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PHOTOGRAPHIC INTERPRETATION REPORT

S-10221

# UNUSUAL GROUND SCARS IN SIBERIA, USSR



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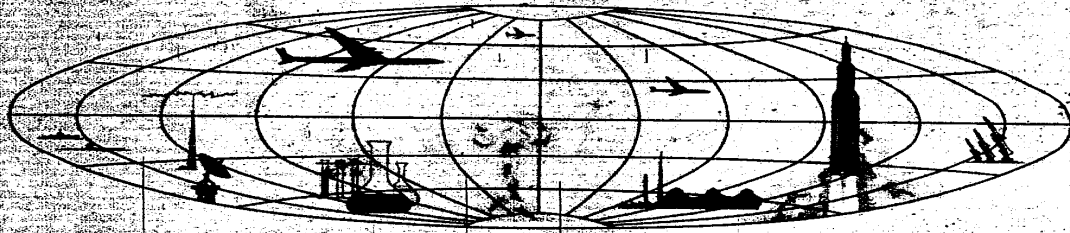


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UNUSUAL GROUND SCARS IN SIBERIA, USSR

This report has been prepared in order to provide information useful in determining the function of 15 straight-line ground scars unusual for their location in remote areas of Siberia, USSR (Figure 1). Nine of the scars were first identified in April 1962 and six in April 1963 on KEYHOLE photography.

The scars consist of straight, narrow clearings of vegetation in which the ground surface is disrupted (Figures 2, 3, 4). Their approximate length varies from 0.4 nautical miles (nm) to 8.6 nm, with nine scars between 3.0 and 5.5 nm in length (Table 1). Terrain apparently has not been a factor in the positioning of the scars, for a number of them cross ditches, streams,

and hills. It appears possible that visibility from end to end in each scar may be unimpeded; in some cases visibility has been achieved by the use of a tower at one or both ends of the scar.

Thirteen of the scars are close to the great circle path from the Tyura Tam Missile Test Center (TTMTC) to the Uka/Klyuchi impact area and from the TTMTC to the Pacific Ocean impact area near Johnston Island and the Hawaiian Islands. The other two scars, located north of the Arctic Circle, cannot by their location be associated with a known impact area.

Nine of the scars, those identified in April 1962, have been previously designated possible electronics sites. 1/

