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PHOTOGRAPHIC INTERPRETATION REPORT

SELECTED TYPE I AND TYPE II, MRBM, AND TYPE III, IRBM, LAUNCH AREAS, USSR

NPIC/R-230/63
October 1963

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

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NPIC/R-230/63

INTRODUCTION

This report presents a detailed photographic analysis of ten selected soft MRBM (Types I and II) and soft IRBM (Type III) launch areas in the USSR (Figure 1); particular emphasis has been placed on a detailed line drawing for each of the ten selected areas included in this report. These areas represent a cross section of the soft MRBM and IRBM launch areas deployed in the Soviet Union. In accordance with established criteria 1/ these types are as follows:

Type I--Soft MRBM launch area consisting of four round pads.

Type II--Soft MRBM launch area consisting of four elongated pads arranged in an inline configuration and separated by a distance of less than 700 feet.

Type III--Soft IRBM launch area consisting of four elongated pads arranged in an inline configuration and separated by more than 700 feet.

Kremovo, a pre-selected area for this report, has since been negated by NPIC as an MRBM launch area and, therefore, is not included. Essential data concerning the selected launch areas are given in Table 1.

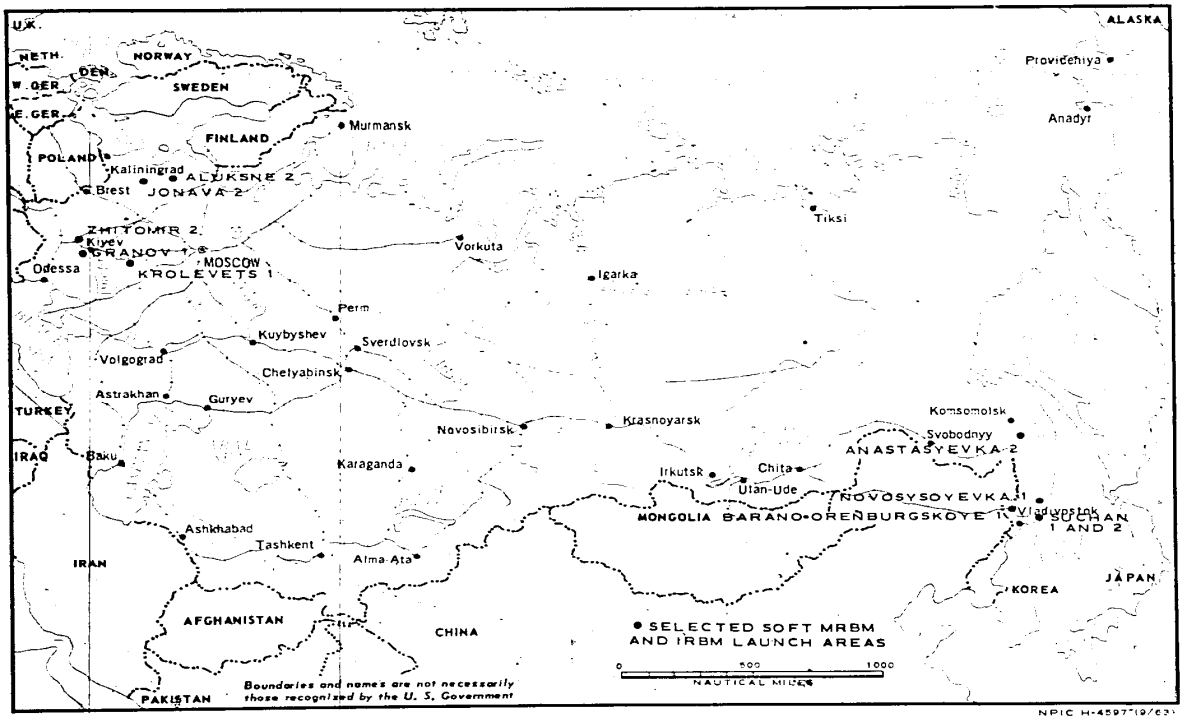

FIGURE 1. LOCATIONS OF SELECTED SOFT MRBM AND IRBM LAUNCH AREAS, USSR.

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25X1D

Table 1. Essential Data on Selected Soft MRBM and IRBM Launch Areas

TDI Designation	GMAIC Designation	Coordinates	BE No
TYPE I, MRBM			
Sofiye-Alekseyevskoye MRBM Launch Site	Barano-Orenburgskoye Launch Area No 1	44-15-30N 131-23-00E	[redacted]
Novitskoye MRBM Launch Site	Suchan Launch Area No 1	43-01-45N 133-17-15E	
Severnyy Suchan MRBM Launch Site	Suchan Launch Area No 2	43-10-00N 133-20-00E	
TYPE II, MRBM			
Ruski MRBM Launch Site	Aluksne Launch Area No 2	57-25-15N 26-50-00E	
Anastasyevka MRBM Site 2	Anastasyevka Launch Area No 2	48-36-45N 135-41-30E	
Jonava MRBM Launch Site	Jonava Launch Area No 2	55-01-00N 24-14-15E	
Zhitomir MRBM Launch Site 2	Zhitomir Launch Area No 2	50-10-15N 28-16-00E	
TYPE III, IRBM			
Krolevets IRBM Launch Site 1	Krolevets Launch Area No 1	51-36-45N 33-28-45E	
Granov IRBM Launch Site 1	Granov Launch Area No 1	48-56-15N 29-30-30E	
Novosysoyevka IRBM Launch Site	Novosysoyevka Launch Area No 1	44-11-30N 133-26-00E	

TYPE I, MRBM LAUNCH AREAS

The Type I MRBM launch area, as evidenced on photography, was the USSR's first deployed MRBM launch area. The deployment of Type I MRBM launch areas probably was completed in late 1961, as borne out by the fact that only one such launch area was observed while still under construction in [redacted]. Three areas of this type included as part of this report are as follows:

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BARANO-ORENBURGSKOYE MRBM LAUNCH AREA NO 1

This road-served launch area is located 8 nautical miles (nm) south-southwest of Barano-Orenburgskoye and 3.2 nm south-southeast of Sofiya-Alekseyevskoye (Figures 2 and 3). An administration and housing section containing approximately 14 buildings is located 800 feet north of the launch site. [redacted]

