

DECLASS REVIEW by NIMA/DOD

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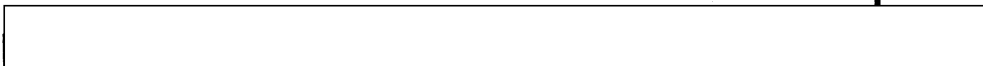


PHOTOGRAPHIC INTELLIGENCE LISTING

INDEX TO
EXPLOITATION PRODUCTS
DATA FILE
DECEMBER 1969

JANUARY 1970
COPY 93
116 PAGES

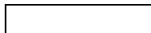
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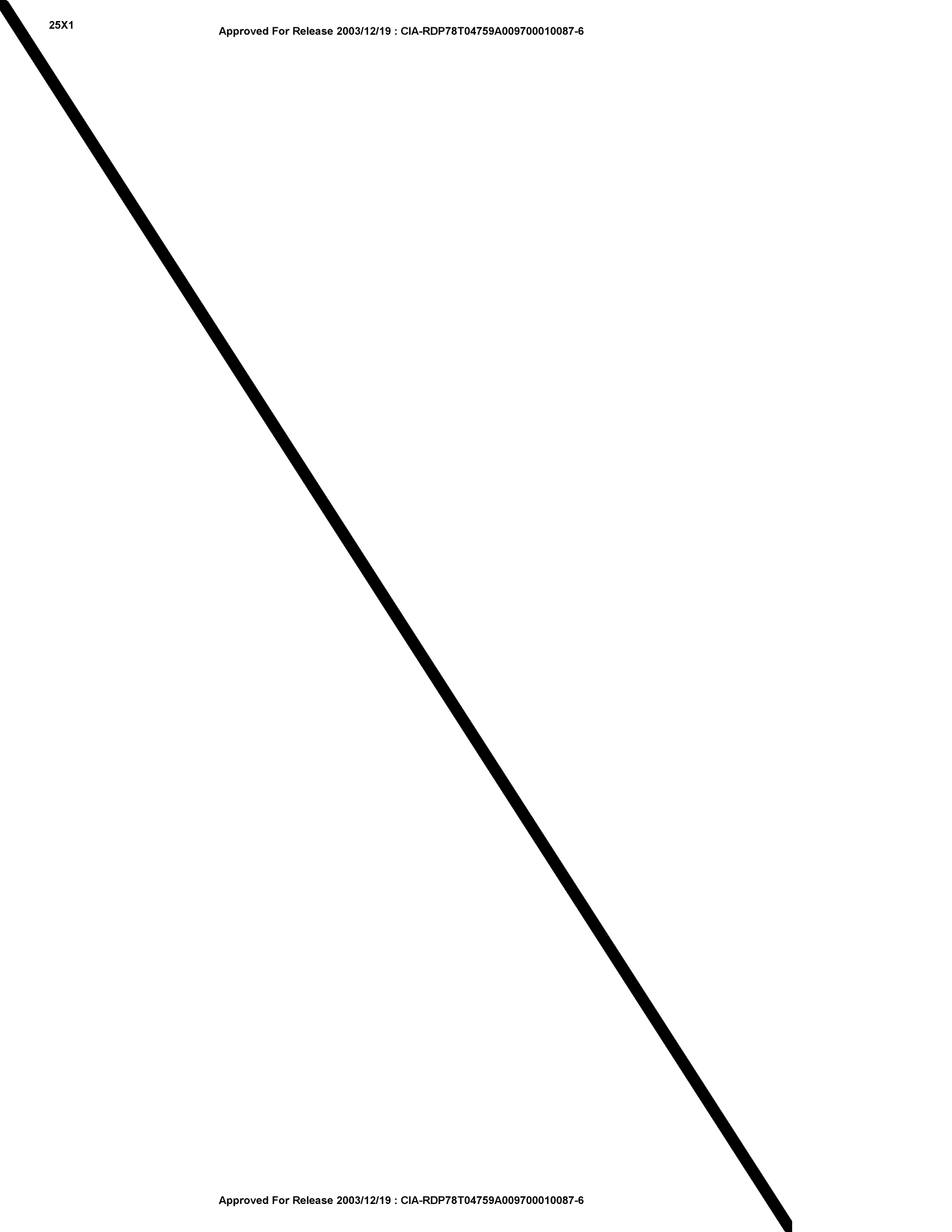
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AND DECLASSIFICATION

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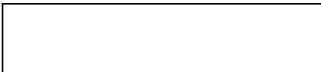
PHOTOGRAPHIC INTELLIGENCE LISTING

**INDEX TO
EXPLOITATION PRODUCTS DATA FILE
DECEMBER 1969**

JANUARY 1970

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

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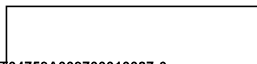
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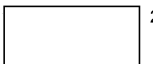
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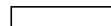
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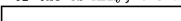


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GUIDE TO USERS

SECTION I

This index lists imagery exploitation documents which were produced or received by the National Photographic Interpretation Center (NPIC) during December 1969. This publication is compiled and published by NPIC for the use of properly cleared components of the USIB and includes reports received from various components of the US Army, the US Navy, the US Air Force, the CIA, the DIA,



The column headings and symbols used in these lists are explained below.

SUBJECT

Entries in this column include the city or location covered by the report, followed by the type of installation and subject. Standard abbreviations are used.

ORIGINATOR (ORIG)

The originating component is indicated in this column by means of standard abbreviations.

TYPE OF REPORT (TYPE)

Symbols used for various report types are as follows:



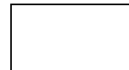
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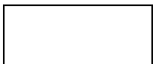
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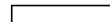
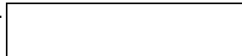
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GUIDE TO USERS (Continued)

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COUNTRY (CY)

The location of the subject of the report by country is entered in this column as a two-letter designator following the accepted Basic Encyclopedia code.

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SECURITY CLASSIFICATION (SC)

The security classification is indicated in this column by means of the following numerical code:

An asterisk following the report type indicates the basic report or brief contains an interim report statement.

An "N" following the report type indicates that the RTR is a NOTICE. A NOTICE designates a previously disseminated report as the basic report for the installation cited in the index.

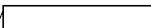
REPORT OR CONTROL NUMBER (REPT NR)

The report number is given as it appears on the subject document. The security control number is used when no report number is shown.

00-UNCLASSIFIED

01-TOP SECRET

02-TOP SECRET



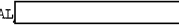
04-SECRET

05-SECRET



07-CONFIDENTIAL

08-CONFIDENTIAL



10-TOP SECRET

11-TOP SECRET

13-TOP SECRET

14-TOP SECRET

20-TOP SECRET

21-TOP SECRET



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REPORT DATE (DATE)

The report date is given in month and year.

MISSION NUMBER (MSN NR)

The number of the latest photographic mission from which the information was derived is listed where applicable.

COORDINATES (COORD)

The geographic location of the subject of the report is listed where a single area is involved.

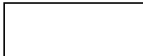
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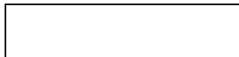


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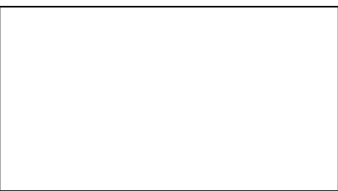
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 25-TOP SECRET



ACCESSION NUMBER (ACC NR)

A control number assigned by NPIC is listed.

The general subject listing in Part III is categorized as follows:

AIR FACILITIES includes airfields, seaplane stations, aircraft, production, storage, and related installations or equipment.

AREA/COMPLEX REPORTS GENERAL includes complex studies (i. e., city-town), unidentified installations or equipment, and terrain or agriculture analyses.

BIOLOGICAL/CHEMICAL WARFARE includes research, production, testing, training, and storage facilities.

COMPREHENSIVE REPORTS includes mission readouts, summaries, and country or area studies.

ELECTRONICS/COMMUNICATIONS includes radar, radio, instrumentation installations, equipment, and production.

INDUSTRY includes power facilities, but excludes shipbuilding.

MILITARY includes installations or equipment other than naval-or air-related.

MISSILES includes sites and related research, production, storage, and instrumentation installations or equipment.

NUCLEAR includes mining, production, testing, storage installations, and related equipment.

OVERLAY/PLOTS includes Mission Coverage Plots, Mission Coverage Statistics, tracks, and annotated maps.

RESEARCH AND DEVELOPMENT FACILITIES includes technical publications and installations not included in another subject category.

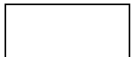
SHIPS, SHIPYARDS, AND PORTS includes naval bases, research, storage, and related installations or equipment.

STORAGE FACILITIES includes nonmilitary installations or facilities.

TRANSPORT AND PIPELINE SYSTEMS includes roads, rail, and inland waterway studies and related installations or equipment.

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PART I
Listing of Reports Alphabetically

25X1

Approved For Release 2003/12/19 : CIA-RDP78T04759A009700010087-6

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PART II

Listing of Reports by Originator

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SUBJECT ARMY REPORTS ORIG TYPE REPT NR DATE MSN NR COORD CY SC ACC NR

SUBJECT		ORIG	TYPE	REPT NR	DATE	MSN NR	COORD	CY	SC	ACC NR
ARMY REPORTS										
25X1 25X6		25X1								
MISSILES, SA-2 GUIDELINE SYSTEM		ARMY	RIIR	RAC24-0018-69	NOV 69					UR 14 S043605
MASAN NI ARMY BARRACKS + HQ 12TH INF DIV		ARMY	BREF	PIR080-69	SEP 69	3825N	12710E	KN	05	S043154
ANHYP ARMY BARRACKS + HQ 45TH INFANTRY DIV		ARMY	BREF	PIR081-69	SEP 69	3820N	12650E	KN	05	S043155
WA DONG ARMY BARRACKS + HQ 15TH INFANTRY DIV		ARMY	BREF	PIR082-69	SEP 69	3811N	12650E	KN	05	S043156
KAESONG ARMY BARRACKS + HQ 6TH INFANTRY DIV		ARMY	BREF	PIR083-69	SEP 69	3800N	12631E	KN	05	S043157
SONGAM NI ARMY BARRACKS + HQ 25TH BRIGADE		ARMY	BREF	PIR084-69	SEP 69	3825N	12724E	KN	05	S043159
YANGJI CHON BARRACKS + HQ 47TH INFANTRY DIV		ARMY	BREF	PIR085-69	SEP 69	3826N	12806E	KN	05	S043152
HOEJON DONG ARMY BARRACKS + HQ 13TH INF DIV		ARMY	BREF	PIR086-69	SEP 69	3827N	12802E	KN	05	S043158
CHOHYON NI BARRACKS AREA + HQ 11TH INF REGT		ARMY	BREF	PIR087-69	SEP 69	3838N	12817E	KN	05	S043153
SUNGAM NI ARMY BKS/STORAGE/HQ 21ST INF REGT		ARMY	BREF	PIR088-69	SEP 69	3830N	12801E	KN	05	S043188
AIRFIELDS, RADAR FACILITIES SEARCH		ARMY	PIM		74-69 NOV 69					UR 13 S043053
ELECTRONICS, RADAR FACILITIES AIRFIELDS SRCH		ARMY	PIM		74-69 NOV 69					UR 13 S043053
EMBA MTC LAUNCH COMPLEX THIN SKIN B RADARS		ARMY	PIM		75-69 NOV 69	4831N	05801E	UR	13	S043097
EMBA MTC LAUNCH CPLX SA-4 TRG/GUIDANCE RDR		ARMY	PIM		75-69 NOV 69	4831N	05801E	UR	13	S043097
25X1										
25X6		25X1								
25X6		25X1								
AIRFIELDS, AIRCRAFT REVEITEMENTS MENSURATION		ARMY	PIM		78-69 DEC 69					UR 13 A100985
AIRFIELDS, AIRCRAFT REVEITEMENTS MENSURATION		ARMY	PIM		78-69 DEC 69					VN 13 A100985
25X6										
25X6										
HAMI BOMBING RANGE		ARMY	PIM		81-69 DEC 69	4238N	09318E	CH	13	S043643
YENTUN BALLISTIC MISSILE FIELD SITE SEARCH		ARMY	PIM		81-69 DEC 69	4110N	09317E	CH	13	S043643
YUMEN MILITARY INSTALLATION PROB		ARMY	PIM		81-69 DEC 69	4847N	09604E	CH	13	S043643
ELECTRONICS, SQUARE PAIR RADARS SA-5 CPLXS		ARMY	PIM		82-69 DEC 69					UR 13 S043644
MISSILES, SA-5 COMPLEXES SQUARE PAIR RADARS		ARMY	PIM		82-69 DEC 69					UR 13 S043644
EMBA MTC OPERATIONAL SUPPORT AREA AA-2 POSS		ARMY	PIM		83-69 DEC 69	4842N	05805E	UR	13	S043645

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SUBJECT	ORIG	TYPE	REPT NR	DATE	MSN NR	COORD	CY SC ACC NR
CIA REPORTS					25X1		
HUNGNAM COPPER SMELTER + REFINERY	CIA	BIIR	RCS13-0010-70	NOV 69		3949M 12737E KN 13	S043262
NAMPU COPPER + ZINC SMELTER + COPPER REFINERY	CIA	BIIR	RCS13-0013-70	NOV 69		3844M 12525E KN 14	S043261
[REDACTED]							
[REDACTED]							
[REDACTED]							
VIETNAM NORTH LOGISTICS ACTIVITY	CIA	INFR	RS0423-69	OCT 69		4108M 10015E	VN 05 S041911
SHUANGCHENGIZU MIL DEP FORTIFICATION CONST	CIA	INFR	RS0416-69	NOV 69			CH 13 S041920
VIETNAM NORTH LOGISTICS ACTIVITY	CIA	INFR	RS0423-69	OCT 69			VN 05 S041912
MILITARY, BORDER ACTIVITY	CIA	INFR	RS0425-69	NOV 69			CH 05 S041913
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SUBJECT

ORIG TYPE REPT NR DATE MSN NR COORD CY SC ACC NR

NAVY REPORTS

25X1

SHIPS; DE CLASS KILDIN	NAVY	RIIR	RNG23-5005-89	OCT 89						UR #4 S043078
SHIPS; DE CLASS RIANGNAN			RNG23-3013-89	DEC 89						CH #5 S043640

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SUBJECT	ORIG	TYPE	REPT NR	DATE	MSN NR	COORD	CY	SC	ACC NR
NPIC REPORTS				25X1					
SARY SHAGAN ASAT/SPACE TRACKING RADAR	NPIC	BIIR*	RCAB7-0030-70	NOV 69		4630N 117431E	OR 20		S043337
KAMDUN NI ARMY BARRACKS	NPIC	BIIR*	RCAB7-0032-70	NOV 69		3828N 12719E	KN 14		S043685
SANGJOK TONG ARMY BARRACKS + HQ 5TH ARMY	NPIC	BIIR*	RCAB7-0033-70	DEC 69		3829N 12720E	KN 14		S043435
MAYON NI ARMY BARRACKS	NPIC	BIIR*	RCAB7-0035-70	DEC 69		3825N 12720E	KN 14		S043361
YONGYON NI ARMY BARRACKS SOUTH	NPIC	BIIR*	RCAB7-0036-70	DEC 69		3829N 12719E	KN 14		S043329
YONGYON NI ARMY BARRACKS	NPIC	BIIR*	RCAB7-0037-70	DEC 69		3829N 12719E	KN 14		S043357
HAJU RI ARMY BARRACKS EAST	NPIC	BIIR*	RCAB7-0038-70	DEC 69		3828N 12719E	KN 14		S043358
POKHYE RI MILITARY AREA	NPIC	BIIR*	RCAB7-0039-70	DEC 69		3626N 12717E	KN 14		S043434
WANGNI NI ARMY BARRACKS	NPIC	BIIR*	RCAB7-0041-70	DEC 69		3828N 12709E	KN 14		S043359
SOSUPO ARMY BARRACKS SOUTH	NPIC	BIIR*	RCAB7-0042-70	DEC 69		3821N 12709E	KN 14		S043355
CHUNGONG NI ARMY BARRACKS + STORAGE NE	NPIC	BIIR*	RCAB7-0043-70	DEC 69		3822N 12718E	KN 14		S043362
SIRUME ARMY BARRACKS	NPIC	BIIR*	RCAB7-0049-70	DEC 69		3838N 12545E	KN 14		S043363
CHUNGONG NI HQ 35TH MORTAR REGIMENT + BKS	NPIC	BIIR*	RCAB7-0050-70	DEC 69		3821N 12718E	KN 14		S043426
SARIWON HEADQUARTERS 27TH MOTORIZED INF DIV	NPIC	BIIR*	RCAB7-0051-70	DEC 69		3829N 12546E	KN 14		S043624
SARIWON MOTOR POOL	NPIC	BIIR*	RCAB7-0052-70	DEC 69		3828N 12546E	KN 14		S043632
SANGJOK TONG ARMOR INSTALLATION	NPIC	BIIR*	RCAB7-0053-70	DEC 69		3829N 12719E	KN 14		S043607
OKTONG NI MILITARY BARRACKS AREA	NPIC	BIIR*	RCAB7-0055-70	DEC 69		3828N 12708E	KN 14		S043623
HWANGJU ARMY BARRACKS SOUTH	NPIC	BIIR*	RCAB7-0056-70	DEC 69		3855N 12546E	KN 14		S043611
SARIWON MILITARY BARRACKS AREA NNW	NPIC	BIIR*	RCAB7-0057-70	DEC 69		3836N 12544E	KN 14		S043622
WONSAN MILITARY VEHICLE MAINTENANCE DEPOT NW	NPIC	BIIR*	RCAB7-0058-70	DEC 69		3909N 12725E	KN 14		S043609
WONSAN ARMY BARRACKS SW	NPIC	BIIR*	RCAB7-0059-70	DEC 69		3904N 12721E	KN 14		S043618
HAECHON NI MILITARY AREA SW	NPIC	BIIR*	RCAB7-0060-70	DEC 69		3803N 12726E	KN 14		S043608
25X1									
25X2									
SALASPILS PHYSICS INST/LAIVIAN SCIENCE ACADY	NPIC	BIIR	RCAL14-0028-70	NOV 69		5652N 02421E	UR 13		S043007
25X1									
KRASNOYARSK/OMSK TV/MICROWAVE RELAY LINK	NPIC	HREF		DEC 69		5601N 09248E	UR 24		S043606
OMSK/KRASNOYARSK TV/MICROWAVE RELAY LINK	NPIC	HREF		DEC 69		5501N 07318E	UR 24		S043606
MISSION COVERAGE STATISTICS	NPIC	MCS		DEC 69			UR 14		S043537
BAN NA LOUNG COMMUNICATIONS FACILITY SEARCH	NPIC	MEMO		OCT 69		2028N 10413E	LA 05		S043096
LAOS INSURGENT ACTIVITY	NPIC	MEMO		OCT 69			LA 05		A100992
ELECTRONICS COMMUNICATIONS EQUIPMENT SEARCH	NPIC	MEMO	SC03112-69	NOV 69		2311N 08107W	CU 20		S043347
VANDERO FIFTEEN SITE POSS	NPIC	MEMO	SC03112-69	NOV 69		2054N 10559E	CU 20		S043347
VAN DIEN COMMUNICATIONS SUPPORT FACIL PROB	NPIC	MEMO	SC03112-69	NOV 69			VN 21		S043008
VIETNAM NORTH COMMUNICATION/ELCT FACILS SRCH	NPIC	MEMO	SC03112-69	NOV 69			VN 21		S043008
QUANG KHE LOGISTICS ACTIVITY	NPIC	MEMO	SC03112-69	DEC 69		1742N 10629E	VN 21		A100995
SOSUPO BORDER DEFENSE ZONE 1 12TH INF DIV	NPIC	MEMO		DEC 69		3821N 12707E	KN 14		S043186

