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Cartography by Bhorham Ruchai, M.R. Chakthip Chakrathandu

FORMATION	GROUP	
Q	River gravel, sand, silt, clay and mud.	
Q <sub>1</sub>	Terrace gravel, sand, silt, and clay.	
UNCONFORMITY		
T	Conglomerate, sandstone, white to light grey, moderately sorted; shale, light to dark grey with carbonaceous shale and lignite; limestone, light grey to white or pink.	
UNCONFORMITY		
J <sub>4</sub>	Sandstone, siltstone, shale, fine grained, well-bedded, reddish-brown, cross-laminated.	SAO KHUA
J <sub>3</sub>	Conglomerate, sandstone, fine to coarse grained; shale, reddish-brown to pinkish white, cross-bedded and ripple marked.	PHRA WIHAN
J <sub>2</sub>	Sandstone, fine grained, siltstone, shale, well-bedded, reddish-brown, ripple.	PHU KRADUNG
UNCONFORMITY		
T <sub>3</sub>	Shale, olive-grey to dark grey, laminated and fissile with fossils of Nautila sp., Chonetes sp. and Pseudona sp.; sandstone, tuffaceous sandstone and conglomerate.	HONG HOI
T <sub>2</sub>	Limestone, massive to well-bedded, light grey to dark grey with interbedded calcareous shale.	PHA KAN
T <sub>1</sub>	Conglomerate, reddish-brown, with rhyolite and andesite pebbles; sandstone, tuffaceous sandstone, shale, grey to reddish-brown with calcareous shale and limestone lenses.	PHRA THAT
UNCONFORMITY		
P <sub>3</sub>	Rhyolite, andesite, tuff and agglomerate.	VOLCANIC
UNCONFORMITY		
P <sub>3</sub>	Shale, calcareous, carbonaceous, laminated to thick-bedded with chert beds and interbedded sandstone and tuffaceous sandstone.	HUAI THAK
P <sub>2</sub>	Limestone, light grey, massive to well-bedded with interbedded calcareous shale.	PHA HUAT
P <sub>1</sub>	Conglomerate, sandstone, shale, tuffaceous sandstone, light grey to pinkish grey, tuff, agglomerate, rhyolite and andesite.	KIU LOM
OP	Undifferentiated sandstone, shale, chert, pebbly shale, tuff, light grey to dark grey, laminated to thick-bedded.	UNDIFFERENTIATED
O	Rhyolite, andesite, tuff, agglomerate, conglomerate, sandstone, shale, slate, chert, pebbly shale, massive to well-bedded, recrystallized, light grey to pinkish grey.	MAE THA
UNCONFORMITY		
SD	Phyllite, quartzite, quartz-schist, schist, chlorite-schist (greenschist facies) with rhyolite tuff and andesite tuff.	DONCHAI
O	Limestone, light grey to dark grey laminated, recrystallized, with interbedded dark grey calcareous shale.	THUNG SONG
EO	Quartzite, massive; quartz-schist; banded quartzite; light grey to dark grey.	TARUTAO
UNCONFORMITY		
pGsch	Marble, schist, mica-schist, with quartzite and calc-silicate.	
pGgn	Biotite-microcline gneiss.	
IGNEOUS ROCKS		
bs	Olivine and nepheline basalt.	
lg	Leucogranite; muscovite-gneiss.	
m	Rhyolite, tuff and agglomerate.	
g	Biotite-hornblende granite; porphyritic granite; pinkish granite; including quartz veins (qtz).	
an	Andesite.	
d	Diorite.	

FORMATION	GROUP	
Q		HOLOCENE
Q <sub>1</sub>	MAE TAENG	PLEISTOCENE
T		PLIOCENE
T <sub>3</sub>	MAE MO	MIOCENE
J <sub>4</sub>		JURASSIC
J <sub>3</sub>		
J <sub>2</sub>		
T <sub>3</sub>		CARNIAN
T <sub>2</sub>		LADINIAN
T <sub>1</sub>		ANISIAN
		SCYTHIAN
P <sub>3</sub>		TRIASSIC
P <sub>3</sub>		TRIASSIC
P <sub>3</sub>		PERMIAN
P <sub>2</sub>		
P <sub>1</sub>		
OP		
O		
SD		
O		
EO		
pGsch		
pGgn		
bs		
lg		
m		
g		
an		
d		

MAE THA

DONCHAI

THUNG SONG

TARUTAO

UNDIFFERENTIATED

KIU LOM

PHA HUAT

HUAI THAK

VOLCANIC

LAMPANG

KHORAT

SAO KHUA

PERMIAN

CARBONIFEROUS

CARBONIFEROUS

CARBONIFEROUS

SILURIAN

DEVONIAN

ORDOVICIAN

ORDOVICIAN

CAMBRIAN

PRECAMBRIAN

PLEISTOCENE

CRETACEOUS

POST-TRIASSIC

TRIASSIC ?

TRIASSIC