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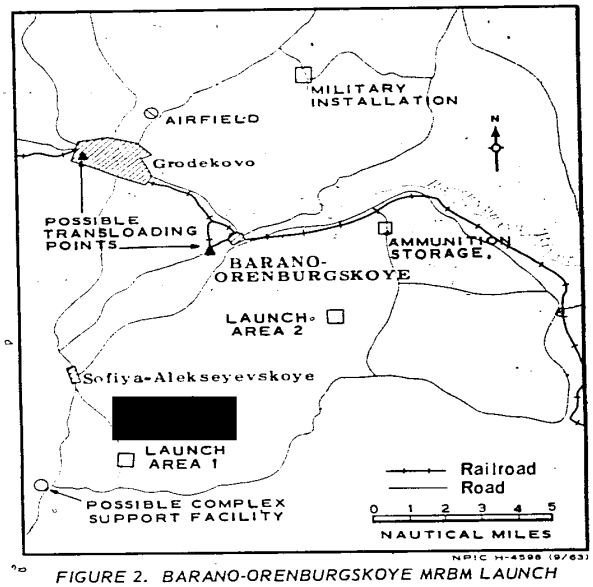

FIGURE 2. BARANO-ORENBURGSKOYE MRBM LAUNCH COMPLEX, USSR.

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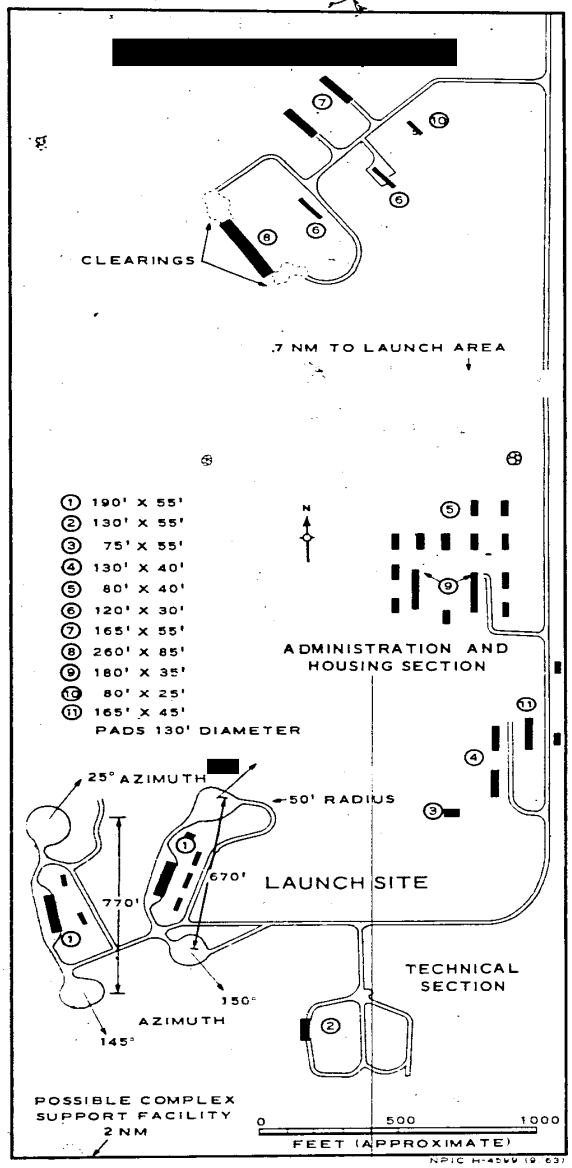

FIGURE 3. BARANO-ORENBURGSKOYE MRBM LAUNCH AREA NO 1.

25X9

[redacted]

There are two possible transloading points located within a 10-nm radius of this launch area. The most likely point is a rail spur leading into a secured storage area in Barano-Orenburgskoye, 8 nm north-northeast of the launch area. This fenced storage area contains three buildings, each 80 by 40 feet. Several roads connect this area to the main road leading to the launch area. The other possible transloading point is located at the eastern end of the army barracks area at Grodekovo, 10 nm north of the launch area. There are no buildings at this point.

SUCHAN MRBM LAUNCH AREA NO 1

Suchan Launch Area No 1 is located 5.5 nm southeast of the town of Novitskoye (Figures 4 and 5). There is an administration and housing section in the launch area, with approximately

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25X9

[redacted]

There are three possible transloading points within a 15-nm radius of this launch area, one being a rail and road junction 7.5 nm to the northwest. The second point, containing at least five long buildings, is located 14.5 nm north, near the Suchan Ammunition Storage Area. The third point is Nikolayevka Airfield, 6.5 nm to the northwest, with direct road connection to the launch area.

SUCHAN MRBM LAUNCH AREA NO 2

Suchan Launch Area No 2 is located 6.5 nm southeast of Severnyy Suchan and 9 nm north of Suchan Launch Area 1 (Figures 4 and 6). There is an administration and housing section near

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the double-fenced launch site and a secured

25X9 [redacted]

There are three possible transloading points within a 10-nm radius of this launch area. A possible transloading point is that located near the Suchan Ammunition Storage Area and 6 nm northwest of the launch area. Another point is a rail and road junction 5 nm southwest of the launch area. The third point is Nikolayevka Airfield, 10 nm to the southwest and indirectly road connected to the launch area.

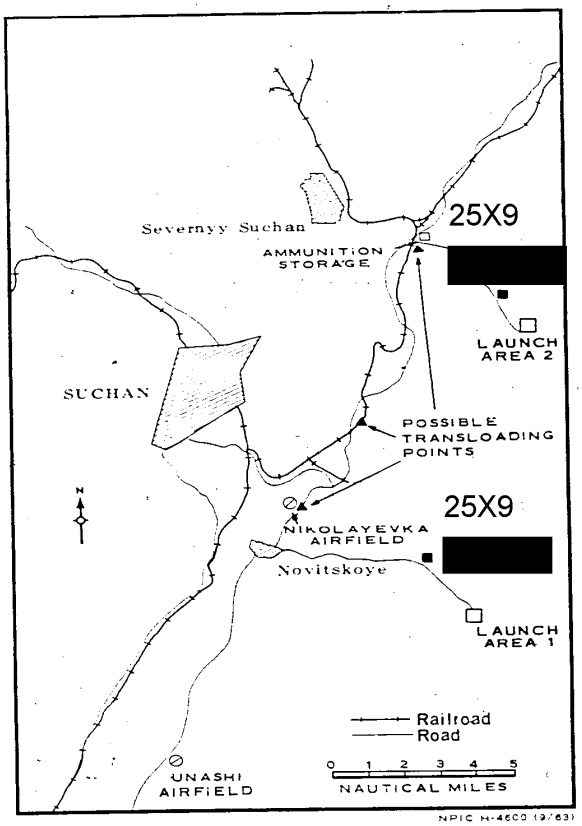

FIGURE 4. SUCHAN MRBM LAUNCH COMPLEX, USSR.

