

Thailand Caves Database

Site Code 12

Environment

Description

Long, active and semi-active cave with multiple entrances. Found in a small hill with good forest cover. High humidity

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>	<i>O2 Low %</i>
19	96	19	7.8		

Further Data

average of 3 measurements - November, January, May

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed. Possible sedimentation from nearby fields has now ceased

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

Increased Sediment

Impact Sources

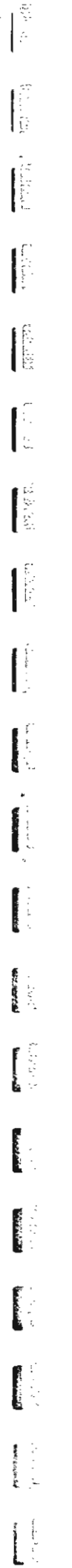
Deforestation: Agriculture

Thungyai Naresuan East Wildlife Sanctuary,
Tak Province, Thailand.

Surveyed November 1998 (ICRCA Gladi. & Co.) by:
Thungyai Naresuan Cave Survey Project
(Thailand Research Fund),
Royal Forest Department, Thailand;
Ophiurus Caving Club, UK.

479 (502, 509) 1.40168
 UTM coordinate of K012 entrance

Surveyed length = 1.86km
Actual length = 2.00km +
Height range = 28m

Cartography by Dean Smart
(TNCSP) - June 1999

Thailand Caves Database

Site Code 13

English Names

TK017

Thai Names

TK017

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	493405	1717119	15.532489	98.938499
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
860	158	4	C:\Cave Database\Maps\Tak\TK0017.tif		

Access Description

Walk downvalley from Thung Nar Noi ranger station for 4km. Footpath passes by the entrance in the obvious limestone hill.

General Description

Large entrance closes down to a short crawl. This opens into a high rift passage eventually becoming too low. Turning right midway along the rift leads to crawls, a doline entrance and a small chamber. Large passage gets lower to a crawl through porcupine faeces and a squeeze over a rock to return to the entrance.

Technical Description

None

Dangers

Hookworms in porcupine faeces, occupied by bears.

Outstanding Values

Phreatic rift passage

Geology

Description

Maze-like phreatically formed rifts controlled by at least 3 joint sets. Small, low chambers have formed independent of the joints. Present day stream is seasonal underfit

<i>Rock Type</i>	<i>Rock Age</i>
Limestone	Triassic

Sediments

Sandy soil on floors with much porcupine guano

Speleothems

Common forms

Thailand Caves Database

Site Code 13

Biology

Description

Porcupine guano ecosystem. Simple with crickets and huntsman spiders. Many hookworms and used by bears

Identified Species

cricket; huntsman spider; porcupine; bat; bear

Unusual Species

Hookworms - R

Food Supply Routes

Guano

Environment

Description

Near the floor of a heavily forested large, broad valley. Several entrances.

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>	<i>O2 Low %</i>
20	95				

Further Data

date - November

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

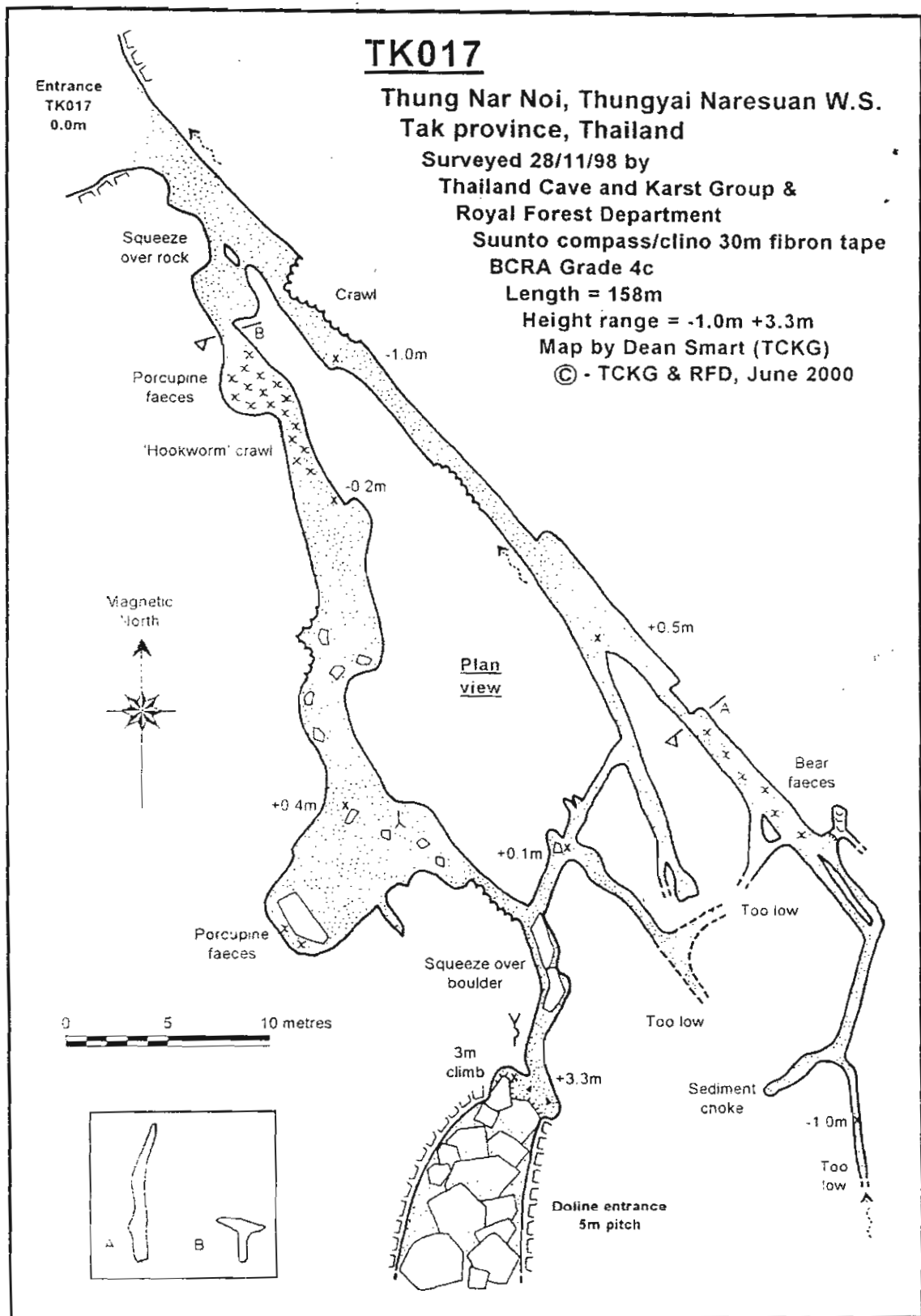
High

Manager

Royal Forest Department

Impacts

None



Thailand Caves Database**Site Code 14***English Names***TK018***Thai Names***TK018****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	488702	1722314	15.580260	98.893081
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
320	13	2	C:\Cave Database\Maps\Tak\TK0018.tif		

Access Description

Walk down the Huai Bi valley for 1.5 days to the Mae Khlong Gorge. At the Mae Khlong/Huai Bi confluence (see UTM) walk up Huai Bi for 150m. Entrance is stream sink on West side of gorge

General Description

Stream disappears down tiny cracks. Above is a single, choked chamber.

Technical Description

None

Dangers

Completely flooded in rainy season

Outstanding Values

None

Hydrology*Description*

Half of Huai Bi sinks into impenetrable cracks in the SW bank. Resurgence unknown

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km²</i>	<i>Flow, Cumec</i>
Mae Khlong	Huai Bi (Huai Lathaboeng)	180	0.5

Further Data

date - November

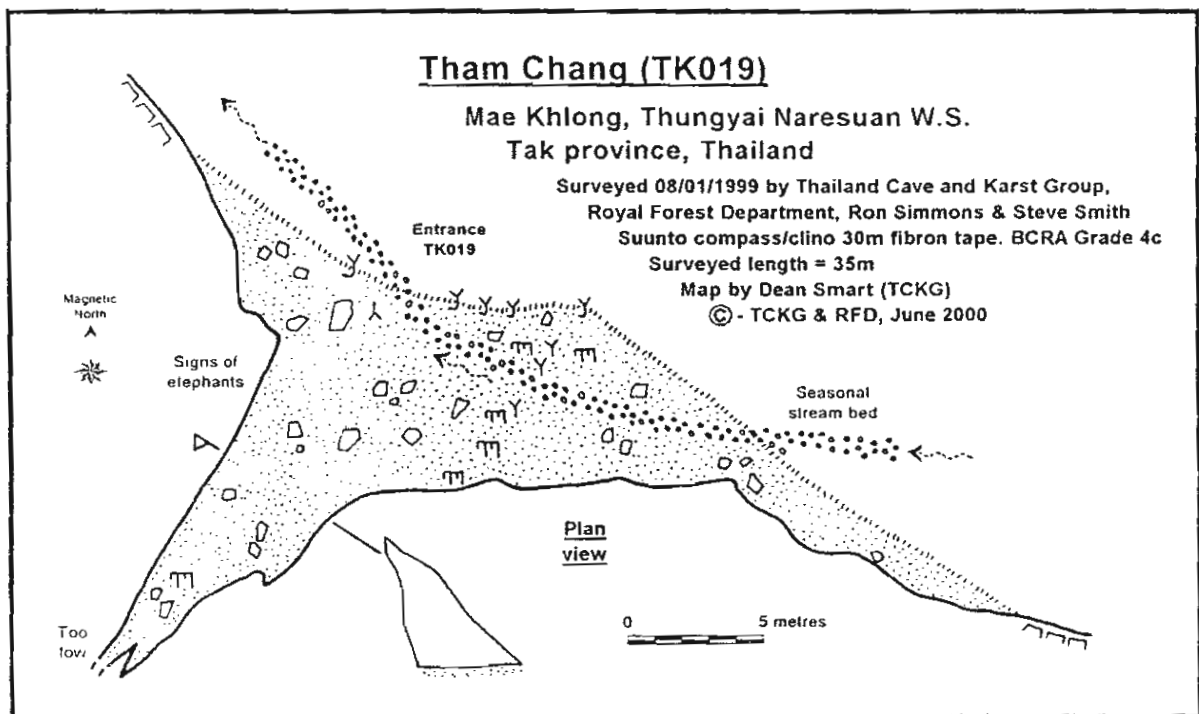
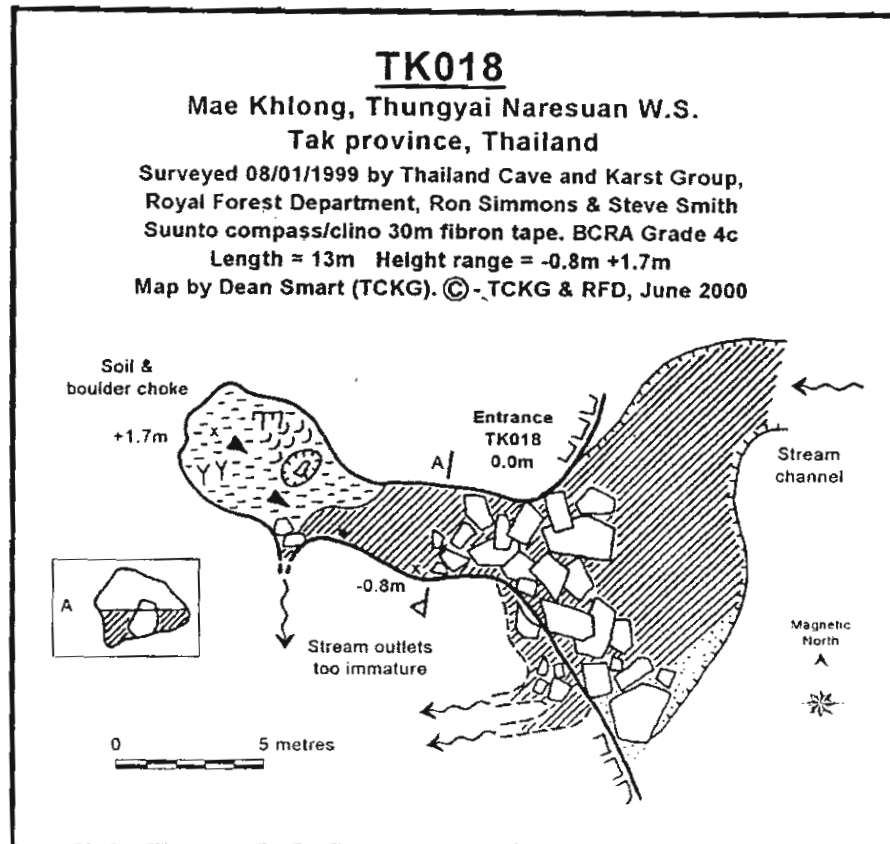
Management*Description*

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None



Thailand Caves Database**Site Code 15***English Names***Tham Chang, TK019***Thai Names***ถ้ำช้าง TK019****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	488792	1722272	15.580260	98.893081
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
320	35	0	C:\Cave Database\Maps\Tak\TK0019.tif		

Access Description

Walk down the Huai Bi valley for 1.5 days to the Mae Khlong Gorge. At the Mae Khlong/Huai Bi confluence (see UTM) walk up Huai Bi for 250m. Entrance is obvious rock shelter on West side of gorge

General Description

Large rockshelter. At the back, a crawl is too low

Technical Description

None

Dangers

None

Outstanding Values

Some stone tools found. Used by elephants

Archaeology*Description*

Possible habitation site next to permanent stream. Seasonal flooding may remove or bury artifacts. Stone tools are crude and limestone

Artifacts

stone tools

Management*Description*

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

High

Manager

Royal Forest Department

Impacts

None

Thailand Caves Database

Site Code 16

English Names

Tham Huai Bi, TK020

Thai Names

ถ้ำห้วยบี TK020

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	488897	1722236	15.580260	98.893081
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
320	195	4	C:\Cave Database\Maps\Tak\TK0020.tif		

Access Description

Walk down the Huai Bi valley for 1.5 days to the Mae Khlong Gorge. At the Mae Khlong/Huai Bi confluence (see UTM) walk up Huai Bi for 400m. Obvious entrance where Huai Bi resurges at the base of a dry tufa waterfall

General Description

Active stream cave. Wading and scrambling over boulders lead upstream to a high level passage on the left. Continuing up rapids reaches a long deep pool requiring swimming. The stream rises up from a deep sump at the end. Straight ahead enters dry, muddy crawls ending in static sumps. The upper level leads to a small chamber with several tight crawls off.

Technical Description

Some swimming

Dangers

Cave probably floods quickly and severely

Outstanding Values

Active vadose stream cave

Geology

Description

Youthful vadose stream passage guided by small faults with good examples of vadose morphologies, e.g. scallops. A single, short upper level

Rock Type Rock Age

Limestone Triassic

Sediments

Breakdown forms rapids in the stream and mud floors the upper levels

Speleothems

Common forms

Thailand Caves Database

Site Code 16

Hydrology

Description

Significant resurgence with large catchment area. Normally, Huai Bi sinks 1km to the East though in the rainy season the stream sink is overpowered and the stream falls down tufa waterfalls to the river 300m below

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km2</i>	<i>Flow, Cumec</i>
Mae Khlong	Huai Bi (Huai Lathaboeng)	180	1

Further Data

date - January

Biology

Description

Active stream cave with large fish. Not studied.

Identified Species

fish - Channa sp

Food Supply Routes

Stream

Environment

Description

Active stream cave shaded in the bottom of a gorge with cool temperature. No airflow.

