEWLY IDENTIFIED SA-2 SAM SITE IN EARLY STAGE OF CONSTRUCTION.</p> <p>[REDACTED]</p>	3554N 10404E	0384		36-A
25X1D	<p>LAN-CHOU, POSSIBLE SAM SITE U/C 2.5 NM SE OF HSIA-KUAN-YING AND 23 NM SE OF LAN-CHOU. POSSIBLE SAM SITE UNDER CONSTRUCTION. PARTIAL CIRCULAR PATTERN BEING DEVELOPED.</p> <p>[REDACTED]</p>	3556N 10413E	0384		44

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<p>25X1D</p> <p>[REDACTED]</p> <p><u>AIR INSTALLATIONS</u></p> <p>SHUANG-CHENG-TZU AIRFIELD IMMEDIATELY EAST OF SHUANG-CHENG-TZU AND 40 NM SW OF MAIN SUPPORT BASE AT SHUANG-CHENG-TZU MISSILE TEST CENTER. 13,500 X 270 FT NE/SW CONCRETE RUNWAY, SERVICEABLE. FACILITIES INCLUDE PARALLEL CONCRETE TAXIWAY WITH 5 CROSSOVER LINKS, ALERT APRONS AT BOTH ENDS OF RUNWAY, PARKING APRON AND 9 HARDSTANDS WEST OF TAXIWAY, FIRING-IN BUTT SE OF RUNWAY, COMPLETE ILS, 2 LARGE COMMUNICATIONS SITES, AND A RADAR SITE (RADAR EQUIPMENT NOT PRESENT). RAIL-SERVED POL STORAGE AREA AND RAIL-SERVED SECURED PROBABLE AMMUNITION STORAGE AREA WITH 6 BUILDINGS AND 2 LARGE CONCRETE LOADING DOCKS OBSERVED ADJACENT TO RAILROAD SPUR. SUPPORT AREA INCLUDES A DRIVE-THROUGH HANGAR, SECURED POL STORAGE AREA SERVED BY A LOOPROAD, RAIL-SERVED REPAIR/SUPPLY BUILDING, AND A LARGE HOUSING/ADMINISTRATIVE AREA. AIRCRAFT -- ONE BULL AND ONE FAGOT/FRESCO WITH TAIL ASSEMBLY REMOVED.</p> <p>25X1D</p> <p>[REDACTED]</p>	<p>4021N 09947E</p>	<p>0287</p>	<p>25X1A</p> <p>[REDACTED]</p>	<p>2</p>
<p>25X1D</p> <p>SHUANG-CHENG-TZU AIRFIELD NORTH 4 NM SSE OF MAIN SUPPORT BASE AT SHUANG-CHENG-TZU MISSILE TEST CENTER. NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]</p>	<p>4055N 10015E</p>	<p>0287</p>	<p>[REDACTED]</p>	<p>1-B</p>

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	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
25X1D	[REDACTED] EXCEPT THAT LANDING STRIP IS POSSIBLY SERVICEABLE FOR LIGHT LIAISON-TYPE AIRCRAFT.				
25X1D	AIRCRAFT -- NONE OBSERVED.				
25X1D	[REDACTED]				
25X1D	SHUANG-CHENG-TZU AREA, AIRSTRIP APPROXIMATELY 77 NM NNE OF SHUANG-CHENG-TZU. AIRSTRIP PREVIOUSLY REPORTED ON [REDACTED] AS 2,700 X 150 FT NW/SE NATURAL SURFACE RUNWAY, SERVICEABLE. HAZE AND OBLIQUITY PRECLUDE INTERPRETATION BEYOND IDENTIFICATION. AIRCRAFT -- NONE OBSERVED.	4154N 10102E	0287		3-A
25X1D	[REDACTED]				
25X1D	HSI-NING AIRFIELD INCOMPLETE PHOTO COVERAGE PRECLUDES DESCRIPTION OF AIRFIELD. AIRCRAFT -- ONE PROBABLE CRATE.	3633N 10159E	0332	25X1A	5-B
25X1D	[REDACTED]				
25X1D	CHANG-YEH AIRFIELD SOUTHEAST 11 NM SE OF CHANG-YEH. TWO PARALLEL OFFSET NW/SE CONCRETE RUNWAYS, APPROXIMATELY 7,000 X 190 FT AND 8,500 X 190 FT, BOTH SERVICEABLE. FACILITIES INCLUDE 2 ALERT RAMPS, PARKING APRON, AND APPROXIMATELY 20 BARRACKS. AIRCRAFT -- NONE OBSERVED. SCALE AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION.	3850N 10040E	0332		1-B
25X1D	[REDACTED]				

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
CHIA-YU-KUAN AIRFIELD 4 NM NE OF CHIA-YU-KUAN. TWO 6,000 X 200 FT BISECTING RUNWAYS, ONE NW/SE, THE OTHER NE/SW, BOTH GRAVEL SURFACE AND SERVICEABLE FOR LIGHT AIRCRAFT. NO SUPPORT FACILITIES OBSERVED. AIRCRAFT -- NONE OBSERVED. [REDACTED]	3951N 09823E	0332	25X1A [REDACTED]	2
YEN-AN AIRFIELD 1.5 NM NE OF FU-SHIH (YEN-AN). 3,850 X 110 FT NE/SW EARTH RUNWAY, SERVICEABLE. FACILITIES INCLUDE A SMALL PARKING APRON NW OF RUNWAY. AIRCRAFT -- NONE OBSERVED. [REDACTED]	3638N 10931E	0382	[REDACTED]	5
LAN-CHOU AIRFIELD EAST EDGE OF LAN-CHOU. NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]	3602N 10352E	0383	[REDACTED]	1
[REDACTED] TWENTY-SIX VEHICLES/PIECES OF EQUIPMENT OBSERVED THROUGHOUT AREA. AIRCRAFT -- 15 COLT AND 3 CRATE. [REDACTED]			[REDACTED]	
NING-HSIA AIRFIELD 8 NM NW OF YIN-CHUAN. APPROXIMATELY 7,000 X 200 FT NW/SE NATURAL SURFACE RUNWAY, SERVICEABLE. FACILITIES INCLUDE 2 TAXIWAYS, A PARKING AREA AND A SMALL POSSIBLE SUPPORT AREA NE OF SE END OF RUNWAY.	3830N 10608E	0383	[REDACTED]	4