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SUBJECT

ORIG TYPE REPT NR DATE MSN NR COORD CY SC ACC NR

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MISSILES, SS-9 VARIANT SEARCH	NPTC	MEMO		DEC 69										
TYURATAM MTC SS-9 VARIANT SEARCH	NPTC	MEMO		DEC 69										
WONSAN ARMY BARRACKS + HQ 29TH ARTY REGIMENT	NPTC	MEMO		NOV 69		4556N 06320E	UR	13	S043378					
HAINANTAO SIGINT FACILITIES SEARCH	NPTC	MEMO		NOV 69		3907N 12722E	KN	14	S043179					
ELECTRONICS, COASTAL SURVEILLANCE RADAR SRCH	NPTC	MEMO		NOV 69		1900N 10900E	CH	13	S043151					
ELECTRONICS, HEN HOUSE RADAR CONST SEARCH	NPTC	MEMO		DEC 69			UR	13	A100900					
ELECTRONICS, TV/MICROWAVE FACILITIES	NPTC	MEMO		DEC 69			UR	24	S043526					
TIEN SHAN TV/MICROWAVE FACILITIES SEARCH	NPTC	MEMO		DEC 69		4200N 08000E	UR	24	S043348					
TOMSK AW RADAR FACILITY SEARCH	NPTC	MEMO		DEC 69		5629N 08457E	UR	13	S043647					
MISSILES, SA-5 ACTIVITY SEARCH	NPTC	MEMO		DEC 69			UR	13	A100906					
MASAN NI ARMY BARRACKS + HQ 12TH INF DIV	NPTC	MEMO		OCT 69		3825N 12710E	KN	14	S043187					

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25X2

KROVNA MICROWAVE FACILITY	NPTC	MEMO		NOV 69		5536N 06456E	UR	13	S043150					
KOSOBRODSK R-600/R-607120 MICROWAVE RTE SRCH	NPTC	MEMO		NOV 69		5540N 06450E	UR	13	S043150					
UDORNSK TALL KING AW RADAR FACILITY	NPTC	MEMO		DEC 69		5803N 05813E	UR	13	S043606					
IZHEVSK TALL KING AW RADAR FACILITY	NPTC	MEMO		DEC 69		5654N 05319E	UR	13	S043646					
TURA TALL KING AW RADAR FACILITY	NPTC	MEMO		DEC 69		6417N 10014E	UR	13	S043646					
VOLOCHANKA TALL KING AW RADAR FACILITY	NPTC	MEMO		DEC 69		7057N 06034E	UR	13	S043646					

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CO LIEU PHUONG TANK DRIVER TRAINING AREA	NPTC	PIM		DEC 69		1706N 10650E	VN	07	S043204					
MILITARY, DMZ FIELD ARTILLERY + ARMOR ACT	NPTC	PIM		DEC 69			VN	07	S043204					
TRAM KHE FIELD ARTILLERY HOLDING AREA	NPTC	PIM		DEC 69		1707N 10655E	VN	07	S043204					
MILITARY, LOGISTICS ACTIVITY ROUTE 15	NPTC	PIM		DEC 69			VN	07	S043641					
MU GIA PASS LOGISTICS ACTIVITY	NPTC	PIM		DEC 69		1740N 10547E	VN	07	S043641					
TRANSPORTATION, ROUTE 15 LOGISTICS ACTIVITY	NPTC	PIM		DEC 69			VN	07	S043641					

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MATRUQ NI NAVAL REPAIR YARD EXPANSION	NPTC	PIM		DEC 69		3959N 12012E	KN	14	S043425					
SHIPYARDS, EXPANSION PROGRAMS	NPTC	PIM		DEC 69			KN	14	S043425					

25X1

CUA NAM TRIEU RADIO COMMO STATION LIGHTHOUSE	NPTC	REPT		NOV 69		1731N 10635E	VN	05	S043461					
DAN HOI ARMY BARRACKS SOUTH RADIO COMMO STA	NPTC	REPT		NOV 69		2045N 10651E	VN	05	S043478					
DIEN BIEU PHU RADIO COMMUNICATIONS FACILITY	NPTC	REPT		NOV 69		2104N 10543E	VN	05	S043408					
HA NOI COMMUNICATIONS FACILITY 1	NPTC	REPT		NOV 69		2122N 10300E	VN	05	S043462					
HA NOI COMMUNICATIONS FACILITY CHUC SON	NPTC	REPT		NOV 69		2101N 10550E	VN	05	S043477					
HA NOI COMMUNICATIONS FACILITY 2	NPTC	REPT		NOV 69		2056N 10541E	VN	05	S043405					
HA NOI COMMUNICATIONS FACILITY 3	NPTC	REPT		NOV 69		2101N 10551E	VN	05	S043482					
HA NOI HF COMMUNICATIONS FACILITY 1	NPTC	REPT		NOV 69		2101N 10550E	VN	05	S043485					
HA NOI HF COMMUNICATIONS FACILITY HA DONG	NPTC	REPT		NOV 69		2058N 10547E	VN	05	S043469					
HA NOI HF COMMUNICATIONS FACILITY NH	NPTC	REPT		NOV 69		2101N 10550E	VN	05	S043485					
HA NOI HF COMMUNICATIONS FACILITY PHU COC	NPTC	REPT		NOV 69		2051N 10547E	VN	05	S043464					
HA NOI HF COMMUNICATIONS FACILITY SON DONG	NPTC	REPT		NOV 69		2102N 10541E	VN	05	S043467					
HA NOI HF COMMUNICATIONS FACILITY 1	NPTC	REPT		NOV 69		2101N 10551E	VN	05	S043481					
HA NOI HF COMMUNICATIONS FACILITY 3	NPTC	REPT		NOV 69		2101N 10551E	VN	05	S043481					
HA NOI HF COMMUNICATIONS FACILITY 4	NPTC	REPT		NOV 69		2101N 10551E	VN	05	S043484					

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25X1		TOP SECRET CHESH		25X1		25X1		25X1	
SUBJECT	ORIG	TYPE	REPT NR	DATE	MSN NR	COORD	CY	SC	ACC NR
HA NOI HF COMMUNICATIONS FACILITY 7	NPIC	REPT		NOV 69		2101N 10550E	VN	05	S043487
HA NOI RADIO BROADCAST STATION ME TRI	NPIC	REPT		NOV 69		2059N 10547E	VN	05	S043488
HA NOI RADIO COMMUNICATIONS STA BAC MAI EAST	NPIC	REPT		NOV 69		2059N 10550E	VN	05	S043489
HA NOI RADIO COMMUNICATIONS STA HA DONG 2	NPIC	REPT		NOV 69		2056N 10546E	VN	05	S043490
HA NOI RADIO COMMUNICATIONS STA THUY KHUE NW	NPIC	REPT		NOV 69		2102N 10549E	VN	05	S043478
HA NOI RADIO COMMUNICATIONS STATION DAI MO	NPIC	REPT		NOV 69		2059N 10546E	VN	05	S043466
HA NOI RADIO COMMUNICATIONS STATION SOUTH	NPIC	REPT		NOV 69		2059N 10550E	VN	05	S043479
HA NOI RADIO COMMUNICATIONS STATION YEN HOA	NPIC	REPT		NOV 69		2101N 10548E	VN	05	S043474
HA NOI RADIO COMMUNICATIONS STATION 11	NPIC	REPT		NOV 69		2101N 10550E	VN	05	S043490
HA NOI RADIO COMMUNICATIONS STATION 10	NPIC	REPT		NOV 69		2102N 10550E	VN	05	S043491
HA NOI RADIO COMMUNICATIONS STATION 11	NPIC	REPT		NOV 69		2101N 10550E	VN	05	S043492
HA NOI RADIO COMMUNICATIONS STATION 12	NPIC	REPT		NOV 69		2101N 10551E	VN	05	S043486
HA NOI RADIO COMMUNICATIONS STATION 6	NPIC	REPT		NOV 69		2101N 10550E	VN	05	S043488
HA NOI RADIO COMMUNICATIONS STATION 8	NPIC	REPT		NOV 69		2102N 10550E	VN	05	S043489
HA NOI RADIO COMMUNICATIONS STATION 9	NPIC	REPT		NOV 69		2058N 10550E	VN	05	S043499
HA NOI/BAC MAI RADIO COMMO STATION SOUTH	NPIC	REPT		NOV 69		2059N 10549E	VN	05	S043471
HA NOI/BAC MAI RADIO COMMUNICATIONS STATION	NPIC	REPT		NOV 69		2052N 10642E	VN	05	S043493
HAI PHONG HF COMMUNICATIONS FACILITY	NPIC	REPT		NOV 69		2048N 10638E	VN	05	S043476
HAI PHONG RADIO COMMUNICATIONS STA KIEN AN	NPIC	REPT		NOV 69		2051N 10641E	VN	05	S043497
HAI PHONG RADIO COMMUNICATIONS STATION	NPIC	REPT		NOV 69		2115N 10552E	VN	05	S043475
LANG TRUOC HF COMMUNICATIONS FACILITY	NPIC	REPT		NOV 69		2131N 10758E	VN	05	S043463
MONG CAI RADIO COMMUNICATIONS FACILITY	NPIC	REPT		NOV 69		2104N 10527E	VN	05	S043473
NGAI SON RADIO COMMUNICATIONS STATION	NPIC	REPT		NOV 69		2113N 10548E	VN	05	S043472
PHUC YEN RADIO COMMUNICATIONS STATION 2	NPIC	REPT		NOV 69		1948N 10546E	VN	05	S043496
THANH HOA HF COMMUNICATIONS STATION	NPIC	REPT		NOV 69			VN	05	S043468
VIETNAM NORTH WEATHER STATIONS	NPIC	REPT		NOV 69		2111N 10141E	LA	08	S043042
BAN BOTENE/MUONG SAI ROAD CHINESE SUPT FACLS	NPIC	REPT		NOV 69		2055N 10146E	LA	08	S043042
BAN NAMXE CHINESE MILITARY SUPPORT FACLS	NPIC	REPT		NOV 69		2053N 10147E	LA	08	S043042
BAN NAMXE MILITARY HQ/BKS/SUPPORT CPLX PROB	NPIC	REPT		NOV 69		2104N 10138E	LA	08	S043042
BAN SYDA BYPASS BRIDGE ROUTE 412	NPIC	REPT		NOV 69			LA	08	S043042
MILITARY CHINESE SUPPORT FACILS ROUTE 412/4	NPIC	REPT		NOV 69			LA	08	S043042
MUONG SAI/BAN BOTENE ROAD CHINESE SUPT FACLS	NPIC	REPT		NOV 69		2042N 10159E	LA	08	S043042
TRANSPORTATION ROUTES 412/4 CHINESE SUPPORT	NPIC	REPT		NOV 69			LA	08	S043042
GIAP NHAT TRANSSHIPMENT POINT SONG TROC	NPIC	REPT		DEC 69		1737N 10622E	VN	07	S043549
GIAP IAIN MILITARY TRUCK PARK	NPIC	REPT		DEC 69		1747N 10623E	VN	07	S043549
QUANG KHE TRANSSHIPMENT POINT + POL STORAGE	NPIC	REPT		DEC 69		1742N 10629E	VN	07	S043549
VIETNAM NORTH LOGISTICS ACTIVITY	NPIC	REPT		DEC 69			VN	07	S043549
VIETNAM NORTH VEHICULAR ACTIVITY	NPIC	REPT		DEC 69			LA	07	S043458
LAOS-VIETNAM NORTH POL PIPELINE	NPIC	REPT		DEC 69			VN	07	S043458
VIETNAM NORTH-LAOS POL PIPELINE	NPIC	REPT		NOV 69			UR	13	S043175
OAK MISSILE SUPPLEMENT	NPIC	REPT		NOV 69			UR	13	S043036
OAK GROUND FORCE SUPPLEMENT	NPIC	REPT		NOV 69			UR	13	S043258

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TOP SECRET [Redacted]

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SUBJECT

ORIG TYPE REPT NR DATE VSU NR CDRS

[Redacted]

OAK [Redacted] PART 2 IPIR 2
OAK [Redacted] CUMULATIVE INDEX
TEST + EVALUATION REPORT
EXPLORATORY LABORATORY REPORT
PHOTOGRAPHY, IRIS 2 CAMERA SYSTEM
FRAME EPHEMERIS + CAMERA ORIENTATION DATA

NPIC REPT
NPIC REPT
NPIC TP
NPIC TP
NPIC TP

UR 13 S043523
UR 13 S043525
UR 13 S043538
87 S043539
87 S043555
84 S043182
UR 13 S043364

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TOP SECRET [Redacted]

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SUBJECT		ORIG	TYPE	REPT NR	DATE	MSN NR	COORD	CY	SC	ACC NR
25X1										
TOP SECRET										
DIA REPORTS										
25X1										
TANGKU SA-2 SITE A36	DIA	BIIB	BDA04-0006-70	DEC	69		3908N 11737E	CH	13	S043330
GLAZOV SA-5 COMPLEX B36	DIA	BIIB	BDA04-0010-70	DEC	69		5020N 05239E	UR	13	S043612
PEICHING SA-2 SITE D28	DIA	BIIB	BDA04-0011-70	DEC	69		3958N 11542E	CH	13	S043616
SHANGHAI PORT FACILITIES SOUTH	DIA	BIIB	BDA10-0006-70	DEC	69		3114N 12129E	CH	14	S043264
HWANG CHON ARMY SUPPLY DEPOT	DIA	BIIB	BDA10-0008-70	DEC	69		3910N 12548E	KN	14	S043430
HUICHON ARMY SUPPLY DEPOT NORTH	DIA	BIIB	BDA10-0010-70	DEC	69		4010N 12616E	KN	13	S043595
25X1										
PYONGYANG AIRFIELD EAST	DIA	BIIR	RDA05-0004-70	DEC	69		3900N 12550E	KN	13	S043614
ARKHANGELSK/KHOLM AIRFIELD	DIA	BIIR	RDA05-0020-69	DEC	69		6422N 04043E	UR	13	S043547
KOSONG NAVAL FACILITY	DIA	BIIR	RDA06-0002-70	NOV	69		3844N 12811E	KN	13	S043196
25X1										
KUNMING ARMY BARRACKS SE ALI	DIA	BIIR	RDA07-0009-70	NOV	69		2500N 10250E	CH	13	S043206
25X1										
SHANTOU ARMY BARRACKS LIENTANG ALI	DIA	BIIR	RDA07-0018-70	DEC	69		2320N 11635E	CH	24	S043564
HAMHUNG HEADQUARTERS 7TH ARMY GROUP	DIA	BIIR	RDA07-0018-70	NOV	69		3955N 12732E	KN	14	S043698
CHUUL TONG ARMY BARRACKS + HQ 58TH INF REGT	DIA	BIIR	RDA07-0019-70	DEC	69		3809N 12653E	KN	14	S043453
25X1										
KUNMING AMMUNITION + SUPPLY DEPOT TAPANCHIAO	DIA	BIIR	RDA10-0009-70	NOV	69		2502N 10250E	CH	13	S043194
25X1										
LENINGRAD SHIPYARD SUDOMERH 196	DIA	BIIR	RDA11-0013-70	NOV	69		5955N 03016E	UR	13	S043005
NIKOLAYEV SHIPYARD NORTHERN 61 KOMMUNA 445	DIA	BIIR	RDA11-0014-70	NOV	69		4658N 03200E	UR	13	S043001
NIKOLAYEV SHIPYARD NOSENKO 444	DIA	BIIR	RDA11-0015-70	NOV	69		4656N 03150E	UR	13	S043210
LENINGRAD SHIPYARD ADMIRALTY 194	DIA	BIIR	RDA11-0018-70	DEC	69		5955N 03016E	UR	13	S043354
25X1										
CHERNIGOV AMMUNITION DEPOT DAZ	DIA	IIM	9A-0018-69	OCT	69		5119N 03050E	UR	13	S043125
KUZHORSKAYA MILITARY TRAINING AREA	DIA	IIM	9A-0025-69	NOV	69		4438N 04021E	UR	13	S043379
KOMSOBOLSK SHIPYARD AMUR 199	DIA	IIM	9A-0028-69	OCT	69		5032N 13703E	UR	13	A100972
25X1										
CHANGUN MILITARY INSTL VIUKOI GORODOK SEARCH	DIA	IIM	9A-0033-69	NOV	69		5957N 02932E	UR	13	S043220
25X1										

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ORIG TYPE REPT NR DATE WSN NR COORD CY SC ACC NR

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DERAZHNYA SSM SITES TYPE 3D NEW	DIA	IIM	9A-2601-69	OCT 69		4923N 02716E	UR 13	S043051
PERVOMAYSK SSM SITES TYPE 3D NEW	DIA	IIM	9A-2601-69	OCT 69		4802N 03100E	UR 13	S043104
KHERSON SA-2 COMPLEX A13 U/C	DIA	IIM	9A-2604-69	OCT 69		4634N 03244E	UR 12	S043062

25X1

ROSTOV SA-2 SITE B21 MISSILE READY BUNKER	DIA	IIM	9A-2607-69	OCT 69		4700N 03900E	UR 13	S043072
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TAMBOV SA-2 SITE C17 MISSILE READY BKR U/C	DIA	IIM	9A-2607-69	OCT 69		5217N 04130E	UR 13	S043069
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VALDAY SA-2 SITE B31 MISSILE READY BUNKER	DIA	IIM	9A-2610-69	OCT 69		5806N 03250E	UR 13	S043110
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GURBAN OZAGALIM SUMA AIRFIELD	DIA	IIM	9A-2633-69	OCT 69		4918N 11455E	MG 13	S043068
SARAAHAVN ORTOO AIRFIELD	DIA	IIM	9A-2634-69	OCT 69		4918N 11416E	MG 13	S043067

25X1

KALINOVKA AIRFIELD SEARCH	DIA	IIM	9A-2643-69	OCT 69		4102N 06013E	UR 13	S043109
IRZHARSKAYA AIRFIELD	DIA	IIM	9A-2643-69	OCT 69		4041N 06012E	UR 13	S043102

