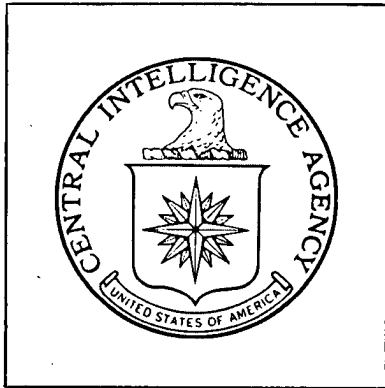


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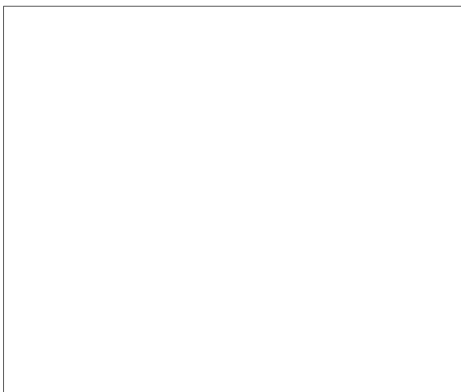
**DIRECTORATE OF
INTELLIGENCE**

**Industrial Facilities
(Non-Military)**

Basic Imagery Interpretation Report

Chang-shou Synthetic Rubber Plant

Chang-shou, China



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DATE DECEMBER 1971

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CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

INSTALLATION OR ACTIVITY NAME		COUNTRY
Chang-shou Synthetic Rubber Plant		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	[REDACTED]
48RYH025999	29-49-00N 107-05-20E	
MAP REFERENCE		
15th RTS. USATC, Series 200, Sheet M0495-15HL, 2nd ed, Apr 65. Scale 1:200,000 (SECRET, [REDACTED])		
LATEST IMAGERY USED	NEGATION DATE (If required)	
[REDACTED]	NA	

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ABSTRACT

Chang-shou Synthetic Rubber Plant has been identified by collateral sources as a producer of chloroprene, a type of synthetic rubber. This cannot be confirmed from photography. However, the plant contains facilities which appear to be capable of producing calcium carbide, hydrogen chloride, acetylene, and vinyl-acetylene. These are the necessary intermediates in the production of chloroprene.

In June 1963, when the plant was first seen on photography, most of the production facilities were present. Since that time, an unidentified production area has been added and some minor plant expansion has occurred.

The plant was operating on all coverages between June 1963 and April 1971.

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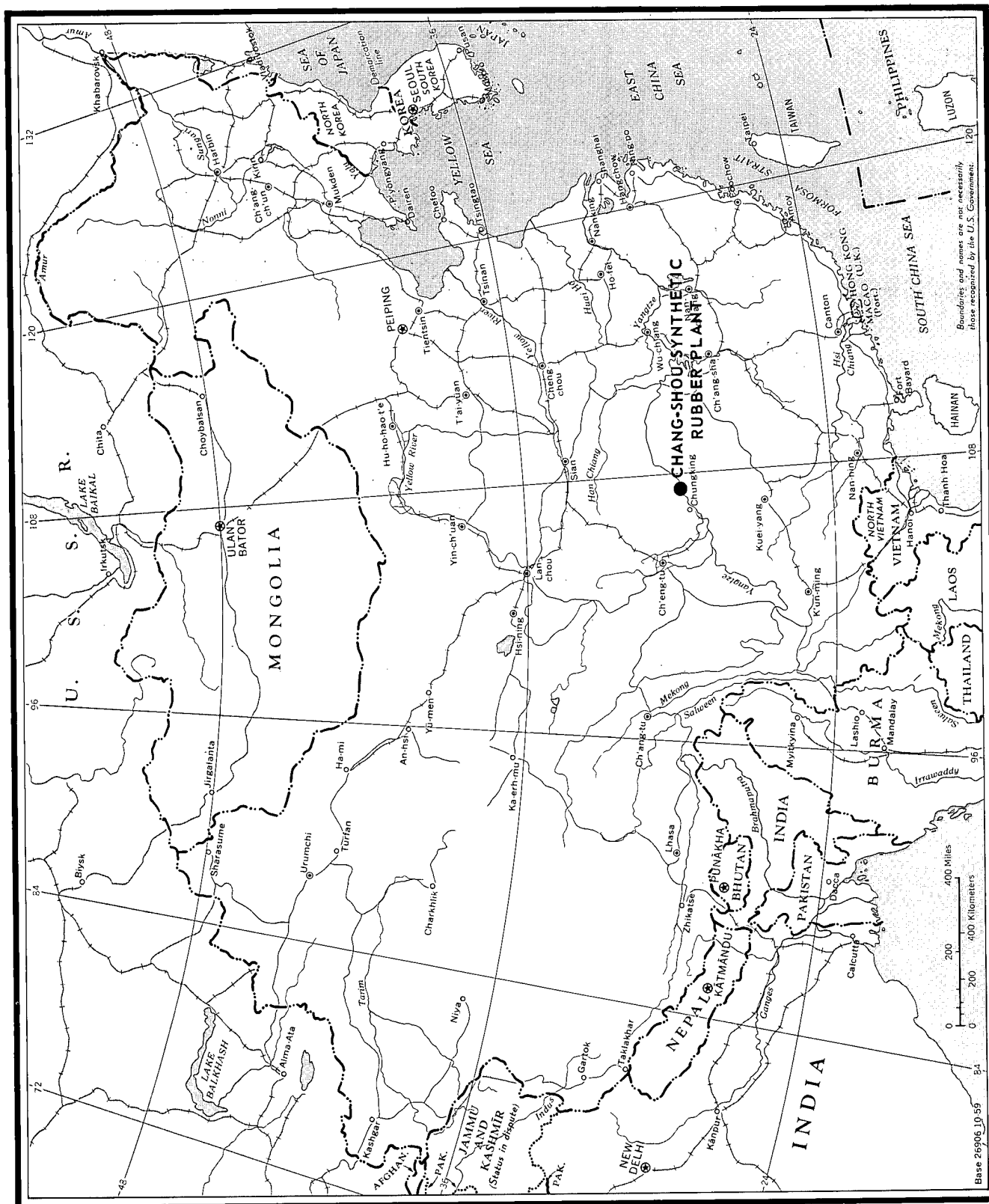