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	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
25X1D	AIRCRAFT -- NONE OBSERVED. [REDACTED]				
25X1D	HU-HSIEN AIRFIELD 2.2 NM NORTH OF HU-HSIEN. 5,800 X 165 FT ENE/WSW ASPHALT RUNWAY, SERVICEABLE. FACILITIES INCLUDE PARALLEL TAXIWAY, 2 CROSSOVER LINKS, PARALLEL PARKING APRON, 29 RETTED HARDSTANDS (NE SIDE OF RUNWAY), ONE HANGAR, AND APPROXIMATELY 22 ASSOCIATED BUILDINGS. AIRCRAFT -- 26 BAT, 11 CRATE, AND 3 CAB. [REDACTED]	3409N 10836E	0384	25X1A [REDACTED]	5
25X1D	HSI-AN AIRFIELD SW EDGE OF HSI-AN. NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]	3415N 10854E	0384	[REDACTED]	3-D
25X1D	AIRCRAFT -- 9 PROBABLE COLT. [REDACTED]				
25X1D	WU-KUNG AIRFIELD 8.5 NM ESE OF WU-KUNG. NO APPARENT CHANGE SINCE [REDACTED] [REDACTED] EXCEPT THAT THE PREVIOUSLY UNIDENTIFIED INDUSTRIAL CONSTRUCTION ADJACENT TO AIRFIELD IS NOW IDENTIFIED AS AN AIRCRAFT ENGINE PLANT UNDER CONSTRUCTION. AIRCRAFT -- 2 BADGER, 11 BULL, AND 24 PROBABLE MAX. [REDACTED]	3417N 10815E	0384	[REDACTED]	13
25X1D	HSIEN-YANG AIRFIELD 6.8 NM NNE OF HSIEN-YANG.	3427N 10846E	0384	[REDACTED]	4

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<p>CIRCULAR SOD LANDING AREA APPROXIMATELY 7,000 FT IN DIAMETER, SERVICEABLE. AN APPARENTLY OCCUPIED SA-2 SAM SITE OBSERVED IN NW QUADRANT OF AIRFIELD. AIRCRAFT -- 6 CAB AND 12 UNIDENTIFIED TRAINER/LIAISON.</p> <p>██████████</p>			25X1A	
<p>25X1D</p> <p>██████████</p>	3423N 10907E	0385	██████████	15
<p>LIN-TUNG AIRFIELD 4.8 NM WEST OF LIN-TUNG. AIRFIELD IS 60 PER CENT CLOUD COVERED. NO APPARENT CHANGE IN FACILITIES OBSERVED IN CLOUD-FREE AREAS SINCE ██████████</p>				
<p>25X1D</p> <p>██████████</p>				
<p>25X1D</p> <p>AIRCRAFT -- 31 BAT.</p> <p>██████████</p>				
<p>25X1D</p> <p>██████████</p>	3439N 10916E	0385	██████████	21
<p>YEN-LIANG AIRFIELD 3.6 NM SSE OF YEN-LIANG. NO APPARENT CHANGE IN FACILITIES SINCE ██████████</p>				
<p>25X1D</p> <p>██████████</p>				
<p>25X1D</p> <p>AIRCRAFT -- NONE OBSERVED.</p> <p>██████████</p>				
<p>25X1D</p> <p>██████████</p>	2834N 12125E	0492	██████████	22
<p>LU-CHIAO AIRFIELD 2.5 NM SE OF LU-CHIAO. NO APPARENT CHANGE IN FACILITIES SINCE ██████████</p>				
<p>25X1D</p> <p>██████████</p>				
<p>25X1D</p> <p>AIRCRAFT -- NONE OBSERVED.</p> <p>██████████</p>				
<p>25X1D</p> <p>██████████</p>	2858N 11853E	0493	██████████	8-A
<p>CHU-HSIEN AIRFIELD IMMEDIATELY EAST OF CHU-HSIEN. 7,200 X 190 FT NE/SW CONCRETE RUNWAY, SERVICEABLE.</p>				



