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PHOTOGRAPHIC INTERPRETATION REPORT

CURRENT SUMMARY OF SOVIET ICBM LAUNCH AREAS IDENTIFIED ON KEYHOLE PHOTOGRAPHY



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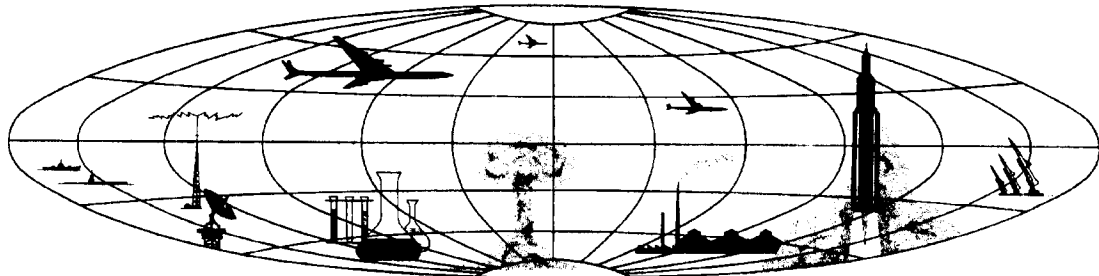
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downgrading and declassification

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CURRENT SUMMARY OF SOVIET ICBM LAUNCH AREAS
IDENTIFIED ON KEYHOLE PHOTOGRAPHY

This report presents a current summary of deployed ICBM launch areas in the USSR identified on KEYHOLE photography as of [] July 1962 (Table 1).

The total number of deployed ICBM launch areas identified is now 56, with a minimum total of 98 pads (on the assumption of one pad for each Shadrinsk-type launch area) referenced to 16 separate locations. The total includes 34 launch areas of the Tyura Tam Complex "C", or Yur'ya, type with a total of 68 pads; 4 of the Tyura Tam Launch Complex "B" type with a total of 4 pads; 10 of the Tyura Tam Launch Complex "D", or Shadrinsk, type with a minimum total of 10 pads; and 8 of the Tyumen' type with a total of 16 pads. The total of 56 launch areas appear at the following complexes: Drovyanaya, Gladkaya, Itatka, Kostroma, Kozel'sk, Novosibirsk, Perm', Plesetsk, Shadrinsk, Svodbodnyy, Teykovo, Tyumen', Verkhnyaya Salda, Yedrovo, Yoshkar-Ola, and Yur'ya. A possible ICBM complex is located at Nyandoma with no launch areas identified to date, and a suspect complex is located near Omsk.

[] referenced in Table 1 have been derived from the appropriate [] - Series 200. These coordinates are considered to be the most accurate to date.

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Table 1. Current Summary of Soviet ICBM Launch Areas Identified on KEYHOLE Photography.

Item	Complex Area Name	Area Designator	BE Number	Coordinates	Distance Between Areas - NM	Launch Area Orientation \pm 5 Degrees	No of Pads	Construction Status 1/	Degree of Confidence	Missions
1.	Drovyanaya Support Facility Transfer Point Launch Area	A		51-32N 113-01E	--	--	-	U/C	Firm	
				--	--	--	-	Complete	Firm	
				51-24N 113-00E	--	20*	2	U/C	Firm	
2.	Gladkaya Support Facility Launch Area	A B		56-05N 92-13E	--	--	-	U/C	Poss	
				56-20N 92-19E	--	60*	2	U/C	Firm	
				56-25N 92-25E	A-B 6.0	60*	2	U/C	Firm	
3.	Itatka Support Facility Transfer Point Launch Area	A B		56-50N 85-36E	--	--	-	Complete	Firm	
				56-31N 85-36E	--	--	-	Complete	Firm	
				56-58N 85-33E	--	10*	2	Complete	Firm	
				57-01N 85-39E	A-B 4.4	10*	2	U/C	Firm	
4.	Kostroma Support Facility Transfer Point Launch Area	A B C D E		57-48N 41-00E	--	--	-	Complete	Firm	
				57-51N 41-15E	--	--	-	Complete	Firm	
				58-02N 41-21E	--	295*	2	Complete	Firm	
				58-02N 41-07E	A-B 7.5	295*	2	Complete	Firm	
				57-59N 41-09E	A-C 7.1	295*	2	U/C	Firm	
5.	Kozel'sk Support Facility Launch Area	A B C		53-57N 35-48E	--	--	-	U/C	Firm	
				53-54N 35-44E	--	295*	2	U/C	Firm	
				53-48N 35-47E	A-B 7.3	295*	2	U/C	Firm	
				53-46N 35-41E	A-C 8.2	295*	2	U/C	Firm	
6.	Novosibirsk Support Facility Launch Area	A B C		55-18N 82-57E	--	--	-	Complete	Firm	
				55-19N 83-10E	--	Undetermined	2	U/C	Firm	
				55-19N 83-01E	A-B 5.2	Undetermined	1	U/C	Firm	
				55-23N 82-56E	A-C 9.0	Undetermined	1	U/C	Firm	
7.	Nyandoma Support Facility Clearing or Excavation			61-39N 40-10E	--	--	-	--	Poss	
				--	--	--	-	--	--	
8.	Omsk Support Facility Transfer Point *Launch Area	A		55-03N 73-30E	--	--	-	U/C	Suspect	
				55-05N 73-33E	--	--	-	U/C	Suspect	
				55-09N 73-38E	--	--	-	U/C	Suspect	