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>	<i>O2 Low %</i>
22	95	20.5	7.2		

Further Data

date - January

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

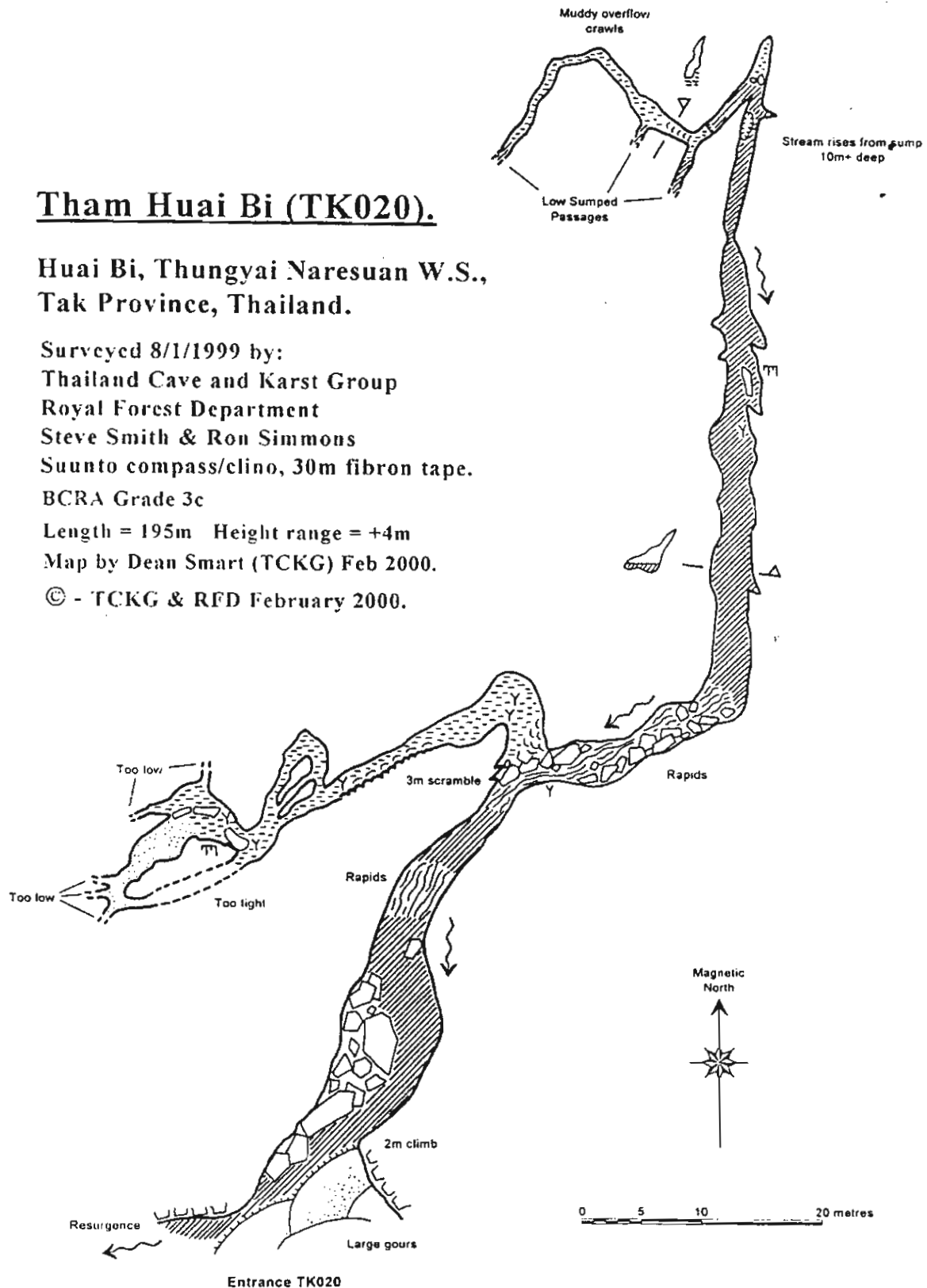
Impacts

None

Tham Huai Bi (TK020).

Huai Bi, Thungyai Naresuan W.S.,
Tak Province, Thailand.

Surveyed 8/1/1999 by:
Thailand Cave and Karst Group
Royal Forest Department
Steve Smith & Ron Simmons
Suunto compass/clino, 30m fibron tape.
BCRA Grade 3c
Length = 195m Height range = +4m
Map by Dean Smart (TCKG) Feb 2000.
© - TCKG & RFD February 2000.



Thailand Caves Database**Site Code 17***English Names***Tham Yuthana, TK021***Thai Names***ถ้ำยุธนา TK021****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	488050	1725258	15.606049	98.888526
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
370	51	17	C:\Cave Database\Maps\Tak\TK0021.tif		

Access Description

2 days walk from Thung Nar Noi ranger station and located on the East bank of the Mae Khlong River. Walk down the Huai Bi valley to that stream's confluence with the Mae Khlong. Follow the East bank upriver for 2km. The cave is c.500m before the Huai Wak waterfall and c. 50m above the river. Entrance is large but easily missed.

General Description

Large entrance opens out into the Mae Khlong valley. The cave descends quickly down a slope with a short climb to a mud choke. Water backs up c.13m deep in the rainy season.

Technical Description

None

Dangers

None

Outstanding Values

None

Geology*Description*

Large inactive cave formed phreatically

Rock Type

Limestone

Rock Age

Triassic

Sediments

Inwashed soil and boulders becoming increasingly muddy with depth

Speleothems

Common forms; large flowstone boss

Thailand Caves Database

Site Code 17

Biology

Description

Rain washes soil into the cave. Used by porcupine and serow

Identified Species

porcupine; serow; cricket

Food Supply Routes

Near Surface; Guano

Environment

Description

Large inactive cave with a single entrance. Cold temp due to shaded location in the bottom of a deep gorge.

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>
<i>O2 Low %</i>				
20	81			

Further Data

date - January

Management

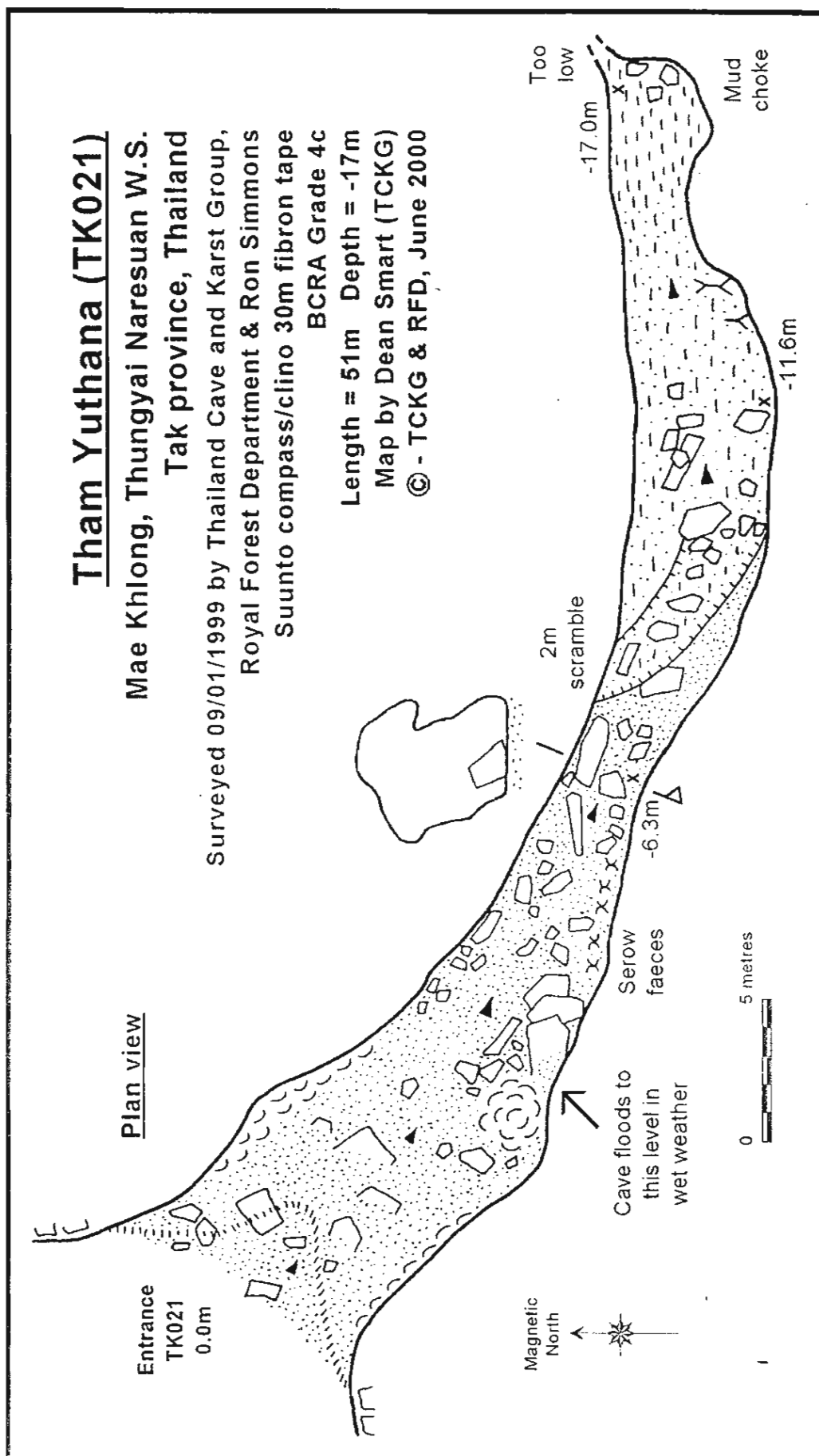
Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None



Thailand Caves Database

Site Code 18

English Names

Tham Wichian, TK022

Thai Names

ถ้ำวิเชียร TK022

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	487808	1725533	15.608539	98.886268
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
370	41	8	C:\Cave Database\Maps\Tak\TK0022.tif		

Access Description

2 days walk from Thung Nar Noi ranger station and located on the East bank of the Mae Khlong River. Walk down the Huai Bi valley to that stream's confluence with the Mae Khlong. Follow the East bank upriver for 3km. The cave is near the confluence of Huai : Wak and the Mae Khlong. Small entrance is difficult to find.

General Description

A small cave with several entrances in a cliff face. Main entrance is small and opens into a room. Left climbs up to more entrances, right leads up a 4m climb to a low crawl. Becomes too low.

Technical Description

None

Dangers

None

Outstanding Values

Some bones, possibly deer or serow inside.

Geology

Description

Small inactive cave formed along a single joint/fault

Rock Type

Limestone

Rock Age

Triassic

Sediments

Sandy soil with some breakdown

Speleothems

Flowstone

Biology

Description

Small cave used by surface mammals

Identified Species

Porcupine; serow

Thailand Caves Database

Site Code 18

Palaeontology

Description

Several vertebrae of possibly a small deer

Species Found

Small deer?

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

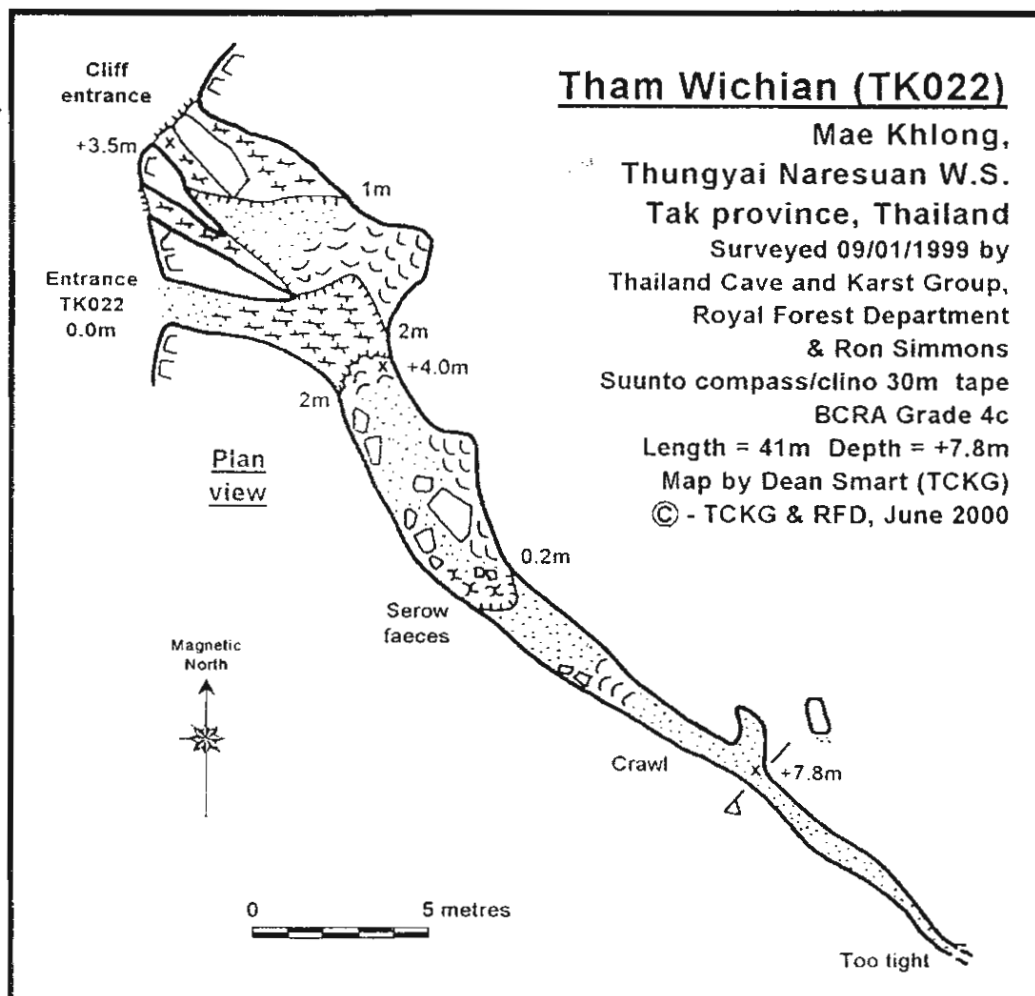
Low

Manager

Royal Forest Department

Impacts

None



Thailand Caves Database**Site Code 19*****English Names*****TK023*****Thai Names*****TK023****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	487908	1725611	15.609239	98.887199
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
390	0	0	n/a		

Access Description

2 days walk from Thung Nar Noi ranger station and located on the East bank of the Mae Khlong River. Walk down the Huai Bi valley to that stream's confluence with the Mae Khlong. Follow the East bank upriver for 3km. This large spring feeds the Huai Wak waterfall - c. 30m high and terraced by tufa. Follow that stream up until the resurgence is met.

General Description

Large active resurgence, presumably draining the plateau to the East. Water emerges from several places, the highest can be entered by swimming for 30m to a boulder choke.

Technical Description

Swimming necessary

Dangers

Probably prone to flooding

Outstanding Values

Very large resurgence thought to be draining a large area of karst.

Geology***Description***

Large resurgence possibly located on a large fault entering the Mae Khlong valley

<i>Rock Type</i>	<i>Rock Age</i>
Limestone	Triassic

Hydrology***Description***

Very significant resurgence thought to drain the large karst plateau to the East. Water emerges from several places making flow rate difficult to measure. Catchment area size is estimated

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km²</i>	<i>Flow, Cumec</i>
Mae Khlong	Huai Wak	100	1

Further Data

date – January. Estimated catchment area and flow rate

Thailand Caves Database

Site Code 19

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

High

Manager

Royal Forest Department

Impacts

None

Thailand Caves Database**Site Code 20***English Names**Thai Names***TK024****TK024****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	488074	1725477	15.608030	98.888748
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
440	30	0	C:\Cave Database\Maps\Tak\TK0024.tif		

Access Description

2 days walk from Thung Nar Noi ranger station and located on the East bank of the Mae Khlong River. Walk down the Huai Bi valley to that stream's confluence with the Mae Khlong. Follow the East bank upriver for 3km. The obvious cave entrance is found in a cliff face, c.100m above the Mae Khlong and c.200m before the Huai Wak waterfall.