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<p>FACILITIES NW OF RUNWAY INCLUDE PARALLEL LOOP TAXIWAY, 2 CROSSOVER LINKS, 2 ALERT APRONS, 2 PARKING APRONS, 60 REVETTED HARDSTANDS, AND A FIRING-IN BUTT. AIRCRAFT -- 66 FAGOT/FRESCO. [REDACTED]</p>	2905N 11940E	0493	25X1A [REDACTED]	5-A
<p>CHIN-HUA AIRFIELD ONE NM SE OF CHIN-HUA. 4,250 FT X 135 FT ENE/WSW PROBABLE CONCRETE RUNWAY SERVICEABLE. NO FACILITIES OBSERVED. AIRCRAFT -- NONE OBSERVED. [REDACTED]</p>	2742N 11800E	0498	[REDACTED]	55
<p>CHUNG-AN AIRFIELD 4 NM SSW OF CHUNG-AN. 6,800 X 165 FT NNE/SSW CONCRETE RUNWAY, SERVICEABLE. FACILITIES WEST OF RUNWAY COMPRISE PARALLEL LOOP TAXIWAY, 2 PARKING APRONS, 5 HARDSTANDS, HANGAR, 3 ADMINISTRATIVE BUILDINGS, AND 37 BARRACKS. POL FACILITIES (REPORTED IN [REDACTED]) APPARENTLY OBSCURED BY CLOUDS. DEFENSES INCLUDE 6-GUN AAA POSITION (.3 NM SE OF SSW END OF RUNWAY), 4-GUN AAA POSITION (.8 NM SE OF SSW END OF RUNWAY), 6-GUN AAA POSITION (.5 NM SW OF SSW END OF RUNWAY), 6-GUN AAA POSITION (.8 NM NW OF NNE END OF RUNWAY), AND 4-GUN AAA POSITION (.2 NM NNW OF NNE END OF RUNWAY), ALL OCCUPIED, AND A 4-GUN AAA POSITION (IMMEDIATELY NORTH OF NNE END OF RUNWAY), OCCUPANCY UNDETERMINED. AIRCRAFT -- NONE OBSERVED.</p>				

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			BE	NPIC
<p>[REDACTED]</p> <p><u>MILITARY INSTALLATIONS</u></p> <p>LAN-CHOU, MILITARY AREAS THREE MILITARY INSTALLATIONS IN LAN-CHOU VICINITY.</p> <p>AREA A (ACROSS THE HUANG HO (RIVER) AND NORTH OF LAN-CHOU AT 36-05N 103-45E) -- MILITARY CAMP WITH APPROXIMATELY 225 BARRACKS, ADMINISTRATIVE AND SUPPORT BUILDINGS. MOTOR POOL WITH APPROXIMATELY 85 VEHICLES OBSERVED ADJACENT TO CAMP.</p> <p>AREA B (IMMEDIATELY NORTH OF LAN-CHOU AIRFIELD) -- PROBABLE MILITARY BARRACKS AREA WITH 8 LARGE BARRACKS-TYPE, 20 LARGE ADMINISTRATIVE/SUPPORT, AND NUMEROUS SUPPORT BUILDINGS AND A COMMUNICATIONS/WEATHER STATION.</p> <p>AREA C (ONE NM EAST OF LAN-CHOU AIRFIELD AT 36-02N 103-52E) -- MILITARY AREA WITH 10 BARRACKS-TYPE AND 5 ADMINISTRATIVE/SUPPORT BUILDINGS. MOTOR POOL WITH 15 LARGE VEHICLE STORAGE SHEDS AND APPROXIMATELY 200 VEHICLES OBSERVED ADJACENT TO AREA.</p> <p>[REDACTED]</p>	3603N 10350E	0383		3-S
<p>HENG-CHENG, MILITARY CAMP EAST EDGE OF HENG-CHENG. TWO SECURED AREAS CONTAIN APPROXIMATELY 80 BARRACKS, 6 WAREHOUSE-TYPE, 6 STORAGE,</p>	3826N 10624E	0383		44

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				BE	NPIC
25X1D	<p>4 ADMINISTRATIVE-TYPE, AND APPROXIMATELY 25 SUPPORT-TYPE BUILDINGS, 6 MESS HALLS, AND ONE PARADE GROUND/ATHLETIC FIELD.</p> <p>[REDACTED]</p>			25X1A	
	<p>CHIANG-SHAN ARMY BARRACKS SOUTHWEST: TWO POSSIBLE BARRACKS AREAS.</p> <p>AREA A (3 NM SSW OF CHIANG-SHAN) -- APPROXIMATELY 80 BARRACKS-TYPE AND 40 OTHER ASSOCIATED BUILDINGS.</p> <p>AREA B (7.7 NM SW OF CHIANG-SHAN) -- 3 ADMINISTRATIVE, 36 BARRACKS-TYPE, AND APPROXIMATELY 20 OTHER ASSOCIATED BUILDINGS.</p> <p>TRAINING ACTIVITY REPORTED IN IPIR [REDACTED] IS APPARENTLY MINING ACTIVITY.</p> <p>[REDACTED]</p>	2842N 11835E	0493	[REDACTED]	4-A
25X1D					
25X1D	<p>YING-SHAN AREA, MILITARY ACTIVITY 1.5 NM SE OF YING-SHAN ON EAST BANK OF LIU-CHIA HO (RIVER). MILITARY CAMP CONTAINS AT LEAST 160 BARRACKS-TYPE, 15 ADMINISTRATIVE-TYPE, AND NUMEROUS SMALLER SUPPORT BUILDINGS. ONE HUNDRED AND TWENTY UNIDENTIFIED VEHICLES/EQUIPMENT OBSERVED.</p> <p>[REDACTED]</p>	3137N 11351E	0494		23
25X1D	<p><u>ELECTRONICS/COMMUNICATIONS</u></p> <p>LAN-CHOU ELECTRONICS SITES ONE NM NE OF LAN-CHOU AIRFIELD ON A LARGE ISLAND IN THE HUANG HO (RIVER).</p>	3604N 10352E	0383		1-A