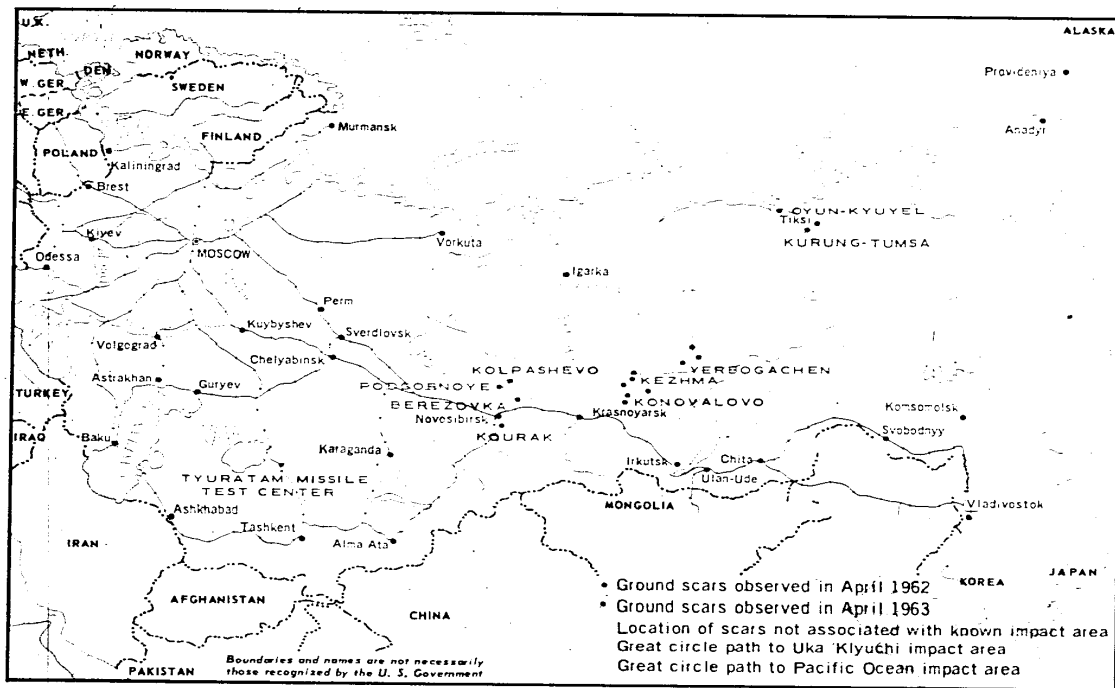


FIGURE 1. LOCATION OF GROUND SCARS IN SIBERIA, USSR.

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FIGURE 2. GROUND SCAR NEAR KOURAK, USSR, APRIL 1963.

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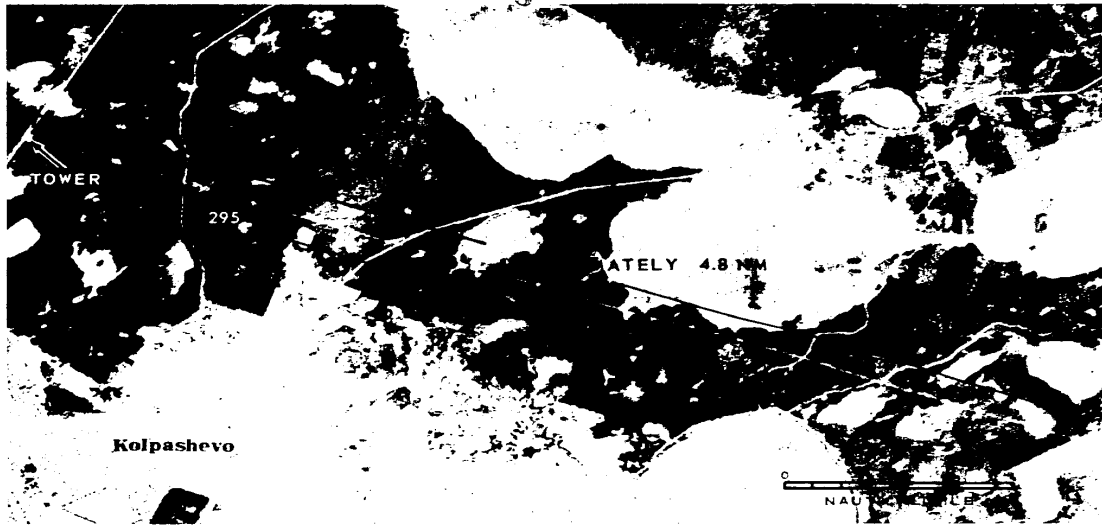


FIGURE 3. GROUND SCAR NEAR KOLPASHEVO, USSR, APRIL 1963.

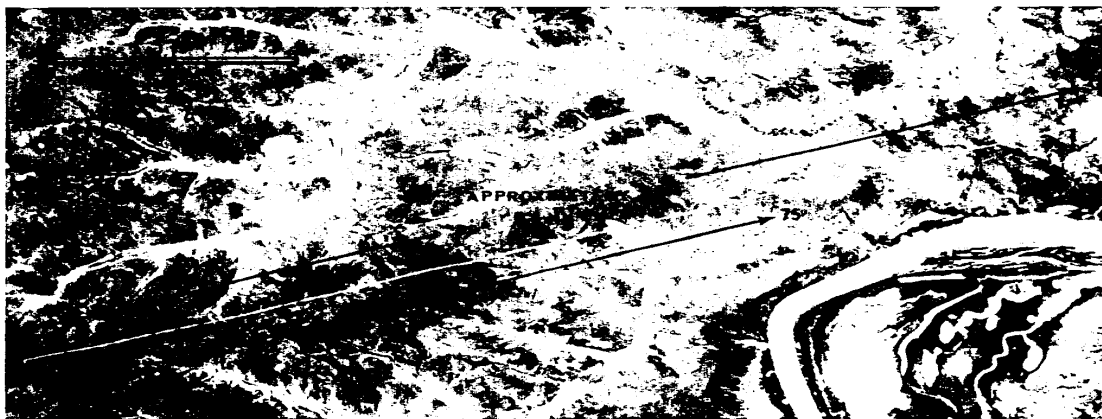


FIGURE 4. GROUND SCAR 10 NM SSW OF YERBOGACHEN, USSR, APRIL 1962.