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PERVOMAYSK SSM SITES TYPE 3D NEW	DIA	IIM	9A-2667-69	OCT 69		4831N 03057E	UR 13	S043052
KRYMSK SA-3 SITE A30	DIA	IIM	9A-2670-69	OCT 69		4456N 03756E	UR 13	S043059

25X1

METS MAZRA AIRFIELD	DIA	IIM	9A-2698-69	NOV 69		4012N 04545E	UR 13	S043057
GORADIZ AIRFIELD	DIA	IIM	9A-2699-69	NOV 69		3925N 04718E	UR 13	S043054
ASHAGY MARALYAN AIRFIELD	DIA	IIM	9A-2700-69	NOV 69		3922N 04714E	UR 13	S043103
ZHDANOVSK AIRFIELD	DIA	IIM	9A-2701-69	NOV 69		3945N 04729E	UR 13	S043106
SISYAN AIRFIELD	DIA	IIM	9A-2702-69	NOV 69		3931N 04602E	UR 13	S043107
YENBEKSHI AIRFIELD	DIA	IIM	9A-2703-69	NOV 69		4611N 00050E	UR 13	S043055

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SUBJECT	ORIG	TYPE	REPT NR	DATE	MSN NR	COORD	CY	SC	ACC	NR
[REDACTED]										
REPYEVKA/PRILEPY AIRFIELD	DIA	IIM	9A-2738-69	NOV 69	5125N	03837E	UR	13	S04	3277
GREMYACHYE AIRFIELD	DIA	IIM	9A-2731-69	NOV 69	5128N	03858E	UR	13	S04	3278
SIBIU/TURNISOR AIRFIELD	DIA	IIM	9A-2732-69	NOV 69	4547N	02405E	RU	13	S04	3307
CHERNOGOROVO AIRFIELD NE	DIA	IIM	9A-2733-69	NOV 69	4217N	02426E	RU	13	S04	3276
POPOVO AIRFIELD	DIA	IIM	9A-2734-69	NOV 69	4302N	02514E	BU	13	S04	3308
VRATSA AIRFIELD NORTH	DIA	IIM	9A-2735-69	NOV 69	4315N	02331E	BU	13	S04	3309
GORNA ORYAKHOVITSA AIRFIELD	DIA	IIM	9A-2736-69	NOV 69	4308N	02543E	RU	13	S04	3310
ISEROVA KORIYA AIRFIELD	DIA	IIM	9A-2737-69	NOV 69	4302N	02543E	BU	13	S04	3270
ROGOSH AIRFIELD	DIA	IIM	9A-2738-69	NOV 69	4209N	02452E	RU	13	S04	3311
[REDACTED]										
BARGUZIN AIRFIELD STORAGE/SUPPORT AREA PROB	DIA	IIM	9A-2780-69	NOV 69	5358N	10938E	UR	13	S04	3399

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SUBJECT	ORIG	TYPE	REPT NR	DATE	MSN NR	COORD	CY	SC	ACC NR
BARGUZIN MILITARY STORAGE AREA POSS	DIA	IIM	9A-2788-69	NOV 69	5337M	10937E	UR	13	S043593
PETROVSK ZARAYKALSKIY MILITARY BARRACKS POSS	DIA	IIM	9A-2788-69	NOV 69	5115M	10849E	UR	13	S043593
MISSILES SA-3 SITES POSS SEARCH	DIA	IIM	9A-2797-69	NOV 69			CZ	13	S043437
KELYETA AIRFIELD	DIA	IIM	9A-2800-69	NOV 69	3816M	05742E	UR	13	S043422
KHALADZHAN AIRFIELD	DIA	IIM	9A-2802-69	NOV 69	3951M	06635E	UR	13	S043521
DZHUMA AIRFIELD NE	DIA	IIM	9A-2803-69	NOV 69	3945M	06643E	UR	13	S043423
AL ISKANDARIYAH THERMAL POWER PLANT EL SIOUF	DIA	IIM	9B-1134-69	OCT 69	3113M	02959E	E6	13	S043216
AL ISKANDARIYAH HIGHWAY BRIDGE	DIA	IIM	9B-1142-69	OCT 69	3103M	02945E	E6	13	S043190
AL ISKANDARIYAH MISSILE SUPT FACIL SHIPBORNE	DIA	IIM	9B-1169-69	OCT 69	3101M	02942E	E6	13	S043212

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TOP SECRET

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[REDACTED]		TOP SECRET		[REDACTED]		[REDACTED]		[REDACTED]	
SUBJECT	ORIG	TYPE	REPT NR	DATE	MSN NR	COORD	CY	SC	ACC NR
ANTONIO MACEO AIRFIELD	DIA	IIM	98-1355-69	NOV 69	[REDACTED]	1958N 07550W	CU	05	S043453
JAIME GONZALES AIRFIELD	DIA	IIM	98-1361-69	NOV 69	[REDACTED]	2209N 08024W	CU	05	S043452
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
KUNMING/WUCHIAPU AIRFIELD	DIA	IIM	98-1381-69	NOV 69	[REDACTED]	2459N 10244E	CH	13	S043438
MASHGHARAH HYDROELECTRIC POWER PLANT AWWALI	DIA	IIM	98-1392-69	DEC 69	[REDACTED]	3324N 03530E	LF	13	S043563
THAI NGUYEN IRON & STEEL COMBINE	DIA	IIM	98-2000-69	OCT 69	[REDACTED]	2123N 10552E	VN	05	S043143
PHU QUI POL STORAGE	DIA	IIM	98-2733-69	NOV 69	[REDACTED]	1729N 10634E	VN	08	S043136
CHAP LE POL STORAGE SEARCH	DIA	IIM	98-2737-69	NOV 69	[REDACTED]	1705N 10656E	VN	07	S043142
BAC GIANG POW CAMP N35 POSS	DIA	IIM	98-2744-69	NOV 69	[REDACTED]	2117N 10613E	VN	05	S043100
HAI PHONG STORAGE AREA	DIA	IIM	98-2752-69	NOV 69	[REDACTED]	2051N 10642E	VN	05	S043137
TRANSPORTATION, WATERWAY SEGMENT REPORT	DIA	IIM	98-2772-69	NOV 69	[REDACTED]	[REDACTED]	LA	07	S043135
TRANSPORTATION, WATERWAY SEGMENT REPORT	DIA	IIM	98-2776-69	NOV 69	[REDACTED]	[REDACTED]	VN	07	S043135
TRANSPORTATION, RAIL STUDY	DIA	IIM	98-2773-69	NOV 69	[REDACTED]	[REDACTED]	VN	08	S043133
TRANSPORTATION, WATERWAY SEGMENT REPORT	DIA	IIM	98-2777-69	NOV 69	[REDACTED]	[REDACTED]	LA	07	A100961
TRANSPORTATION, RAIL STUDY	DIA	IIM	98-2779-69	NOV 69	[REDACTED]	[REDACTED]	VN	08	S043132
TRANSPORTATION, WATERWAY SEGMENT REPORT	DIA	IIM	98-2784-69	NOV 69	[REDACTED]	[REDACTED]	LA	07	A100968
TRANSPORTATION, WATERWAY SEGMENT REPORT	DIA	IIM	98-2784-69	NOV 69	[REDACTED]	[REDACTED]	VN	07	A100968
VINH SON HEADQUARTERS 324TH INF DIV SOUTH	DIA	IIM	98-2788-69	NOV 69	[REDACTED]	1853N 10518E	VN	08	S043549
TRANSPORTATION, RAIL STUDY	DIA	IIM	98-2791-69	NOV 69	[REDACTED]	[REDACTED]	VN	08	S043134
TRANSPORTATION, RAIL STUDY	DIA	IIM	98-2799-69	NOV 69	[REDACTED]	[REDACTED]	VN	05	A100987
TRANSPORTATION, WATERWAY SEGMENT REPORT	DIA	IIM	98-2800-69	NOV 69	[REDACTED]	[REDACTED]	LA	07	A100988
TRANSPORTATION, RAIL STUDY	DIA	IIM	98-2810-69	NOV 69	[REDACTED]	[REDACTED]	VN	05	S043583
TUYEN QUANG ARMY BARRACKS SOUEI LING SOUTH	DIA	IIM	98-2818-69	NOV 69	[REDACTED]	2146N 10513E	VN	05	S043373
TUYEN QUANG POW CAMP POSS	DIA	IIM	98-2818-69	NOV 69	[REDACTED]	2146N 10513E	VN	05	S043373
TRANSPORTATION, WATERWAY SEGMENT REPORT	DIA	IIM	98-2817-69	NOV 69	[REDACTED]	[REDACTED]	LA	07	A100989
TRANSPORTATION, RAIL STUDY	DIA	IIM	98-2818-69	NOV 69	[REDACTED]	[REDACTED]	VN	07	A100991
TRANSPORTATION, WATERWAY SEGMENT REPORT	DIA	IIM	98-2824-69	NOV 69	[REDACTED]	[REDACTED]	VN	08	A100976
TRANSPORTATION, RAIL STUDY	DIA	IIM	98-2825-69	NOV 69	[REDACTED]	[REDACTED]	VN	08	A100993
TRANSPORTATION, WATERWAY SEGMENT REPORT	DIA	IIM	98-2843-69	NOV 69	[REDACTED]	[REDACTED]	VN	05	A100974
TRANSPORTATION, RAIL STUDY	DIA	IIM	98-2845-69	NOV 69	[REDACTED]	[REDACTED]	VN	08	S043382
TRANSPORTATION, RAIL STUDY	DIA	IIM	98-2847-69	NOV 69	[REDACTED]	[REDACTED]	VN	07	S043369
TRANSPORTATION, WATERWAY SEGMENT REPORT	DIA	IIM	98-2852-69	NOV 69	[REDACTED]	[REDACTED]	LA	07	A100973

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Approved For Release 2003/12/19 : CIA-RDP78T04759A009700010087-6

PART III

Listing of Reports by General Subject

Approved For Release 2003/12/19 : CIA-RDP78T04759A009700010087-6

Next 35 Page(s) In Document Exempt

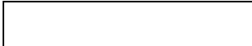
APPENDIX

Abstracts of Basic Imagery Interpretation Reports and Briefs

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S043078 CLASS 04 RRG-23/5006/69
KILDIN CLASS DDGS ODF 67-0080

THIS REPORT PROVIDES A DETAILED, IMAGERY-DERIVED ANALYSIS OF THE KILDIN CLASS DDGS. BASED ON SMALL FORMAT AND OVERHEAD PHOTOGRAPHY, THIS REPORT INCLUDES VESSEL CHARACTERISTICS, SELECTED PHOTOGRAPHIC VIEWS, PROVISIONAL SCALE DRAWINGS, AND REFERENCE DATA.

THE KILDIN CLASS DDGS, CONSISTING OF FOUR OPERATIONAL UNITS, IS 415 FEET LONG AND HAS A [REDACTED] MAXIMUM BEAM. THIS DESTROYER IS ARMED WITH FOUR QUAD 57-MM. AA GUN MOUNTS, ONE SS-N-1 MISSILE LAUNCHER, TWO TWIN 21-INCH TORPEDO TUBES, AND TWO 16-BARREL MBU 2500 ROCKET LAUNCHERS. PROMINENT RECOGNITION FEATURES INCLUDE ONE SINGLE SURFACE-TO-SURFACE MISSILE LAUNCHER ON THE STERN, TWO AA GUNS MOUNTED FORWARD, ONE TOWERING QUADRUPED FOREMAST, AND ONE SMALLER TRIPOD MAINMAST.

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THE INTELLIGENCE CUT-OFF DATE FOR THIS REPORT IS OCTOBER 1969.

S043079 CLASS 24V BCA-09/0019/70
MOSCOW AIRFRAME PLANT 30 [REDACTED]

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THIS REPORT UPDATES THE REPORT LISTED BELOW WHICH SUBSTANTIALLY SATISFIES BASIC REPORTING REQUIREMENTS FOR THIS TARGET. ACTIVITY SINCE [REDACTED] THE DATE OF INFORMATION FOR THE REFERENCED REPORT, IS INCLUDED UNDER BASIC DESCRIPTION.

NPIC. [REDACTED] MOSCOW AIRFRAME PLANT 30, FEB 69
(TOP SECRET [REDACTED])

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S043080 CLASS 25B RCA-01/0002/70
PHOTOGRAPHIC ANALYSIS OF THE SOVIET SS-7 ICBM WEAPONS SYSTEM
BE VARIOUS

FLIGHT TESTING OF THE SS-7 (SADDLER) ICBM BEGAN IN LATE 1960 AT THE TYURATAM MISSILE TEST CENTER, USSR. THE SS-7 IS A TWO-STAGE, TANDEM, LIQUID-PROPELLED MISSILE. BY THE END OF 1963 IT WAS DEPLOYED AT 15 ICBM COMPLEXES WHICH CONTAINED 128 SOFT LAUNCHERS AND 69 HARDENED SILOS. THE SOFT DEPLOYED SITES INCLUDE THREE VARIATIONS (TYPES IIA, IIB, AND IID) AND THE HARD SITES ARE OF ONE TYPE (IIIA). TYURATAM COMPLEX C CONTAINED THE SOFT SITE PROTOTYPES AND COMPLEX D THE HARD SITE PROTOTYPE. CONSTRUCTION OF COMPLEX C PROBABLY BEGAN IN LATE 1959, AND COMPLEX D WAS FIRST OBSERVED UNDER CONSTRUCTION IN LATE 1960.

S043081 CLASS 24W RDA-08/0001/70

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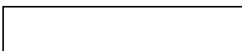
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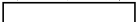
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LU-TA COASTAL DEFENSE SITE CRUISE MISSILE TACTICAL SHORT RANGE



25X1

THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF LU-TA COASTAL DEFENSE SITE CRUISE MISSILE (CM) TACTICAL SHORT RANGE (TSR) AND ITS ASSOCIATED SUPPORT AREAS IN COMMUNIST CHINA. THE INSTALLATION WAS FIRST SEEN IN [REDACTED] AND ONLY MINOR CHANGES HAVE OCCURRED SINCE THAT DATE. IT COVERS APPROXIMATELY 6 SQUARE MILES AND CONTAINS TWO REVETTED LAUNCH PADS, AN UNOCCUPIED PROBABLE ACQUISITION/GUIDANCE AREA, A HOUSING/SUPPORT AREA, AND A MISSILE-HANDLING AREA. THIS DEFENSIVE AREA APPEARS TO BE COMPLETE, ALTHOUGH THE LAUNCH POSITIONS HAVE NEVER BEEN OCCUPIED WHEN OBSERVED.

INCLUDED IN THIS REPORT ARE A LOCATION MAP, ANNOTATED PHOTOGRAPHS, AND TABULAR MATERIAL. A REFERENCE DATA LIST FURNISHES PHOTOGRAPHIC AND DOCUMENTARY SOURCES.

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S043085 CLASS 13 RDA-11/0013/70
LENINGRAD SHIPYARD SUDOMEKH 196 [REDACTED]

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THIS IS A DETAILED PHOTO-DERIVED REPORT ON ACTIVITIES AT LENINGRAD SHIPYARD SUDOMEKH 196, U.S.S.R., DURING THE PERIOD [REDACTED] SIGNIFICANT ACTIVITIES OCCURRING DURING THE REPORTING PERIOD WERE THE ARRIVAL OF A FLOATING DRYDOCK, A

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TOP SECRET



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25X1 [redacted]

TOP SECRET

[redacted]

[redacted] 25X1

TRANSPORTER DOCK, AND AN F CLASS SS. THE NEW A CLASS SS REMAINS AT THE YARD FITTING OUT AND IS OBSCURED FROM VIEW THROUGH THE USE OF OTHER VESSELS, FLOATING SCREENS, AND CANVAS PANELS DRAPED OVERHEAD. NEW BUILDING CONSTRUCTION PREVIOUSLY REPORTED 1/2/ SHOWS NO EVIDENCE OF PROGRESS. THE MAJOR COMBATANT VESSEL PRODUCED AT THIS YARD IS THE F CLASS SS.

THIS REPORT CONTAINS AN ANNOTATED PHOTO AND AN ACCOMPANYING TABLE THAT DEPICT THE MOVEMENT OF SHIPS WITHIN THE YARD, SHIP CONSTRUCTION, FITTING OUT, REPAIRS, CONVERSION, AND MODIFICATION, AND NEW BUILDING CONSTRUCTION. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES. A STANDARD IMAGERY TARGET DEFINITION (SITD) SHEET IS INCLUDED.

S043086 CLASS 13Y RDA-11/0011/70 [redacted] 25X1
LENINGRAD SHIPYARD ADMIRALTY 194 [redacted]

THIS REPORT IS A DETAILED PHOTO-DERIVED DESCRIPTION OF ACTIVITY AT LENINGRAD SHIPYARD ADMIRALTY 194, U.S.S.R., FROM [redacted] 25X1
ACTIVITIES DESCRIBED IN THIS REPORT INCLUDE THE MOVEMENT OF SHIPS WITHIN THE YARD, SHIP CONSTRUCTION, FITTING OUT, AND NEW BUILDING CONSTRUCTION.

SIGNIFICANT EVENTS DURING THE REPORTING PERIOD INCLUDE CONSTRUCTION ON A NEW PROBABLE FABRICATION BUILDING BEHIND THE SUBMARINE CONSTRUCTION HALL, THE LAUNCHING OF THE VOSTOK CLASS FISH FACTORY SHIP, AND THE POSITIONING OF A FLOATING DRYDOCK AGAINST THE SUBMARINE CONSTRUCTION HALL.
A STANDARD IMAGERY TARGET DEFINITION (SITD) SHEET IS INCLUDED.

S043087 CLASS 13Y RCA-14/0028/70
SALASPILS INSTITUTE OF PHYSICS LATVIAN ACADEMY OF SCIENCES

25X1

THE SALASPILS INSTITUTE OF PHYSICS, LATVIAN ACADEMY OF SCIENCES, IS LOCATED NEAR SALASPILS, APPROXIMATELY 22 NAUTICAL MILES SOUTH OF RIGA, USSR. THE INSTITUTE IS A BASIC RESEARCH CENTER EQUIPPED WITH A MODIFIED POOL-TYPE RESEARCH REACTOR. REPORTEDLY, STUDIES ARE CONDUCTED IN NUCLEAR PHYSICS, SOLID STATE PHYSICS, [redacted] 25X1
AND GAMMA IRRADIATION. FACILITIES AT THE INSTITUTE HAVE BEEN UNDER CONSTRUCTION SINCE THE INSTITUTE WAS FIRST IDENTIFIED ON [redacted]

THIS REPORT INCLUDES A FUNCTIONAL DESCRIPTION OF THE INSTITUTE, ANNOTATED GRAPHICS WITH TABLES, AND MENSURAL DATA.

