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TCS-80631/65

May 1965

PHOTOGRAPHIC INTERPRETATION REPORT

# PROBABLE SAM LAUNCH AREA



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## KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

DECLASS REVIEW BY NIMA / DoD



CIA



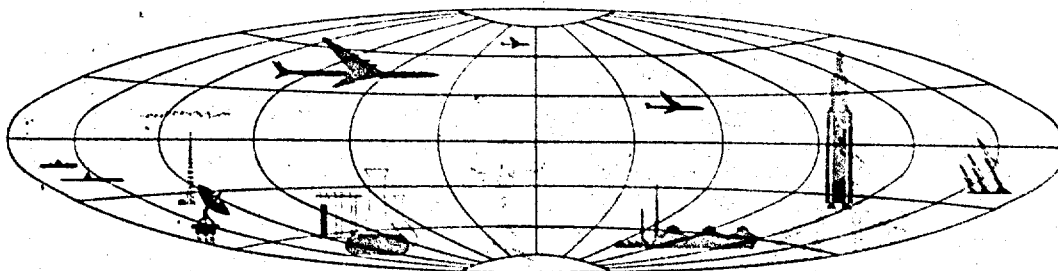
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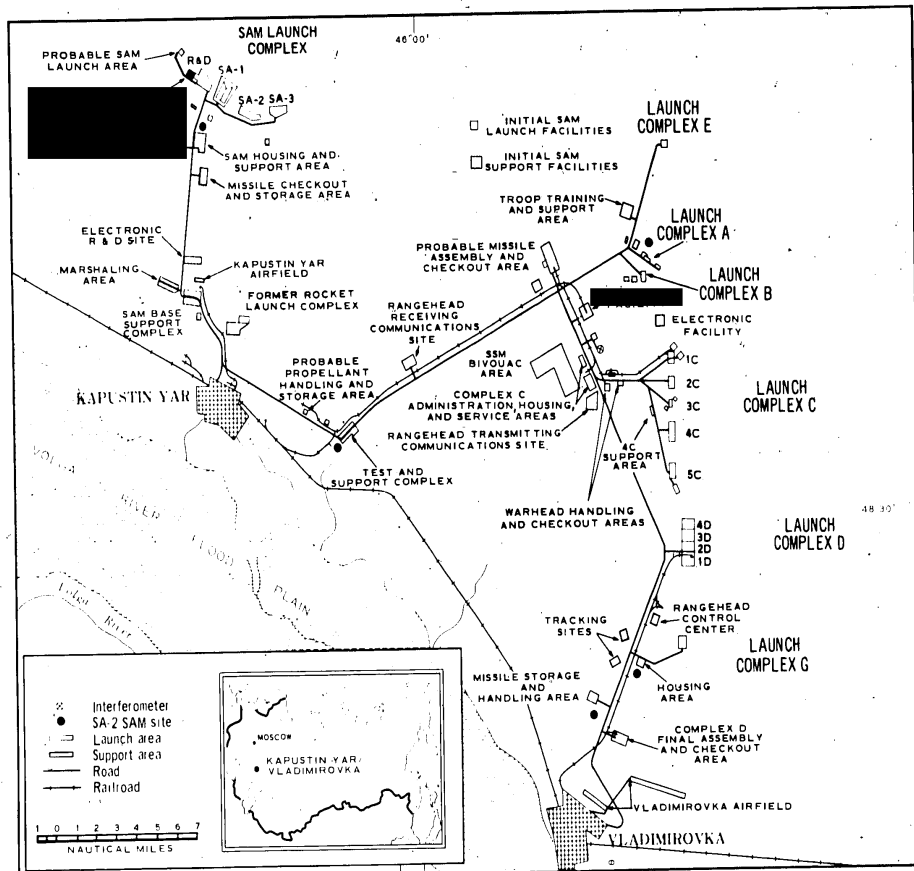


FIGURE 1. KAPUSTIN YAR VLADIMIROVKA MISSILE TEST CENTER.

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This report has been prepared in response to CIA requirement C-RR5-82,280, which requests a detailed analysis of continuing construction at 2 areas of the Surface-to-Air Missile (SAM) Launch Complex of the Kapustin Yar/Vladimirovka Missile Test Center (Figure 1). These areas are a probable SAM launch area (reported on previously 1/), situated northwest

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study of KEYHOLE coverage [redacted] been made for the purposes of this report.