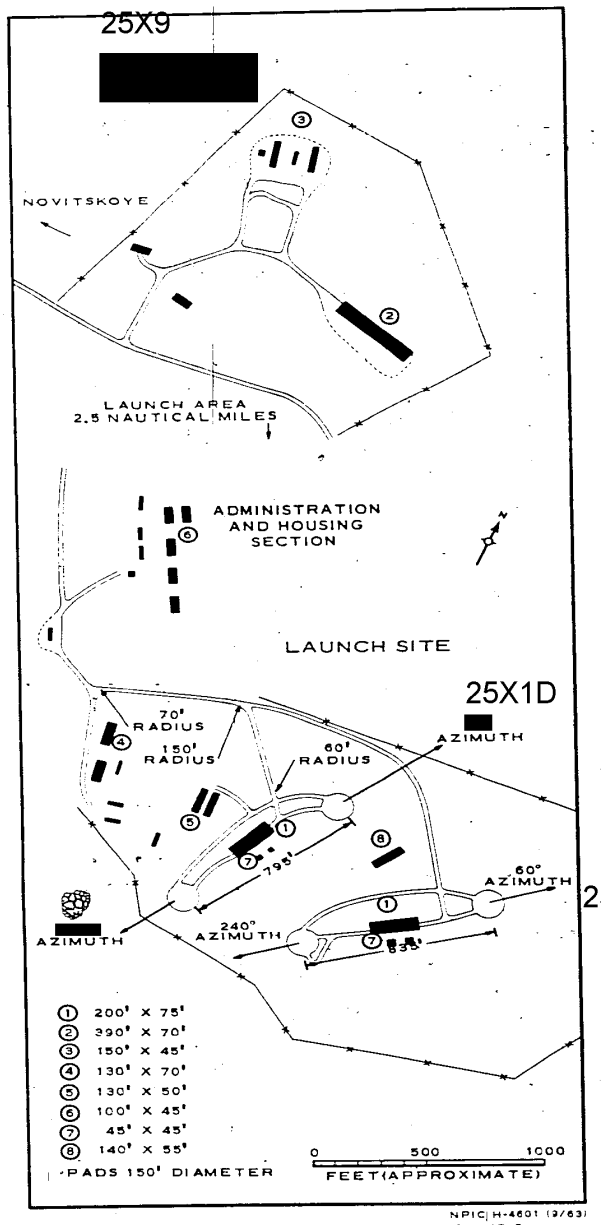

FIGURE 5. SUCHAN MRBM LAUNCH AREA NO 1.

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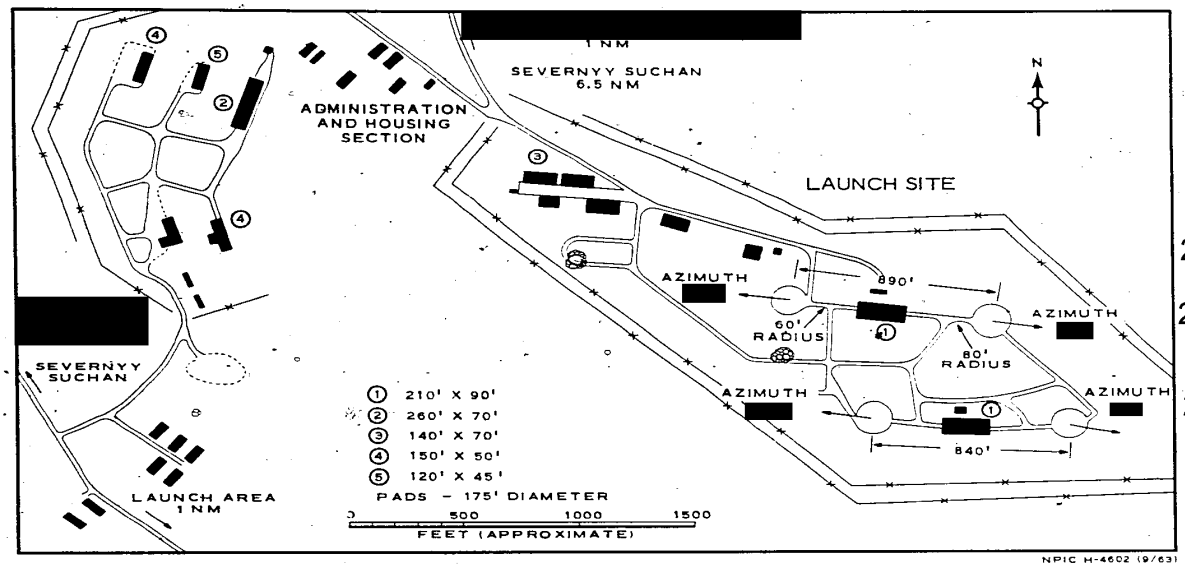

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25X1D

FIGURE 6. SUCHAN MRBM LAUNCH AREA NO 2.

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TYPE II, MRBM LAUNCH AREAS

The Type II MRBM launch area, as evidenced on photography, was probably the second phase of the USSR's soft MRBM deployment. The construction of this type of deployed launch area probably started during [redacted] and is continuing. Four areas of this type included as a part of this report are as follows:

ALUKSNE MRBM LAUNCH AREA NO 2

This road-served launch area is located 6.5 nm west of the town of Aluksne (Figures 7 and 8). There is a technical section at the launch site and an administration and housing section containing approximately seven buildings located .5 nm east-southeast of the main entrance to the launch site. The launch site appears to be secured by a single fence.

There are two possible transloading points within a 7-nm radius of the launch area. The nearest possible point is 4.5 nm to the north. Buildings are not discernible at this point and the road connection is vaguely defined. The second possible point is 6.5 nm east of the launch

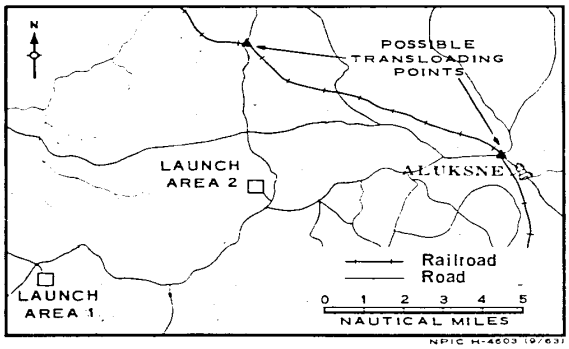

FIGURE 7. ALUKSNE MRBM LAUNCH COMPLEX, USSR.