3A 25X1

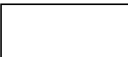
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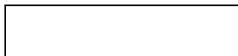
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[redacted]

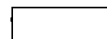
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S043088 CLASS 13Y RDA-06/0004/70
SHANGHAI NAVAL BASE JUKONG WHARVES

25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF SHANGHAI NAVAL BASE JUKONG WHARVES FROM [REDACTED] THE BASE ENCOMPASSES 34 ACRES ON THE WEST BANK OF THE HUANG-PU CHIANG (RIVER), IN THE CITY OF SHANGHAI IN COMMUNIST CHINA. IT CONTAINS THE FOLLOWING 57 BUILDINGS -- 4 ADMINISTRATION, 2 ADMINISTRATION/TRAINING, 7 BARRACKS, 7 SHOPS, 25 STORAGE, AND 12 MISCELLANEOUS SUPPORT. IN ADDITION, FACILITIES INCLUDE TWO OFFSHORE WHARVES, THREE OPEN STORAGE AREAS, AND A PROBABLE POL STORAGE TANK. THE INSTALLATION SERVES AS A COASTAL DEFENSE FORCE BASE FOR UNITS OF THE CHINESE COMMUNIST NAVY.

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THIS REPORT INCLUDES A LOCATION MAP, AN ORIENTATION PHOTO, AN ANNOTATED PHOTO DEPICTING DETAILS OF THE FACILITY, MENSURATION DATA, AND AN IMAGERY AND DOCUMENTARY DATA LIST. A STANDARD IMAGERY TARGET DEFINITION (SITD) SHEET IS INCLUDED.

S043089 CLASS 13Y RDA-07/0015/70
KISHINEV ARMY BARRACKS NORTHWEST AL-1

25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF KISHINEV ARMY BARRACKS NORTHWEST AL-1, LOCATED IN THE NORTHWESTERN PART OF THE CITY OF KISHINEV IN THE ODESSA MILITARY DISTRICT OF THE U.S.S.R. THIS PARTIALLY SECURED, ACTIVE INSTALLATION ENCOMPASSES 5.4 ACRES AND CONTAINS 13 BUILDINGS FOR ADMINISTRATION/BILLETING, VEHICLE STORAGE/ MAINTENANCE, GENERAL STORAGE, AND SUPPORT. NO TRAINING FACILITIES ARE OBSERVED. EQUIPMENT OBSERVED ON PHOTOGRAPHY OF [REDACTED] AND [REDACTED] CONSISTED ONLY OF UTILITY AND CARGO TRUCKS.

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THE ANNOTATED PHOTOGRAPHS SHOW A DETAILED LAYOUT OF THE AREA AND DELINEATE THE INTERRELATIONSHIP OF THE INDIVIDUAL COMPONENTS AND ASSOCIATED FACILITIES. TABULAR DATA PROVIDE THE LOCATION OF ASSOCIATED VEHICLES AND EQUIPMENT BY TYPE WITHIN EACH FUNCTIONAL AREA AND THE MEASUREMENTS OF ALL STRUCTURES. A REFERENCE DATA LIST FURNISHES IMAGERY SOURCES. A STANDARD IMAGERY TARGET DEFINITION (SITD) IS INCLUDED IN THIS REPORT.

S043090 CLASS 14Z RDA-07/0018/70
HAMHUNG HEADQUARTERS 7TH ARMY GROUP

25X1

THIS REPORT IS AN IMAGERY-DERIVED ANALYSIS OF HAMHUNG

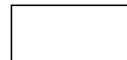
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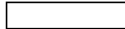
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HEADQUARTERS 7TH ARMY GROUP, WHICH IS LOCATED IN THE EAST-CENTRAL PORTION OF NORTH KOREA. THE INSTALLATION ENCOMPASSES 45 ACRES AND CONTAINS 44 BUILDINGS FOR ADMINISTRATION/BILLETING, VEHICLE STORAGE, AND GENERAL STORAGE. TRAINING/EXERCISE FACILITIES ARE LIMITED TO TWO SMALL ARMS FIRING RANGES AND ONE PARADE/EXERCISE FIELD. THE WELL-KEPT APPEARANCE AND TRACKAGE INDICATE THE POST IS ACTIVE, HOWEVER, AN OCCUPANCY LEVEL CANNOT BE DETERMINED FROM AVAILABLE IMAGERY. ANNOTATED IMAGERY DELINEATES THE INTERRELATIONSHIP OF THE FUNCTIONAL AREAS AND ASSOCIATED FACILITIES. TABULAR DATA PROVIDE THE MEASUREMENT OF ALL STRUCTURES. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES.

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S043091 CLASS 13Y RDA-11/0014/70
 NIKOLAYEV SHIPYARD NORTHERN 61 KOMMUNA 445

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THIS IS A DETAILED PHOTO-DERIVED ACTIVITY REPORT ON NIKOLAYEV SHIPYARD NORTHERN 61 KOMMUNA 445, IN THE U.S.S.R., COVERING THE PERIOD SIGNIFICANT ACTIVITY AT THE YARD DURING THE REPORTING PERIOD INCLUDES THE LAUNCHING OF A SIBIR CLASS REFRIGERATOR TRANSPORT, CONTINUING CONSTRUCTION ON THE LARGE UNIDENTIFIED PROBABLE COMBATANT VESSEL, AND FURTHER CONSTRUCTION IN THE NORTH SECTION OF THE YARD. ACTIVITIES DESCRIBED IN THIS REPORT INCLUDE THE MOVEMENT OF SHIPS WITHIN THE YARD, SHIP CONSTRUCTION, FITTING OUT, REPAIR, CONVERSION, AND MODIFICATION, AND NEW BUILDING CONSTRUCTION. THE MAJOR COMBATANT VESSEL PRODUCED AT THIS INSTALLATION IS THE KASHIN CLASS DL6.

THIS REPORT CONTAINS AN ANNOTATED PHOTOGRAPH AND AN ACCOMPANYING TABLE THAT DEPICT THE DETAILS OF SHIP CONSTRUCTION AND THE LOCATION OF THE VARIOUS VESSELS IN THE YARD. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES. A STANDARD IMAGERY TARGET DEFINITION (SITD) SHEET IS INCLUDED.

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S043192 CLASS 13 BCA-09/0020/70
 NOVOSIBIRSK AIRFRAME PLANT CHKALOV 153

25X1

THIS REPORT UPDATES THE REPORT LISTED BELOW WHICH SUBSTANTIALLY SATISFIES BASIC REPORTING REQUIREMENTS FOR THIS TARGET. CONSTRUCTION ACTIVITY SINCE THE DATE OF INFORMATION FOR THE REFERENCED REPORT, IS INCLUDED UNDER BASIC DESCRIPTION.

NPIC, NOVOSIBIRSK AIRFRAME PLANT CHKALOV 153,
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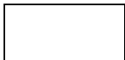
S043193 CLASS 13Y RDA-05/0005/70

5A 25X1

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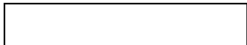
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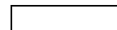
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TOP SECRET



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SHUANG-LIAO/CHENG-CHIA-TUN AIRFIELD

25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF SHUNG-LIAO/CHENG-CHIA-TUN AIRFIELD AND ASSOCIATED FACILITIES, LOCATED IN NORTHEAST COMMUNIST CHINA, FROM THE AIRFIELD IS A CHINESE COMMUNIST AIR FORCE LIGHT BOMBER AND FIGHTER BASE AND SUPPORTS F40G AND BEAGLE AIRCRAFT. NO MAJOR CONSTRUCTION HAS OCCURRED AT THE AIRFIELD, HOWEVER, IN FOUR VERTICAL POL STORAGE TANKS WERE EMPLACED AT TWO OF THE POL AREAS. THE MAJOR FUNCTIONAL ITEMS DESCRIBED IN THIS REPORT INCLUDE THE 8,200 X 265 FT CONCRETE RUNWAY, A PARALLEL TAXIWAY, ONFIELD PARKING FACILITIES, NAVIGATIONAL/LANDING/ELECTRONIC AIDS, POL STORAGE AREAS (APPROXIMATE CAPACITY 1,444,660 U.S. GALLONS), AN AIRCRAFT MAINTENANCE AREA, A HOUSING/SUPPORT AREA, A STORAGE/BARRACKS AREA, AN AMMUNITION STORAGE AREA, TRANSPORTATION FACILITIES, AND THE AIR ORDER OF BATTLE.

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THE STUDY IS PRESENTED IN TEXTUAL, TABULAR, AND GRAPHICAL FORM AND INCLUDES A LOCATION MAP, A LINE DRAWING, ANNOTATED PHOTOGRAPHS, A CHRONOLOGY, AND A REFERENCE DATA LIST.

S043194 CLASS 13Y RDA-10/0009/70
KUN-MING ARMY BARRACKS + AMMUNITION + SUPPLY DEPOT LL-1

25X1

THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF KUN-MING ARMY BARRACKS AND AMMUNITION AND SUPPLY DEPOT LL-1 FOR THE PERIOD THIS INSTALLATION IS 1.8 NAUTICAL MILES WEST OF TA-PAN-CHIAO AND 7.2 NAUTICAL MILES EAST OF KUN-MING, IN SOUTH-CENTRAL COMMUNIST CHINA. THE FACILITY ENCOMPASSES 210 ACRES AND HAS MAJOR FUNCTIONAL AREAS FOR BILLETING/SUPPORT, AMMUNITION STORAGE, AND GENERAL STORAGE. OF THE SITES 159 BUILDINGS, 2 ARE UNDER CONSTRUCTION, 55 ARE MAJOR STORAGE WITH 28 REVEYED, AND 47 ARE BARRACKS. SEVERAL DEFENSIVE FIELD ARTILLERY SITES ARE WITHIN THIS AREA, WHICH IS ACTIVE AND APPEARS TO HAVE A HIGH LEVEL OF OCCUPANCY. ANNOTATED PHOTOGRAPHS DELINEATE THE FUNCTIONAL COMPONENTS OF THE SITE. TABULAR DATA PROVIDE DIMENSIONAL INFORMATION KEYED TO THE PHOTOGRAPHY, AND A REFERENCE DATA LIST FURNISHES IMAGERY AND MAP SOURCES. ONE STANDARD IMAGERY TARGET DEFINITION (SITD) SHEET IS INCLUDED.

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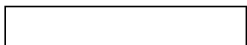
S043195 CLASS 13Y RDA-06/0009/70
URA GUBA SUBMARINE BASE

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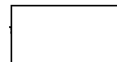
THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF URA GUBA

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TOP SECRET



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SUBMARINE BASE FROM [REDACTED] THE BASE IS SITUATED ON THE WEST SHORE OF GUBA URA, 15.5 NAUTICAL MILES WEST OF THE ENTRANCE TO KOLA INLET, AND 22.7 NM NNW OF MURMANSK, U.S.S.R. THE INSTALLATION FUNCTIONS AS A LOGISTIC SUPPORT AND OPERATING BASE FOR MEDIUM, CONVENTIONAL-TYPE TORPEDO-ATTACK SUBMARINES. IT ENCOMPASSES 285 ACRES WITH A BASIN COVERING 225 ADDITIONAL ACRES. FACILITIES INCLUDE 128 BUILDINGS (PRIMARYLY STORAGE AND BILLETING), 7 FLOATING PIERS, 2 L-HEAD PIERS, 1 T-HEAD PIER, 1 OPEN STORAGE AREA, AND 2 POL STORAGE SITES (WITH AN ESTIMATED TOTAL CAPACITY OF 2,463,300 U.S. GALLONS).

NAVAL ORDER OF BATTLE OBSERVED AT THE BASE CONSISTS MAINLY OF DIESEL-POWERED SUBMARINES, NO NUCLEAR-POWERED SUBMARINES HAVE BEEN OBSERVED. [REDACTED] A POSSIBLE [REDACTED]

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INCLUDED IN THIS REPORT ARE A LOCATION MAP, ANNOTATED PHOTOGRAPHS, AND THREE STANDARD IMAGERY TARGET DEFINITION (SITD) SHEETS. TABLES PROVIDE MENSURATION OF ALL BUILDINGS/STRUCTURES, AND A REFERENCE DATA LIST GIVES PHOTOGRAPHIC AND DOCUMENTARY SOURCES.

S043196 CLASS 13Y RDA-06/0002/70 [REDACTED] 25X1
KOSONG NAVAL BASE CHANGJON [REDACTED]

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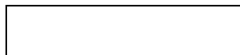
THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF KOSONG NAVAL BASE CHANGJON FROM [REDACTED] THE BASE IS LOCATED IN THE NORTHEASTERN PART OF THE CITY OF KOSONG, ON THE NORTHWEST SHORE OF CHANGJON MAN (HARBOR), ON THE EAST COAST OF NORTH KOREA. IT LIES 19 NAUTICAL MILES SOUTHEAST OF KOJO AND 11.5 NM NORTHEAST OF KUMGANG AND CONTAINS FACILITIES FOR THE LIMITED LOGISTICAL SUPPORT AND REPAIR OF PATROL CRAFT ATTACHED TO THE NORTH KOREAN EAST SEA FLEET. THE INSTALLATION OCCUPIES 50 ACRES AND CONTAINS 73 BUILDINGS AS FOLLOWS -- 3 PROBABLE ADMINISTRATION, 2 PROBABLE SHOPS, 3 STORAGE, 4 PROBABLE STORAGE, 21 BARRACKS, 12 QUARTERS, AND 28 SUPPORT. IT ALSO HAS ONE QUAY AND A MARINE RAILWAY. THIS REPORT INCLUDES TEXTUAL, TABULAR, AND GRAPHICAL DATA WHICH IDENTIFY AND DESCRIBE THE BASE AND ITS FUNCTIONAL AREAS.

S043197 CLASS 13Y RDA-10/0010/70 [REDACTED] 25X1
HENG-YANG AMMUNITION DEPOT ENE FEN-SHAI-A0 [REDACTED]

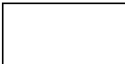
THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF HENG-YANG

7A 25X1

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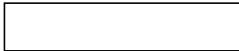
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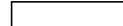
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AMMUNITION DEPOT ENE FEN-SHUI-AO FROM [REDACTED] THE
INSTALLATION IS 4 NAUTICAL MILES NORTH OF CHUAN-CHI AND 6 NM ENE OF
HENG-YANG, IN SOUTHEAST COMMUNIST CHINA. THE FACILITY ENCOMPASSES
485 ACRES AND CONSISTS OF TWO FUNCTIONAL AREAS (AMMUNITION STORAGE
AND BILLETING/SUPPORT). IT CONTAINS 61 BUILDINGS, OF WHICH THE MOST
IMPORTANT ARE 15 REVETTED AMMUNITION STORAGE, 9 STORAGE, AND 7 GUARD.
THE DEPOT ALSO INCLUDES 78 UNDERGROUND BUNKERS, 6 OBSERVATION POSTS,
AND 1 UNOCCUPIED FIELD ARTILLERY SITE. THE TARGET IS ACTIVE AND THE
LEVEL OF OCCUPANCY APPEARS HEAVY.

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ANNOTATED PHOTOGRAPHY DEPICTS THE FUNCTIONAL COMPONENTS OF THE
DEPOT. TABULAR DATA PROVIDE DIMENSIONAL INFORMATION KEYED TO THE
PHOTOGRAPHY, AND A REFERENCE DATA LIST FURNISHES IMAGERY AND
DOCUMENTARY SOURCES.

S043198 CLASS 13Y RDA-10/0005/70
NAJIN PORT FACILITIES [REDACTED]

25X1

THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF NAJIN PORT
FACILITIES, WHICH IS THE LARGEST PORT FACILITY BETWEEN THE U.S.S.R.
BORDER AND THE EAST COAST OF NORTH KOREA. IT IS LOCATED IN THE
EXTREME NORTHEAST PART OF NORTH KOREA, ON NAJIN MAN (BAY) IN THE SEA
OF JAPAN. THE PORT IS APPROXIMATELY 5,300 FEET LONG AND 2,170 FEET AT
ITS WIDEST POINT. IT HAS THREE LARGE PIERS AND ASSOCIATED QUAYS THAT
PROVIDE 8,990 LINEAR FEET OF BERTHING, AND CONTAINS APPROXIMATELY
15.3 ACRES OF GENERAL OPEN STORAGE, 44 BUILDINGS, AND A POL STORAGE
AREA WITH AN ESTIMATED CAPACITY OF 418,495 U.S. GALLONS.

THIS REPORT CONTAINS A MAP, AN ANNOTATED PHOTO, A LINE DRAWING, A
TABLE PROVIDING DIMENSIONAL DATA, AND A REFERENCE DATA LIST WITH
IMAGERY SOURCES.

S043199 CLASS 13Y RDA-05/0001/70
PIONERSKIY AIRFIELD [REDACTED]

25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED INTERPRETATION OF
PIONERSKIY AIRFIELD AND ITS ASSOCIATED FACILITIES FROM [REDACTED]
[REDACTED] IT IS SITUATED IN NORTHWEST ASIAN U.S.S.R., AND SERVES
AS A POSSIBLE RESERVE OR DEPLOYMENT BASE THAT SUPPORTS ONE SQUADRON
OF FIREBAR AIRCRAFT. INITIAL OBSERVATION IN [REDACTED] REVEALED A
12,150 X 950 FEET CLEARED STRIP WITH LIMITED FACILITIES. IN [REDACTED]
[REDACTED] AN EXTENSIVE CONSTRUCTION PROGRAM WAS BEGUN TO MODERNIZE THE
AIRFIELD TO ITS PRESENT STATUS. MAJOR FUNCTIONAL ITEMS DESCRIBED IN
THIS REPORT INCLUDE THE 8,225 X 140 FEET CONCRETE RUNWAY, TAXIWAYS,

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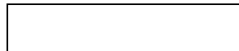
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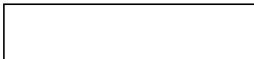
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PARKING FACILITIES, POL STORAGE FACILITIES WITH AN APPROXIMATE CAPACITY OF 268,630 U.S. GALLONS, A REFUELING APRON (WITH AN 8-POSITION, SURFACE-MOUNTED, CENTRALIZED DISTRIBUTION SYSTEM), AN AIR-TO-AIR MISSILE (AAM) SUPPORT FACILITY, A MAIN SUPPORT AREA, AN OPERATIONS AREA, AN AIRCRAFT MAINTENANCE AREA, NAVIGATIONAL/LANDING/ELECTRONICS AIDS, AND A POSSIBLE AMMUNITION STORAGE AREA. THE INFORMATION IS PRESENTED IN TEXTUAL, TABULAR, AND GRAPHICAL FORM AND INCLUDES A LOCATION MAP, TWO LINE DRAWINGS, NINE ANNOTATED PHOTOGRAPHS, A CHRONOLOGY, AND A REFERENCE DATA LIST.

25X1

S043200 CLASS 24A BCA-03/0002/70
SARY SHAGAN RESEARCH & DEVELOPMENT RADAR FACILITY 1

THIS BRIEF HAS BEEN PREPARED IN ACCORDANCE WITH NPIC RESPONSIBILITY FOR THIRD-PHASE EXPLOITATION UNDER THE NATIONAL TASKING PLAN TO UPDATE EXISTING BASIC REPORTS. SINCE THE DATE OF THE LATEST PHOTOGRAPHY USED IN THE EXISTING REPORT, THERE HAVE BEEN FOUR SMALL-SCALE AND FOUR LARGE-SCALE MISSIONS. THIS PHOTOGRAPHY REVEALS NO SIGNIFICANT CHANGES OR NEW MAJOR CONSTRUCTION. THE REPORT LISTED BELOW IS DESIGNATED THE BASIC REPORT FOR THIS TARGET.