General Description

Obvious square entrance in a cliff face reached by a 4m climb. The cave reaches a small room with a large canopy and a red clay floor. A boulder choke is soon reached at the top of a further 3m climb.

Technical Description

Entrance climb is a little tricky

Dangers

Falling off the entrance climb may result in a roll and fall of several hundred metres!

Outstanding Values

None

Geology*Description*

Formed in thinly bedded (up to 10cm thick) limestone thin red-grey mudstone layers between. Bedding dip is 42 degrees to SW

<i>Rock Type</i>	<i>Rock Age</i>
Limestone	Triassic

Sediments

red clay covers the floor

Speleothems

One large flowstone

Thailand Caves Database

Site Code 20

Biology

Description

Fresh bat guano on floor

Identified Species

Bats

Food Supply Routes

Guano

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

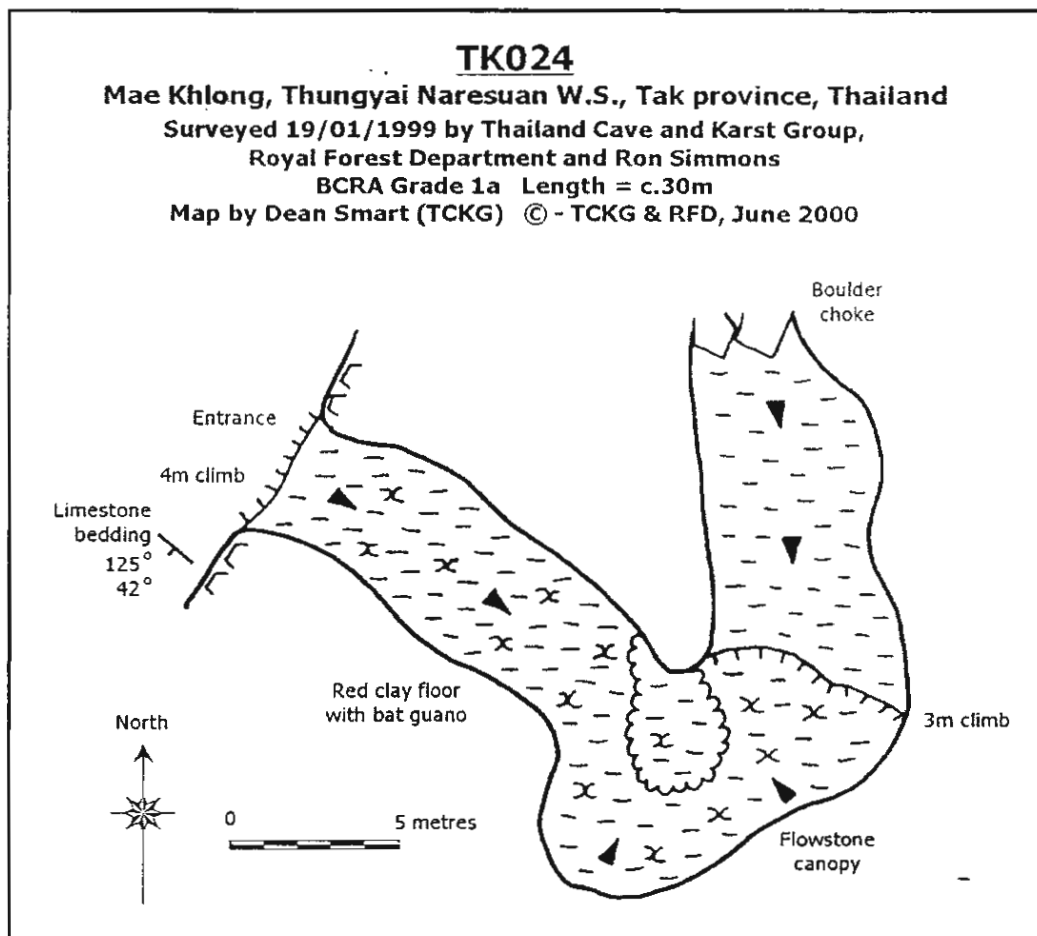
Low

Manager

Royal Forest Department

Impacts

None



Thailand Caves Database**Site Code 21***English Names***Tham Molakot, TK025***Thai Names***ถ้ำมรกต TK025****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4839 IV	47P	505235	1701597	15.392149	99.048782
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1090	921	22	C:\Cave Database\Maps\Tak\TK0025.tif		

Access Description

Walk on good footpath for 30 minutes to SW from Huai Nam Khieo ranger station. Find and enter the TK012 entrance of Tham Than Lot located on NW side of the obvious tower after crossing a stream. Walk through that cave and exit via the TK013 entrance on the West side of the hill. Walk a further 30 minutes to the West until a permanent stream is met. Walk upstream to find this huge resurgence entrance.

General Description

Large active stream cave with significant upper levels. The resurgence entrance (TK025) is some 15m high and wide with the stream emerging from the right hand side and flowing across the entrance at the base of a large soil mound. At the top of this mound is an upper level and inlet series. Easy walking upstream passes upper level windows and balconies. Just after scrambling over a small boulder pile, a flowstone on the left can be climbed up to a small inlet passage and a crawl to an entrance. Easy walking continues up the main stream passage on gravel banks to a large chamber with the stream entering from under a large flowstone. Climbing up to the right reaches a balcony overlooking the main stream. To follow the main stream, either crawl under the flowstone or (easier) scramble up large gour pools to an awkward 2m climb down the other side. More easy walking follows to the confluence, a junction of two streams and upper level. Daylight entering the main stream sink entrance (TK035) is seen to the left. Straight ahead, a narrow though very tall inlet passage leads to another entrance (TK042). At the top of the soil slope on the left is the entry to an upper that loops around to a balcony overlooking the TK035 entrance. Some good fossils and an outcrop of basic, igneous intrusion are found at the confluence. Climbing up the high soil slope at the resurgence entrance reaches a large upper level with holes back down to the stream. Traversing past these enters a chamber 20m above the stream with an entrance (TK030). The obvious passage straight ahead ends in a flowstone choke with a loop around to return to the chamber. A smaller hole can be climbed to an upper level oxbow 7m above the stream. Near the top of the soil slope an unlikely looking passage drops into an inlet series that ends too low after 50m.

Technical Description

Ropes/ladders needed for the pitches between the various levels, although all can be bypassed.

Dangers

Floods quickly after rain.

Thailand Caves Database

Site Code 21

Outstanding Values

Example of multiple phases of development, the upper levels being phreatic and the lower levels vadose. Outcrops of igneous intrusive rocks and good fossils (gastropods and bryozoans) in the limestone. Large speleothems with eg's of flowstone, columns and gour pools. Some straws.

Geology

Description

Excellent example of a phreatic/vadose multi-level cave. Lithology change at 7m from overlying massive to dark, thinly bedded limestone marks change from phreatic to vadose. 2 intersecting faults guide the cave. Basic igneous intrusions at stream level

Rock Type

Limestone

Rock Age

Permian

Sediments

Multi-level cave with varying sediments over a height of 20m. Gravel at stream level with some breakdown. Upper levels have sandy soil mixed with guano.

Speleothems

Large columns in upper levels; straws; popcorn; large gour pools form a bridge over the stream; common forms

Further Data

Bedding dips 25 degrees to north; Brachiopod, Gastropod & coral fossils in limestone

Hydrology

Description

3 separate streams enter and join inside this stream through cave. 1st flows from Tham Phet, 2nd from forest N of the cave and join near the TK035 entrance. 3rd stream enters at resurgence, source is unknown. Stream flows on to Tham Than Lot

River System

Mae Khlong

Stream Name

Catchment Area, km²

2

Flowe, Cumec

0.1

Further Data

date - January

Biology

Description

Rich fauna, especially aquatic species. Most are surface derived with ecology based on stream food supply. Very similar to Tham Phet. Serow use the cave

Identified Species

Shrimp; Fish - Nemacheiline, Balitoridae, Danio & Barb; Serow; Cave Racer Snake; few bats

Unusual Species

Rat - n.sp

Food Supply Routes

Stream; guano

Thailand Caves Database

Site Code 21

Environment

Description

Perennially active through cave in a well forested ridge.

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>	<i>O2 Low %</i>
17	93	16.5	8.2		

Further Data

Average of 3 measurements - January

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.
Possible sedimentation from nearby fields has now ceased

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

Increased Sediment

Impact Sources

Deforestation; Agriculture

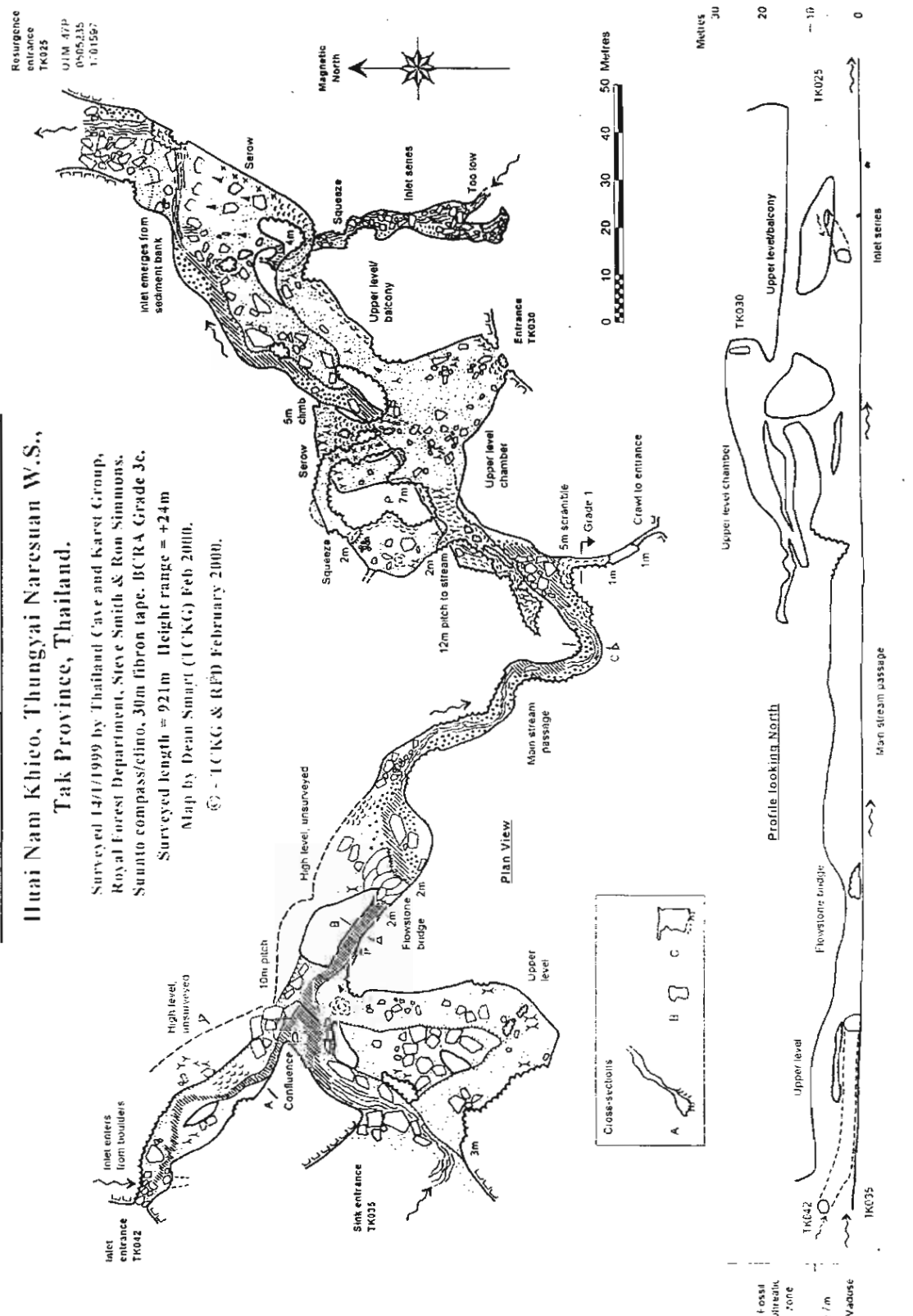
Tham Molakot (TK025/030/035/042)

Huai Nam Khieo, Thungyai Naresuan W.S.,
Tak Province, Thailand.

Surveyed 14/1/1999 by Thailand Cave and Karst Group,
Royal Forest Department, Steve Smith & Ron Simmons,
Sunato compass/clino, 30m fibron tape, BCRA Grade 3c,
Surveyed length = 921m Height range = +24m

Map by Dean Smart (TCKG) Feb 2000.

© - TCKG & RFD February 2000.



Thailand Caves Database

Site Code 22

English Names

TK026

Thai Names

TK026

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	488217	1722262	15.578969	98.890098
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
320	20	11	C:\Cave Database\Maps\Tak\TK0026.tif		

Access Description

2 days walk from Thung Nar Noi ranger station and located on the South bank of the Mae Khlong River. Walk down the Huai Bi valley to that stream's confluence with the Mae Khlong. Follow the Southern bank downriver for 500m. The large entrance is found in c.30m above the main river.

General Description

Very small cave with a seasonal stream flowing in a skylight at the back and out of the main entrance.

Technical Description

Ropes needed for the skylight pitch.