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				BE	NPIC
25X1D	<p>ONE SITE COMPRISES A SECURED AREA CONTAINING 3 LARGE BUILDINGS, 3 SMALL BUILDINGS, AND APPROXIMATELY 10 LARGE STICK MAST ANTENNAS ARRANGED IN A SEMI-CIRCLE ON THE NORTH SIDE OF AREA. A SECOND SITE, .4 NM NORTH OF THE CENTER OF LAN-CHOU AIRFIELD, COMPRISES A SECURED AREA CONTAINING 3 LARGE STICK MAST ANTENNAS, WEATHER STATION FACILITIES, AND 2 BUILDINGS.</p> <p>[REDACTED]</p> <p><u>INDUSTRY</u></p> <p>TA-TUNG AREA, INDUSTRIAL ACTIVITY APPROXIMATELY 8 NM SE OF TA-TUNG. SEVERAL CLAY PRODUCTS PLANTS, POSSIBLE NATURAL GAS SCRUBBERS, AND LARGE THERMAL POWER PLANT PROBABLY FUELED BY NATURAL GAS, OBSERVED IN CLOUD-FREE AREAS.</p> <p>[REDACTED]</p>				
25X1D	<p>LAN-CHOU RR YARDS AND LOCO RPR PLANT WEST 1.5 NM WEST OF LAN-CHOU AT 36-04N 103-46E. FACILITIES INCLUDE A CLASSIFICATION YARD WITH 18 TRACKS, LOCOMOTIVE REPAIR SHOPS COMPRISING 2 ADJOINING BUILDINGS EACH WITH 3 THROUGH TRACKS, ONE LARGE RAILROAD CAR REPAIR SHOP BUILDING WITH 3 THROUGH TRACKS, EXTENSIVE SIDE TRACKAGE, OPEN STORAGE, SEVERAL WAREHOUSE BUILDINGS, A TURNABLE, AND A TURNING WYE. TO THE IMMEDIATE WEST IS A SECOND CLASSIFICATION YARD WITH 16 TRACKS AND APPROXIMATELY 300 CARS.</p> <p>[REDACTED]</p>	3604N 10346E	0383	25X1A [REDACTED]	3-D
25X1D	<p>LAN-CHOU PETROLEUM REFINERY RAIL-SERVED REFINERY COVERS A 1,600 X 7,000 FT</p>	3606N 10336E	0383	[REDACTED]	3-G

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<p>AREA, 9.5 NM NW OF LAN-CHOU AT 36-06N 103-36E, AND COMPRISES 4 DISTILLATION UNITS, 2 CATALYTIC UNITS, APPROXIMATELY 385 VERTICAL TANKS, APPROXIMATELY 100 HORIZONTAL TANKS, 3 BANKS OF COOLING TOWERS WITH 20 UNITS EACH, AND APPROXIMATELY 100 BUILDINGS. APPROXIMATELY 11 RAIL TRACKS ENTER THE AREA.</p> <p>A HEAVILY SECURED TANK STORAGE AREA .5 NM SE CONTAINS 7 LARGE VERTICAL TANKS, 3 UNDERGROUND TANKS, 4 SMALL VERTICAL TANKS, AND SEVERAL SMALL BUILDINGS.</p> <p>25X1D [REDACTED]</p>				
<p>LAN-CHOU AREA, PROBABLE IRON SMELTER U/C 18.5 NM NW OF LAN-CHOU ON SOUTH BANK OF HUANG HO (RIVER).</p> <p>AREA OF NEW CONSTRUCTION CONTAINS 3 NEW RAIL SPURS, A BLAST FURNACE UNDER CONSTRUCTION WITH 3 HOT STOVES COMPLETED, A WATER TOWER, AND ONE STORAGE/SUPPORT AND APPROXIMATELY 20 BUILDINGS IN VARIOUS STAGES OF CONSTRUCTION.</p> <p>25X1D [REDACTED]</p>	3607N 10325E	0383		3-21
<p>25X2 [REDACTED]</p>				

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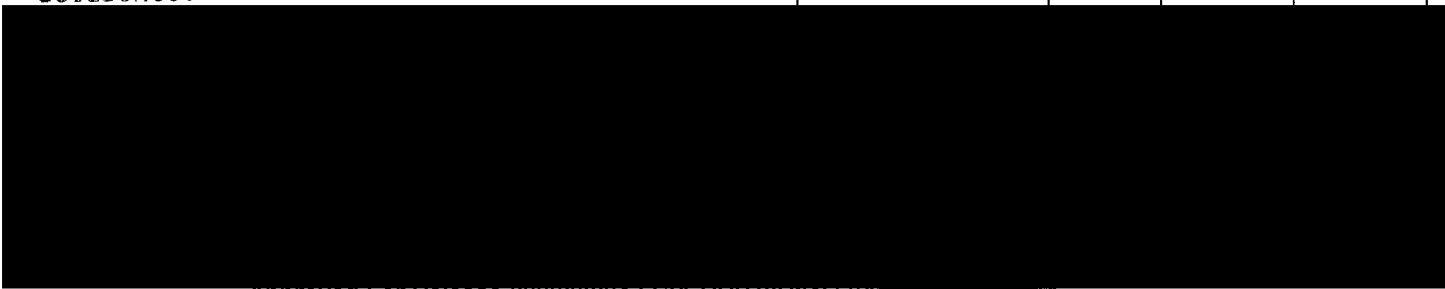
	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
25X2	[REDACTED]				
25X1D	LAN-CHOU CHEMICAL COMBINE LARGE ACTIVE RAIL-SERVED PLANT COMPRISES 9 LARGE PROCESSING BUILDINGS, 4 LARGE GASOMETERS, 8 COOLING TOWERS (ONE UNDER CONSTRUCTION), OPEN STORAGE, AND NUMEROUS SMALL SUPPORT BUILDINGS. [REDACTED]	3607N 10338E	0383	25X1A [REDACTED]	3-H
25X1D	LAN-CHOU ALUMINUM PLANT HSI-KU 10 NM NW OF LAN-CHOU. PLANT INCLUDES 2 POT ROOMS, EACH APPROXIMATELY 1,200 FT IN LENGTH, RECTIFIER BUILDING, TRANSFORMER YARD, CASTING HOUSE, FLUORIDE PLANT, AND A CARBON PASTE PLANT. [REDACTED]	3608N 10338E	0383	[REDACTED]	3-Z
25X1D	PAO-CHI AREA, INDUSTRIAL COMPLEX LARGE FABRICATION-TYPE INDUSTRY PREVIOUSLY REPORTED IN [REDACTED]	3421N 10707E	0384		9-G
25X1D	OBSERVED 2 NM SSW OF PAO-CHI ON SOUTH BANK OF WEI HO (RIVER). HAZE AND OBLIQUITY PRECLUDE INTERPRETATION BEYOND IDENTIFICATION. [REDACTED]				
25X1D	WU-KUNG AIRCRAFT ENGINE PLANT U/C SOUTH EDGE OF WU-KUNG AIRFIELD.	3417N 10815E	0384		13-A