25X1

25X1

NPIC. SARY-SHAGAN RESEARCH AND DEVELOPMENT RADAR FACILITY 1, FEB 69 (TOP SECRET)

25X1

S043202 CLASS 24 BCA-09/0021/70
SOLIKAMSK POWDER + SOLID MOTOR PLANT BOROVS

25X1

THE REPORT LISTED BELOW SUBSTANTIALLY SATISFIES EXISTING BASIC REPORTING REQUIREMENTS FOR THIS TARGET. MINOR CHANGES ARE INCLUDED UNDER BASIC DESCRIPTION.

NPIC. SOLIKAMSK POWDER AND SOLID MOTOR PLANT BOROVS, JAN 69 (TOP SECRET)

25X1

S043205 CLASS 13Y RDA-10/0004/70
KILCHU RAILROAD STATION CLASSIFICATION YARD + SHOPS

25X1

THIS REPORT IS A PHOTO-DERIVED ANALYSIS OF KILCHU RAILROAD STATION CLASSIFICATION YARD AND SHOPS NEAR THE NORTHEAST COAST OF NORTH KOREA. THE YARD IS APPROXIMATELY 2,800 FT X 650 FT WITH A TOTAL OF 16 TRACKS AND A STANDING CAPACITY OF 125 CARS. THE YARD IS CAPABLE OF SERVING ELECTRIC, STEAM, OR DIESEL LOCOMOTIVES. THE PREDOMINANT FUNCTIONS ARE PASSENGER/FREIGHT STATION AND RECEIVING/HOLDING/

9A 25X1

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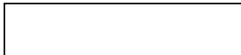
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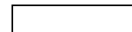
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FORWARDING IN SUPPORT OF SURROUNDING INDUSTRY. INCLUDED IN THIS REPORT ARE A MAP, A PHOTOGRAPH, AND A LINE DRAWING. A REFERENCE DATA LIST FURNISHES MAP IMAGERY SOURCES.

S043206 CLASS 13Y RDA-07/0008/70 KUN-MING ARMY BARRACKS SOUTHEAST AL-1

25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF KUN-MING ARMY BARRACKS SOUTHEAST AL-1, LOCATED IN YUN-NAN PROVINCE OF THE KUN-MING MILITARY REGION IN COMMUNIST CHINA. THE INSTALLATION MEASURES 5,500 FEET ON THE LONGEST SIDE, ENCOMPASSES 100 ACRES, AND CONTAINS 226 BUILDINGS OF THE FOLLOWING MAJOR TYPES -- ADMINISTRATION/BILLETING, GENERAL AND AMMUNITION STORAGE, VEHICLE STORAGE/MAINTENANCE, AND SUPPORT. OTHER FACILITIES INCLUDE A DRIVER TRAINING AREA, A WATER TOWER, A MAINTENANCE RACK, AN ATHLETIC FIELD, 2 SWIMMING POOLS, AND 11 BASKETBALL COURTS. ANNOTATED PHOTOGRAPHY DEPICTS THE FUNCTIONAL COMPONENTS AND ASSOCIATED FACILITIES OF THE POST. TABULAR DATA IDENTIFY AND PROVIDE THE MENSURATION OF INDIVIDUAL STRUCTURES. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES. A STANDARD IMAGERY TARGET DEFINITION (SITD) SHEET IS INCLUDED.

S043207 CLASS 13Y RDA-05/0002/70 TAN-TUNG AIRFIELD

25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF TAN-TUNG AIRFIELD AND ITS ASSOCIATED FACILITIES FOR THE PERIOD [REDACTED] CHINA. IS A MAJOR AIR FORCE FIGHTER BASE AND SERVES AS A FIGHTER DIVISION HEADQUARTERS. THE [REDACTED] PHOTOGRAPHY REVEALED 2 FAGOT/FRESCO (WITHOUT WINGS) AND 18 FAGOT AIRCRAFT. SINCE THE AIRFIELD WAS FIRST OBSERVED ON [REDACTED] PHOTOGRAPHY, ONE MAJOR CONSTRUCTION DEVELOPMENT HAS OCCURRED -- [REDACTED] THREE AIRCRAFT DISPERSAL AREAS WERE CONSTRUCTED; ONE WAS 5,800 FEET WSW OF THE AIRFIELD; ANOTHER 1.3 NAUTICAL MILES TO THE NNW, AND THE THIRD 1.5 NM TO THE WSW. MAJOR FUNCTIONAL ITEMS DESCRIBED IN THIS REPORT INCLUDE A 6,580 FT X 195 FT CONCRETE RUNWAY, A PART-PARALLEL CONCRETE DISPERSAL TAXIWAY WITH A CONNECTED CONCRETE DISPERSAL TAXIWAY, PARKING FACILITIES, NAVIGATIONAL/LANDING/ELECTRONIC AIDS, A POL STORAGE AREA, MISCELLANEOUS POL STORAGE (TOTAL ESTIMATED CAPACITY OF 1,499,020 U.S. GALLONS), A MAINTENANCE FACILITY, A BARRACKS/MAINTENANCE/SUPPORT AREA, A BARRACKS/ADMINISTRATION/SUPPORT FACILITY, AN AMMUNITION

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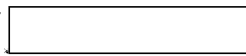
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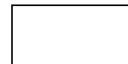
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TOP SECRET

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STORAGE AREA, TRANSPORTATION FACILITIES, AND AIR ORDER OF BATTLE. PRESENTED IN TEXTUAL, TABULAR, AND GRAPHICAL FORM, THIS REPORT INCLUDES A LOCATION MAP, A LINE DRAWING, SEVEN ANNOTATED PHOTOGRAPHS, A CHRONOLOGY, AND A REFERENCE DATA LIST.

S043208 CLASS 13Y RDA-07/0013/70 ALAKURTTI ARMY BARRACKS OSORNAYA AL-4 25X1

THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF ALAKURTTI ARMY BARRACKS OSORNAYA AL-4, WHICH IS LOCATED IN THE LENINGRAD MILITARY DISTRICT OF THE U.S.S.R. THE INSTALLATION IS ACTIVE, PARTIALLY SECURED, AND ENCOMPASSES 50 ACRES. IT CONTAINS 84 BUILDINGS, INCLUDING BARRACKS, QUARTERS, ADMINISTRATION, VEHICLE STORAGE, VEHICLE MAINTENANCE, GENERAL STORAGE, AND SUPPORT. TRAINING FACILITIES WITHIN THIS FACILITY CONSIST OF AN EXERCISE FIELD AND A SMALL ARMS RANGE. CARGO TRUCKS WERE THE ONLY VEHICLES PRESENT ON

25X1

ANNOTATED PHOTOGRAPHY DEPICTS THE FUNCTIONAL COMPONENTS OF THE BASE. A TABLE KEYED TO THE IMAGERY IDENTIFIES INDIVIDUAL STRUCTURES AND PROVIDES THE DIMENSIONS AND CHARACTERISTICS OF EACH ITEM. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES. A STANDARD IMAGERY TARGET DEFINITION SHEET IS INCLUDED.

S043209 CLASS 13Y RDA-07/0021/70 MENG-TZU ARMY BARRACKS SOUTH AL-1 25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF MENG-TZU ARMY BARRACKS SOUTH AL-1 IN THE KUN-MING MILITARY REGION OF COMMUNIST CHINA. THE INSTALLATION ENCOMPASSES 65 ACRES AND CONTAINS 158 BUILDINGS FOR ADMINISTRATION/BILLETING, VEHICLE STORAGE/MAINTENANCE, AND GENERAL STORAGE. ASSOCIATED FACILITIES INCLUDE A PARADE/EXERCISE FIELD, TWO VEHICLE MAINTENANCE RACKS, AND NINE BASKETBALL COURTS.

ANNOTATED PHOTOGRAPHY DEPICTS THE FUNCTIONAL COMPONENTS OF THE INSTALLATION AND ASSOCIATED FACILITIES. TABULAR DATA IDENTIFY AND PROVIDE MENSURATION OF INDIVIDUAL STRUCTURES. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES. A STANDARD IMAGERY TARGET DEFINITION (SITD) SHEET IS INCLUDED.

S043210 CLASS 13Y RDA-11/0015/70 NIKOLAYEV SHIPYARD NOSENKO 444 25X1

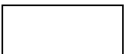
THIS IS A DETAILED PHOTO-DERIVED ACTIVITY REPORT ON NIKOLAYEV

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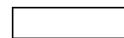
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SHIPYARD NOSENKO 444, IN THE U.S.S.R., COVERING THE PERIOD [REDACTED] DURING THE REPORTING PERIOD WERE THE LAUNCHINGS OF A PROBABLE NEW AUXILIARY VESSEL, A LAMA CLASS AEM, A MAYAKOVSKIY CLASS TRAWLER, AND AN UNIDENTIFIED VESSEL [REDACTED] LENGTH OVERALL (LOA) WITH A 45-FOOT BEAM.

25X1

25X1

THIS REPORT CONTAINS AN ANNOTATED PHOTOGRAPH AND AN ACCOMPANYING TABLE, WHICH DEPICT THE DETAILS OF SHIP CONSTRUCTION, FITTING OUT, REPAIR, CONVERSION, AND MODIFICATION, THE LOCATION OF VARIOUS VESSELS IN THE YARD, AND NEW BUILDING CONSTRUCTION. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES. A STANDARD IMAGERY TARGET DEFINITION (SITD) SHEET IS INCLUDED.

S043255 CLASS 07 102/69
EXPLORATORY LABORATORY REPORT

MATTE PARTICLES ARE PHOTOGRAPHIC EMULSION ADDITIVES THAT ALLEVIATE THE PROBLEM OF FERROTYPING, THAT IS, THE STICKING TOGETHER OF CONSECUTIVE WRAPS OF FILM ON REELS. THESE PARTICLES, VARYING IN SIZE FROM ONE TO NINE MICRONS, ARE VISIBLE UNDER HIGH MAGNIFICATION AND MAY DEGRADE IMAGERY. AN INVESTIGATION OF MATTE PARTICLES AND THEIR RELATION TO OTHER PHYSICAL CHARACTERISTICS OF RECONNAISSANCE FILMS WAS CONDUCTED BY CONSULTING REFERENCES AND MANUFACTURERS REPRESENTATIVES.

25X1

S043256 CLASS 13Y [REDACTED]
PROBABLE ARMORED DIVISION CHIHSHEN AREA BE VARIOUS

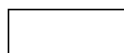
THIS REPORT IS AN ANALYSIS OF A PROBABLE ARMORED DIVISION IN THE PEKING MILITARY REGION. THE DIVISION IS COMPRISED OF FIVE MAJOR AREAS, EACH CONSISTING OF REGIMENTAL AND BATTALION SIZE UNITS. A TOTAL OF 30 INDIVIDUAL INSTALLATIONS ARE REPORTED, INCLUDING AN ARMORED MAINTENANCE FACILITY, AN AMMUNITION STORAGE FACILITY, AND NUMEROUS SUPPORT UNITS. THIS REPORT CONSISTS OF A PHOTO MOSAIC, FOUR PHOTOS WHICH DEPICT SIGNIFICANT ELEMENTS OF THE PROBABLE DIVISION, AND A LOCATION MAP.

S043257-S043260 CLASS 13Y RCS-13/0022/70
MAJOR ELECTRIC POWER FACILITIES INNER MONGOLIA, CHINA BE VARIOUS

25X1

THIS REPORT, BASED ON [REDACTED] PHOTOGRAPHY, UPDATES THE PREVIOUS BASIC IMAGERY INTERPRETATION BRIEFS ON THE FOUR MAJOR THERMAL ELECTRIC

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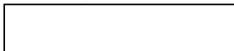


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TOP SECRET



25X1

POWER PLANTS IN THE INNER MONGOLIAN AUTONOMOUS REGION OF NORTHERN CHINA. THE CUTOFF DATE FOR INFORMATION IN THIS REPORT IS [REDACTED] 25X1

25X1 [REDACTED] NO CONSTRUCTION OR DISMANTLING HAS BEEN OBSERVED AT ANY OF THE PLANTS SINCE THE LATEST INFORMATION IN THE PREVIOUS REPORTS. THREE OF THE PLANTS, AT PAO-TOU, APPEARED TO BE OPERATING ON THE LATEST PHOTOGRAPHY. THE FOURTH, AT TIEN-TSUNG-TA-WAN, WAS OPERATING IN [REDACTED] 25X1
25X1 [REDACTED] BUT IT DID NOT APPEAR TO BE IN OPERATION IN [REDACTED] 25X1

25X1

S043261 CLASS 14Z RCS-13/0013/70
NAMPO COPPER + ZINC PLANT [REDACTED] 25X1

A DETAILED PHOTOGRAPHIC ANALYSIS OF THE NAMPO COPPER AND ZINC PLANT IN NORTH KOREA SHOWS THAT THE PLANT HAS FACILITIES FOR THE SMELTING OF COPPER ORE, THE ELECTROLYTIC PRODUCTION OF ZINC AND REFINING OF COPPER, THE RECOVERY OF PRECIOUS METALS, AND THE PRODUCTION OF SULFURIC ACID AS A BY-PRODUCT. IT ALSO CONTAINS A LARGE NONFERROUS METALS FABRICATION FACILITY WITH THREE ROLLING MILLS. 25X1

THE PLANT WAS IN OPERATION IN [REDACTED] WHEN IT WAS FIRST COVERED ON OVERHEAD PHOTOGRAPHY. TWO PHASES OF MAJOR EXPANSION OF FACILITIES HAVE BEEN NOTED ON PHOTOGRAPHY -- THE THIRD ROLLING MILL WAS CONSTRUCTED BETWEEN [REDACTED] AND THE ZINC PRODUCTION FACILITY WAS EXPANDED [REDACTED] THIS EXPANSION GREATLY INCREASED THE CAPACITY AT BOTH FACILITIES. ALL MAJOR PRODUCTION FACILITIES AT THE PLANT APPEARED TO BE IN OPERATION ON ALL PHOTOGRAPHY FROM [REDACTED] 25X1

25X1

25X1 [REDACTED] THIS REPORT INCLUDES A PHOTOGRAPH AND A DETAILED LINE DRAWING OF THE PLANT, AND A CHRONOLOGICAL SUMMARY OF CONSTRUCTION AND OPERATIONAL STATUS.

S043262 CLASS 13Y RCS-13/0010/70
HUNGNAM NONFERROUS METALS PLANT [REDACTED] 25X1

A DETAILED ANALYSIS OF THE HUNGNAM NONFERROUS METALS PLANT IN NORTH KOREA ON HIGH-RESOLUTION PHOTOGRAPHY SHOWS THAT THE PRIMARY PRODUCTS OF THE PLANT ARE REFINED NONFERROUS METALS, PROBABLY COPPER, LEAD, AND NICKEL. SECONDARY PRODUCTS INCLUDE REFINED PRECIOUS METALS SUCH AS GOLD AND SILVER WHICH ARE RECOVERED AS BY-PRODUCTS FROM THE ELECTROLYTE SOLUTION USED IN THE REFINING PROCESSES.

25X1 THIS REPORT COVERS THE PERIOD FROM [REDACTED] 25X1
IN [REDACTED] THE PLANT CONTAINED TWO ELECTROLYTIC CELL BUILDINGS AND A PRECIOUS METALS RECOVERY UNIT WHICH WERE PROBABLY OPERATIONAL.

25X1

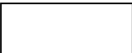
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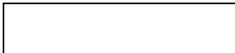
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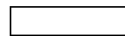
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IN ADDITION, AN ORE SMELTING FACILITY WAS PRESENT, BUT THE FIRST EVIDENCE OF ITS OPERATION WAS IN [REDACTED] WHEN SMOKE EMISSIONS WERE OBSERVED. BY [REDACTED] A THIRD ELECTROLYTIC CELL BUILDING WAS PRESENT AND WAS PROBABLY OPERATIONAL, BETWEEN [REDACTED] AND [REDACTED] A SECOND PRECIOUS METALS RECOVERY UNIT WAS CONSTRUCTED AND COAL HANDLING FACILITIES FOR THE STEAMPLANT WERE ADDED. BETWEEN [REDACTED] AND [REDACTED] THE SMELTER WAS EXPANDED. ADDITIONAL SUPPORT FACILITIES WERE ALSO CONSTRUCTED DURING THE REPORTING PERIOD. THIS REPORT INCLUDES A PHOTOGRAPH AND DETAILED LINE DRAWING OF THE PLANT AND A CHRONOLOGICAL SUMMARY OF CONSTRUCTION AND OPERATIONAL STATUS.

S043263 CLASS 13Y RCS-13/0011/70 MUNCHON NONFERROUS METALS PLANT [REDACTED] 25X1

ANALYSIS OF THE MUNCHON NONFERROUS METALS PLANT IN NORTH KOREA ON HIGH-RESOLUTION PHOTOGRAPHY REVEALS THAT THE PRIMARY PRODUCTS OF THE PLANT ARE REFINED ZINC, REFINED LEAD, AND LEAD BULLION. SECONDARY PRODUCTS ARE ZINC OXIDE, SULFURIC ACID, AND PRECIOUS METALS SUCH AS GOLD AND SILVER.

25X1

25X1

25X1

THIS STUDY COVERS THE PERIOD FROM [REDACTED] IN [REDACTED] THE PLANT CONTAINED FACILITIES FOR THE PRODUCTION OF REFINED ZINC, REFINED LEAD, LEAD BULLION, SULFURIC ACID, AND PRECIOUS METALS. BY [REDACTED] AN ADDITIONAL SULFURIC ACID FACILITY, A ZINC OXIDE FACILITY, AND NUMEROUS SUPPORT FACILITIES HAD BEEN ADDED. BETWEEN [REDACTED] A THIRD SULFURIC ACID FACILITY WAS ADDED. EXPANSION OF THE ZINC PRODUCTION AREA HAS CONTINUED AT A STEADY PACE SINCE [REDACTED] AND CONSTRUCTION ACTIVITY WAS STILL OBSERVED IN [REDACTED] THE PRODUCTION FACILITIES WERE OBSERVED IN OPERATION ON ALL OF THE PHOTOGRAPHY UTILIZED.

25X1

THIS REPORT INCLUDES A PHOTOGRAPH AND A DETAILED LINE DRAWING OF THE PLANT, AND A CHRONOLOGICAL SUMMARY OF CONSTRUCTION AND OPERATIONAL STATUS.