Dangers

None

Outstanding Values

None

Geology

Description

Formed on the side of a valley

Rock Type

Limestone

Rock Age

Triassic

Sediments

Inwashed soil

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

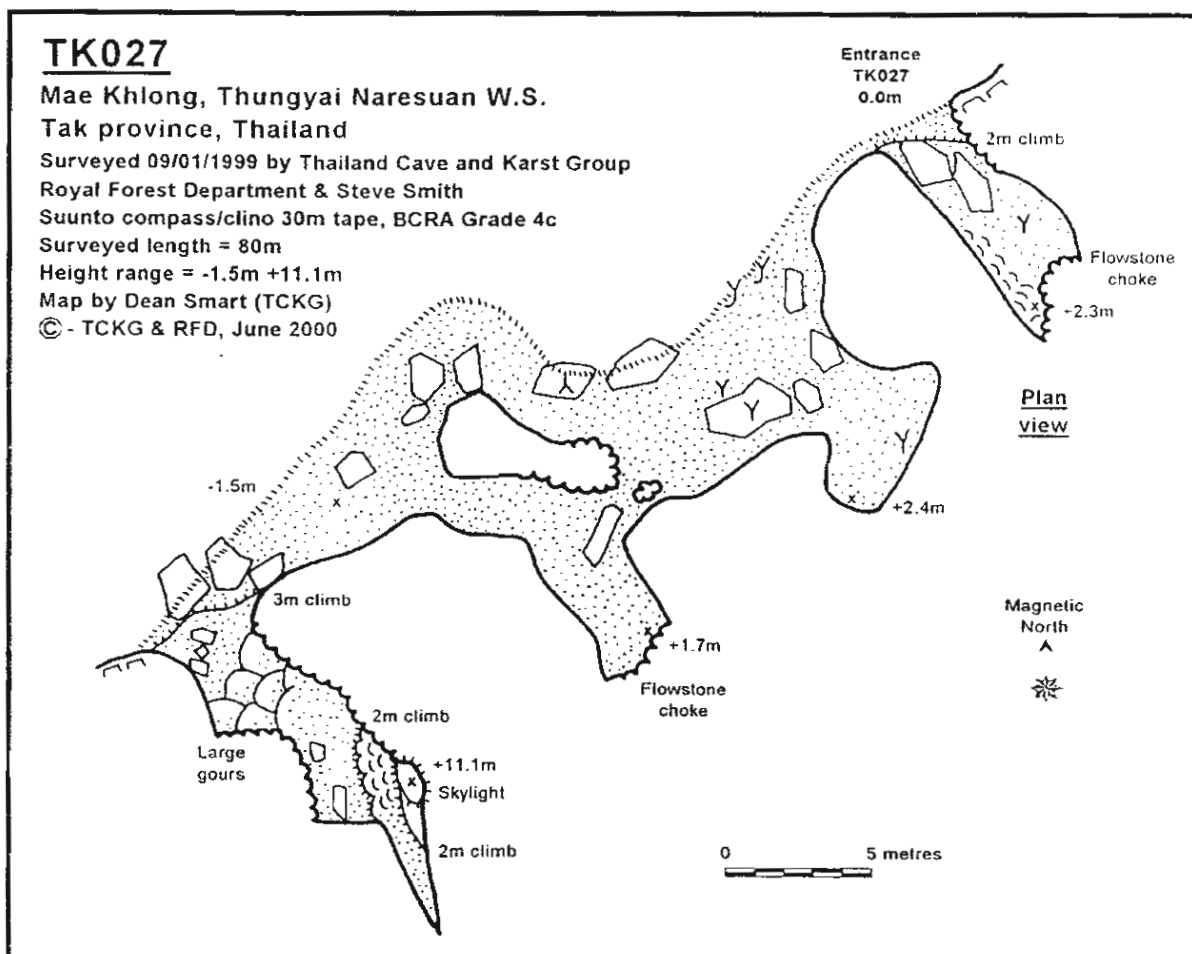
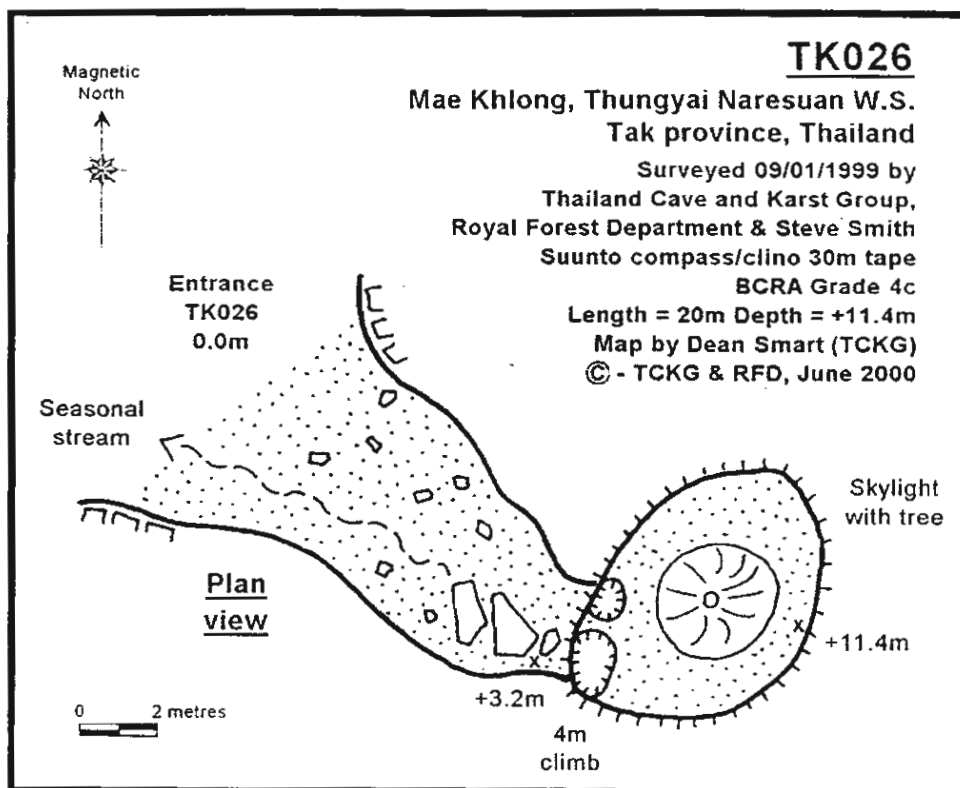
High

Manager

Royal Forest Department

Impacts

None



Thailand Caves Database

Site Code 23

English Names

TK027

Thai Names

TK027

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	487537	1721796	15.574749	98.883758
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
310	80	13	C:\Cave Database\Maps\Tak\TK0027.tif		

Access Description

2 days walk from Thung Nar Noi ranger station and located on the South bank of the Mae Khlong River. Walk down the Huai Bi valley to that stream's confluence with the Mae Khlong. Follow the Southern bank downriver for 1km. This cave is located directly above a small resurgence at Huai Kaet.

General Description

Series of small caves located above a resurgence. Two caves end at flowstone chokes, while the third ends at a small skylight.

Technical Description

None

Dangers

None

Outstanding Values

Some large gour pools

Geology

Description

3 small caves with large flowstones and gour pools. Formed above an active resurgence.

Rock Type

Limestone

Rock Age

Triassic

Sediments

Inwashed soil and large breakdown

Speleothems

Large gour pools; common forms

Hydrology

Description

Small resurgence for Huai Kaet, located below the cave. Source of water unknown

River System

Mae Khlong

Stream Name

Huai Kaet

Catchment Area, km²

Flow, Cumec

Thailand Caves Database

Site Code 23

Environment

Description

Cool and dry. Near the floor of a deep valley and near surface

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>	<i>O2 Low %</i>
22.5	66.5				

Further Data

date - January

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None

Thailand Caves Database**Site Code 24***English Names**Thai Names***TK031****TK031****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4839 IV	47P	506588	1702447	15.399829	99.061393
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1120	69	9	C:\Cave Database\Maps\Tak\TK0031.tif		

Access Description

Follow a good footpath South from Huai Nam Khiao ranger station for 15 minutes. On the N side of the obvious small tower on the left of the path are two obvious entrances, one above the other. TK031 is the upper cave.

General Description

The single meandering passage slopes gently uphill, eventually becoming too low.

Technical Description

None

Dangers

Bears use the cave

Outstanding Values

None

Geology*Description*

A single phreatic passage following the same fault as TK032 though 20m above

Rock Type

Limestone

Rock Age

Permian

Sediments

Sandy soil with guano

Speleothems

Common forms

Biology*Description*

Little fauna. Bears use the cave and a rat nest was found

Identified Species

Bear; bat

Unusual Species

Rat - n.sp

Food Supply Routes

Guano

Thailand Caves Database

Site Code 24

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

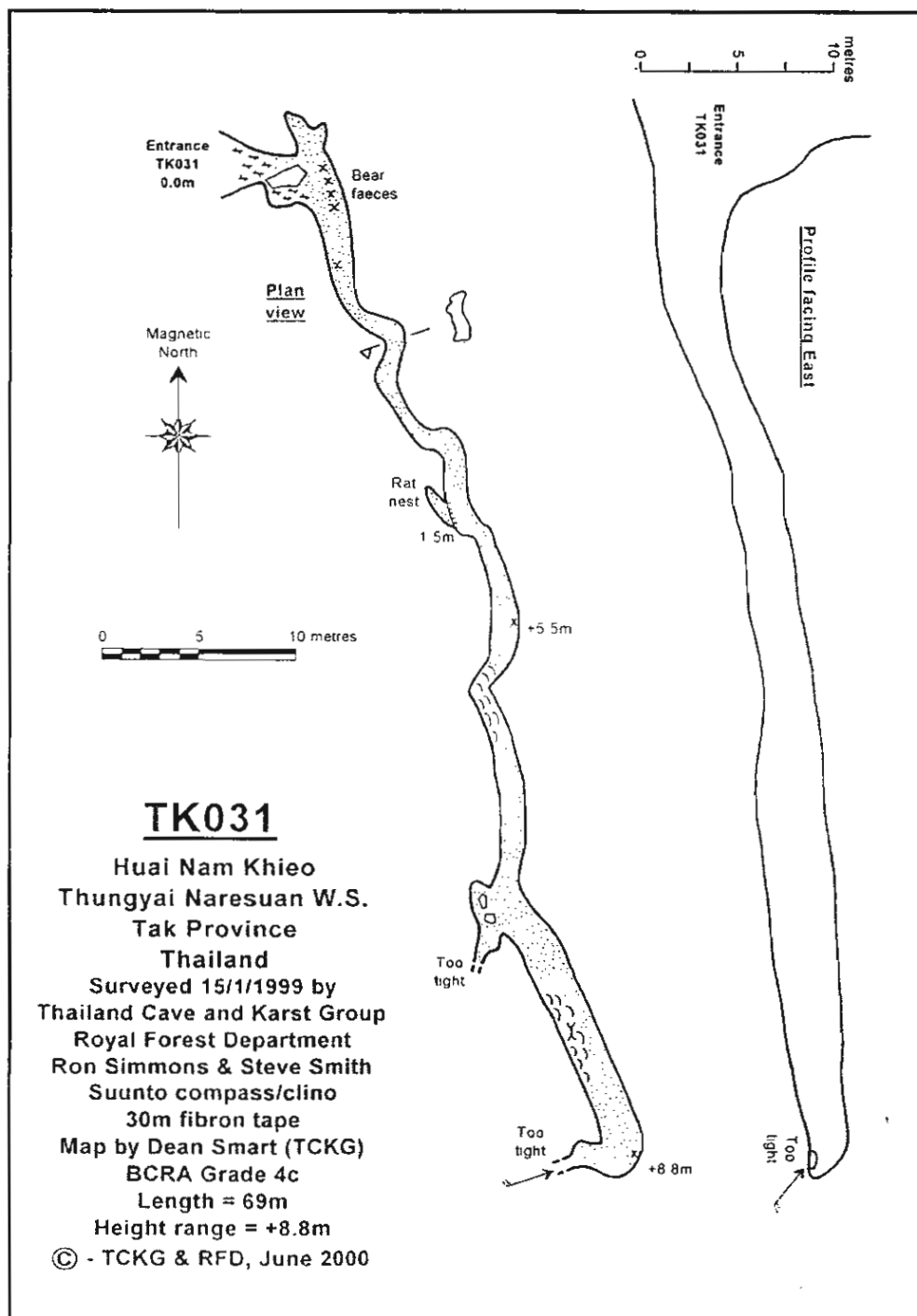
Low

Manager

Royal Forest Department

Impacts

None



Thailand Caves Database

Site Code 25

English Names

TK032

Thai Names

TK032

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4839 IV	47P	506588	1702447	15.399829	99.061393
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1100	66	15	C:\Cave Database\Maps\Tak\TK0032.tif		

Access Description

Follow a good footpath due South from Huai Nam Khieo ranger station for 15 minutes. On the N side of the obvious small tower on the left of the path are two obvious entrances, one above the other. TK032 is the lower cave.

General Description

15m inside the large rift type entrance, the cave turns to the right and climbs uphill. The tall rift continues with oxbows in the left wall to where it closes down at a flowstone cascade. Squeezing past this leads to more tall rift ending at two climbs up of 3m and 5m. These have not been climbed.

Technical Description

None

Dangers

None

Outstanding Values

sub-fossil bones in sediment

Geology

Description

A single phreatic passage following the same fault as TK031 though 20m below. Some short oxbows. Bedding dips 30 degrees to SSW

<i>Rock Type</i>	<i>Rock Age</i>
Limestone	Permian

Sediments

Sandy soil with guano, some stuck to the wall at the end of the entrance chamber. Large breakdown in the entrance.

Speleothems

Large flowstone

Thailand Caves Database

Site Code 25

Biology

Description

Guano based ecology with tree roots at the entrance

Identified Species

Bat - *Aselliscus stoliczkanus*

Food Supply Routes

Guano; roots

Palaeontology

Description

One sub-fossil bone in sediment stuck to the wall in the entrance chamber. Species unidentified

Environment

Description

Short, dry cave near the summit of a small tower with little forest. Cave has one entrance.

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>	<i>O2 Low %</i>
20	86				

Further Data

date - January

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

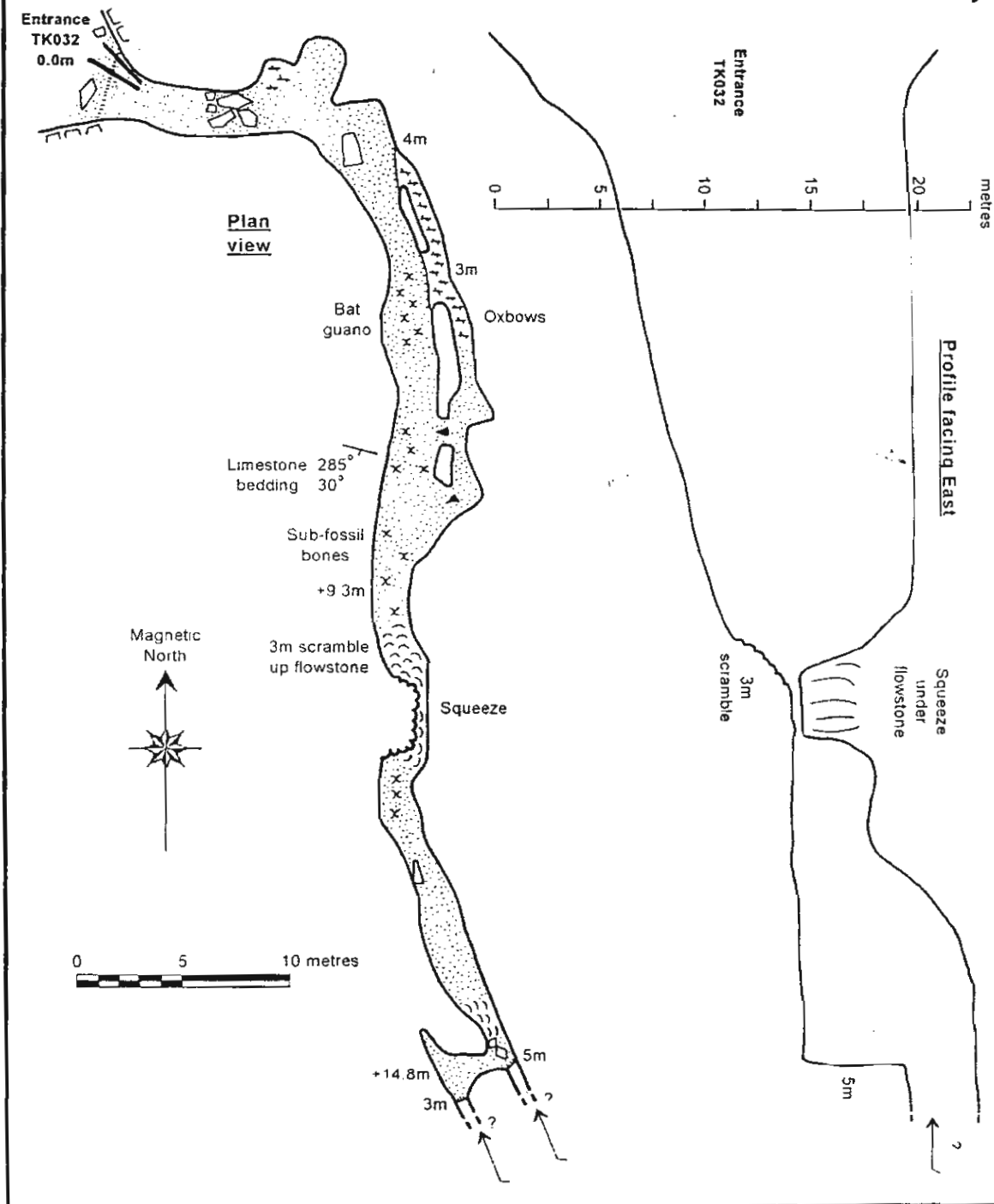
<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	Low	Royal Forest Department

Impacts

None

TK032

Huai Nam Khieo, Thungyai Naresuan W.S., Tak Province, Thailand
Surveyed 15/1/1999 by Thailand Cave and Karst Group, Royal Forest Department,
Ron Simmons & Steve Smith. Suunto compass/clino 30m fibron tape.
Map by Dean Smart (TCKG) June 2000. BCRA Grade 4c.
Length = 66m Height range = +14.8m. © - TCKG & RFD, June 2000



Thailand Caves Database**Site Code 26***English Names**Thai Names***TK033****TK033****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4839 IV	47P	506644	1702471	15.400050	99.061920
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1100	36	10	C:\Cave Database\Maps\Tak\TK0033.tif		

Access Description

Follow a good footpath due South from Huai Nam Khieo ranger station for 20 minutes. On the S side of the obvious small tower on the left of the path is this large cave entrance.