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<p>25X1D PLANT CONTAINS ENGINE TEST BUILDING WITH 6</p> <p>25X1D TESTING BAYS, ASSEMBLY BUILDINGS, MACHINE</p> <p>25X1D SHOPS, WORKSHOP, WAREHOUSES, STORAGE</p> <p>BUILDINGS, AND POWER PLANT.</p> <p>NEW CONSTRUCTION SINCE [REDACTED]</p> <p>[REDACTED] INCLUDES A NEW MACHINE SHOP/WORKSHOP</p> <p>BUILDING AND FOOTINGS IN PLACE FOR 5 NEW</p> <p>BUILDINGS.</p> <p>[REDACTED]</p>				
<p>A-KAN-CHEN AREA, COAL MINES</p> <p>3 NM SOUTH OF A-KAN-CHEN AND 10 NM SSE OF</p> <p>LAN-CHOU.</p> <p>AREA CONTAINS HOUSING FACILITIES WITH</p> <p>APPROXIMATELY 200 LARGE BUILDINGS, POWER</p> <p>PLANT, SECURED EXPLOSIVES STORAGE WITH 3</p> <p>RETTED BUILDINGS, 2 RAIL-SERVED COAL</p> <p>TIPPLES, AND SEVERAL MINES.</p> <p>[REDACTED]</p>	3552N 10351E	0384		39
<p>CHU-HSIEN, MINING AREA</p> <p>16.5 NM SSW OF CHU-HSIEN.</p> <p>UNIDENTIFIED MINING ACTIVITY COMPRISES 2 MINE</p> <p>ENTRANCES, LARGE OPEN STORAGE AREA, PROBABLE</p> <p>ORE PROCESSING BUILDING, AND NUMEROUS SUPPORT</p> <p>BUILDINGS.</p>	2842N 11849E	0493		8-C



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	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
25X1D	<p>PURIFICATION FACILITIES.</p> <p>[REDACTED]</p> <p><u>BASIC SERVICES</u></p> <p>SHUANG-CHENG-TZU AREA, RAILROAD LINE OPERATIONAL RAIL LINE EXTENDS GENERALLY SW FROM SHUANG-CHENG-TZU MISSILE TEST CENTER TO JOIN THE LAN-CHOU--TI-HUA RAIL LINE IMMEDIATELY WEST OF CHIN-FO-SSU AT 39-24N 098-46E.</p>	4105N 10015E	0287		1-D
25X1D	<p>[REDACTED]</p> <p>LAN-CHOU--LHASA, RAILROAD U/C APPARENTLY COMPLETED RAILROAD LINE OBSERVED FROM APPROXIMATELY 36-08N 103-00E TO HSI-NING (36-36N 101-48E). NO NEW CONSTRUCTION OR UNUSUAL ACTIVITY OBSERVED.</p>	3637N 10145E	0332		5-F
25X1D	<p>[REDACTED]</p> <p>HSI-NING--LHASA, ROAD SERVICEABLE ROAD OBSERVED EXTENDING WEST FROM HSI-NING (36-37N 101-47E) TO HUANG-YUAN (36-41N 101-14E). NO UNUSUAL ACTIVITY OBSERVED.</p>	3637N 10155E	0332		5-I
25X1D	<p>[REDACTED]</p> <p>YEN-KUO HSIA, HYDROELECTRIC POWER PLANT NO EVIDENCE OF POWER GENERATION OR WATER FLOWING THROUGH POWER PLANT STILL UNDER CONSTRUCTION. CONSIDERABLE WATER TURBULENCE IN TAILRACE APRON AREA OF SPILLWAY. ONE BAFFLE WALL UNDER WATER OR DESTROYED. TWO</p>	3601N 10315E	0383		30

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
25X1D RECESSES IN DAM BACK OF GENERATOR HALL. 25X1D PREVIOUSLY OBSERVED ON [REDACTED] 25X1D [REDACTED] NOW ENCLOSED. [REDACTED]			25X1A	
LAN-CHOU THERMAL POWER PLANT HSI-KU PLANT INCLUDES AN ACTIVE SECTION WITH 5 BOILERS AND 5 TURBOGENERATORS (4 GENERATING POWER) AND AN ADDITIONAL SECTION UNDER CONSTRUCTION WITH APPARENTLY 3 BOILERS AND 3 TURBOGENERATORS. 25X1D [REDACTED]	3608N 10337E	0383	[REDACTED]	3-L
HSI-AN THERMAL POWER PLANT 3 HU-HSIEN 5 NM SSE OF HU-HSIEN AND 22 NM SW OF HSI-AN. ACTIVE, RAIL-SERVED, LARGE THERMAL ELECTRIC POWER PLANT COMPRISES GENERATOR HALL, BOILER HOUSE, 3 LARGE COOLING TOWERS, TRANSFORMER YARD, AND ONE STACK EMITTING SMOKE. 25X1D [REDACTED]	3401N 10836E	0384	[REDACTED]	5-A
LIU-CHIA HSIA, HYDROELECTRIC POWER PLANT CONSTRUCTION ON FLOOR OF GORGE (PREVIOUSLY REPORTED IN [REDACTED] AND 25X1D [REDACTED] AND PROTECTIVE COFFER 25X1D [REDACTED] DAM UPSTREAM FROM CONSTRUCTION SITE, ARE COMPLETELY COVERED BY HIGH WATER FLOW OF HUANG HO (YELLOW RIVER). CONSTRUCTION OF DAM 25X1D [REDACTED] AND PROBABLE POWER PLANT CONTINUES. [REDACTED]	3558N 10317E	0384		37
<u>STORAGE</u> HENG-TANG-CHEN, WAREHOUSE AREA SW EDGE OF HENG-TANG-CHEN.	3619N 10254E	0383		14