S043264 CLASS 14Z BDA-10/0006/70 SHANGHAI PORT FACILITIES SOUTH NAN-SHIH [REDACTED] 25X1

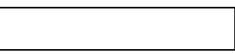
THIS REPORT HAS BEEN PREPARED IN ACCORDANCE WITH DIA RESPONSIBILITY FOR THIRD-PHASE IMAGERY EXPLOITATION UNDER THE NATIONAL TASKING PLAN TO UPDATE EXISTING REPORTS. 548RT6, TTI NO. M0492-00115/T, SHANGHAI PORT FACILITIES SOUTH NAN-SHIH CH, JULY 1969 [REDACTED] IS DESIGNATED THE BASIC REPORT FOR THIS FACILITY. ALL

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TOP SECRET



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TOP SECRET



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PERTINENT IMAGERY AVAILABLE TO THIS AGENCY ON THE REPORTING CUTOFF PERIOD OF [REDACTED] HAS BEEN UTILIZED.

S043265 CLASS 13Y RDA-10/0116/69 [REDACTED] 25X1
TSE-TANG ARMY BARRACKS + STORAGE DEPOT

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF TSE-TANG ARMY BARRACKS AND STORAGE DEPOT. THE DEPOT IS WIDELY DISPERSED AROUND TSE-TANG, IN SOUTHEASTERN TIBET, AND COVERS A TOTAL OF 307 ACRES. NINETY-SIX STORAGE BUILDINGS PROVIDE 304,440 SQUARE FEET OF STORAGE SPACE AND 67 BARRACKS AND QUARTERS PROVIDE [REDACTED] FEET OF BILLETING SPACE. SINCE [REDACTED] THERE HAVE BEEN 145 BUILDINGS CONSTRUCTED IN THE DEPOT.

25X1

25X1

INCLUDED IN THIS REPORT ARE A MAP, THREE ANNOTATED PHOTOGRAPHS, THREE LINE DRAWINGS, AND A FUNCTIONAL TABLE WITH DIMENSIONS. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES.

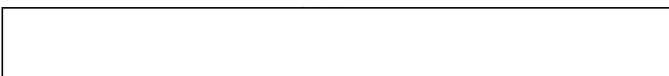
S043266 CLASS 13Y RDA-11/0028/69 [REDACTED] 25X1
NOVOSIBIRSK STEEL FABRICATING + MUNITIONS COMBINE

THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF NOVOSIBIRSK STEEL FABRICATING AND MUNITIONS COMBINE, U.S.S.R. THE COMBINE MANUFACTURES A WIDE VARIETY OF PRODUCTS INCLUDING MEDIUM AND HIGH CARBON SHEET, STRUCTURAL, AND TOOL STEELS, FORGED AND WROUGHT STEEL PRODUCTS, LIGHT STRUCTURAL STEEL FOR BUILDINGS AND BRIDGES, ENGINE PARTS FOR TANKS AND TRACTORS, ARTILLERY AND SMALL ARMS AMMUNITION, TANK AND MACHINE GUNS, AND SMALL ARMS, AND TRACTOR ATTACHMENTS SUCH AS CULTIVATORS, SEEDERS, PLOWS, AND GRADERS.

THE COMBINE CONSISTS OF FOUR DISTINCT BUT DIRECTLY ASSOCIATED FACILITIES -- A STEEL FABRICATING AND MUNITIONS PRODUCTION PLANT, AND AMMUNITION LOADING PLANT, A THERMAL POWERPLANT, AND A STEEL FABRICATION AND PROCESSING PLANT. THERE ARE 23 PRODUCTION/FABRICATION STRUCTURES WITH A TOTAL ROOF COVERAGE OF [REDACTED]

25X1

ANNOTATED LINE DRAWINGS DEPICT THE FUNCTIONAL COMPONENTS OF THE COMBINE AND THEIR INTERRELATIONSHIP. TABULAR DATA KEYED TO THE LINE DRAWINGS IDENTIFY INDIVIDUAL FEATURES AND PROVIDE THE MENSURATION OF EACH ITEM. A REFERENCE DATA LIST PROVIDES IMAGERY AND DOCUMENTARY SOURCES.



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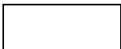
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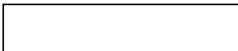
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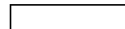
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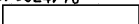


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S043268 CLASS 24V RCA-09/0024/70
LUKHOVITSY AIRFRAME PLANT



25X1

LUKHOVITSY AIRFRAME PLANT IS CURRENTLY UNDERGOING A MAJOR CONSTRUCTION PROGRAM WHICH WILL DOUBLE THE PRODUCTION SPACE. WHEN THE CURRENT CONSTRUCTION IS COMPLETE, THE PLANT WILL CONTAIN APPROXIMATELY 123,000 SQUARE METERS (1,160,000 SQUARE FEET) OF FLOOR-SPACE. ALTHOUGH THE EXPANSION OF THE PLANT INDICATES AN INCREASED ROLE IN THE PRODUCTION OF AIRCRAFT, THE LACK OF MACHINE SHOPS, HEAT TREATMENT FACILITIES, AND OTHER SUPPORT ELEMENTS INDICATE THAT THE PLANT WILL PROBABLY CONTINUE TO FUNCTION AS AN ASSEMBLY PLANT RATHER THAN AS A FULLY OPERATIONAL AIRFRAME PLANT.

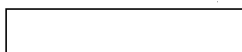
THIS REPORT PROVIDES A DESCRIPTION OF THE PLANT INCLUDING PRODUCTION ACTIVITY AND HIGHLIGHTS OF NEW PLANT CONSTRUCTION, A LINE DRAWING OF THE PLANT AREA, AND A TABLE CONTAINING THE FUNCTION, DIMENSIONS, AND CONSTRUCTION CHRONOLOGY OF ALL STRUCTURES AT THE PLANT.

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TOP SECRET



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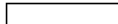
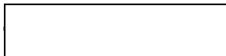
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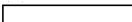
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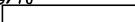
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S043328 CLASS 13Y RDA-07/0025/70
CHIU-WENG-YUAN ARMY BARRACKS SOUTHWEST AL-2  25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF CHIU-WENG-YUAN ARMY BARRACKS SOUTHWEST AL-2, LOCATED IN THE CANTON MILITARY REGION OF SOUTHEAST COMMUNIST CHINA. THIS INSTALLATION WAS DESIGNED TO ACCOMMODATE AN INFANTRY REGIMENT.

THE CAMP ENCOMPASSES 850 ACRES AND CONTAINS 271 BUILDINGS FOR ADMINISTRATION/BILLETING AND STORAGE. TRAINING/EXERCISE FACILITIES CONSIST OF TRENCHWORKS, A SMALL ARMS FIRING RANGE, AND 23 BASKETBALL COURTS. THE PRESENCE OF VEHICLES AND THE WELL-KEPT APPEARANCE INDICATE THAT THE POST IS ACTIVE, HOWEVER, AN OCCUPANCY LEVEL CANNOT BE DETERMINED FROM AVAILABLE IMAGERY.

ANNOTATED PHOTOGRAPHY DELINEATES THE INTERRELATIONSHIP OF THE FUNCTIONAL AREAS AND ASSOCIATED FACILITIES. TABULAR DATA PROVIDE MENSURATION OF ALL STRUCTURES. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES. A STANDARD IMAGERY TARGET DEFINITION (SITD) IS INCLUDED.

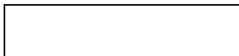
S043331 CLASS 24A RCA-03/0029/70
PLESETSK ESV TRACKING FACILITY  25X1

THE PLESETSK EARTH SATELLITE VEHICLE (ESV) TRACKING FACILITY IS ONE OF 12 FACILITIES WHICH COMPRISE THE SOVIET MAJOR TRACKING AND

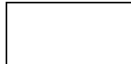
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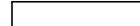
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TELEMETRY NETWORK AND ONE OF TEN FACILITIES WITHIN THIS NETWORK WHICH HAS FLIM FLAM EQUIPMENT. IT CONTAINS TRACKING, TELEMETRY, AND COMMUNICATIONS EQUIPMENT AND PROVIDES COMMAND AND CONTROL FOR THE SOVIET NEAR SPACE PROGRAM.

THIS FACILITY ALSO SERVES AS A COMPONENT OF A NETWORK OF SEVEN INTERCEPTED AND CONFIRMED SHIP WHEEL SIGNALS WHICH WERE INTERROGATING MISSILE AND SATELLITE LAUNCHES FROM THE PLESETSK MISSILE AND SPACE CENTER.

THIS REPORT INCLUDES A LOCATION MAP, PHOTOGRAPHY, LINE DRAWINGS, AND MENSURATION OF TRACKING, TELEMETRY, COMMUNICATIONS, AND SUPPORT EQUIPMENT.

S043332 CLASS 25E RCA-03/0036/70
SARY SHAGAN ANTISATELLITE/SPACE TRACKING RADAR

25X1

THE SARY-SHAGAN ANTISATELLITE/SPACE TRACKING (ASAT/ST) RADAR FACILITY CONSISTS OF FOUR IN-LINE AND ONE SHARPLY BOWED DUAL HEN HOUSE RADARS. HEN HOUSE RADARS A,B,C, AND D HAVE BEEN PREVIOUSLY REPORTED AS EXTERNALLY COMPLETE. CONSTRUCTION AT THE FACILITY IS CENTERED PRIMARILY ON DUAL HEN HOUSE RADAR E, WHICH HAS BEEN UNDER CONSTRUCTION SINCE [REDACTED] PRESENTLY, THE STRUCTURAL FRAMEWORK FOR THE CONTROL BUILDING IS NEARLY COMPLETE, AND CONSTRUCTION OF THE WINGS OF THE CONTROL BUILDING AND THE FOUNDATIONS OF THE ANTENNA BUILDINGS IS IN PROGRESS.

25X1

THIS REPORT DESCRIBES DEVELOPMENTS AT THE FACILITY SINCE THE PREVIOUS REPORT WHICH WAS PUBLISHED IN [REDACTED] AND WHICH SUBSTANTIALLY SATISFIES EXISTING BASIC REPORTING REQUIREMENTS FOR THIS FACILITY. THIS REPORT CONTAINS A MAP SHOWING BORESIGHT AZIMUTHS OF SOVIET PHASED ARRAY ASAT/ST RADARS AND PHOTOGRAPHS OF THE FACILITY WITH MENSURAL DATA. THE INFORMATION IN THIS REPORT IS CURRENT THROUGH [REDACTED] PHOTOGRAPHY OF [REDACTED]

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S043350 CLASS 13Y RRG-23/0001/70
H-3 SSBN ODF 67-0770

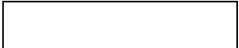
THIS REPORT PROVIDES AN IMAGERY-DERIVED ANALYSIS OF THE H-III SSBN. THE PHOTOGRAPHY ANALYZED DATES FROM THE SPRING OF [REDACTED] WHEN CONVERSION WORK ON THE BASIC H-I HULL WAS INITIATED, THROUGH SOME OF ITS FITTING OUT STAGES, AS LAST IMAGED IN [REDACTED]. THIS REPORT IS BASED ON ALL AVAILABLE PHOTOGRAPHY. IT INCLUDES A LINE DRAWING, PHOTOGRAPHS OF THE UNIT AT SEVERODVINSK NAVAL SHIPYARD 402 WHERE THE VESSEL WAS CONVERTED, MENSURATION OF SIGNIFICANT FEATURES, AND A

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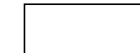
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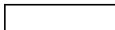
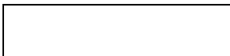


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CHRONOLOGY OF THE UNIT.

ANALYSIS INDICATES -- THE H-III IS A MODIFIED AND LENGTHENED H-I CLASS SSBN, POSSIBLY FORMER PENDANT NUMBER 304, IT HAS SIX MISSILE TUBES MOUNTED WITHIN THE SAIL WHICH HAS BEEN LENGTHENED ALONG WITH THE HULL BY 45 FEET (THEREBY, INCREASING THE OVERALL LENGTHS OF THE SAIL TO [REDACTED] AND THE HULL TO 425 FEET, RESPECTIVELY). THE LENGTH-TO-BEAM RATIO IS 14.2 TO 1. THE H-III SSBN HAS THE LARGEST SAIL OF ANY SUBMARINE IN THE WORLD. THE INFORMATION CUT OFF DATE FOR THIS REPORT WAS [REDACTED]

S043352 CLASS 13Y RDA-07/0020/70 [REDACTED] 25X1
KENG-MA ARMY BARRACKS WEST AL-1 [REDACTED]

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF KENG-MA ARMY BARRACKS WEST AL-1, SITUATED IN THE KUN-MING MILITARY REGION OF COMMUNIST CHINA. THE INSTALLATION ENCOMPASSES FOUR AREAS TOTALING 85 ACRES AND CONTAINS 265 BUILDINGS FOR ADMINISTRATION/BILLETING, GENERAL STORAGE, AMMUNITION STORAGE, VEHICLE STORAGE, AND SUPPORT. THE WELL-KEPT APPEARANCE OF THE BUILDINGS AND GROUNDS INDICATES THE FACILITY IS ACTIVE.

ANNOTATED PHOTOGRAPHY DEPICTS THE FUNCTIONAL COMPONENTS OF THE SITE, AND TABULAR DATA PROVIDE THE MENSURATION AND CHARACTERISTICS OF ALL STRUCTURES. A REFERENCE DATA LIST FURNISHES PHOTOGRAPHIC AND DOCUMENTARY SOURCES.

S043353 CLASS 14Z RDA-07/0019/70 [REDACTED] 25X1
CHUUL-TONG ARMY BARRACKS + HEADQUARTERS 50TH INFANTRY REGIMENT [REDACTED]

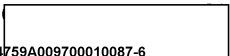
THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF CHUUL-TONG ARMY BARRACKS AND HEADQUARTERS 50TH INFANTRY REGIMENT, LOCATED IN KAESONG-CHIGU PROVINCE OF SOUTH-CENTRAL NORTH KOREA. THIS DISPERSED FACILITY CONSISTS OF SIX SEPARATE AREAS THAT ENCOMPASS A TOTAL OF 160 ACRES AND CONTAIN 88 BUILDINGS--PRIMARILY ADMINISTRATION AND BILLETING. TRACKAGE AND THE WELL-KEPT APPEARANCE OF THE INSTALLATION INDICATE THAT IT IS ACTIVE, BUT AN OCCUPANCY LEVEL CANNOT BE DETERMINED FROM AVAILABLE IMAGERY.

ANNOTATED PHOTOGRAPHY DELINEATES THE INTERRELATIONSHIP OF THE FUNCTIONAL AREAS AND ASSOCIATED FACILITIES. TABULAR DATA PROVIDE MENSURATION OF ALL STRUCTURES. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES.

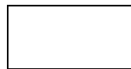
S043354 CLASS 13Y RDA-11/0018/70 [REDACTED]

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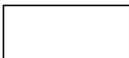
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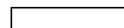
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LENINGRAD SHIPYARD ADMIRALTY 194

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THIS IS A DETAILED, PHOTO-DERIVED ANALYSIS OF ACTIVITIES AT LENINGRAD SHIPYARD ADMIRALTY 194, U.S.S.R., FROM THERE HAS BEEN VERY LITTLE ACTIVITY AT THIS INSTALLATION DURING THE REPORTING PERIOD, THE MOST SIGNIFICANT EVENT WAS THE DEPARTURE OF THE PREVIOUSLY REPORTED 220-FOOT UNIDENTIFIED SUBMERSIBLE. THERE IS NO EVIDENCE OF ANY LAUNCHINGS, AND CONSTRUCTION CONTINUES ON TWO FLOATING DRYDOCKS AND A POSSIBLE AGLB (SMALL ICEBREAKER). NO PROGRESS HAS BEEN MADE ON THE PREVIOUSLY REPORTED NEW BUILDING UNDER CONSTRUCTION.

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THIS REPORT INCLUDES AN ANNOTATED PHOTOGRAPH AND AN ACCOMPANYING TABLE THAT DEPICT THE DETAILS OF SHIP CONSTRUCTION AND THE LOCATION OF VARIOUS VESSELS IN THE YARD. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES.

S043360 CLASS 14X RCA-09/0010/70
HERZLIYA EXPLOSIVES + SOLID PROPELLANT PLANT NOFYAM

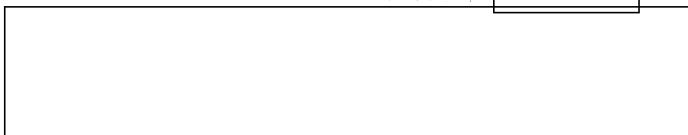
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THE HERZLIYA EXPLOSIVES AND SOLID PROPELLANT PLANT NOFYAM IS BASICALLY A PRODUCER OF SINGLE-BASE PROPELLANTS WITH AN ADDITIONAL CAPABILITY TO PRODUCE TNT. THE PLANT INCLUDES A NITROCELLULOSE SECTION, A POSSIBLE SINGLE-BASE SMOKELESS POWER PRODUCTION AREA, AND A PROBABLE TNT PRODUCTION AREA. THIS PLANT APPARENTLY DOES NOT HAVE THE FACILITIES NECESSARY TO PRODUCE DOUBLE-BASE PROPELLANTS, HOWEVER, ANOTHER NEARBY PLANT, HERZLIYA AMMUNITION AND EXPLOSIVES PLANT RAMAT HASHARON, DOES HAVE THE NECESSARY FACILITIES TO PRODUCE DOUBLE-BASE PROPELLANTS.

THIS REPORT PRESENTS A COMPREHENSIVE EXAMINATION OF THE FACILITIES WITHIN THE PLANT, INCLUDES THE CHRONOLOGICAL DEVELOPMENT OF THE PLANT PROVIDES A LINE DRAWING OF THE PLANT AND PHOTOGRAPHY OF THE ENTIRE PLANT AREA, AND PRESENTS FUNCTIONAL ANALYSES AND DIMENSIONAL DATA ON ALL OF THE SIGNIFICANT STRUCTURES IN THE PLANT. THE INFORMATION IN THIS REPORT IS CURRENT THROUGH

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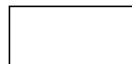
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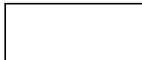
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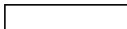
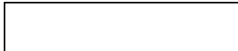
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
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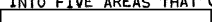
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S043402 CLASS 13Y RDA-11/0020/70
KIYEV AIRFRAME PLANT 473 

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THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF KIYEV AIRFRAME PLANT 473, U.S.S.R. THE FACILITY IS FUNCTIONALLY DIVIDED INTO FIVE AREAS THAT COVER ABOUT 315 ACRES AND CONTAIN APPROXIMATELY  OF FABRICATION/ASSEMBLY FLOORSPACE. PLANT ACTIVITY INCLUDES THE CONSTRUCTION, ASSEMBLY, AND REPAIR OF COCK AND COKE TRANSPORT AIRCRAFT, AS WELL AS POSSIBLE ENGINE TESTING. KIYEV/SVYATOSHINO AIRFIELD IS COLLOCATED WITH THE PLANT AND SERVES AS THE TEST AND FLYAWAY FIELD. THE AIRFIELD CONTAINS FACILITIES FOR

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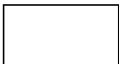
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AIRCRAFT REPAIR AND MAINTENANCE AND ENGINE TESTING.
A STANDARD IMAGERY TARGET DEFINITION (SITD), A MAP, THREE
ANNOTATED PHOTOGRAPHS, A LINE DRAWING, TWO PERSPECTIVE DRAWINGS, AND
A TABLE DEPICT THE INSTALLATION IN DETAIL.