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Table 1. Data on Ground Scars

Location of Ground Scar	Designation Given Scar in Previous Report 1	Coordinates of Approx Midpoint of Scar	WAC No	Approx Longitudinal Orientation (degrees)	Approx Length (nm)	Remarks
10 nm SSW of Yerbogachen	Yerbogachen Area, Possible Electronics Site 1	61-06N 107-50E	126	075 255	8.6	
25 nm WSW of Yerbogachen	Yerbogachen Area, Possible Electronics Site 2	61-12N 107-07E	126		0.4	
104 nm SW of Yerbogachen	Yerbogachen Area, Possible Electronics Site 3	60-35N 104-42E	126		5.3	200-ft-diameter (approx) circular clearing at each extremity
8 nm W of Konovalovo	Konovalovo Area, Possible Electronics Site	58-29N 99-30E	127		1.2	
20 nm SW of Konovalovo	Konovalovo Area, Possible Electronics Site	57-20N 99-13E	127		3.8	Probable tower in 230-ft-diameter clearing at each extremity
51 nm NE of Konovalovo	Konovalovo Area, Possible Electronics Site	57-53N 101-10E	127	020 200	4.0	Probable structure at each extremity
38 nm W of Kezhma	Kezhma Area, Possible Electronics Site	59-02N 99-52E	127		3.3	Tower in 185-ft-diameter clearing at each extremity
59 nm WSW of Kezhma	Kezhma Area, Possible Electronics Site	58-46N 99-13E (coordinates of point half-way between midpoints; see Remarks)	127		1.5	Consists of 2 parallel scars approx 2 nm apart
64 nm W of Kezhma	Kezhma Area, Possible Electronics Site	58-52N 99-00E (coordinates of junction of scars; see Remarks)	127		1.0 0.8	Consists of 2 scars at right angle forming "L"

(see Remarks) (see Remarks)

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Table 1. (Continued)

Location of Ground Scar	Designation Given Scar in Previous Report 1	Coordinates of Approx Midpoint of Scar	WAC	Approx Longitudinal Orientation (degrees)	Approx Length (nm)	Remarks
5 nm NW of Kurung-Tumsa	NA	69-08N 134-12E	68		5.0	Possible tower at north extremity; several stream crossings by scar indicate a possible aboveground cable
12 nm N of Oyan-Kyuyel	NA	69-15N 138-20E	67		1.9	
1.5 nm NE of Kolpashovo	NA	58-20N 82-57E	158	115 295	4.8	Tower in 225-ft-diameter (approx) circular clearing at NW extremity; 185-ft-diameter (approx) circular clearing at SE extremity
6 nm NE of Podgornoye	NA	57-49N 82-45E	158		5.5	
6.5 nm NNW of Berezovka	NA	57-13N 85-21E	158	155 335	3.0	Structure in 260-sq-ft (approx) clearing at NW extremity; 80-to-100-ft-diameter (approx) clearing at SE extremity
2.1 nm S of Kourak	NA	54-16N 84-41E	161	135 315	3.8	Irregularly shaped clearing at SE extremity contains several unidentified objects

<sup>1</sup>Except for the Kurung-Tumsa area scar, all scars appeared on first coverage as described herein. The first 9 scars listed were identified when first covered; the remaining 6 were identified on [redacted]. There is no coverage on which the presence of the scars can definitely be negated, with the exception of TALENT Mission B 1015, on which the presence of the Berezovka area scar can be negated.

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### REQUIREMENT

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### NPIC PROJECT

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