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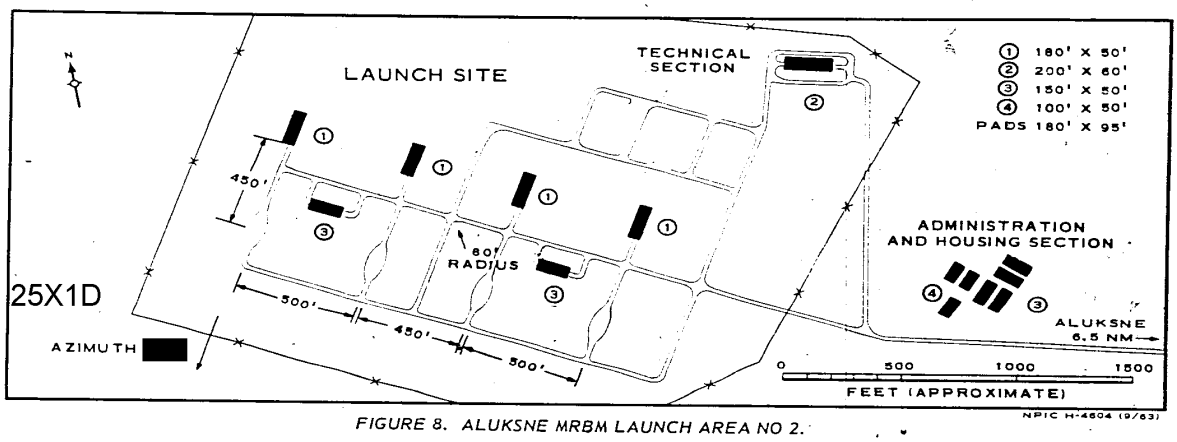

FIGURE 8. ALUKSNE MRBM LAUNCH AREA NO 2.

area, in the town of Aluksne. This area contains at least six buildings and a loop road. The road from Aluksne connects with the main entrance of the launch area.

ANASTASYEVKA MRBM LAUNCH AREA NO 2

This road-served launch area is located 26 nm northeast of Khabarovsk, 2.5 nm east of the Khabarovsk-Anastasyevka road, and 3 nm northeast of Anastasyevka Launch Area No 1 (Figures 9 and 10). An administration and housing section containing at least 23 buildings is located 3,300 feet west of the launch site. A complex support facility containing 23 buildings is located 4 nm west-southwest of the launch area. Possible POL storage is located approximately 15 nm to the southwest.

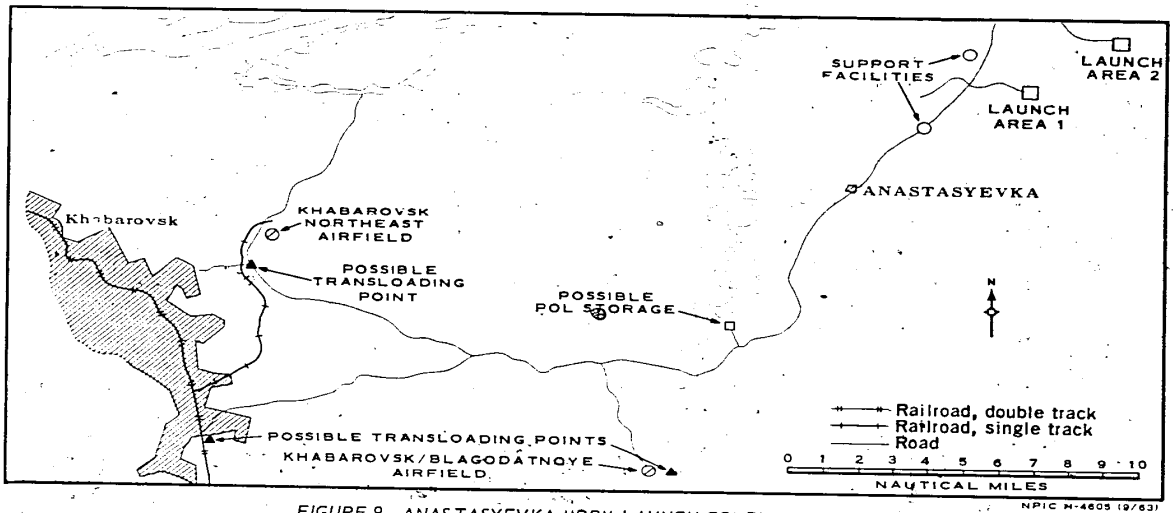

FIGURE 9. ANASTASYEVKA MRBM LAUNCH COMPLEX, USSR.

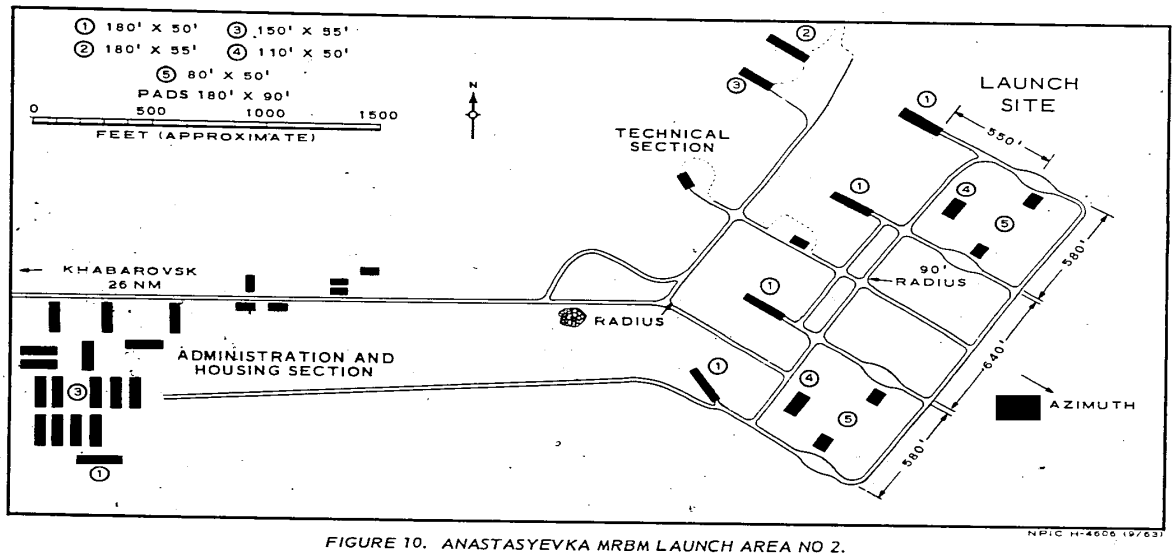

FIGURE 10. ANASTASYEVKA MRBM LAUNCH AREA NO 2.