General Description

To the right side of the broad, low entrance, a scramble down boulders leads to a 4m climb in a rift. At the bottom is a low bedding plane chamber that finishes in breakdown.

Technical Description

None

Dangers

None

Outstanding Values

Used extensively by porcupines

Geology*Description*

Entrance rift formed along a fracture behind the cliffline. Drops into wide, low bedding plane

Rock Type

Limestone

Rock Age

Permian

Sediments

Much breakdown in lower level and at entrance

Speleothems

Common forms

Biology*Description*

Small cave used extensively by porcupines, much guano. Many large snail shells in lower level. Roots near the entrance

Identified Species

Porcupine; land snail

Food Supply Routes

Guano

Thailand Caves Database

Site Code 26

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

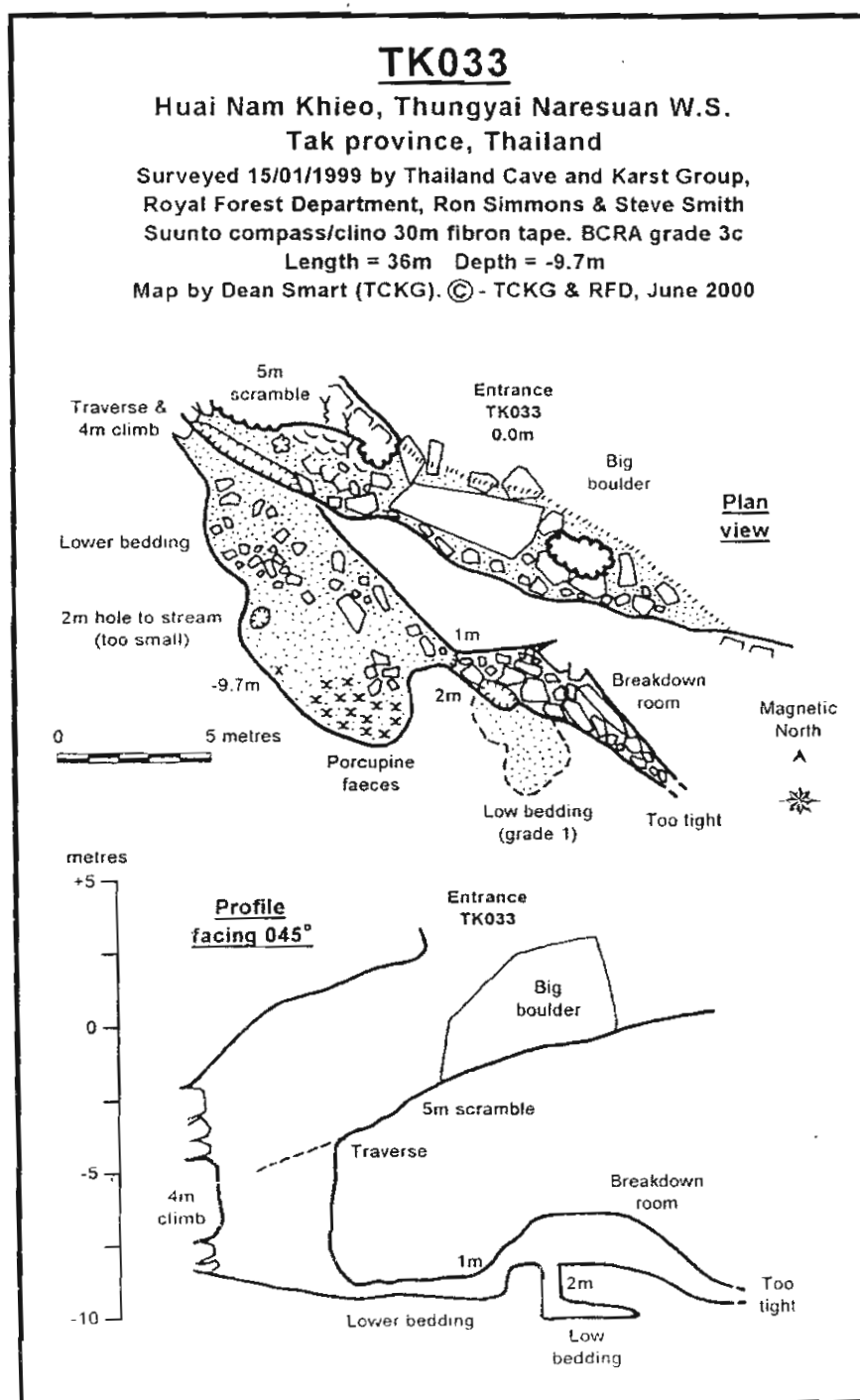
Low

Manager

Royal Forest Department

Impacts

None



Thailand Caves Database**Site Code 27***English Names***Tham Seua, TK034***Thai Names***ถ้ำเสือ TK034****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4839 IV	47P	506546	1702173	15.397350	99.060997
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1100	952	27	C:\Cave Database\Maps\Tak\TK0034.tif		

Access Description

Follow a good footpath due South from Huai Nam Khieo ranger station for 15 minutes. On the SW side of the obvious small tower on the left of the path is this large, obvious entrance.

General Description

A very complicated maze type cave whose description here is inadequate and only the main routes can be mentioned. From the large entrance chamber, several routes lead off. These are described from left to right (looking in). An obvious walking passage soon reaches a sediment bridge. Beyond this the passage gets smaller and crawling opens up at a small chamber. Straight ahead, a walking sized rift gradually becomes narrower until a 1.5m climb and a sharp right hand bend. The very tight crawl at the top soon enlarges at a chamber with several ways on. Straight ahead soon closes as does the passage leading back. A steep scramble up flowstone to the right leads to a T-junction. Right goes to various looping passages and a very tight crawl to the TK045 entrance. Left enters a low chamber with much porcupine faeces. A low crawl in the left side exits at the TK046 entrance. Straight on reaches another 3 way junction. Right ends at a round room with a 10m high aven in the roof. Left leads to a complex series of looping passages with several entrances (collectively called TK044). By taking the most obvious passage downwards to the right, a 4m climb down into a room with a flowing stream is reached. The stream quickly sumps in both directions. A 2m climb up from near here enters a high rift passage ending in a flowstone choke after 40m. The largest passage leading off from the entrance chamber climbs up 3m in a large rift before rejoining the previous route at the first small chamber. Along the right hand wall of the entrance chamber, at least 5 passages lead off. These narrow canyon type passage divide and rejoin several times. Eventually the explorer will find a 3m climb up to a flowstone slope, a squeeze and large passage to an entrance. An alternative route leads to a chamber with a draughting 4m climb.

Technical Description

Some squeezing and tight crawling required. Some of the climbs are awkward and route finding is difficult. The 4m climb to the draughting passage needs climbing gear.

Dangers

Some crawls are very tight. Getting lost is a possibility although an entrance is never usually far away.

Thailand Caves Database

Site Code 27

Outstanding Values

Superb example of complex, multiple phase phreatic and vadose cave development. Perhaps the most complex cave in Thailand. Excellent keyhole passages in the narrow canyons. Some prehistoric material including stone tools and some pottery in the entrance chamber and animal bones of unknown age.

Geology

Description

Very complex 3D maze cave formed along the edge of a tower. Mostly phreatic in origin though the meandering 'canyons' East of the entrance are classic keyholes. Examples of most passage type. A fault guides a large rift at the northern end

Rock Type

Limestone

Rock Age

Permian

Sediments

Sandy soil floors most of the cave. Some breakdown especially in entrance areas. One calcified sediment bridge.

Speleothems

Common forms, small helictites, popcorn in some areas.

Hydrology

Description

Small stream flows through part of the cave, sumped at both ends. Origin & destination unknown

River System

Mae Khlong

Stream Name

Catchment Area, km²

Flowe, Cumec

0

Further Data

date - January

Biology

Description

Little studied biologically. Fair number bats and porcupines provide guano. Strong draughts between the many entrances. Very short section of stream with catfish

Identified Species

Bats; porcupine - *Atherurus macrourus*, catfish

Unusual Species

Rat - n.sp; White isopods - R

Food Supply Routes

Guano: draughts; stream

Thailand Caves Database

Site Code 27

Palaeontology

Description

Main entrance chamber contains a few bones probably of bear and deer. One limb bone has been sharpened, either deliberately or by an animal gnawing

Species Found

Deer; Bear

Archaeology

Description

Large dry entrance chamber with a water source 1km away. >20 crude limestone tools and small pottery sherds from several pots found. Bear and deer remains. One limb bone was sharpened at the end.

Artifacts

stone tools; cord-marked pottery; burnished pottery; animal remains

Environment

Description

Long, complex cave with many entrances, located in a hill with little forest cover. Cool air temperatures reflect cold season timing.

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>	<i>O2 Low %</i>
17	89				

Further Data

average of 9 measurements - January, February

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed. Guano extraction has now ceased

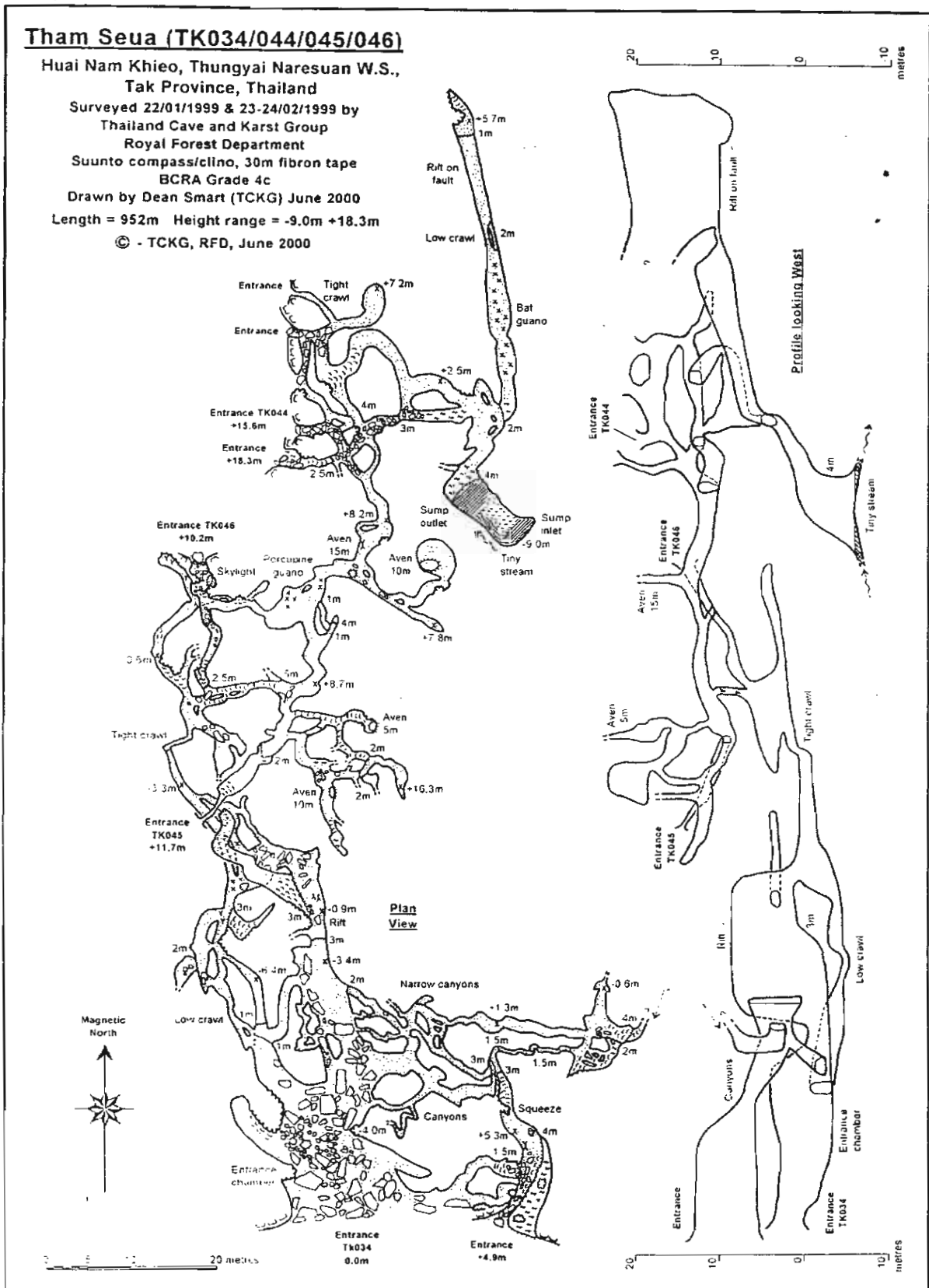
<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

Sediment Disturbance

Impact Sources

Resource Extraction



Thailand Caves Database**Site Code 28***English Names***Tham Phet, TK036***Thai Names***ถ้ำเพชร TK036****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4839 IV	47P	504832	1701436	15.390689	99.045028
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1090	801	22	C:\Cave Database\Maps\Tak\TK0036.tif		

Access Description

Walk on good footpath for 30 minutes to SW from Huai Nam Khieo ranger station. Find and enter the TK012 entrance located on NW side of the obvious tower after crossing a stream. Walk through that cave and exit via the TK013 entrance on the West side of the hill. Walk a further 30 minutes to the West until a permanent stream is met. From here, either follow the stream up, through TK025 and TK035 to this resurgence entrance at the upstream end of the big doline. Or, cross the stream and climb up and over the hill on a good footpath before dropping down the stream in the doline and finding this resurgence entrance.

General Description

A large active stream through cave with extensive upper levels. From the resurgence entrance, TK036, easy walking in a passage 5m high and wide, leads around a bend to where the passage enlarges dramatically to 20m high and 10m wide. The upper levels enter here 6m above the stream. Continuing at stream level meanders around several bends for some 150m to a flowstone bridge. Soon after crawling over this the stream passage becomes a low wet crawl before exiting at the sink entrance of TK037. At the start of the wet crawl is a 2m climb on the right. This leads to an upper level and a large entrance beside the sink. From the upper level, a 3m climb up enters another level, from which a further 3m climb reaches the main upper levels. Straight ahead opens up into the main upper level chamber and the TK041 entrance. Right is easy walking past a passage on the left leading back to the main chamber, to an entrance, TK038. Scrambling down to the left here reaches a small chamber with several passages heading off and the TK039 entrance. One passage climbs 4m up boulders to TK040. The other passages soon end. Off the main chamber, a low bedding plane can be entered that becomes too low after 25m. At the bottom end of the main chamber, the stream is seen flowing along a canyon 6m deep. The ledge above this peters out, but a large passage to the right reaches another balcony further downstream. Scrambling up and left from here oxbows around back to a 15m pitch into the main chamber. Walking along the balcony, the cave opens up at a breakdown room and a point where it is possible to climb down to the stream. Huge flowstone forces the explorer down to the edge of the balcony and a slippery traverse on flowstone leads to a small room with termites. To the left of the stream sink entrance, a narrow rift can be entered. Tight crawls and a squeeze eventually open up after 40m into a small chamber - the Lair of the Porcupine.