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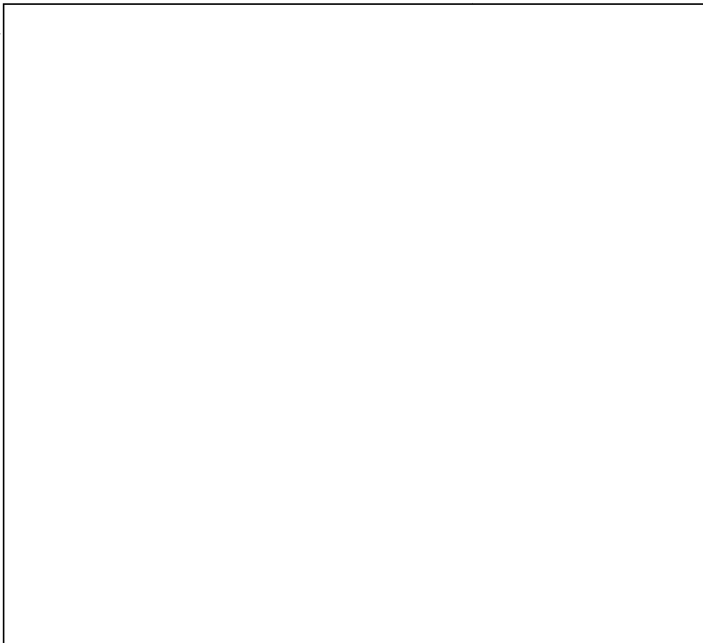


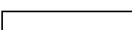
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S043431 CLASS 13Y RDA-11/0002/70
TAI-YUAN ARTILLERY + AMMUNITION CASE PLANT 247  25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF TAI-YUAN

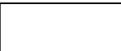
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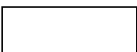


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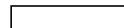
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ARTILLERY AND AMMUNITION CASE PLANT 247. THE PLANT, ONE OF THREE CONFIRMED FACILITIES PRODUCING ARTILLERY WEAPONS IN COMMUNIST CHINA, MANUFACTURES ONE OR MORE OF THE FOLLOWING -- 57MM AA GUNS, 122MM OR 152MM HOWITZERS, AND ARTILLERY SHELL CASES OF UNKNOWN CALIBER.

THE INSTALLATION CONSISTS OF 88 BUILDINGS AND 2 STORAGE TANKS WITH A TOTAL ROOF COVER OF 1,288,045 SQUARE FEET. THE TOTAL ROOF COVER OF THE PRODUCTION/FABRICATION AREA, WHICH CONSISTS OF TWO FORGE/FOUNDRY BUILDINGS, FOUR ASSEMBLY BUILDINGS, AND SEVEN MACHINE SHOPS, IS

[REDACTED] THERE ARE FIVE OPEN STORAGE AREAS TOTALING [REDACTED] SQUARE FEET.

PHOTOGRAPHS AND A LINE DRAWING DELINEATE THE INTERRELATIONSHIP OF INDIVIDUAL COMPONENTS AND DEPICT THE SITE IN DETAIL. THE TEXT AND TABLES PROVIDE DATA RELATING TO COMPONENT AND AREA IDENTIFICATION, STRUCTURAL MATERIALS, STORAGE DIMENSIONS, ROOF COVER, AND CONSTRUCTION FEATURES WHERE APPLICABLE.

S043432 CLASS 13Y RCA-09/0009/70
KOMSOMOLSK SHIPYARD AMUR 199 [REDACTED]

25X1

ACTIVITY OBSERVED AT KOMSOMOLSK SHIPYARD AMUR 199 IN THE THIRD QUARTER OF [REDACTED] IS DESCRIBED. ONLY ONE [REDACTED] MISSION COVERED THE YARD BETWEEN [REDACTED] THE FIRST Y-CLASS BALLISTIC MISSILE SUBMARINE TO APPEAR IN THE PACIFIC HAD BEEN LAUNCHED BETWEEN [REDACTED]

25X1

PHOTOGRAPHY, THE FIRST COVERAGE IN THE THIRD QUARTER OF [REDACTED] AN ANGUEMA-CLASS CARGO ICEBREAKER HAD ALSO BEEN LAUNCHED DURING THAT PERIOD. ANNOTATED PHOTOGRAPHS SHOW THE LOCATION OF SHIPS, THE SIZE AND LOCATION OF SUBMARINE HULL SECTIONS, AND THE CONSTRUCTION STATUS OF NEW FACILITIES AT THE SHIPYARD.

S043433 CLASS 13Y RDA-07/0022/70
SHAO-KUAN ARMY BARRACKS AL-1 [REDACTED]

25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF SHAO-KUAN ARMY BARRACKS AL-1, LOCATED IN THE CANTON MILITARY DISTRICT OF COMMUNIST CHINA, APPROXIMATELY 130 NAUTICAL MILES NORTH OF THE CHINA-HONG KONG BORDER. SHAO-KUAN HEADQUARTERS 5TH ARTILLERY DIVISION AL-1 IS COLLOCATED WITH THIS INSTALLATION, WHICH IS APPROXIMATELY 6 NAUTICAL MILES SOUTH OF THE TOWN OF SHAO-KUAN. THE SUBJECT TARGET ENCOMPASSES 985 ACRES AND CONTAINS 317 BUILDINGS CONSISTING OF ADMINISTRATION/BILLETING, VEHICLE MAINTENANCE/STORAGE, GENERAL STORAGE, AND MISCELLANEOUS. A DRIVER TRAINING AREA LIES APPROXIMATELY 1 NAUTICAL MILE NORTH OF THE INSTALLATION. RELATIVELY FEW VEHICLES,

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25X1 MAINLY CARGO TRUCKS AND CARGO TRAILERS, WERE EVIDENT ON [REDACTED] PHOTOGRAPHY. EVIDENCE OF PERSONNEL AND CONSTRUCTION ACTIVITY INDICATE THAT THE AREA IS MODERATELY ACTIVE. ANNOTATED PHOTOGRAPHY DEPICTS THE FUNCTIONAL COMPONENTS OF THE INSTALLATION. A TABLE KEYED TO THE PHOTOGRAPHY IDENTIFIES INDIVIDUAL STRUCTURES AND PROVIDES MENSURATION AND CHARACTERISTICS OF EACH AREA. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES.

25X1 S043436 CLASS 24A RCA-03/0035/70 MISHELEVKA ANTISATELLITE/SPACE TRACKING RADAR [REDACTED]

25X1 THE MISHELEVKA ANTISATELLITE/SPACE TRACKING (ASAT/ST) RADAR FACILITY CONSISTS OF FOUR IN-LINE AND ONE SWEEPBACK DUAL HEN HOUSE RADARS. DUAL HEN HOUSE RADARS A AND D HAVE BEEN PREVIOUSLY REPORTED AS EXTERNALLY COMPLETE. DUAL HEN HOUSE RADAR B IS NOW CONSIDERED EXTERNALLY COMPLETE AND DUAL HEN HOUSE RADAR C IS NEARING COMPLETION WITH THE MAJOR PORTION OF THE TROUGH PANELS INSTALLED. THE CONTROL BUILDING OF DUAL HEN HOUSE RADAR E IS ESSENTIALLY COMPLETE AND FOOTINGS FOR THE ANTENNA STRUCTURE ARE UNDER CONSTRUCTION.

25X1 THIS REPORT IS BASED ON LARGE-SCALE IMAGERY ACQUIRED SINCE [REDACTED] WITH SOME REFERENCE TO PHOTOGRAPHY BACK TO [REDACTED] THE REPORT INCLUDES A MAP INDICATING BORESIGHT AZIMUTHS OF ALL KNOWN SOVIET ABM/ASAT/ST RADARS, A LINE DRAWING WITH DETAILED MENSURATIONS AND RECENT PHOTOGRAPHS OF DUAL HEN HOUSE RADAR E WHICH IS THE NEWEST RADAR UNDER CONSTRUCTION AT MISHELEVKA.

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25X6



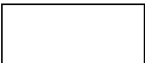
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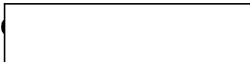


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25X6



S043542 CLASS 13Y RDA-10/0008/70
HEI-HO ARMY SUPPLY DEPOT [REDACTED] 25X1

THIS REPORT IS A DETAILED, IMAGERY-DERIVED INTERPRETATION OF HEI-HO GENERAL SUPPLY DEPOT, WHICH IS DISPERSED IN 14 FUNCTIONAL AREAS IN THE VICINITY OF HEI-HO, A TOWN IN CENTRAL TIBET. IT ENCOMPASSES 122 ACRES AND CONTAINS 251 BUILDINGS, OF WHICH 86 ARE STORAGE THAT PROVIDE 161,920 SQUARE FEET OF COVERED STORAGE SPACE, 76 ARE BARRACKS OR QUARTERS PROVIDING [REDACTED] OF BILLETING SPACE, AND 89 ARE MISCELLANEOUS. THE DEPOT CONTAINS TWO POL STORAGE AREAS THAT HAVE A COMBINED ESTIMATED CAPACITY OF 352,115 U.S. GALLONS, THREE BILLETING AREAS, TWO BARRACKS/STORAGE AREAS, SIX STORAGE AREAS, AND A SUPPORT AREA. SIXTY-FIVE OF THE DEPOTS STRUCTURES WERE BUILT SINCE

25X1

25X1

A MAP, THREE ANNOTATED PHOTOGRAPHS, TWO LINE DRAWINGS, TWO FUNCTIONAL TABLES WITH DIMENSIONS, A TABLE OF CONSTRUCTION ACTIVITY, AND A REFERENCE DATA LIST WITH IMAGERY SOURCES ARE INCLUDED IN THIS REPORT.

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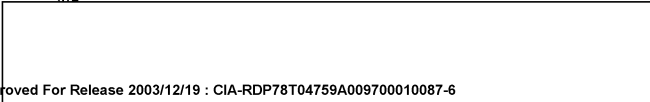
S043543 CLASS 13Y RDA-10/0012/70
NAN-CHING AMMUNITION DEPOT EAST LL1 [REDACTED]

THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF NAN-CHING AMMUNITION DEPOT EAST LL1 FOR THE PERIOD [REDACTED] THE INSTALLATION, SITUATED IN EASTERN COMMUNIST CHINA, IS 3.5 NAUTICAL MILES NORTH OF THE CITY OF NAN-CHING (NANKING). THE DEPOT ENCOMPASSES 665 ACRES, CONSISTS OF 3 FUNCTIONAL AREAS (2 AMMUNITION STORAGE AND 1 BILLETING/SUPPORT), AND CONTAINS 273 WOOD, SINGLE-STORY BUILDINGS. THE MAJOR STRUCTURES INCLUDE 115 EARTH-RETTED AMMUNITION STORAGE

25X1

25X1

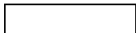
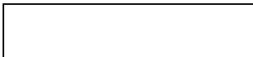
TOP SECRET



25X1



TOP SECRET



25X1

BUILDINGS, 46 WAREHOUSE/GENERAL STORAGE BUILDINGS, 6 GUARD/SECURITY BUILDINGS, AND 30 BARRACKS. THIRTY-ONE BUILDINGS WERE CONSTRUCTED BETWEEN [REDACTED] THIS TARGET IS ACTIVE AND THE LEVEL OF OCCUPANCY APPEARS TO BE HEAVY. ANNOTATED PHOTOGRAPHY AND A DETAILED LINE DRAWING DEPICT THE FUNCTIONAL COMPONENTS OF THE DEPOT. TABULAR DATA PROVIDE DIMENSIONAL INFORMATION KEYED TO THE DRAWING, AND A REFERENCE DATA LIST FURNISHES PHOTOGRAPHIC AND MAP SOURCES.

25X1

S043547 CLASS 13Y RDA-05/0020/69
ARKHANGELSK/KHOLM AIRFIELD [REDACTED]

25X1

THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF ARKHANGELSK/KHOLM AIRFIELD AND ITS ASSOCIATED FACILITIES, SITUATED IN THE NORTH-WEST PART OF THE U.S.S.R., FROM [REDACTED] THE AIRFIELD SUPPORTS A REGIMENT OF AIR-TO-SURFACE MISSILE (ASM) EQUIPPED BADGER MODEL C AIRCRAFT ASSIGNED TO THE NORTHERN FLEET AIR FORCE, SOVIET NAVAL AVIATION. FUNCTIONAL FACILITIES INCLUDE THE 8,910 FEET X 190 FEET CONCRETE RUNWAY, A PARALLEL DISPERSAL TAXIWAY, PARKING APRONS AND HARDSTANDS, AN ASM SUPPORT FACILITY, [REDACTED]

25X1

[REDACTED] POL STORAGE AREAS WITH A TOTAL CAPACITY OF 5,881,7510 U.S. GALLONS, AN AIRCRAFT MAINTENANCE FACILITY, NAVIGATIONAL/LANDING/ELECTRONIC AIDS, A SEAPLANE STATION, AND HOUSING/SUPPORT AREAS. DURING THE PERIOD, AN ASM SUPPORT FACILITY AND A 700-FOOT RUNWAY EXTENSION WERE CONSTRUCTED. THE NORMAL BADGER COMPLEMENT IS APPROXIMATELY 26 AIRCRAFT. [REDACTED] REVEALED 26 BADGER, 4 BEAGLE, 1 PROBABLE [REDACTED] / PROBABLE COLT, 2 PROBABLE MEDIUM TRANSPORT AIRCRAFT, 8 HOUND HELICOPTERS, AND 1 KIPPER ASM.

25X1

THE INFORMATION IS PRESENTED IN TEXTUAL, TABULAR, AND GRAPHICAL FORM AND INCLUDES A LOCATION MAP, 2 LINE DRAWINGS, 11 ANNOTATED PHOTOGRAPHS, A CHRONOLOGY, AND A REFERENCE DATA LIST.

S043548 CLASS 24A RCA-03/0020/70
SKRUNDA ABM/SPACE TRACKING FACILITY [REDACTED] 25X1

25X1

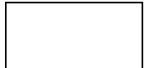
THE SKRUNDA ABM/SPACE TRACKING RADAR FACILITY CONTAINS TWO DUAL HEN HOUSE RADARS, A AND B. DUAL HEN HOUSE RADAR A HAS BEEN EXTERNALLY COMPLETE SINCE [REDACTED] WHILE DUAL HEN HOUSE RADAR B IS STILL UNDER CONSTRUCTION. IN [REDACTED] EARTH-MOVING ACTIVITY WAS EVIDENT IMMEDIATELY SOUTHEAST OF OPERATIONS AREA A AND MINOR CONSTRUCTION WAS OBSERVED IN THE SUPPORT AND HOUSING AREA.

25X1

TOP SECRET



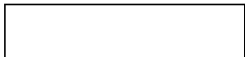
25X1



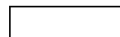
25X1



TOP SECRET



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25X1

THIS REPORT DESCRIBES THE CHANGES AND ACTIVITY THAT HAVE OCCURRED AT THE FACILITY BETWEEN [REDACTED] INCLUDED IN THE REPORT ARE A MAP SHOWING LOCATIONS AND BORESIGHT AZIMUTHS OF KNOWN ANTIBALLISTIC MISSILE/ANTISATELLITE/SPACE TRACKING RADARS AND AN ANNOTATED PHOTOGRAPH OF OPERATIONS AREA B.

25X1

S043550 CLASS 14Z RDA-05/0003/70
KUN-MING/WU-CHIA-PA AIRFIELD [REDACTED]

25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF KUN-MING/WU-CHIA-PA AIRFIELD AND ITS ASSOCIATED FACILITIES FROM [REDACTED] THE AIRFIELD IS 3.5 NAUTICAL MILES SOUTHEAST OF THE CITY OF KUN-MING, IN SOUTH-CENTRAL COMMUNIST CHINA. THIS BASE SERVES BOTH CIVIL AND MILITARY AIRCRAFT AND REPORTEDLY INCLUDES KUN-MING/WU-CHIA-PA AIR DEFENSE SECTOR HEADQUARTERS. CIVILIAN AIRCRAFT OBSERVED AT THE AIRFIELD INCLUDE CAB AND COLT; MILITARY AIRCRAFT INCLUDE F4GOT/FRESCO. MAJOR FACILITIES COVERED IN THIS REPORT INCLUDE THE 9,900 X 200 FT CONCRETE RUNWAY AND A FORMER (WORLD WAR II) RUNWAY, TAXIWAYS, PARKING AREAS, MAINTENANCE FACILITIES, NAVIGATIONAL/LANDING/ELECTRONIC AIDS, AAA DEFENSES, AND A HOUSING/SUPPORT AREA. IN [REDACTED] THE FORMER RUNWAY BECAME A PARKING AREA AND CONSTRUCTION ON A NEW RUNWAY WAS INITIATED. BY [REDACTED] THE NEW RUNWAY WAS COMPLETE ALONG WITH TWO ALERT PARKING APRONS, A HARDSTAND, A SOD PARKING AREA, A CIVILIAN AIRCRAFT PARKING AREA, AND A CIVILIAN HOUSING/SUPPORT AREA. ANOTHER POL STORAGE AREA WAS ADDED IN [REDACTED] INCREASING THE TOTAL POL STORAGE CAPACITY TO APPROXIMATELY 973,690 U.S. GALLONS.

25X1

25X1

25X1

25X1

THE INFORMATION IS PRESENTED IN GRAPHICAL AND TEXTUAL FORM AND INCLUDES A MAP, A LINE DRAWING, EIGHT ANNOTATED PHOTOGRAPHS, TABULAR DATA, A CHRONOLOGY, AND A REFERENCE DATA LIST.

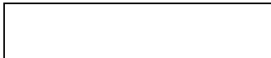
S043564 CLASS 24V RDA-07/0016/70
SHAN-TOU ARMY BARRACKS LIEN-TANG AL-1 [REDACTED] 25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF SHAN-TOU ARMY BARRACKS LIEN-TANG AL-1, WHICH IS LOCATED IN KUANG-TUNG PROVINCE OF THE CANTON MILITARY REGION, IN SOUTHEASTERN COMMUNIST CHINA. THE BUILT-UP COMPONENTS OF THIS INSTALLATION ENCOMPASS 440 ACRES AND CONTAIN 573 BUILDINGS, THE MAJOR TYPES OF WHICH ARE ADMINISTRATION, BARRACKS, VEHICLE STORAGE/MAINTENANCE, AMMUNITION STORAGE, AND GENERAL STORAGE. ASSOCIATED FACILITIES INCLUDE AN INFANTRY TRAINING AREA, A WHEELED-VEHICLE DRIVER TRAINING COURSE/AREA, AND PARADE/

25X1



TOP SECRET



25X1

25X1

TOP SECRET

25X1

25X1

EXERCISE AREAS. THE ONE CARGO TRUCK AND EIGHT UNIDENTIFIED POSSIBLE VEHICLES/EQUIPMENT OBSERVED ON THE COMPARED MISSIONS, THE TRACKAGE, AND GENERAL APPEARANCE OF THE AREA INDICATE THE BARRACKS AREA IS ACTIVE AND OCCUPIED.