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There are three possible transloading points located within a 30-nm radius of this launch area. The most likely transloading point is a road and rail junction located 30 nm road distance southwest of the launch area. Facilities present include two buildings, 400 by 100 feet and 280 by 100 feet. The second is a rail spur off the main rail line into Khabarovsk Northeast Airfield, 28 nm southwest of the launch area. The third possible transloading point is located 18 nm to the southwest at Khabarovsk/Blagodatnoye Airfield.

JONAVA MRBM LAUNCH AREA NO 2

Jonava Launch Area No 2 is located in a wooded area 3.5 nm south-southwest of Jonava (Figures 11 and 12). This launch area is served by a road which leads in a northerly direction and connects into the Jonava-Kaunas highway approximately 2.6 nm southwest of Jonava. An administration and housing section is located approximately .5 nm north of the launch site and contains approximately 18 buildings.

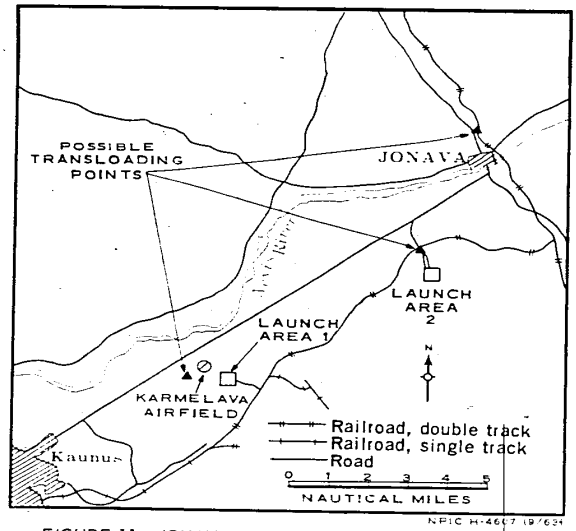

FIGURE 11. JONAVA MRBM LAUNCH COMPLEX, USSR.

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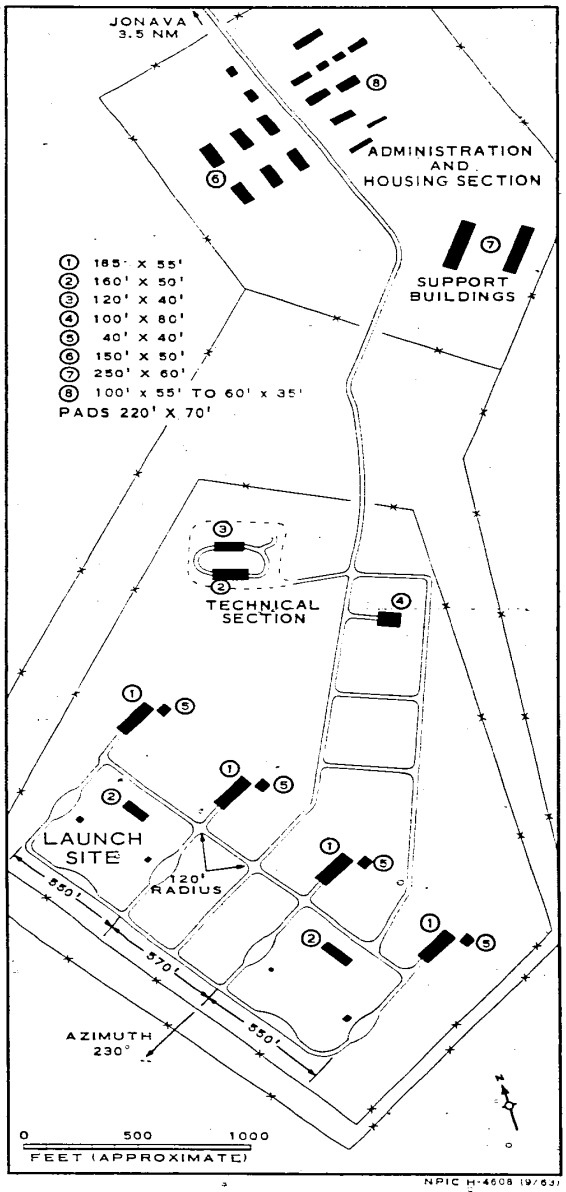

FIGURE 12. JONAVA MRBM LAUNCH AREA NO 2.

There are three possible transloading points within a 6-nm radius of this launch area. The nearest point is a road and rail junction on the Jonava-Kaunas rail line, one nm north of the launch area. A second is Karmelava Airfield, located 6 nm southwest of the launch area on the Jonava-Kaunas highway. A third possible point, containing two shed-type buildings, is a rail and road junction 3.5 nm northeast of the launch area.

ZHITOMIR MRBM LAUNCH AREA NO 2

This road-served launch area is located 1.8 nm south-southeast of Godykha and 16 nm southwest of Zhitomir (Figures 13 and 14). An administration and housing section containing approximately four buildings is located near the launch site.