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NPIC/R-1541/63

	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
25X1D	<p>AREA CONTAINS 36 STORAGE-TYPE, 7 ADMINISTRATIVE, AND APPROXIMATELY 15 SUPPORT-TYPE BUILDINGS.</p> <p>[REDACTED]</p>				
25X1D	<p>HSING-PING AREA, POSSIBLE AMMO STORAGE 1.5 NM EAST OF HSING-PING. RAIL-SERVED, SECURED AREA COMPRISES STORAGE AREA WITH 32 LARGE STORAGE BUILDINGS AND A SUPPORT AREA WITH A SMALL PROBABLE HEATING PLANT AND 6 BARRACKS-TYPE, ONE ADMINISTRATIVE, ONE ADMINISTRATIVE/SUPPORT, AND APPROXIMATELY 7 SUPPORT BUILDINGS.</p> <p>[REDACTED]</p>	3419N 10831E	0384		35-A
25X1D	<p><u>URBAN COMPLEXES</u></p> <p>HSI-NING COMPLEX</p> <p>COMPLEX, APPROXIMATELY 10 SQ MI IN AREA, AN INDUSTRIAL, TRANSPORTATION, AND AGRICULTURAL CENTER, CONTAINS SEVERAL INDUSTRIAL AREAS, RAILROAD YARDS AND SHOPS, AND POSSIBLE MILITARY HEADQUARTERS.</p> <p>[REDACTED]</p>	3637N 10155E	0332	25X1A [REDACTED]	5
25X1D	<p>HENG-TANG-CHEN COMPLEX</p> <p>SMALL URBAN COMPLEX, APPROXIMATELY 5 SQ MI IN AREA, CONTAINS 2 ORE PROCESSING PLANTS, MINOR INDUSTRIES, AND SEVERAL SMALL MINES.</p> <p>[REDACTED]</p>	3620N 10256E	0383	[REDACTED]	14-E
25X2	<p>LAN-CHOU COMPLEX</p> <p>INDUSTRIAL AND TRANSPORTATION CENTER, APPROXIMATELY 30 SQ MI IN AREA ON SOUTH BANK OF HUANG HO (RIVER), [REDACTED]</p>	3602N 10346E	0383	[REDACTED]	3-A

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	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
25X2	[REDACTED] RAILROAD YARDS AND SHOPS, LARGE PETROLEUM REFINERY, ALUMINUM PLANT, LARGE CHEMICAL PLANT, THERMAL ELECTRIC POWER PLANT, NUMEROUS OTHER INDUSTRIES, AND SEVERAL MILITARY BARRACKS AREAS.				
25X1D	[REDACTED]				
	TZU-HU COMPLEX COMPLEX, APPROXIMATELY 5 SQ MI IN AREA, STILL UNDERGOING EXTENSIVE EXPANSION AROUND OLD WALLED CITY. SEVERAL ADDITIONAL WALLED AREAS CONTAIN NUMEROUS MILITARY-TYPE BARRACKS. OBLIQUITY PRECLUDES FURTHER INTERPRETATION.	3856N 10540E	0383		33
25X1D	[REDACTED]			25X1A	
	HSI-AN COMPLEX COMPLEX, 64 SQ MI IN AREA, CONTAINS PROBABLE HEAVY AND LIGHT INDUSTRIES, THERMAL POWER PLANTS, POL STORAGE, AND CLASSIFICATION YARDS.	3417N 10857E	0384	[REDACTED]	3
25X2	[REDACTED]				
25X1D	[REDACTED]				
25X1D	YUNG-CHIA COMPLEX NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]	2801N 12039E	0492		39
25X1D	[REDACTED]				
25X1D	ONE COASTAL FREIGHTER AT OFF-SHORE WHARF AND NUMEROUS SMALL RIVER CRAFT OBSERVED. [REDACTED]				
	CHU-HSIEN COMPLEX COMPLEX, ON SOUTH BANK OF CHANG-SHAN CHIANG (RIVER) AND 3 SQ MI IN AREA, IS SERVED BY THE HANG-CHOU--NAN-CHANG RAILROAD AND CONTAINS SMALL MARSHALLING YARD, AIRFIELD, AND SEVERAL	2858N 11852E	0493	[REDACTED]	8