*Not included in total number of launch areas.

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Table 1. (continued)

Item	Complex Area Name	Area Designator	BE Number	Coordinates	Distance Between Areas - NM	Launch Area Orientation \pm 5 Degrees	No of Pads	Construction Status 1/	Degree of Confidence	Missions		
9.	Perm' Support Facility			57-42N 56-19E	--	--	-	Complete	Firm			
				Transfer Point	57-42N 56-17E	--	--	-	Complete	Firm		
				Launch Area	A	57-41N 56-18E	--	315°	2	Complete	Firm	
					B	57-42N 55-57E	A-B 8.5	315°	2	U/C	Firm	
10.	Plesetsk Support Facility			62-56N 40-39E	--	--	-	Complete	Firm			
				Transfer Point	62-55N 40-45E	--	--	-	Complete	Firm		
				Launch Point	I	62-55N 40-27E	--	Undetermined	1	Complete	Firm	
					II	62-55N 40-28E	I-II 0.4	Undetermined	1	Complete	Firm	
					III	62-56N 40-32E	I-III 2.5	Undetermined	1	Complete	Firm	
					IV	62-57N 40-41E	I-IV 6.5	Undetermined	1	Complete	Firm	
					A	62-58N 40-47E	I-A 10.0	345°	2	Complete	Firm	
					B	63-03N 40-58E	I-B 15.9	345°	2	Complete	Firm	
					C	63-01N 40-52E	I-C 12.6	10°	1	U/C	Firm	
11.	Shadrinsk Support Facility			56-08N 63-40E	--	--	-	Complete	Firm			
				Transfer Point	56-10N 63-41E	--	--	-	Undetermined	Firm		
				Launch Area	A	56-09N 63-52E	--	60°	1	U/C	Firm	
					B	56-10N 64-08E	A-B 6.3	60°	1	U/C	Firm	
12.	Svobodnyy Support Facility			51-46N 128-07E	--	--	-	Complete	Firm			
				Transfer Point	51-46N 128-09E	--	--	-	Complete	Firm		
				Launch Area	A	51-55N 128-10E	--	30°	2	U/C	Firm	
					B	51-49N 128-19E	A-B 12.4	30°	2	U/C	Firm	
					C	51-53N 128-23E	A-C 9.0	30°	2	U/C	Firm	

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Table 1. (continued)