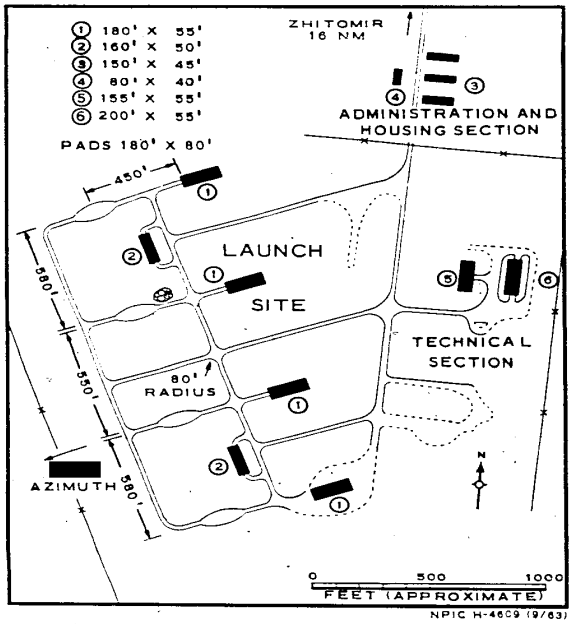

FIGURE 13. ZHITOMIR MRBM LAUNCH AREA NO 2.

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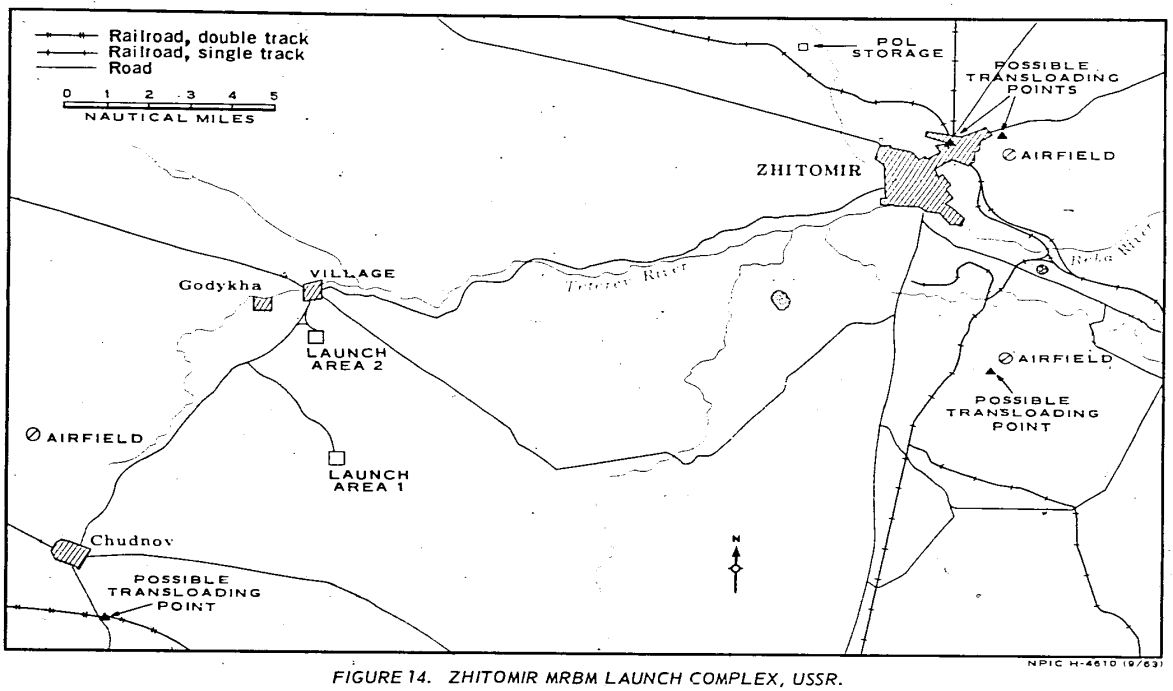

FIGURE 14. ZHITOMIR MRBM LAUNCH COMPLEX, USSR.

There are four possible transloading points within a 20-nm radius of this launch area. The most likely transloading point is located 10 nm to the southwest in a marshaling yard which contains secured storage-type buildings and a possible fuel storage area. Another possible transloading point is located 17.5 nm northeast of the launch area, in the city of Zhitomir, and is road-connected to the launch area. In addition to possible rail transloading points there are two airfields within a 20-nm radius.

TYPE III, IRBM LAUNCH AREAS

The Type III IRBM launch area, as evidenced on photography, was probably the third phase of the surface-to-surface missile deployment in the USSR. The construction of this type of deployed launch area probably started during late [redacted] and is continuing. Three launch areas of this type included as a part of this report are as follows:

KROLEVETS IRBM LAUNCH AREA NO 1

This road-served launch area is situated in a wooded area 5 nm northeast of Krolevets

25X1D

(Figures 15 and 16). An administration and housing section containing eight buildings is positioned just northeast of the launch site.

There are three possible transloading points located within a 6-nm radius of this launch area. The most likely point is a road and rail transfer point located 5.5 nm southwest of the launch area in the town of Krolevets. Facilities include at least two long shed-type buildings, each approximately 200 feet long. This possible transloading point is connected to the launch area by an all-weather road. The second possible transloading point is a rail-to-road transfer point located 2 nm west of the launch area. This point is also road-connected to the launch area but the road is poorly defined and probably is not an all-weather road. The remaining transloading point is located 3 nm northwest of the launch area. This point has no facilities and is connected to the launch area by a poorly defined secondary road.

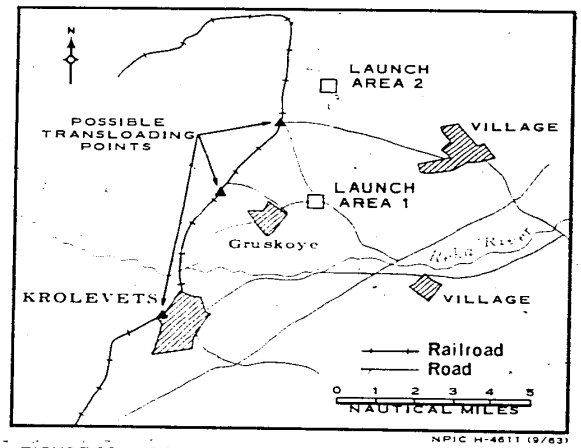

FIGURE 15. KROLEVETS IRBM LAUNCH COMPLEX, USSR.

