

EXPLANATION

SEDIMENTARY, VOLCANIC, AND METAMORPHIC ROCKS

Qal

Alluvium and terrace deposits
Clay, sand, and gravel

Ql

Laterite

KtC

Conglomerate, sandstone, siltstone, and
shale (Lower and middle Khorat Series)

Tv

Volcanic rocks
Andesite, rhyolite, tuff, and agglomerate

PCI

Massive limestone with some shale, sandstone,
and quartzite (Hathuri Limestone)

PCK

Sandstone, siltstone, shale, tuff, and
limestone (Kanchanaburi Series)

CDs

Sandstone, quartzite, phyllite shale,
slate, and limestone

CDI

Limestone

Da

Argillite, quartzite, slate,
phyllite, and schist

TPg

Granodiorite
Locally granite, quartz diorite,
or quartz monzonite

Ir

Intrusive rocks, undivided

Inferred contact

Inferred fault

Synclinal axis

Anticlinal axis

Strike and dip of beds

B7

Mineral prospect

Cart track

Accessible by motor vehicle in dry
season, December to May

LIST OF MINERAL PROSPECTS

Base Metals (copper, lead, and zinc)

B 1. Phu Han-Phu Sang (includes barite)
B 2. Phu Lek (Ban Na Muang)
B 3. Tagua (BBA) and Phu San (BSB)
B 4. Huai Hob
B 5. Ban Khok Na Dok Kham
B 6. Phu Sam Rua
B 7. Phu Tham Sua
B 8. Phu Hin Lek Fai (BBA) (includes
iron) and Phu Hin Lek Fai North
(BSB)
B 9. Rong Rae (BBA) and Khok Peng
(BSB)
B 10. Phu Thong Daeng
B 11. Phu Poon-Phu Pa Phai
B 12. Phu Baw Lek
B 13. Non Khok Kaw
B 14. Phu Khum 1 (Ban Khok Mon)
B 15. Phu Khum 2 (Ban Nong Ya Sai)
(includes iron)
B 16. Ban Huai Phuk
B 17. Khum Thong

Fe 10. Phu Noi
Fe 11. Phu Luak
Fe 12. Phu Ang
Fe 13. Phu Pao
Fe 14. Phu Fai Mai
Fe 15. Phu Khok-Phu Khum Thong
Fe 16. Phu Din Baw Elert
Fe 17. Phu Phum

Nonmetallic

N 1. Phu Ban Cement Limestone
N 2. Ban Huai Phot Barite
N 3. Ban Tin Pha Barite
N 4. Ban Hin Khao Barite
N 5. Loi Cysum
N 6. Wang Saphung Gypsum

Manganese

Mn 1. Huai Muang
Mn 2. Phu Lon
Mn 3. Huai Khok Kha
Mn 4. Huai Kan
Mn 5. Huai Tad
Mn 6. Prakrit
Mn 7. Ban Dong Mak Fai
Mn 8. Phu Hin Lek Fai (Nam Huai)
Mn 9. Phu Tham Map
Mn 10. Huai Nam Kam (10A and 10B)
Mn 11. Huai Pha Kang
Mn 12. Huai Tab Chang

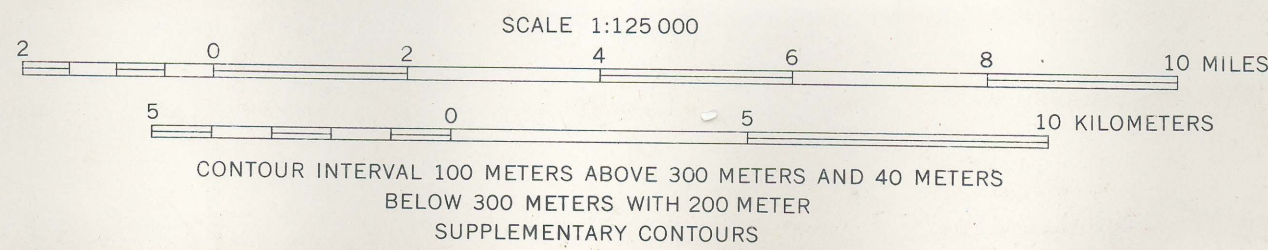
Gold

Au 1. Ban Phia

SOURCES

1. Photogeologic map by A. E. Stephens, United Kingdom Overseas Geological Surveys (Blackley and others, 1965), revised by H. S. Jacobson.
2. Unpublished field data contributed by A. E. Stephens, D. Blackley, and D. R. Workman, United Kingdom Overseas Geological Surveys; H. S. Jacobson and C. T. Pierson, U. S. Geological Survey; Boonlai Inthuputi, Sener Prapassornkul, Thawat Japaseetr, Aran Sukwivatana, Wataki Yuyen, and Nikorn Nakornrui, Thai Dept. of Mineral Resources; and R. D. Stewart, Union Oil Co.
3. Bourret, R., 1925, Etudes géologiques dans la région de Paklay: Bull. du Service Géologique de l'Indochine, v. 14, fasc. 11.
4. Brown, G. F., and others, 1961, Geologic reconnaissance of the mineral deposits of Thailand: U. S. Geol. Survey Bull. 984, 183 p.
5. Kobayashi, T., and others, 1964, Geology and paleontology of southeast Asia [v. 1]: Univ. Tokyo Press.

GEOLOGIC MAP OF THE LOEI-CHIENGKARN AREA, NORTHEAST THAILAND



OPEN FILE REPORT

THIS REPORT IS PRELIMINARY AND HAS NOT
BEEN EDITED FOR CONFORMITY WITH GEOLOGICAL
SURVEY FORMAT.