ANNOTATED PHOTOGRAPHY DEPICTS THE FUNCTIONAL COMPONENTS OF THE INSTALLATION AND ASSOCIATED FACILITIES. TABULAR DATA IDENTIFY AND PROVIDE MEASUREMENTS OF INDIVIDUAL STRUCTURES. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES.

25X1

S043605 CLASS 14Y RAC-24/0016/69
THE SOVIET SA-2 GUIDELINE MISSILE SYSTEM ODF VARIOUS

THE REPORT DISCUSSES THE DEVELOPMENT OF THE SOVIET SA-2 SURFACE-TO-AIR MISSILE SYSTEM, INCLUDING A DESCRIPTION OF A TYPICAL SA-2 LAUNCH SITE. DETAILED DESCRIPTIONS ARE GIVEN OF ALL MODIFICATIONS OF THE SA-2 GUIDELINE MISSILE, BOTH VERSIONS OF THE MISSILE TRANSPORTER, THE SA-2 LAUNCHER, ALL MODIFICATIONS OF THE FAN SONG TRACKING AND GUIDANCE RADAR, THE SPOON REST A ACQUISITION RADAR, THE SCORE BOARD A IFF INTERROGATOR, AND THOSE PIECES OF GROUND SUPPORT EQUIPMENT UNIQUE TO THE SA-2 SYSTEM. REFERENCE IS ALSO MADE TO ASSOCIATED ELECTRONICS AND GROUND SUPPORT EQUIPMENT. THE REPORT CONCLUDES WITH A DESCRIPTION OF THE MISSILE LOADING AND FIRING OPERATIONS. COMPILATION OF INTELLIGENCE FOR THIS REPORT WAS

25X1

33A

TOP SECRET

25X1

[Redacted]

25X1

TOP SECRET

[Redacted]

25X1

[Redacted]

25X1

25X1

COMPLETED [Redacted]

S043606 CLASS 24V [Redacted]
PROBABLE MICROWAVE RELAY LINKS, OMSK, NOVOSIBIRSK, + KRASNOYARSK,
USSR BE VARIOUS

THIS REPORT LOCATES AND DESCRIBES 12 MICROWAVE FACILITIES IN A
PROBABLE LINK BETWEEN OMSK AND NOVOSIBIRSK, AND POSSIBLY EXTENDING
EAST TO KRASNOYARSK, USSR. THE REPORT CONTAINS A LINE DRAWING,
PHOTOGRAPHS, AND MENSURATION OF THESE FACILITIES.

25X1

S043613 CLASS 13Y RDA-04/0002/70
SHAN-TAN SAM TRAINING AREA B [Redacted]

25X1

THIS REPORT IS A DETAILED IMAGERY-DERIVED ANALYSIS OF SHAN-TAN
SURFACE-TO-AIR MISSILE (SAM) TRAINING AREA B, COVERING THE PERIOD
[Redacted] THE FACILITY, LOCATED IN NORTH-CENTRAL
COMMUNIST CHINA, CONTAINS FOUR 6-PAD LAUNCH SITES, EACH PATTERNED IN
AN IRREGULAR CONFIGURATION. ONLY ONE OF THE FOUR SITES IS OCCUPIED BY
LAUNCHERS AND A FAN SONG RADAR WITH ASSOCIATED VANS. EACH LAUNCH SITE
HAS AN ASSOCIATED HOUSING AREA. IN ADDITION, THE SITE INCLUDES A
SUPPORT/ASSEMBLY AREA, A STORAGE AREA, AND TWO DRIVER TRAINING
COURSES.

THIS REPORT IS PRESENTED IN TEXTUAL, TABULAR, AND GRAPHICAL FORM.
IT INCLUDES A LOCATION MAP, AN ANNOTATED PHOTOGRAPH, A DETAILED LINE
DRAWING, A CHRONOLOGY OF SITE OCCUPANCY, AND A REFERENCE DATA LIST.

25X1

S043614 CLASS 13Y RDA-05/0004/70
PYONGYANG EAST AIRFIELD [Redacted]

25X1

THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF PYONGYANG EAST
AIRFIELD AND ITS ASSOCIATED FACILITIES IN NORTH KOREA DURING THE
PERIOD [Redacted] THE AIRFIELD SUPPORTS LIGHT TRANSPORT
AIRCRAFT AND IS CAPABLE OF SUPPORTING JET FIGHTERS. [Redacted]
PHOTOGRAPHY REVEALED 14 COLT AND 3 CAB AIRCRAFT AT THE AIRFIELD.
PYONGYANG NATIONAL AIR FORCE HEADQUARTERS, PYONGYANG NATIONAL AIR
DEFENSE HEADQUARTERS, AND PYONGYANG AIR DEFENSE SECTOR HEADQUARTERS
ARE LOCATED SOUTHWEST OF THE AIRFIELD. SINCE THE AIR FACILITY WAS
FIRST OBSERVED ON [Redacted] PHOTOGRAPHY, NO MAJOR CONSTRUCTION ACTIVITY
HAS OCCURRED. MAJOR FUNCTIONAL ITEMS DESCRIBED IN THE TEXT INCLUDE
A 6,570 X 160 FT CONCRETE RUNWAY, TWO PARALLEL TAXIWAYS, PARKING
FACILITIES, NAVIGATIONAL/LANDING/ELECTRONIC AIDS, POL STORAGE

25X1

TOP SECRET

[Redacted]

25X1

25X1

[Redacted]

[] 25X1

TOP SECRET

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[] 25X1

(ESTIMATED TOTAL STORAGE CAPACITY OF 209,070 U.S. GALLONS), AMMUNITION STORAGE, ADMINISTRATION AREAS, BARRACKS AND HOUSING AREAS, AND TRAINING FACILITIES.

THE INFORMATION IS PRESENTED IN TEXTUAL, TABULAR, AND GRAPHICAL FORM AND INCLUDES A LOCATION MAP, A LINE DRAWING, 12 ANNOTATED PHOTOGRAPHS, A CHRONOLOGY, AND A REFERENCE DATA LIST.

25X1 S043615 CLASS 13 RDA-11/0019/70 LENINGRAD GUIDED MISSILE PRODUCTION PLANT []

THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF LENINGRAD GUIDED MISSILE PRODUCTION PLANT 458 (FORMERLY LENINGRAD AIRFRAME PLANT 458/272). THE PRODUCTION OF CREEK AIRCRAFT AND HORSE HELICOPTERS HAS BEEN CREDITED TO LENINGRAD AIRFRAME PLANT 458/272; HOWEVER, PLANT 458 IS NOW PROBABLY INVOLVED PRIMARILY WITH THE MANUFACTURE OF SA-2 AND SA-5 MISSILES. THE CONSTRUCTION OF A FINAL ASSEMBLY BUILDING AT PLANT 458 INDICATES EXPANSION TO ACCOMMODATE INCREASED PROBABLE MISSILE OUPUT. THE PLANT COVERS APPROXIMATELY 95 ACRES AND CONTAINS 54 BUILDINGS. IT IS FUNCTIONALLY DIVIDED INTO FIVE AREAS AS FOLLOWS - ADMINISTRATION/ENGINEERING, STORAGE/CRATING, FABRICATION/ASSEMBLY, STORAGE/SUPPORT, AND POWERPLANT.

PHOTOGRAPHS AND A LINE DRAWING DELINEATE THE INTERRELATIONSHIP OF INDIVIDUAL COMPONENTS AND DEPICT THE SITE IN DETAIL. PERSPECTIVE DRAWINGS, TEXT, AND TABLES PROVIDE DATA RELATING TO PROBABLE MANUFACTURED MISSILES AND AREA IDENTIFICATION, MENSURATION DATA, AND CONSTRUCTION FEATURES WHERE APPLICABLE. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES. A STANDARD IMAGERY TARGET DEFINITION (SITD) SHEET IS INCLUDED.

25X1 S043617 CLASS 13Y RDA-10/0014/70 TIEN-CHING RAILROAD YARDS NORTHWEST []

THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF TIEN-CHING RAILROAD YARDS NORTHWEST, SITUATED IN THE CITY OF TIEN-CHING, 57 NAUTICAL MILES SOUTHEAST OF PEI-PING NEAR THE NORTHEAST COAST OF COMMUNIST CHINA. THE FACILITY HAS TWO CLASSIFICATION YARDS AND A RECEIVING/FORWARDING YARD. THE INSTALLATIONS MAXIMUM DIMENSIONS ARE APPROXIMATELY 9,700 FEET X 1,300 FEET WITH A TOTAL STANDING CAPACITY OF APPROXIMATELY 2,500 CARS.

INCLUDED IN THIS REPORT ARE A MAP, A PHOTOGRAPH, AND 2 LINE DRAWINGS OF THE FACILITY. TABLES PROVIDE DIMENSIONAL DATA AND A REFERENCE DATA LIST FURNISHES PHOTOGRAPHIC AND MAP SOURCES.

35A

TOP SECRET

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25X1 []

[Redacted]

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TOP SECRET

[Redacted]

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[Redacted]

25X1

25X1 S043618 CLASS 13Y RDA-10/0011/70
SSU-PING AMMUNITION DEPOT LUNG-WANG-TUN [Redacted]

THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF SSU-PING AMMUNITION DEPOT LUNG-WANG-TUN, WHICH IS LOCATED IN NORTHEASTERN COMMUNIST CHINA. THE AREA LIES 9.9 NAUTICAL MILES (NM) SOUTHEAST OF THE CITY OF SSU-PING AND ABOUT 95 NM NORTHEAST OF SHEN-YANG. THE IRREGULAR-SHAPED, FENCE-ENCLOSED DEPOT IS SERVED BY BOTH ROAD AND RAIL. IT CONTAINS 50 EARTH-COVERED BUNKERS, 59 STORAGE BUILDINGS, 30 SUPPORT BUILDINGS, 3 TRANSSHIPMENT SHEDS, 2 BARRACKS/ADMINISTRATION BUILDINGS, 1 ADMINISTRATION BUILDING, 1 VEHICLE SHED, 1 MESSHALL, AND 1 HEATING PLANT. OF THE 59 STORAGE BUILDINGS, 36 ARE REVETTED WITH BLAST WALLS, 15 HAVE EARTHEN REVETMENTS, AND 8 ARE UNRETTED.

INCLUDED IN THIS REPORT ARE A LOCATION MAP AND THREE ANNOTATED PHOTOGRAPHS. A TABLE PROVIDES DIMENSIONAL DATA ON ALL STRUCTURES, AND A REFERENCE DATA LIST FURNISHES IMAGERY AND MAP SOURCES.

25X1 S043620 CLASS 14Z RDA-11/0001/70
NAMPO SHIPYARD [Redacted]

THIS REPORT IS A DETAILED PHOTO-DERIVED ANALYSIS OF NAMPO SHIPYARD IN NORTH KOREA. THE ONLY MAJOR SHIPYARD ON THE WEST COAST OF NORTH KOREA, IT LIES IN THE SOUTHWEST SECTION OF THE COUNTRY, APPROXIMATELY 25 NAUTICAL MILES SOUTHWEST OF PYONGYANG, ON THE NORTH SHORE OF THE TAEDONG GANG (STREAM). THE INSTALLATION COVERS 60 ACRES AND ITS MAJOR FACILITIES CONSIST OF 5 BUILDING WAYS, 2 REPAIR WAYS, A GRAVING DOCK UNDER CONSTRUCTION, AND 41 BUILDINGS. THE PRIMARY FUNCTION OF THE YARD IS THE CONSTRUCTION OF MERCHANT SHIPS AND SMALL COMBATANTS. A SECONDARY FUNCTION IS THE REPAIR AND MODIFICATION OF VESSELS. NORTH KOREAN INFILTRATION VESSELS HAVE BEEN OBSERVED UNDER CONSTRUCTION HERE.

INCLUDED IN THIS REPORT ARE A MAP, A LINE DRAWING, AND TWO ANNOTATED PHOTOGRAPHS. A REFERENCE DATA LIST FURNISHES IMAGERY AND DOCUMENTARY SOURCES.

25X6

[Redacted]

36A

TOP SECRET

[Redacted]

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[Redacted]

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Approved For Release 2003/12/19 : CIA-RDP78T04759A009700010087-6

Approved For Release 2003/12/19 : CIA-RDP78T04759A009700010087-6

25X1

TOP SECRET

25X1

25X1

25X2

25X1

S043633 CLASS 13 RCA-09/0033/70
ZELENOGORSK ROCKET ENGINE TEST FACILITY

THE ZELENOGORSK ROCKET ENGINE TEST FACILITY (STATIC TEST FACILITY) NEAR LENINGRAD, USSR, APPEARS TO BE ENGAGED IN THE RESEARCH AND DEVELOPMENT OF HIGHLY TOXIC PROPELLANT FORMULATIONS. THE FACILITY MAY ALSO BE USED FOR DEVELOPMENT AND TESTING OF ROCKET ENGINES/MOTORS THAT USE HIGHLY TOXIC PROPELLANTS. THE REPORT INCLUDES A BRIEF DISCUSSION OF THE ENVIRONMENT AND DEVELOPMENT, AND A PHYSICAL DESCRIPTION OF THE FACILITY, AUGMENTED BY A LOCATION MAP, A PHOTOGRAPH OF THE FACILITY, AND A TABLE, KEYED TO A LAYOUT DRAWING OF THE FACILITY, INDICATING THE PROBABLE FUNCTION AND RELATED DATA FOR MOST BUILDINGS AND STRUCTURES. A DETAILED DESCRIPTION OF THE TEST BUILDING AND A DISCUSSION OF TEST OPERATIONS ARE SUPPLEMENTED BY GRAPHICS OF THE STRUCTURE.

25X1

S043635 CLASS 13Y RDA-11/0010/70
LENINGRAD SHIPYARD ZHDANOV 190

25X1

THIS REPORT IS A DETAILED, IMAGERY-DERIVED ANALYSIS OF ACTIVITY AT LENINGRAD SHIPYARD ZHDANOV 190, U.S.S.R., FROM [REDACTED] DURING THIS PERIOD, A PROBABLE SHOP BUILDING IS NOTED TO BE IN AN EARLY STAGE OF CONSTRUCTION, A PROBABLE ADMINISTRATION OR DESIGN BUILDING THAT WAS UNDER CONSTRUCTION IS COMPLETE, AND ROOF REPAIR IS UNDERWAY ON A PORTION OF A FABRICATION BUILDING. THE YARD IS CURRENTLY CONSTRUCTING AND FITTING OUT KRESTA CLASS CLGM UNIT V THROUGH PROBABLY UNIT XI AND A NEW CLASS OF MERCHANT SHIP, THE PYATIDESYATILEIYE KOMSOMO CLASS. ALSO UNDERWAY IS A MODIFICATION AND CONVERSION PROGRAM FOR KANIN CLASS DDGS FROM FORMER KRUPNYY CLASS DDGS UNITS. THE PRESENCE OF A PROBABLE STERN SUBASSEMBLY TO A KRESTA CLASS SUGGESTS THE POSSIBLE CONSTRUCTION OF UNIT XII, OR IT MAY BE PART OF UNIT X. PRESENTLY FITTING OUT AT THE SHIPYARD ARE TWO PYATIDESYATILEIYE KOMSOMO CLASS MERCHANT SHIPS AS WELL AS KRESTA II CLASS CLGM UNITS VI THROUGH VIII. KRESTA CLASS CLGM UNIT V AND A KANIN CLASS DDG WERE COMPLETED AND DEPARTED THE YARD DURING THE REPORTING PERIOD. THIS REPORT INCLUDES SIX ANNOTATED PHOTOGRAPHS, A TABLE, A REFERENCE DATA LIST, AND A STANDARD IMAGERY TARGET DEFINITION (SITD)

25X1

TOP SECRET

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[Redacted]

25X1

TOP SECRET

[Redacted]

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[Redacted]

25X1

SHEET.

S043639 CLASS 07 91-69
TEST AND EVALUATION REPORT BE NONE

THE PROTOTYPE [Redacted] SPLIT-FORMAT LIGHT TABLE ACCOMMODATES A WIDER VARIETY OF FILM SIZES AND FILM THREADING CONFIGURATIONS THAN EARLIER LIGHT TABLES. THE TABLE WAS BUILT USING NPIC DEVELOPMENT OBJECTIVES AS GUIDELINES. THE EQUIPMENT IS NOT ACCEPTABLE FOR PROCUREMENT IN ITS PRESENT CONDITION, CHANGES WHICH WILL MAKE IT ACCEPTABLE ARE DESCRIBED IN THE CONCLUSIONS AND RECOMMENDATIONS. AS A RESULT OF THE TEST AND EVALUATION FINDINGS, THE PROTOTYPE WAS RETURNED TO THE MANUFACTURER TO CORRECT ILLUMINATION OUTPUT AND LIGHT FALL-OFF DEFICIENCIES AND TO MODIFY THE SEGMENTED ROLLERS.

25X1

S043640 CLASS 05X RN6-23/5013/69
KIANGNAN CLASS DE ODF 67-0167

THIS REPORT PROVIDES A DETAILED, IMAGERY-DERIVED ANALYSIS OF THE CHINESE COMMUNIST KIANGNAN CLASS DESTROYER ESCORT. THIS CLASS REPRESENTS THE FIRST MAJOR SURFACE COMBATANT ADDED TO THE CHICOM NAVY SINCE RIGA CLASS DE CONSTRUCTION WAS TERMINATED IN [Redacted]

25X1

BASIC DIMENSIONS OF KIANGNAN ARE IDENTICAL TO THOSE OF RIGA -- [Redacted] THE MAIN BATTERY ON KIANGNAN CONSISTS OF THREE 100-MM. GUNS. FOUR TWIN 37-MM. GUNS AND TWO TWIN 14.5-MM. GUNS PROVIDE SUBSTANTIAL ANTI-AIRCRAFT FIREPOWER. THE CLASS IS READILY IDENTIFIED BY THE SLOPED GUNWALES ATWARTSHIPS OF THE NUMBER TWO 100-MM. GUN AND BY ITS PROMINENT STACK WITH AN ELONGATED SMOKE DEFLECTOR ON THE AFTER EDGE. MOST OF THE ELECTRONIC SENSORS ARE APPARENTLY OF CHINESE DESIGN, AND THERE IS LITTLE INFORMATION AVAILABLE CONCERNING THEM. PRESENTLY FIVE UNITS ARE OPERATIONAL-ONE IN THE EAST SEA FLEET AND THE REMAINDER IN THE SOUTH SEA FLEET.

25X1

THE INTELLIGENCE CUT-OFF DATE FOR THIS REPORT IS [Redacted]

25X1

TOP SECRET

[Redacted]

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[Redacted]

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