Item	Complex Area Name	Area Designator	BE Number	Coordinates	Distance Between Areas - NM	Launch Area Orientation \pm 5 Degrees	No of Pads	Construction Status 1/	Degree of Confidence	Missions	
13.	Teykovo Support Facility	A		56-52N 40-35E	--	--	-	Complete	Firm		
				56-54N 40-34E	--	--	-	Complete	Firm		
				56-55N 40-27E	--	295*	2	Complete	Firm		
		B		56-56N 40-33E	A-B 3.5	295*	2	Complete	Firm		
				C	56-55N 40-17E	A-C 5.5	295*	2	U/C	Firm	
14.	Tyumen* Support Facility			56-52N 65-53E	--	--	-	Complete	Firm		
				A	56-53N 65-48E	--	--	-	U/C	Firm	
					56-52N 65-35E	--	300*	2	U/C	Firm	
		B		56-48N 65-38E	A-B 4.4	300*	2	U/C	Firm		
				C	56-51N 65-28E	A-C 4.0	300*	2	U/C	Firm	
15.	Verkhnyaya Salda Support Facility			58-02N 60-23E	--	--	-	Complete	Firm		
				A	58-02N 60-23E	--	--	-	Complete	Firm	
	58-09N 60-16E	--	350*		2	Complete	Firm				
	B	58-08N 60-22E	A-B 3.3		350*	2	Complete	Firm			
		C	58-10N 60-28E	A-C 6.5	350*	2	Complete	Firm			
	D		58-12N 60-34E	A-D 10.0	350*	2	Complete	Firm			
			E		58-14N 60-54E	A-E 20.8	350*	2	Complete	Firm	
	F				58-14N 60-41E	A-F 14.1	45*	1	U/C	Firm	
		G		58-13N 60-49E	A-G 18.0	45*	1	U/C	Firm		
16.	Yedrovo Support Facility			57-51N 33-41E	--	--	-	Complete	Firm		
				A	57-52N 33-39E	--	--	-	Complete	Firm	
					57-48N 33-36E	--	290*	2	U/C	Firm	
		B		57-48N 33-14E	A-B 11.8	290*	2	U/C	Firm		
				C	57-49N 33-08E	A-C 14.9	290*	2	U/C	Prob	
17.	Yoshkar-Ola Support Facility			56-34N 48-03E	--	--	-	Complete	Firm		
				A	56-34N 48-04E	--	--	-	Complete	Firm	
	56-35N 48-10E	--	335*		2	Complete	Firm				
	B	56-35N 48-18E	A-B 4.4		335*	2	Complete	Firm			
		C	56-34N 48-25E	A-C 8.3	335*	2	U/C	Firm			

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Table 1. (continued)

Item	Complex Area Name	Area Designator	BE Number	Coordinates	Distance Between Areas - NM	Launch Area Orientation ± 5 Degrees	No of Pads	Construction Status 1/	Degree of Confidence	Missions
18.	Yur'ya Support Facility Auxiliary Support Facility Transfer Point Launch Area	A B C D E F G		59-03N 49-19E	--	--	-	Complete	Firm	
				59-10N 49-29E	--	--	-	Complete	Firm	
				59-10N 49-29E	--	--	-	Complete	Firm	
				59-09N 49-33E	--	340°	2	Complete	Firm	
				59-08N 49-41E	A-B 4.2	340°	2	Complete	Firm	
				59-12N 49-28E	A-C 5.9	340°	2	Complete	Firm	
				59-15N 49-24E	A-D 7.5	340°	2	Complete	Firm	
				59-22N 49-17E	A-E 15.3	Undetermined	1	U/C	Firm	
				59-21N 49-18E	A-F 15.8	340°	2	Complete	Firm	
				59-04N 49-52E	A-G 11.1	Undetermined	1	U/C	Firm	

1/ Construction status is considered complete when launch pads, ready buildings, road pattern, and support facilities appear to be completed.

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REFERENCES

PHOTOGRAPHY

<u>Mission</u>	<u>Date</u>	<u>Classification</u>
	Dec 60	TOP SECRET RUFF
	Jun 61	TOP SECRET RUFF
	Jul 61	TOP SECRET RUFF
	Sep 61	TOP SECRET RUFF
	Aug-Sep 61	TOP SECRET RUFF
	Oct 61	TOP SECRET RUFF
	Dec 61	TOP SECRET RUFF
	Feb-Mar 62	TOP SECRET RUFF
	Apr 62	TOP SECRET RUFF
	May-Jun 62	TOP SECRET RUFF
	Jun 62	TOP SECRET RUFF
	Jun-Jul 62	TOP SECRET RUFF

REQUIREMENTS

OACSI. TK-JRI-14T-1-62

NPIC PROJECT

JN-97/62