Thailand Caves Database

Site Code 28

Technical Description

A lot of climbing is required between the levels. Some pitches require ropes or ladders. A few tight squeezes.

Dangers

The streamway floods quickly and dramatically. Care is needed on some of the climbs. The Lair of the Porcupine is tight.

Outstanding Values

Excellent example of a multiple phase cave. The upper levels are phreatic and the present streamway is vadose. Varied sediments in all levels.

Geology

Description

Excellent e.g of multi-level cave, 5 levels +. Lithology change at 6m from overlying massive to dark, thinly bedded limestone marks change from phreatic to vadose. N-S fault guides cave. E-W bedding strike influence at stream level. Pinnacles in TK041 ent

Rock Type

Limestone

Rock Age

Permian

Sediments

Found at every level of the cave and variable ranging from large cobbles to sand in the lower levels and reddish soil in the higher parts.

Speleothems

Common forms; large flowstone; straws; flowstone bridges in stream passage and Lair of Porcupine

Further Data

Bedding dips 20 degrees to SE. Small basic dike in stream bed 30m downstream from TK036.

Hydrology

Description

Through stream cave carrying water collected on sedimentary rocks to the West. Water flows on to Tham Molakot

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km²</i>	<i>Flow, Cumec</i>
Mae Khlong		1.5	0.1

Further Data

date - January

Thailand Caves Database

Site Code 28

Biology

Description

Rich fauna, especially aquatic species. Most are surface derived with ecology based on stream food supply. Very similar to Tham Molakot. Roots enter the Lair of the Porcupine and termites inhabit one room with red soil. Used by serow

Identified Species

Shrimp; fish - 2 loach sp, Danio; Scutigera; porcupine; serow; bats - *Rhinolophus* sp, *Aselliscus stoliczkanus*; termite

Food Supply Routes

Stream; guano; draught; roots

Environment

Description

Perennially active through cave in a well forested ridge.

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>	<i>O2 Low %</i>
17	90	16.8	8.3		

Further Data

Average of 3 measurements - January

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed. Possible sedimentation has now ceased

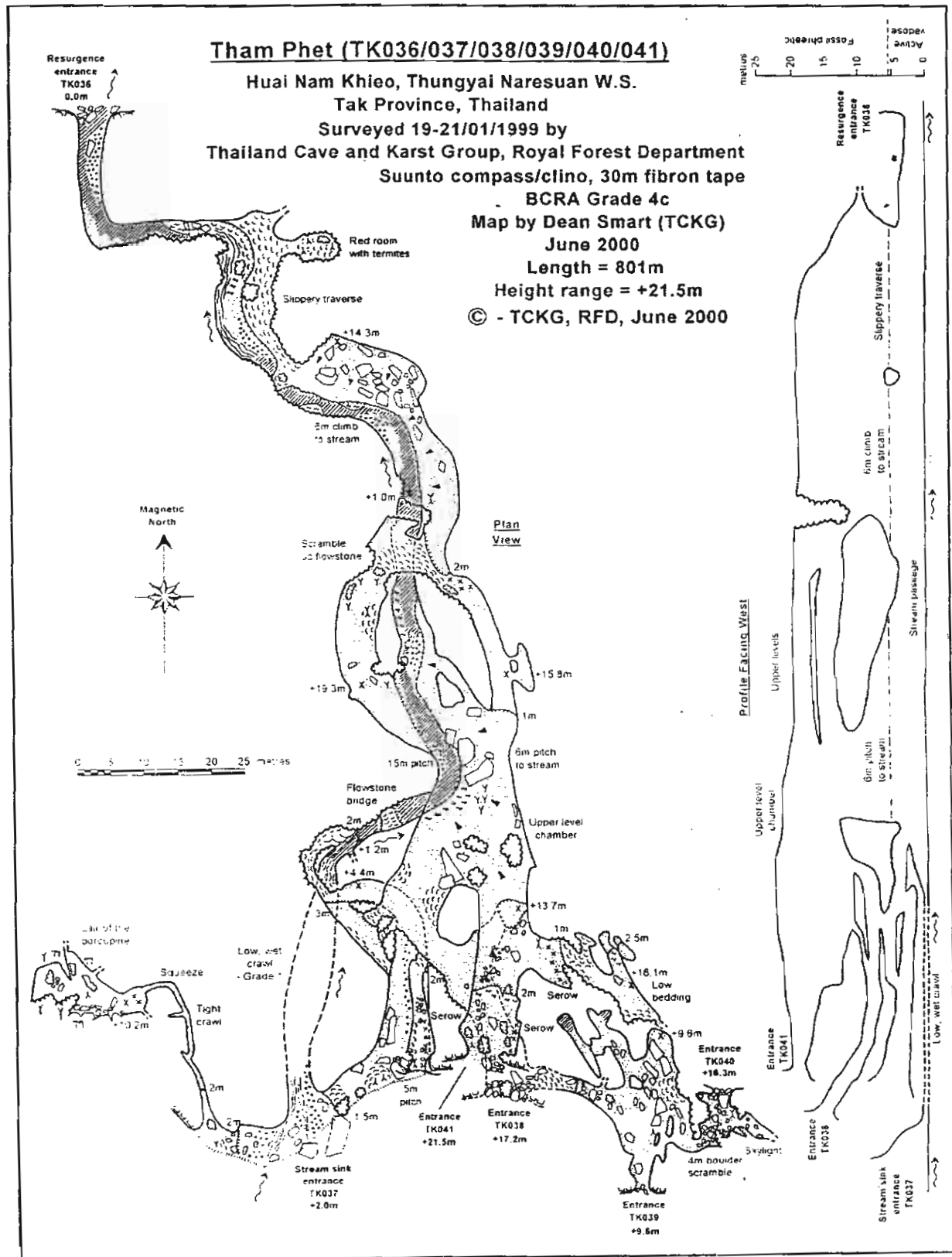
<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

Increased Sediment

Impact Sources

Deforestation; Agriculture



Thailand Caves Database**Site Code 29***English Names***Tham Tao, TK043***Thai Names***ถ้ำเต่า TK043****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4839 IV	47P	505732	1701593	15.392109	99.053421
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1080	100	7	C:\Cave Database\Maps\Tak\TK0043.tif		

Access Description

Walk on good footpath for 30 minutes to SW from Huai Nam Khiao ranger station. Find and enter the TK012 entrance located on NW side of the obvious tower after crossing a stream. Walk through that cave and exit via the TK013 entrance on the West side of the hill. Walk a further 30 minutes to the South around the large tower. This cave is found on the S side just above a small stream sink and old field.

General Description

Really two caves located next to each other. The left hand, obvious entrance drops down large boulders to a room partitioned by columns (The Turtle). Passing through these the cave lowers to a crawl ending in a stalactite grill with a strong draught. A hole in boulders at the left side of this entrance climbs down 3m into a chamber with breakdown (Beneath the Turtle). 10m to the right of the obvious entrance is a small hole in boulders. Scrambling down here reveals a larger room with many large speleothems (Beside the Turtle). A crawl at the back becomes too low. By squeezing down through a hole, a lower chamber is reached with low passages leading off (Bottom of the Turtle).

Technical Description

None

Dangers

Some of the boulder are loose

Outstanding Values

Complete turtle carapace and many bones of other animals

Thailand Caves Database

Site Code 29

Geology

Description

Small cave with geology masked by massive speleothem growth and breakdown. Low, wide bedding planes

Rock Type

Limestone

Rock Age

Permian

Sediments

Large breakdown in entrance; sand covering floor of upper parts with more muddy soils in lower levels

Speleothems

Heavily decorated for a small cave; common forms; large flowstones and columns in 'Beside the Turtle'; straws in lower parts

Hydrology

Description

Tiny stream flowing from forest to SW sinks just below cave. Impenetrable and destination unknown

River System

Mae Khlong

Stream Name

Catchment Area, km²

0.5

Flow, Cumec

0

Further Data

data - January

Palaeontology

Description

Many bones and teeth of a variety of animals in entrance chamber though no skulls. Also, a near complete carapace of a large tortoise (CL = 45cm)

Species Found

Deer; Small Cat; Rodent; Bat; Asian Giant Tortoise - *Manouria emys*

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

Low

Manager

Royal Forest Department

Impacts

None

Tham Tao (TK043)

Huai Nam Khieo, Thungyai Naresuan W.S.
Tak province, Thailand

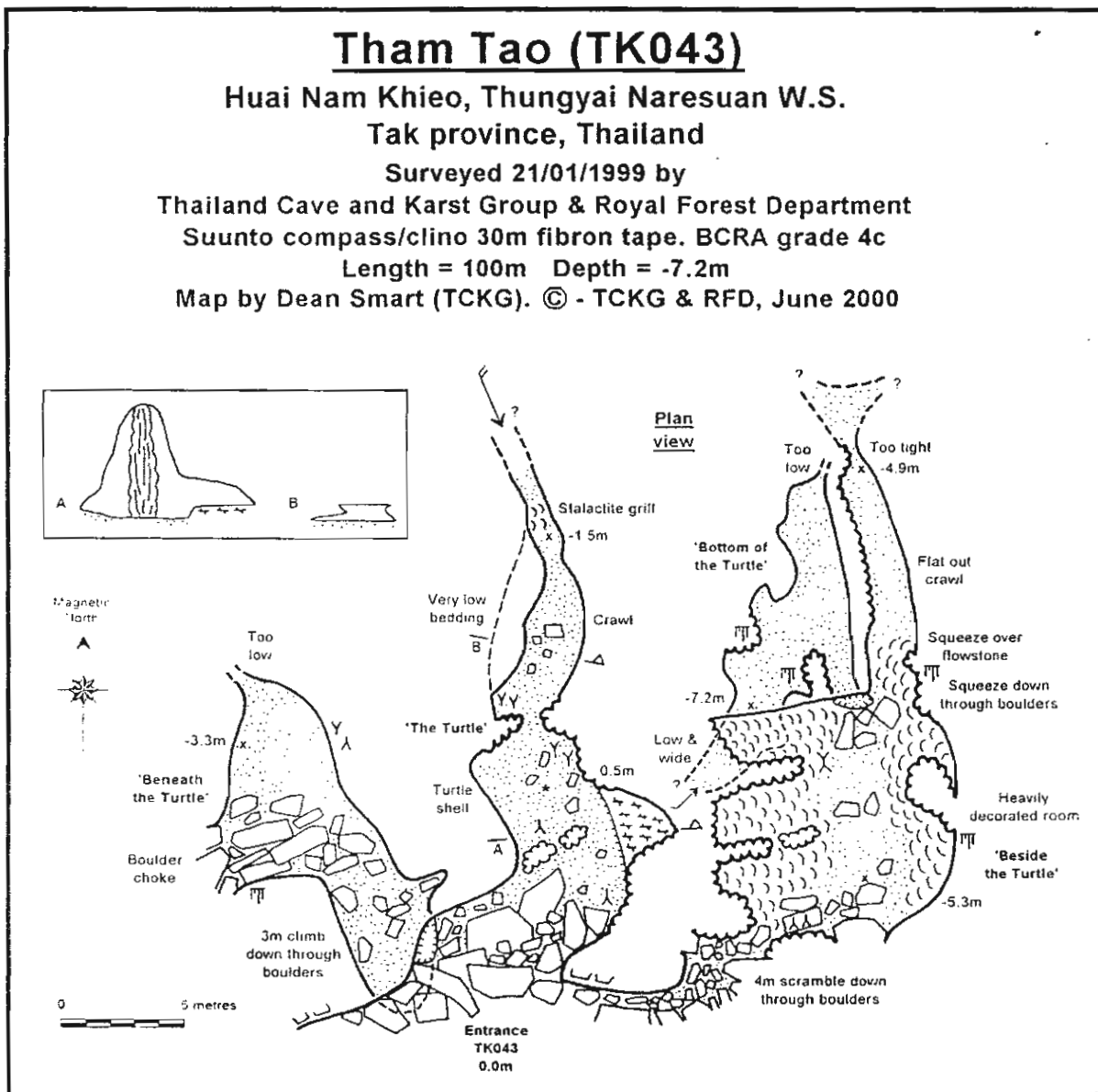
Surveyed 21/01/1999 by

Thailand Cave and Karst Group & Royal Forest Department

Suunto compass/clino 30m fibron tape. BCRA grade 4c

Length = 100m Depth = -7.2m

Map by Dean Smart (TCKG). © - TCKG & RFD, June 2000



Thailand Caves Database

Site Code 30

English Names

Thai Names

TK047

TK047

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4839 IV	47P	506421	1701544	15.391670	99.059837
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1080	26	6	C:\Cave Database\Maps\Tak\TK0047.tif		

Access Description

Follow the good footpath South from Huai Nam Khieo ranger station. After c.1 hours walk a low limestone ridge is met. This small cave is found on the East side.

General Description

Straight in from the entrance ends quickly. Right leads to a climb and a crawl ending in flowstone.

Technical Description

None

Dangers

None

Outstanding Values

Sediment roof and large snail shells.

Geology

Description

Tiny cave with interesting sediments stuck to the roof. Broken speleothem breakdown

Rock Type

Limestone

Rock Age

Permian

Sediments

inwashed soil stuck to the roof and on floor; breakdown is blocks of broken speleothem

Speleothems

flowstone

Palacontology

Description

Small cave with hundreds of large snail shells in sediments stuck to the roof.

Species Found

Land Snail

Thailand Caves Database

Site Code 30

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

Low

Manager

Royal Forest Department

Impacts

None

TK047

Huai Nam Khieo, Thungyai Naresuan W.S.

Tak province, Thailand

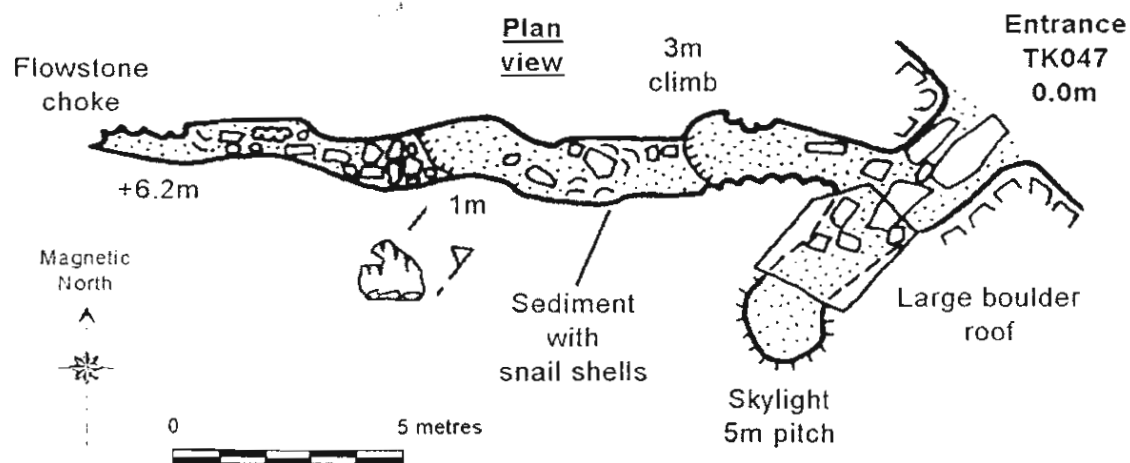
Surveyed 26/02/1999 by

Thailand Cave and Karst Group & Royal Forest Department

Suunto compass/clino 30m tape. BCRA Grade 3c

Length = 26m Depth = +6.2m

Map by Dean Smart (TCKG). © - TCKG & RFD, June 2000



Thailand Caves Database**Site Code 31***English Names***TK048***Thai Names***TK048****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4839 IV	47P	506184	1701516	15.391409	99.057632
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1080	125	2	C:\Cave Database\Maps\Tak\TK0048.tif		

Access Description

Follow the good footpath South from Huai Nam Khieo ranger station. After c.1 hours walk a low limestone ridge is met with grassland surrounding it. This large, obvious entrance is on the West side of the ridge.