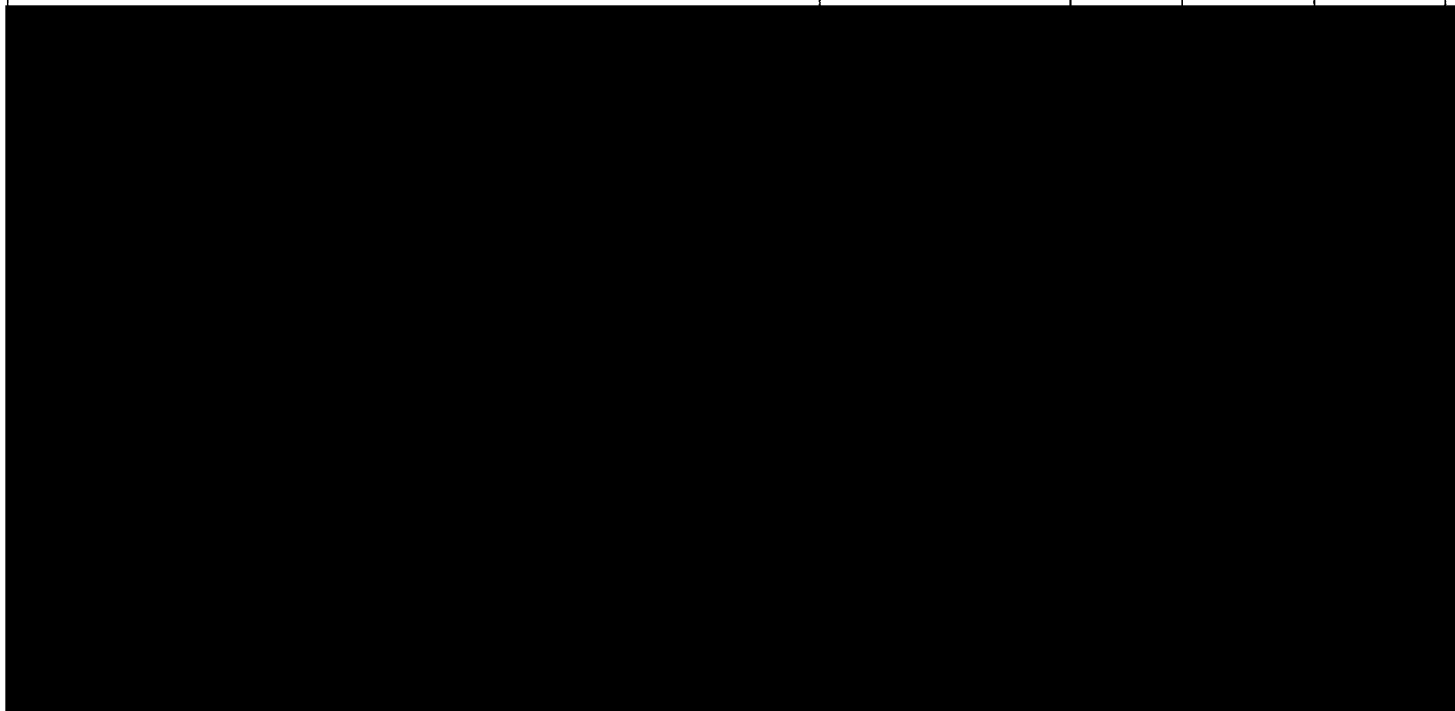
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	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
25X1D	LIGHT INDUSTRIES. A LARGE CHEMICAL FERTILIZER PLANT OBSERVED 5 NM SOUTH OF CHU-HSIEN. [REDACTED]			25X1A	
25X1D	CHIN-HUA COMPLEX COMPLEX, APPROXIMATELY 3 SQ MI IN AREA, CONTAINS LIGHT INDUSTRY, RAILROAD YARDS, AND STORAGE AREAS. [REDACTED]	2907N 11939E	0493	[REDACTED]	5



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## SECTION II

THIS SECTION PROVIDES A LISTING OF THOSE TARGETS WHICH REFLECT NO CHANGE IN FACILITIES FROM PREVIOUS TARGET DESCRIPTION. THE MISSION NUMBER SHOWN ON THE PHOTO REFERENCE LINE (E.G., NAC [REDACTED] REFERS TO THE MCI WHICH CONTAINS THE MOST ADEQUATE DESCRIPTION OF THAT TARGET. MILITARY INSTALLATIONS WHERE NO ORDER OF BATTLE CAN BE DETERMINED ARE LISTED UNDER THIS SECTION.

25X1C

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
-CHINA-				
[REDACTED]				
<u>ELECTRONICS/COMMUNICATIONS</u>				
25X1D HSIEN-YANG RADIO COMMUNICATIONS STATION [REDACTED]	3423N 10837E	0384		4-A
<u>INDUSTRY</u>				
25X1D TSAI-CHIA-LING AREA, MINING ACTIVITY [REDACTED]	3804N 10645E	0383		32
25X1D HU-HSIEN AREA, EXPLOSIVES PLANT [REDACTED]	3401N 10837E	0384		5-C
25X1D HSING-PING AREA, AIRCRAFT PARTS PLANT [REDACTED]	3418N 10825E	0384		35
25X1D HSI-AN AIRCRAFT ENGINE PLANT [REDACTED]	3423N 10859E	0384		3-B
<u>BASIC SERVICES</u>			25X1A	
25X1D SHUANG-CHENG-TZU AREA, RAIL SPUR [REDACTED]	4107N 10020E	0287		1-G

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	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
25X1D	[REDACTED]				
25X1D	CHIN-CHI AREA, HYDROELECTRIC POWER PROJECT [REDACTED] <u>STORAGE</u>	3755N 10600E	0383		6-C
25X1D	LAN-CHOU AREA, EXPLOSIVES STORAGE [REDACTED]	3544N 10415E	0384		36

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### SECTION III

THIS SECTION PROVIDES A LISTING OF THOSE TARGETS WHICH COULD BE IDENTIFIED BUT NOT INTERPRETED.