FIGURE 1. LOCATION MAP.

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INTRODUCTION

Chang-shou Synthetic Rubber Plant is located 1 nautical mile southeast of the center of Chang-shou, in Szechwan Province (see Figure 1). It is situated on the north bank of the Yangtze River. Electric power is supplied to the facility by the regional grid.

According to collateral reports, this plant produces chloroprene, a type of synthetic rubber. The plant was reportedly operating by 1960 and had an annual capacity of 5,000 tons. 1,2/

BASIC DESCRIPTION

The plant occupies an irregular shaped area measuring approximately 4,320 by 2,160 feet and containing about 215 acres (see Figure 2). The northern and eastern sides of the plant are secured by a wall, the western side is poorly defined, and the southern side is near the top of a ridge which slopes sharply down to the river. The plant is served by a good all-weather road system. Barge loading and unloading facilities are located on the nearby river.

The production processes at this plant cannot be firmly identified nor can chloroprene production be confirmed from photography. However, the plant contains facilities which appear to be capable of producing calcium carbide, hydrogen chloride, acetylene, and vinylacetylene. These are the necessary intermediates in the production of chloroprene. If these intermediates are produced, chloroprene could be made in the unidentified production area (Area F), adjacent to the possible vinylacetylene area (Area E). The plant contains two additional unidentified production areas.

Most of the production facilities were present in June 1963 when the plant was first seen on photography. Unidentified production facilities were constructed in Area G between June 1963 and August 1969. Since that time only minor plant expansion has been observed.

The plant was in operation on all coverages between June 1963 and April 1971.

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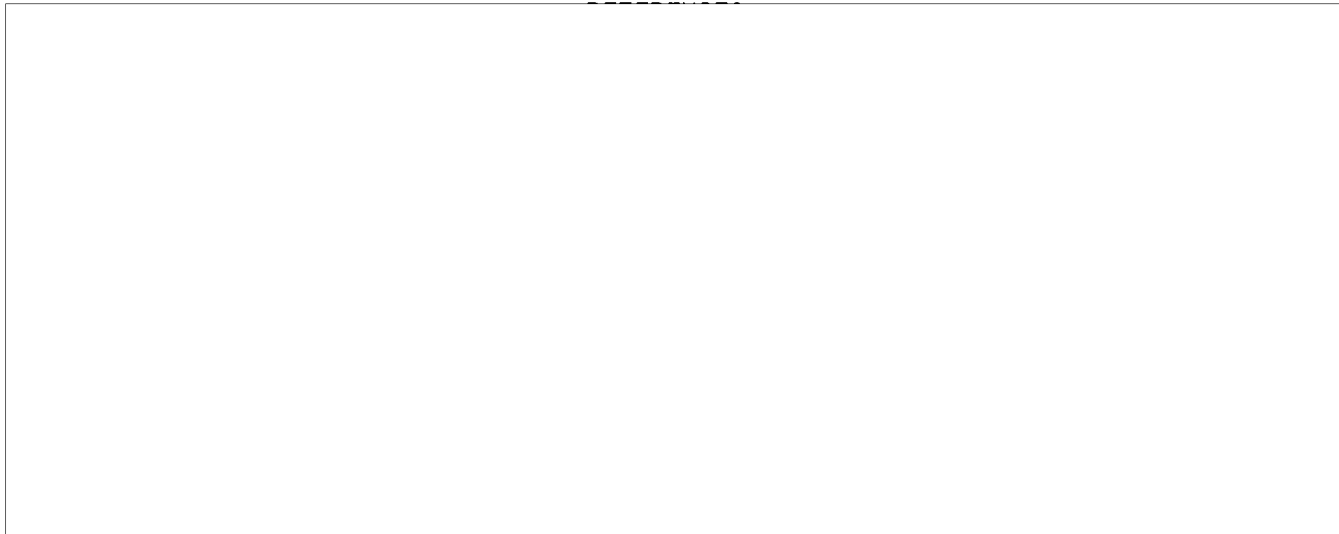
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Map

15th RTS. US Air Target Chart, Series 200, Sheet M0495-15HL, 2nd edition, April 1965, Scale 1:200,000 (SECRET)

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Document

1. CIA. [redacted] Estimate of Chinese Synthetic Rubber Production Facilities/North Korea to Construct Synthetic Rubber Plant, 13 May 1970 (CONFIDENTIAL)

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2. CIA. [redacted] The Chemical Industry of Communist China: Recent Developments and Prospects Through 1970, May 1967 (SECRET)

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Requirement

COMIREX N08
Support Number 422979

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