General Description

Very wide entrance gains an equally wide bedding passage that oxbows around and out of the cliff 30m beyond. A small stream outlet is too immature.

Technical Description

None

Dangers

None

Outstanding Values

Elephants use the cave

Geology*Description*

Formed by near static, very aggressive marsh water. At least 5 different levels of notching with the wide, low bedding plane main passage being 1 level. Geological structure is of secondary importance to marsh level. The present stream is underfit

Rock Type

Limestone

Rock Age

Permian

Sediments

Stream channel is floored with small gravel and runs between sand and mud banks 1m high.

Speleothems

Common forms; some small straws and helictites

Thailand Caves Database

Site Code 31

Hydrology

Description

Seasonal stream sink for water flowing from hills to south. Stream is underfit and its destination is unknown

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km2</i>	<i>Flow, Cumec</i>
Mae Khlong		0.75	0

Further Data

date - February

Biology

Description

Surface based fauna. The rare bat, *Ia io* roosts here and the entrance is used by elephants

Identified Species

elephant

Unusual Species

bat - *Ia io* (R)

Food Supply Routes

Stream; near surface

Management

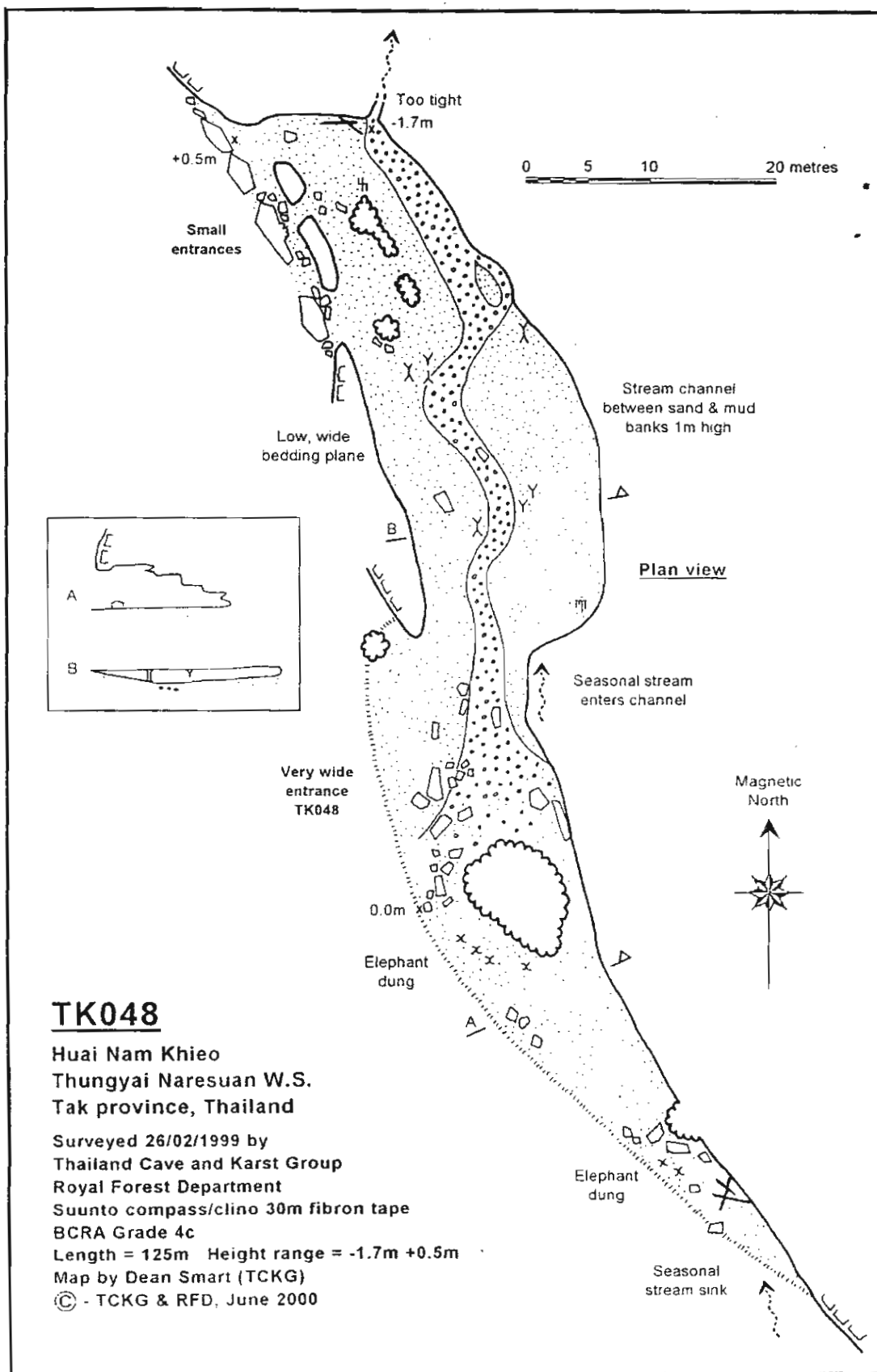
Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None



Thailand Caves Database**Site Code 32***English Names***Tham Mor, TK049***Thai Names***ถ้ำหม้อ TK049****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4839 IV	47P	504972	1702613	15.401339	99.046333
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1070	1139	16	C:\Cave Database\Maps\Tak\TK0049.tif		

Access Description

Walk on good footpath for 30 minutes to SW from Huai Nam Khieo ranger station as for TK012. Upon reaching that cave, turn right and walk North for a further 30 minutes. Find the obvious seasonal stream gully and follow it downstream to this stream sink entrance.

General Description

Seasonally active stream cave with very complex upper levels. The stream sink entrance, TK049, has an upper level entrance and a lower rift taking the stream. The stream passage continues straight and narrow for 50m. A short series of parallel rifts opens up again into tall rift passage following the same fault as before. The stream passage now becomes smaller and meanders a little until a large upper level breaks into the roof and the TK028 entrance appears. The upper levels are very complex and only a brief description is given here. Entering via TK049, a passage on the left leads to TK055. Straight ahead and right, drops down a 2m climb to a very wide passage. This passage becomes wider and turns a bend before reaching the TK029 and TK054 entrances. At the bend, a 3m climb enters a very tight crawl leading to another entrance, TK058, and a 5m pitch to a short lower level. At the start of the wide passage, opposite the 2m climb down, a 1m climb up opens out into a chamber above the stream passage. Twin 8m pitches drop down to stream level. Going off left, 2 routes meet at TK056 and a short loop to TK057. By entering the other passage at TK057 a series of rifts and squeezes rejoin the roof of the main stream passage some 50m downstream of the chamber. Stepping across to the balcony on the other side reveals a walking sized passages and a 4 way junction. Left ends at the TK053 entrance, straight ahead ends at a flowstone filled room with a skylight and right contains a tight crawl and a 4m climb down into the chamber above the stream passage. The rest of the upper levels are accessed from the downstream end of the cave. 30m in from the entrance a small passage on the right opens up to reveal TK059. The upper level continues for another 30m to where an 8m pitch into the stream passage stops progress. Some prehistoric pottery was found here.

Technical Description

Vertical equipment is needed on the pitches between levels, although all can be bypassed. A 10m ladder is needed for the 5m pitch into the lower level at TK058. Squeezing and crawling is required, some of it very tight.

Thailand Caves Database**Site Code 32*****Dangers***

The stream passages flood quickly in wet weather. Route finding in the upper levels is difficult, although it would be difficult to get lost. Some of the squeezes are very tight, especially the crawl to TK058.

Outstanding Values

Excellent example of a cave with multiple phases of development, both phreatic and vadose. The phreatic upper levels reach a maze-like complexity and display good examples of phreatic morphology. Contains a single (broken) prehistoric pot.

Geology***Description***

Very complex cave with phreatic and vadose passages. Strong NW-SE fault guides the main phreatic upper level and vadose stream passage which form a classic keyhole. Maze-like away from the fault, lacking any trend. At least 2 levels of development

Rock Type

Limestone

Rock Age

Permian

Sediments

Gravel floors the streamway. Upper levels have sand and inwashed soil. Some good false floors in upper side passages. Large scale breakdown in entrances.

Speleothems

Common forms; large gour pools and flowstone bridges; some straws

Hydrology***Description***

Normally dry. In very wet weather, floodwater diverted North from Tham Than Lot flows through this cave

River System

Mae Khlong

Stream Name***Catchment Area, km²***

4

Flow, Cumec

0

Further Data

date - April

Biology***Description***

Not fully investigated. Stream based ecology in lower level, with guano and wind based in upper parts. Many bats. Used by porcupines and serow.

Identified Species

Porcupine; serow; bats - *Aselliscus stoliczkanus*, large *Vespertilionid* (la io?)

Food Supply Routes

Stream; guano; draught

Thailand Caves Database

Site Code 32

Archaeology

Description

Single, large cord-marked pot (c.50cm rim diameter) on a ledge in the upper level.
Broken into several large sherds, some having fallen into the stream passage below.

Artifacts

cord-marked pottery

Environment

Description

Seasonally active through cave located in a thinly forested ridge in a lowland area with poor drainage. 100% humidity

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>	<i>O2 Low %</i>
20	100				

Further Data

average 2 measurements - April, May

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.
Possible sedimentation from nearby fields now ceased

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

Increased Sediment

Impact Sources

Deforestation; Agriculture



Thailand Caves Database**Site Code 33***English Names***TK050***Thai Names***TK050****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northing</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	497850	1724677	15.600830	98.979942
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
880	150	10	C:\Cave Database\Maps\Tak\TK0050.tif		

Access Description

Drive South along the track from Utakhi ranger station. Where the track reaches to top of the hill after 4km, walk to the West heading for an obvious saddle in the hills. Upon reaching the saddle, drop down the steep hill into the stream valley on the other side. This cave is the sink for the stream in the valley and is found by following the stream down for 1km.

General Description

The stream sinks into mud and rocks. To the left is an overflow channel leading to two cave entrances. The first entrance quickly pops out into a doline where the stream is met again on the other side of a low ridge. The stream quickly sinks again. At the end of the doline is a large overflow sink that can also be reached from the second entrance.

Walking passage leads to a crawl and a 10m high skylight. The passage turns sharp right and drops down an awkward 4m climb. Another 4m climb follows after 30m and drops into a room. To the right passes an aven to reach a duck. Just beyond the stream enters from a low passage on the right and exits immediately down a tight hole on the left. Ahead a short muddy crawl opens into a larger boulder filled room, incompletely explored and draughting.

Technical Description

One 4m climb is awkward and requires bamboo

Dangers

Floods completely in wet weather

Outstanding Values

Fine example of immature, active passages with larger, semi-active overflows.

Thailand Caves Database

Site Code 33

Geology

Description

Fine example of immature, active lower passages and larger seasonal overflows. Largely phreatic in origin formed along small faults and strike of the bedding.

Rock Type

Limestone

Rock Age

Permian

Sediments

Mud deposited where water ponds, i.e. final chamber and dips in passages. Large breakdown in final room and entrance.

Speleothems

Very few; small common forms

Hydrology

Description

Perennial stream sink cave. Stream flows through immature passages with larger, flood overflows above. A lot of water sinks here in the rainy season. The rising is unknown, though Huai Wak resurgence (TK0023) is 10km to the West

River System

Mae Khlong

Stream Name

Catchment Area, km²

3

Flow, Cumec

0.1

Further Data

date - April

Biology

Description

Not fully investigated. Stream based ecology with a few bats.

Identified Species

A few bats - *Rhinolophus luctus*?; small snake

Food Supply Routes

Stream

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

High

Manager

Royal Forest Department

Impacts

None

TK050

Pha Far, Thungyai Naresuan W.S.
Tak province, Thailand

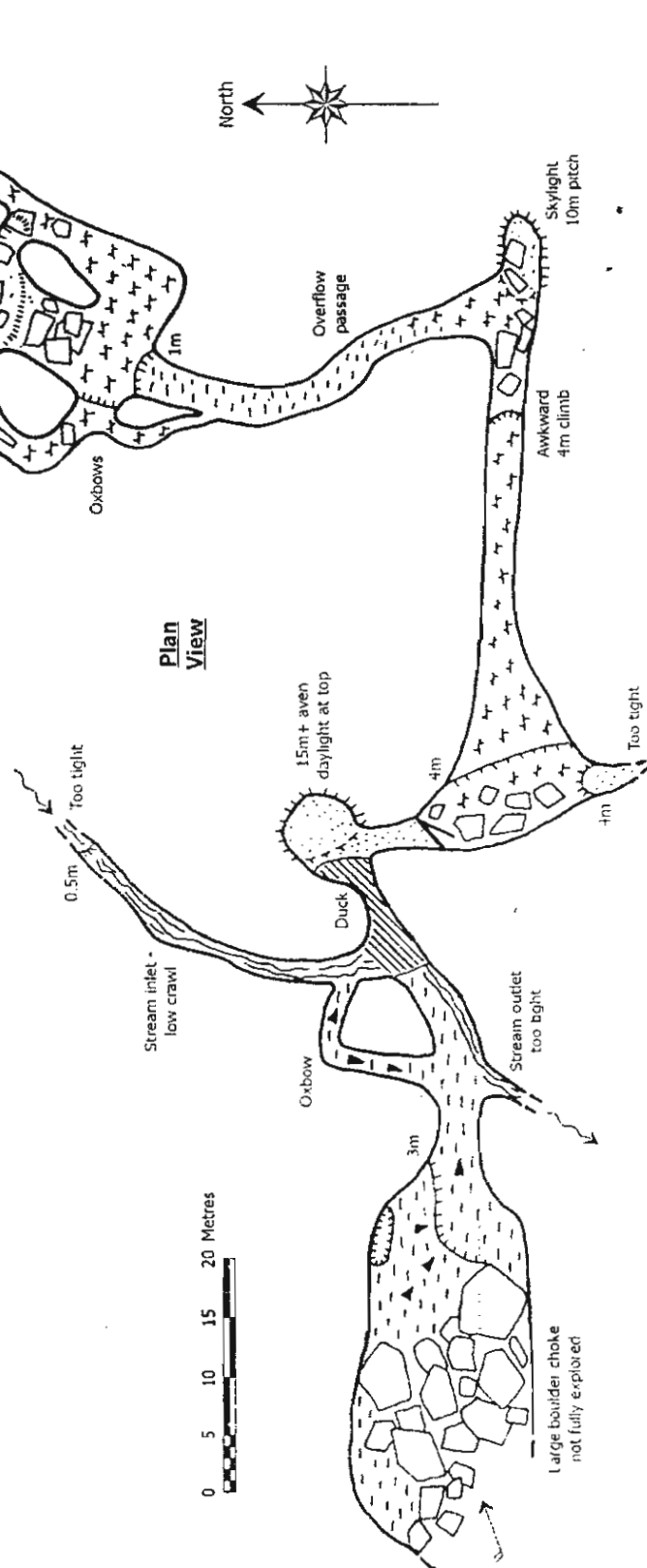
Surveyed 26/4/1999 by Thailand Cave and Karst Group,
Royal Forest Department, Terry Bolger & Anna Rita Rivelli

BCRA Grade 1a

Length = c.150m Depth = c.-10m

Map by Dean Smart (TCKG)

© - TCKG & RFD, June 2000



Thailand Caves Database

Site Code 34

English Names

TK051

Thai Names

TK051

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	498400	1723677	15.591790	98.985076
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
900	25	9	C:\Cave Database\Maps\Tak\TK0051.tif		

Access Description

Drive South along the track from Utakhi ranger station for c.5km. About 1km after the track has started descending the other side of the hill, walk to the West for 1km. Upon reaching the top of the ridge opposite drop down the steep hill into the stream valley on the other side. This cave is the sink for the stream in the valley and is found by following the stream down for 500m.