**PROBABLE SAM LAUNCH AREA**

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The probable SAM launch area (Figures 2 and 3) was first identified in [redacted]. It was not present in [redacted]. The majority of the facilities were complete or under construction by [redacted] as shown in Figure 3. Most of the features identified since [redacted] were identified primarily as a result of [redacted] that is, some of these features possibly were present before the [redacted] coverage.

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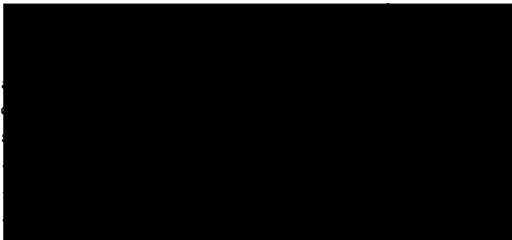
The area is enclosed by a single fence. Table 1 provides a general description, with dimensions, of most of the structures in the area. Other facilities include 2 self-supporting lattice towers approximately 30 feet high (identified on [redacted] which are probably transmission towers. The towers are in the southeast corner of the area, adjacent to a possible transformer yard, and are connected by a row of transmission towers to the SAM housing and support area. Although the irregularly shaped structure (Figure 4 and item 1, Figure 3) in the center of the loop road pattern appears possibly to be electronic associated, its drive-through capability is not typical of any electronic facility (except for a SAM guidance area, which

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is often drive-through). The hardstands or aprons (described previously 1/), adjacent to each side of the irregularly shaped structure, do not present a clear image on [redacted] coverage, possibly because of the phenomenon which causes roads and trails to show up black on photography of snow-covered areas. Because of their indistinctness, the hardstands or aprons were not remeasured on the [redacted] coverage and are shown by dashed lines in Figure 3.

The number of mounded and revetted structures and the relatively large revetment within the loop road suggests protection from the use of explosives or against radiation. Identification of a possible conveyer on [redacted] may be an indication that the area is still under construction.

No launch positions could be identified at the area. Its layout does not appear to be comparable to that of known prototype missile launch sites -- that is, positions of buildings, e.g., the probable clerestory building (item 11, Figure 3), and the position of the loop road. The major reason that the area has been tentatively identified as a probable SAM launch area is its location relative to the SAM Launch Complex launch line. The area also possibly could be a new electronics complex. Because of the inconclusive evidence as to the exact nature of the area, an unqualified analysis of the operation being carried out there cannot be made at this time.



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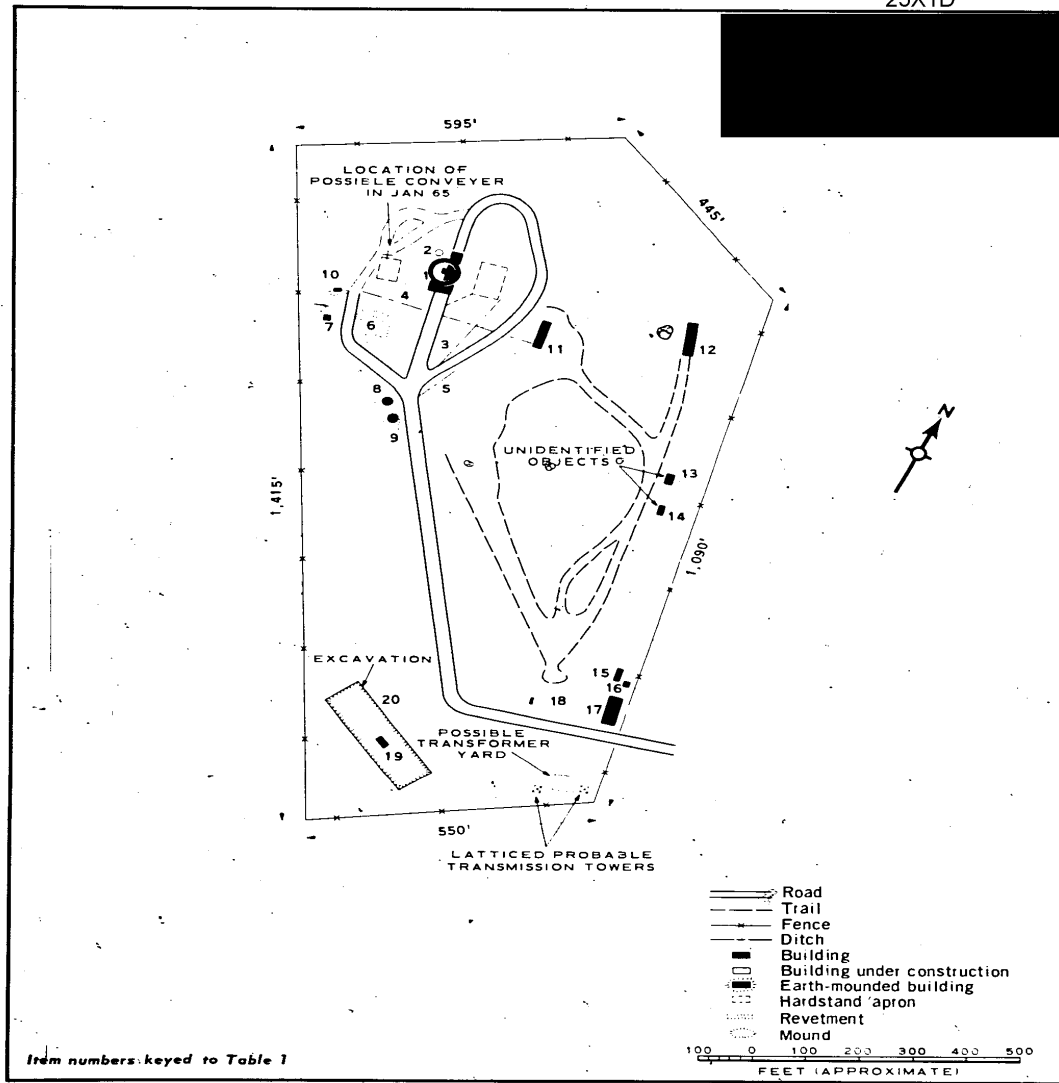