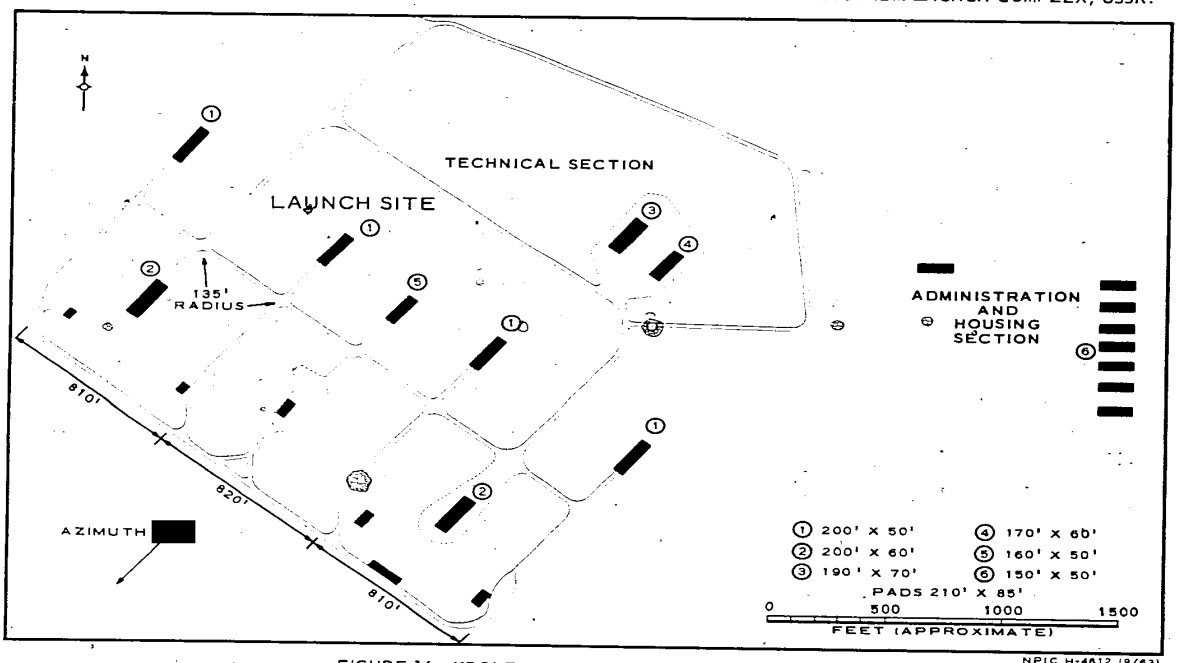

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FIGURE 16. KROLEVETS IRBM LAUNCH AREA NO 1.

GRANOV IRBM LAUNCH AREA NO 1

This road-served launch area is located in a wooded area 4 nm northwest of Granov and 8.5 nm northeast of Gaysin (Figures 17 and 18). An administration and housing section containing two large buildings and nine smaller buildings is located in the southeast corner of the launch area.

There are three possible transloading points located within a 10-nm radius of the launch area. The most likely point is rail-to-road transfer point at the end of a rail spur 4 nm northwest of the launch area. Facilities present at this point include seven large buildings, of which five are 220 by 40 feet and the remaining two are 280 by 50 feet. The second possible point is located 9 nm northeast of the launch area. Facilities present include five buildings, three of which are 200 by 50 feet. This point is road-connected to the launch area. The third possible road and rail transloading point is located one nm south of Gaysin and 9.5 nm southwest of the launch area.

NOVOSYSOYEVKA IRBM LAUNCH AREA NO 1

This road-served launch area is located 4 nm southeast of Novosysoyevka and 10 nm northeast of Semenovka (Figures 19 and 20), with the administration and housing section located at the entrance to the launch site. The access road leads from Novosysoyevka to the launch area.

There are four possible transloading points

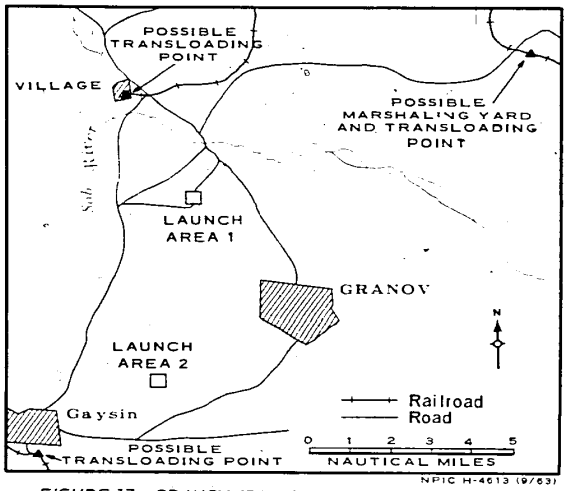

FIGURE 17. GRANOV IRBM LAUNCH COMPLEX, USSR.

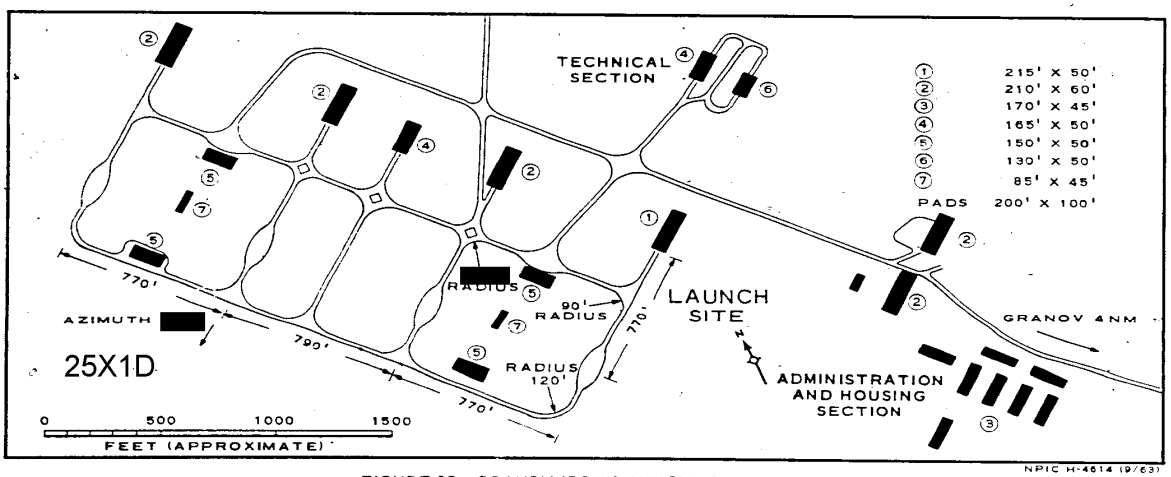

FIGURE 18. GRANOV IRBM LAUNCH AREA NO 1.

