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PHOTOGRAPHIC INTERPRETATION REPORT



SVERDLOVSK-TYUMEN,
SVERDLOVSK-KURGAN, AND
SVERDLOVSK-CHELYABINSK
TELEVISION/MICROWAVE
RELAY LINES
USSR

[Redacted]

25X1

MAY 1969

COPY 120

6 PAGES

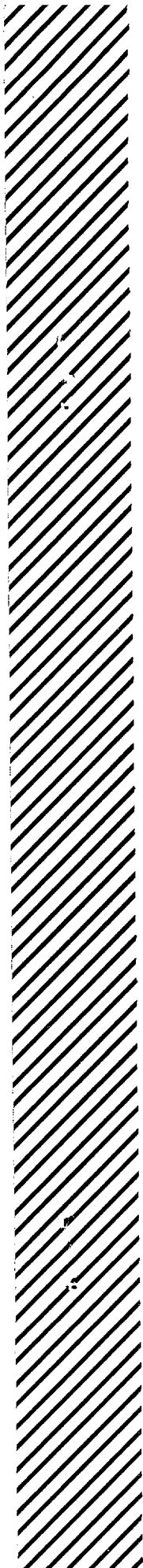
25X1

[Redacted]

Declass Review by NIMA/DOD

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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INSTALLATION OR ACTIVITY NAME Sverdlovsk-Tyumen, Sverdlovsk-Kurgan, and Sverdlovsk-Chelyabinsk Television/Microwave Relay Lines			COUNTRY UR	
UTM COORDINATES NA	GEOGRAPHIC COORDINATES See Below	FILE NUMBER See Below	COMIREX NO. None	NIETB NO. See Below
MAP REFERENCE ACIC. USAF Jet Navigation Chart, Sheet JN-11N, 5th classified ed, scale 1:2,000,000 (CONFIDENTIAL)				25X1A
LATEST IMAGERY USED See Below		NEGATION DATE (if required) NA		
REQUIREMENT NSA/SOC/R-123-69 NSA/SOC/R-132-69		NPIC PROJECT 250386		

ABSTRACT

This report locates and describes 15 television/microwave facilities comprising three microwave relay lines which link the city of Sverdlovsk with Tyumen to the east, Kurgan to the southeast, and Chelyabinsk to the south.

INTRODUCTION

Collateral reports have indicated the existence of microwave relay lines extending from Chelyabinsk north to Sverdlovsk, from Chelyabinsk east to Kurgan, from Tyumen south to Kurgan, and from Tyumen west to Sverdlovsk. A search of photography reveals the presence of 1) a television/microwave line extending from Sverdlovsk east to Tyumen, 2) a television/microwave line extending from Sverdlovsk southeast to Kurgan where a television/microwave transmitting tower is located, and 3) a microwave relay line extending from Sverdlovsk south to Chelyabinsk (Figure 1). No evidence is found of a line from Tyumen to Kurgan or from Chelyabinsk to Kurgan.

The entire search area is covered by [redacted] photography of fair-to-good inter-pretability. The cities of Sverdlovsk, Kurgan, and Chelyabinsk are also covered by

[redacted]