FIGURE 3. LAYOUT OF PROBABLE SAM LAUNCH AREA.

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Table 1. Data on Facilities at Probable SAM Launch Area  
(Item numbers are keyed to Figure 3)

Item No	Description	Dimensions (ft)	Item No	Description	Dimensions (ft)
1	Irregularly shaped structure	See Figure 4	9	Revetment	15 x 15 (outside dimensions)
2	Probable tower	160-190 (height indefinite because of shadow cast by item 1)	10	Possible mounded building	25 x 25
3	Ditch	170	11	Single-story building, probably clerestory	55 x 15
4	Ditch	310	12	Gable-roofed single-story building	75 x 20
5	Ditch	65	13	Unidentified structure	20 x 15
6	Revetment	Walls -- length x thickness: 50 x 10 55 x 10 55 x 10 25 x 10 20 x 10	14	Unidentified structure	20 x 15
7	Building unidentified structure	15 x 15	15	Single-story shed	25 x 15
8	Revetment	15 x 15 (outside dimensions)	16	Single-story shed	15 x 10
			17	Gable-roofed multi-story building	55 x 35
			18	Earth-mounded building	15 x 10
			19	Probable building	25 x 20
			20	Excavation	260 x 80

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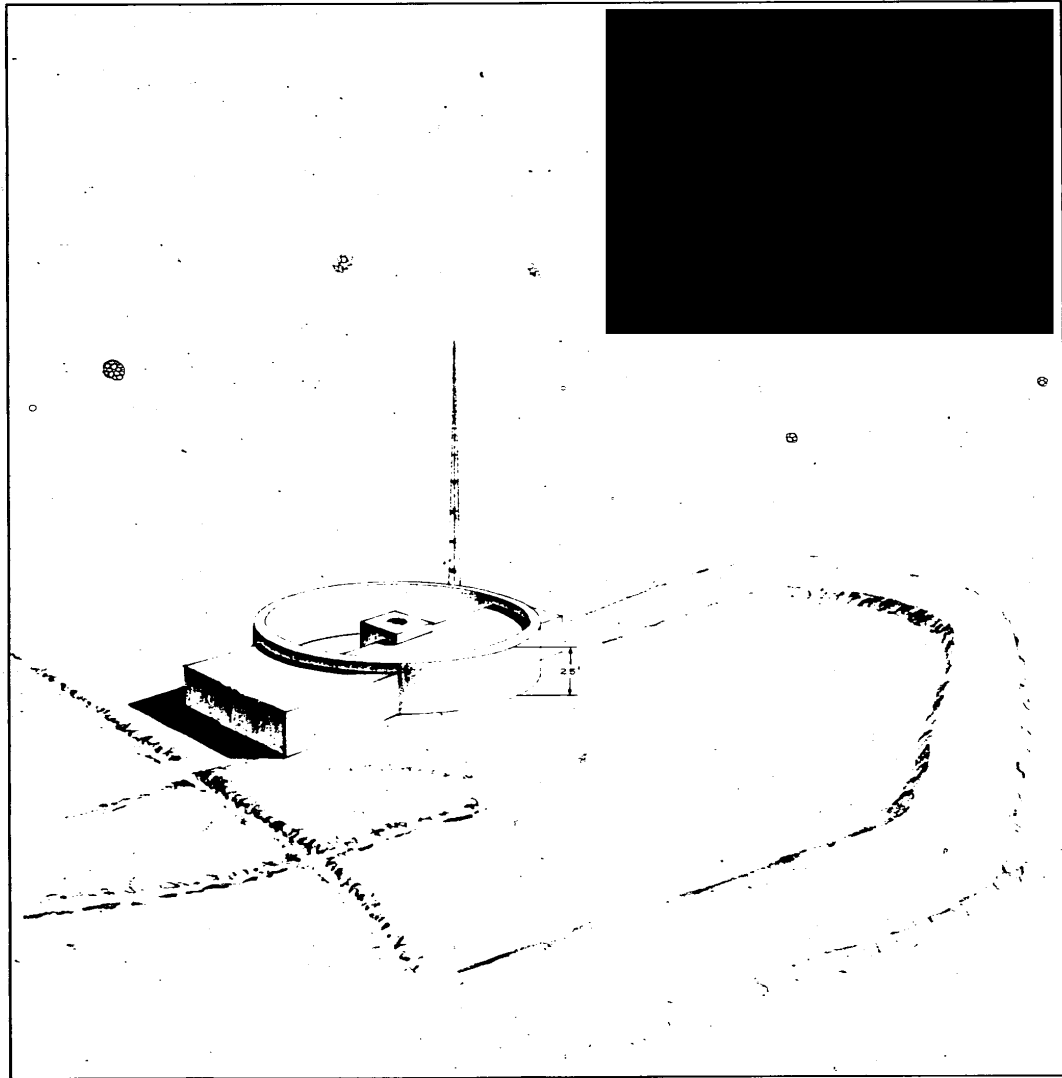


FIGURE 4. IRREGULARLY SHAPED STRUCTURE, PROBABLE SAM LAUNCH AREA.

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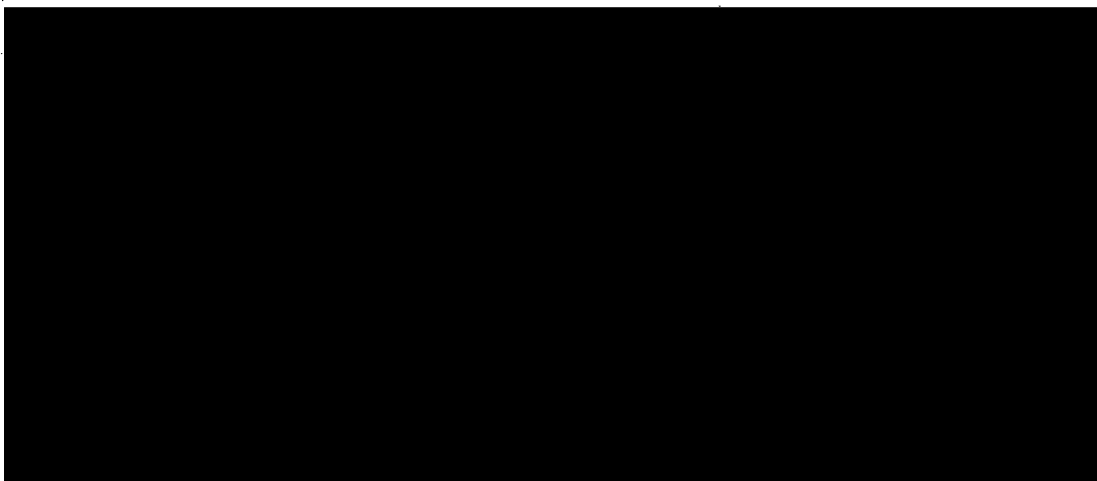
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REFERENCES

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MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0235-17A, 2d ed, Feb 60, scale 1:200,000 (SECRET)

ACIC. US Air Target Chart, Series 200, Sheet 0235-22HL, 4th ed, May 63, scale 1:200,000 (SECRET)

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REQUIREMENT

CIA. C-RR5-82.280

NPIC PROJECT

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