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	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
	-CHINA-				
	<u>MISSILES</u>			25X1A	
	CHUNG-WEI SAM SITE	3754N 10517E	0383		43
25X1D	[REDACTED]				
	HSI-AN SAM SITE	3440N 10859E	0384		11-A
25X1D	[REDACTED]				
	<u>AIR INSTALLATIONS</u>				
	SHUANG-CHENG-TZU AREA, POSSIBLE AIRSTRIP	4154N 10102E	0287		3-A
25X1D	[REDACTED]				
	CHANG-YEH AIRFIELD	3859N 10039E	0332		1
25X1D	[REDACTED]				
	LUNG-TIEN AIRFIELD	2534N 11927E	0499		11
25X1D	[REDACTED]				
	<u>MILITARY INSTALLATIONS</u>				
	SHUANG-CHENG-TZU AREA, BARRACKS	4154N 10102E	0287		1-E
25X1D	[REDACTED]				
	TA-LIU-SHU MILITARY BARRACKS AREA	3642N 10318E	0383		31
25X1D	[REDACTED]				
	YUNG-TENG, MILITARY BARRACKS AREA	3645N 10317E	0383		7-C
25X1D	[REDACTED]				

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	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
25X1D	CHIN-HUA ARMY BARRACKS NORTHWEST [REDACTED]	2908N 11937E	0493	25X1A [REDACTED]	5-D
25X1D	HAI-TAN TAO NAVAL BASE [REDACTED]	2539N 11947E	0499	[REDACTED]	5-B
25X1D	PEI-LING PAN-TAO, MILITARY ACTIVITY [REDACTED]	2617N 11947E	0499	[REDACTED]	23
	<u>ELECTRONICS/COMMUNICATIONS</u>				
25X1D	SHUANG-CHENG-TZU COMMUNICATIONS SITE [REDACTED]	4207N 10103E	0287	[REDACTED]	3-A1
25X1D	LUNG-TIEN AIRFIELD RADAR SITE [REDACTED]	2536N 11928E	0499	[REDACTED]	7
	<u>INDUSTRY</u>				
25X1D	YEN-LIANG, FABRICATION PLANT [REDACTED]	3439N 10915E	0385	[REDACTED]	21-A
	<u>STORAGE</u>				
25X1D	PAO-CHI PETROLEUM PRODUCTS STORAGE EAST [REDACTED]	3425N 10716E	0384	[REDACTED]	9-E
	<u>URBAN COMPLEXES</u>				
25X1D	PAO-CHI COMPLEX [REDACTED]	3423N 10709E	0384	[REDACTED]	9-D
25X1D	HUANG-YEN COMPLEX [REDACTED]	2839N 12115E	0492	[REDACTED]	19

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## SUBJECT INDEX

THIS INDEX PROVIDES A LISTING OF ALL TARGETS CONTAINED IN SECTIONS I, II AND III. THE INDEX IS ARRANGED 1) BY CATEGORY, 2) BY COUNTRY WITHIN EACH CATEGORY, AND 3) ALPHABETICALLY BY PLACE NAME WITHIN EACH COUNTRY.

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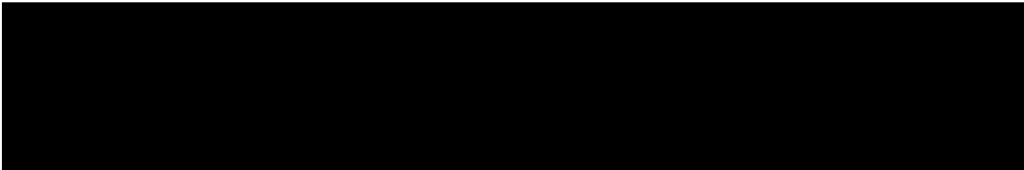
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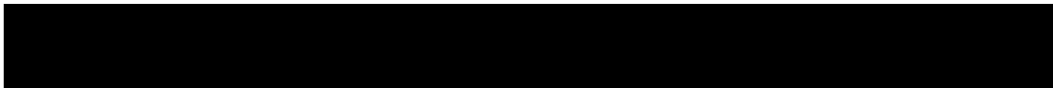


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APPENDIX  
EXPLANATION OF COLUMN HEADINGS,  
PHOTO REFERENCE DATA AND  
CONDITIONS AFFECTING PHOTOGRAPHY  
COLUMN HEADINGS

City, Installation -- This column contains the name of the city or town nearest the installation, followed by the name of the installation. If the name of the installation is not known, it is titled according to its function. Where appropriate, the city and installation names are followed by a capsule description.

Coordinates -- Coordinates are referenced to the SW corner of the minute square. When the subject installation covers a wide area, coordinates are given for the approximate center of the installation.

WAC -- This column provides the World Aeronautical Chart number for the area in which the subject installation is situated.

Installation Numbers -- This column is divided into two subcolumns. The first subcolumn lists, when known, the BE installation number assigned to the installation. The second subcolumn lists the installation number assigned by NPIC. Installation numbers, when used to reference an item, should be prefixed by the appropriate WAC number, since installation numbers are repeated from WAC to WAC. For example, there is an NPIC target number 0492-1 and an NPIC target number 0493-1. In each instance, the NPIC installation number is 1, but the installations appear on different WAC charts.

PHOTO REFERENCE DATA

The photo reference data indicates the frame(s) on which the installation appears.

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#### CONDITIONS AFFECTING PHOTOGRAPHY

Following the photo reference data, symbols indicate conditions which affect the appearance of the installation on the photography. The symbols are: C (clear); SC (scattered clouds); HC (heavy clouds); SC-HC (scattered-to-heavy clouds); H (haze); CS (cloud shadow); D (darkness); SD (semidarkness); O (obliquity); S (snow); and PQ (poor image quality).

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