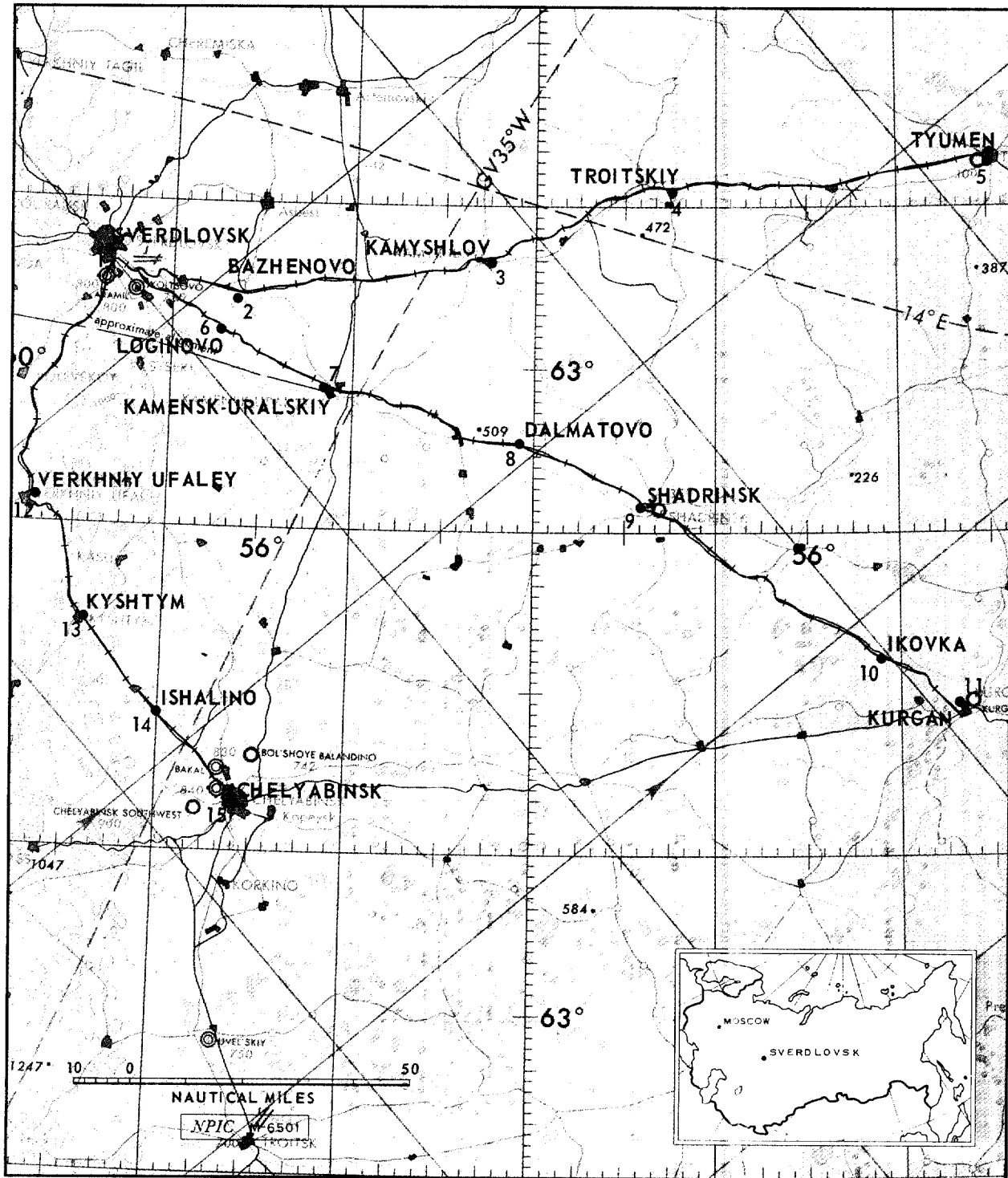


FIGURE 1. LOCATION MAP

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BASIC DESCRIPTION

The following are the only communications or electronics facilities observed in the search area. Tower heights are considered accurate to within plus or minus 20 feet. The orientation of the microwave elements cannot be determined from the photography. Photographs of representative installations are shown in Figure 2.

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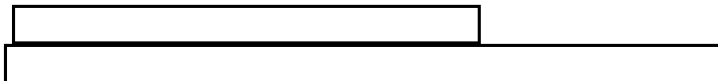


2. Bazhenovo Microwave Facility

56-43-15N 061-21-10E

25X1A

25X1D



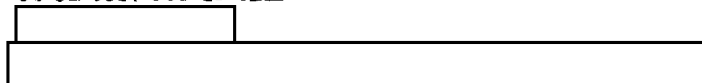
This facility is secured and consists of one 250-foot self-supporting lattice-type microwave tower, a control building, and two support buildings. The small scale of the photography precludes identification of microwave elements.

3. Kamyshlov Microwave Facility

56-51-05N 063-43-02E

25X1A

25X1D



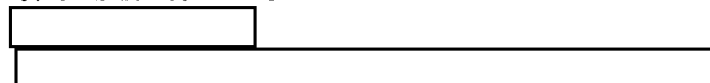
This secured area contains one self-supporting lattice-type tower and one support building. The small scale of the photography precludes determination of tower height and identification of microwave elements.

4. Troitskiy Microwave Facility

57-03-40N 063-47-40E

25X1A

25X1D



This secured facility consists of one self-supporting lattice-type microwave tower and one control building. The small scale of the photography precludes determination of tower height and identification of microwave elements.

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5. Tyumen Probable TV/Microwave Facility

57-13-20N 065-29-55E

25X1A
25X1D

[Redacted]

This area is secured and contains one probable self-supporting microwave tower, a probable control building, and one support building. The interpretability of the photography is not good enough for positive identification of the facility.

6. Loginovo Microwave Facility

56-35-30N 061-18-35E

25X1A
25X1D

[Redacted]

This secured area contains one 315-foot self-supporting lattice-type microwave tower, a control building, and one support building. The small scale of the photography precludes identification of microwave elements.

7. Kamensk-Uralskiy Microwave Facility

56-26-05N 061-50-15E

25X1A
25X1D

[Redacted]

This secured facility consists of one 265-foot self-supporting lattice-type microwave tower, one control building, and one support building. The small scale of the photography precludes identification of microwave elements.

8. Dalmatovo Microwave Facility

56-15-45N 062-50-00E

25X1A
25X1D

[Redacted]

The area is secured and contains one 185-foot self-supporting lattice-type microwave tower, one control building, and two support buildings. The small scale of the photography precludes identification of microwave elements.