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located within a 5-nm radius of this launch area. The closest possible transloading point is located 4 nm west of the launch area and one nm west of the Arsenyev Ordnance Depot, Sysoyevka, and the Arsenyev Ammunition Depot East. Facilities at these depots include 90 storage buildings. There is another possible transloading point located 4 nm northwest of the launch area in Novosysoyevka. In addition to these points there are two airfields that could possibly serve this launch area. They are Novosysoyevka Airfield, 3 nm west of the launch area, and Varfolomeyevka South Airfield, located 4.5 nm to the north.

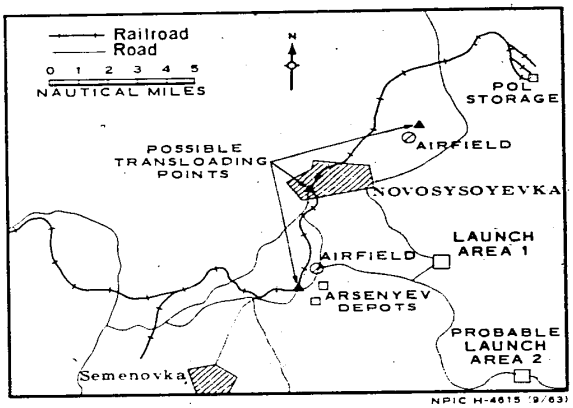

FIGURE 19. NOVOSYSOYEVKA IRBM LAUNCH COMPLEX, USSR.

CONCLUSIONS

The facilities present at each of these launch areas vary depending on the type of launch area. In all examples there is an administration and housing section associated with the launch area

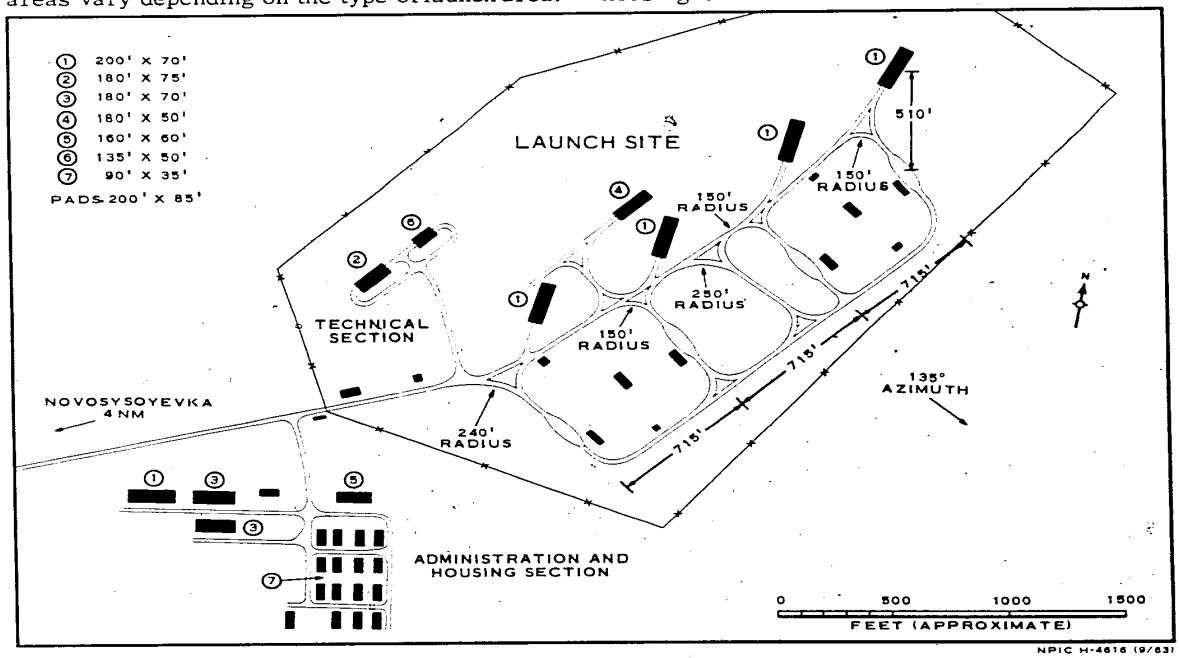

FIGURE 20. NOVOSYSOYEVKA IRBM LAUNCH AREA NO 1.

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and in two examples there is a possible or confirmed complex support facility within 4 nm of the launch area. In each of the Type I launch area

[redacted]

facility. Security measures are not discernible at four of these launch areas; however, the majority have at least one security fence.

At the present time NPIC has not positively identified a rail-to-road transfer point or airfield associated with any of these selected launch areas. All rail-to-road transloading points discussed in this report are those rail and road crossings or rail yards with a possible road connection to the launch areas. These facilities may or may not be utilized as missile transloading facilities.

NPIC/R-230/63

REFERENCES

PHOTOGRAPHY

Mission	Dates	Classification
25X1D [redacted]		TOP SECRET RUFF
		TOP SECRET RUFF
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MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0282-22HL, 2d ed, Jan 63, scale 1:200,000 (SECRET)
SAC. US Air Target Chart, Series 200, Sheet 0282-21A, 2d ed, Jul 59, scale 1:200,000 (SECRET)
SAC. US Air Target Chart, Series 200, Sheet 0168-7A, 1st ed, Jul 57, scale 1:200,000 (SECRET)
SAC. US Air Target Chart, Series 200, Sheet 0204-22A, 1st ed, Feb 59, scale 1:200,000 (SECRET)
SAC. US Air Target Chart, Series 200, Sheet 0233-12A, 1st ed, Aug 57, scale 1:200,000 (SECRET)
SAC. US Air Target Chart, Series 200, Sheet 0233-5HL, 2d ed, Jun 62, scale 1:200,000 (SECRET)
SAC. US Air Target Chart, Series 200, Sheet 0291-7AL, 2d ed, Aug 61, scale 1:200,000 (SECRET)
SAC. US Air Target Chart, Series 200, Sheet 0153-18AL, 2d ed, Nov 59, scale 1:200,000 (SECRET)
SAC. US Air Target Chart, Series 200, Sheet 0233-18A, 2d ed, Jun 58, scale 1:200,000 (SECRET)

DOCUMENT

1. NPIC. R-22/63, Deployment of MRBM and IRBM Launch Sites in the USSR, Mar 63 (TOP SECRET RUFF)

REQUIREMENT

CIA. DDI/RR/E/R-37/62

NPIC PROJECT

JN-103/62