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25X1D



12. Verkhniy Ufaley Microwave Facility

56-04-20N 060-15-20E

[Redacted]
[Redacted]

25X1A
25X1D

This secured facility is located on high ground and consists of a microwave tower 175 feet high and a control building. The small scale of the photography precludes identification of microwave elements.

13. Kyshtym Probable TV/Microwave Facility

55-42-20N 060-32-40E

[Redacted]
[Redacted]

25X1A
25X1D

This facility, located on a main street in the center of the city, consists of a probable lattice-type TV/microwave tower 290 feet high with four possible buildings. The small scale of the photography precludes identification of microwave elements.

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14. Ishalino Microwave Facility

55-25-00N 060-59-30E

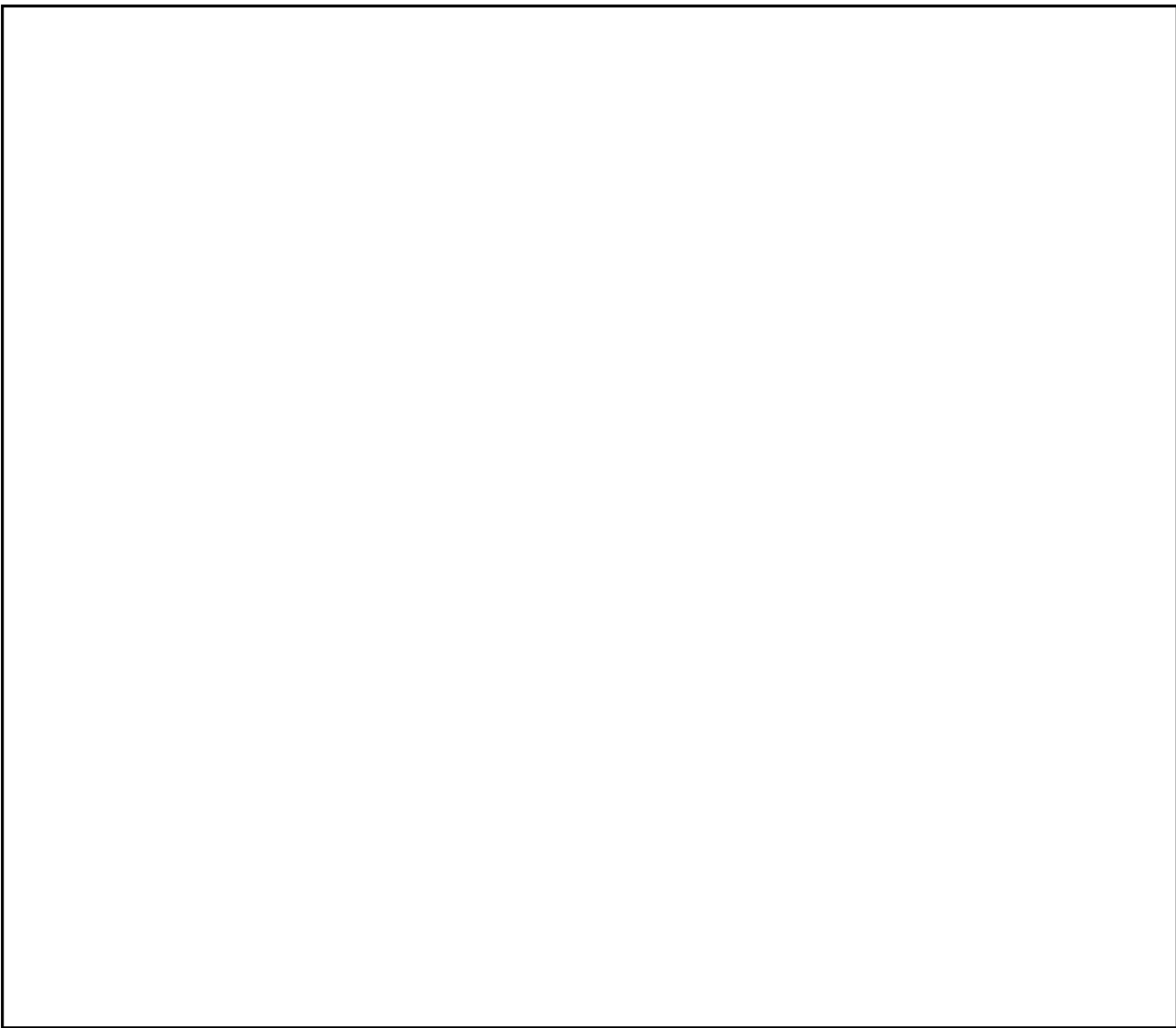
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25X1D

[Redacted]

[Redacted]

25X1D

The secured facility consists of one self-supporting steel lattice tower 290 feet high and one control building. The small scale of the photography precludes identification of microwave elements.



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