General Description

Entrance is a 4m climb down through boulders. The walking passage at the bottom descends to a sump.

Technical Description

None

Dangers

Raised CO₂ levels at the end and floods completely in the rainy season

Outstanding Values

None

Geology

Description

Small overflow cave formed along fault and strike of bedding. Bedding dips 45 degrees to NE

<i>Rock Type</i>	<i>Rock Age</i>
Limestone	Permian

Sediments

Gravel and breakdown. Sand choke at end

Speleothems

Few, small common forms

Thailand Caves Database

Site Code 34

Hydrology

Description

Short cave acting as a flood sink and ending in a sump. Perennial stream sinks just up valley. Resurgence unknown, though Huai Wak resurgence (TK0023) is 10km to the West

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km²</i>	<i>Flow, Cumec *</i>
Mae Khlong		1.5	0.1

Further Data

date - April

Management

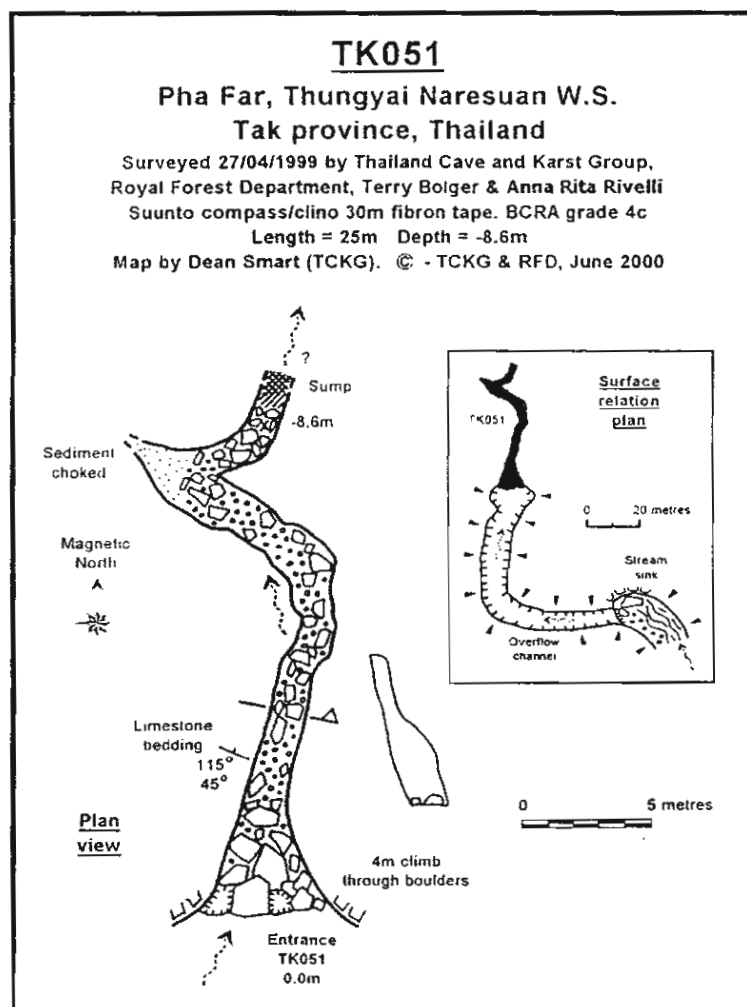
Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None



Thailand Caves Database**Site Code 35***English Names**Thai Names***TK052****TK052****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	498400	1723677	15.591790	98.985076
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
920	50	0	C:\Cave Database\Maps\Tak\TK0052.tif		

Access Description

Drive South along the track from Utakhi ranger station for c.5km. About 1km after the track has started descending the other side of the hill, walk to the West for 1km. Upon reaching the top of the ridge opposite drop down the steep hill into the stream valley on the other side. This cave is found in the cliff above the sink for the stream in the valley. Follow the stream down for 500m to find the sink.

General Description

A 5m climb up the cliff reaches this obvious entrance. Inside the cave follows the cliff line to the left and right. Several other side entrances are revealed and connected by a terrace outside. A passage at the left hand end ascends to a round room with bats. To the right is an undescended 15m hole in the floor.

Technical Description

Ropes needed for the hole.

Dangers

None

Outstanding Values

A complete cord-marked pot was found in a low side chamber.

Geology*Description*

Ancient phreatic cave with high aven and deep shafts in the floor. Bare limestone shelf runs along cliff at entrance level

<i>Rock Type</i>	<i>Rock Age</i>
Limestone	Permian

Sediments

sandy soil with guano covers floor

Speleothems

Some large, old flowstone

Thailand Caves Database

Site Code 35

Biology

Description

Surface fauna. Serow use the cave and bats (unidentified) roost in a small side chamber

Identified Species

Serow; bat

Food Supply Routes

Near surface; guano

Archaeology

Description

Large dry cave near a permanent stream contains a single, small cord-marked pot (12cm rim diameter) in a dark alcove. Pot is unbroken

Artifacts

cord-marked pottery

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

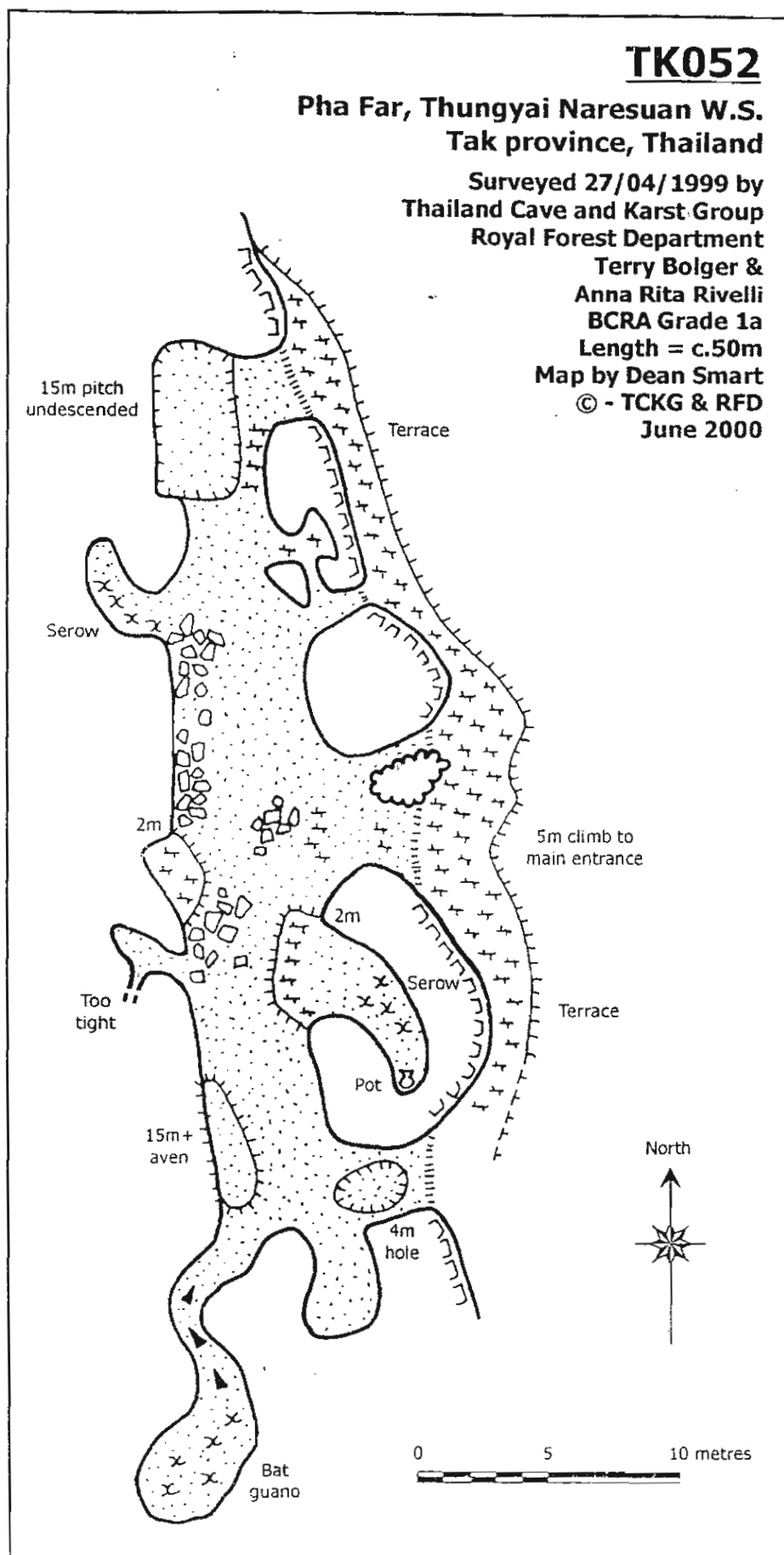
Low

Manager

Royal Forest Department

Impacts

None



Thailand Caves Database

Site Code 36

English Names

Tham Me Hark, TK061

Thai Names

ถ้ำมะฮาก TK061

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	497338	1740238	15.741519	98.975151
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
990	10	0	C:\Cave Database\Maps\Tak\TK0061.tif		

Access Description

2km along the track North of Ka Ngae Khi headquarters, there is an obvious limestone mountain on the left - Doi Rot Me. This cave is on the SW side of the mountain and difficult to get to due to undergrowth.

General Description

Very small cave, definitely not worth visiting. Small entrance leads to a small 'room' with another entrance to the right. A small passage loops back to 2m above the floor at the main entrance.

Technical Description

None

Dangers

Prickly & stinging plants, sharp limestone, death from exhaustion and disappointment

Outstanding Values

None

Management

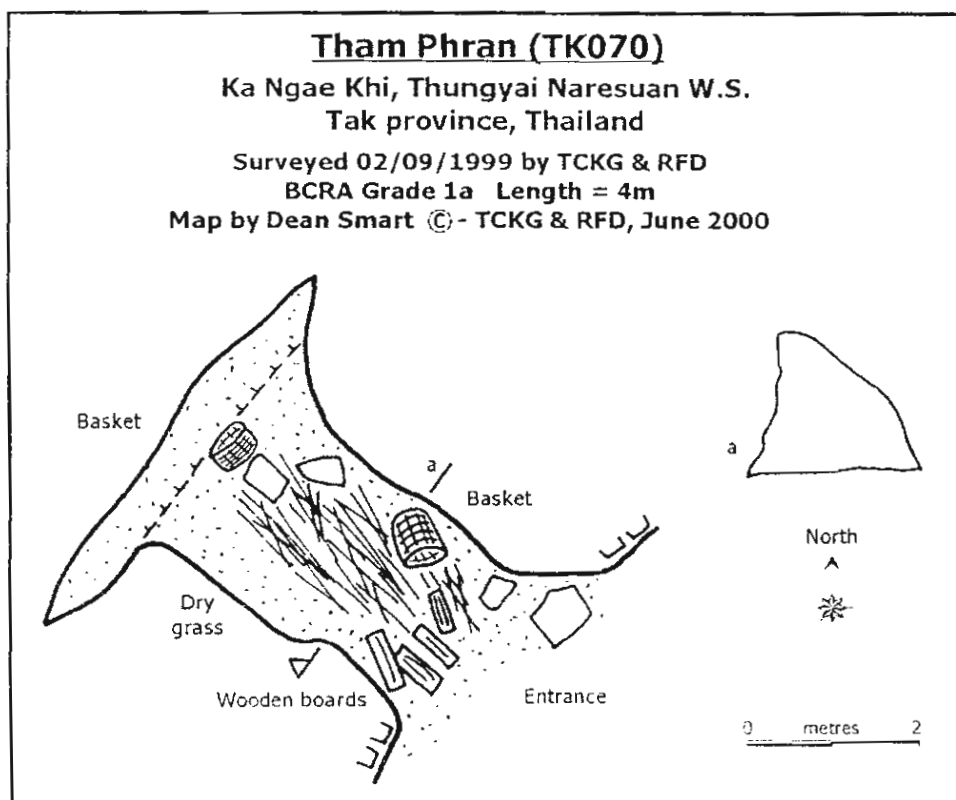
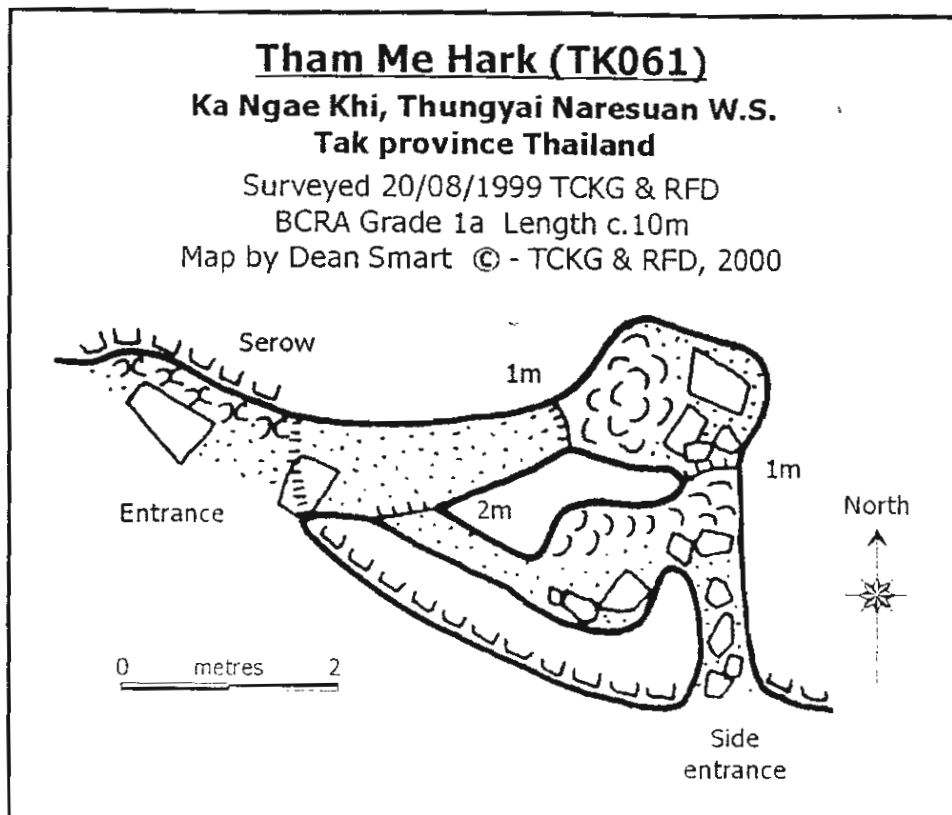
Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	Low	Royal Forest Department

Impacts

None



Thailand Caves Database**Site Code 38***English Names***Tham Phran, TK070***Thai Names***ถ้ำพราณ TK070****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	497550	1740450	15.743430	98.977127
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1000	4	0	C:\Cave Database\Maps\Tak\TK0070.tif		

Access Description

2km along the track North of Ka Ngae Khi headquarters, there is an obvious limestone mountain on the left - Doi Rot Me. This cave is on the East side of the mountain and is an obvious entrance at the base of a cliff.

General Description

Tiny cave used by hunters as a shelter. The triangular entrance leads to a cross rift and no way on.

Technical Description

None

Dangers

None

Outstanding Values

None

Culture*Description*

Small cave used by hunters for shelter.

Type of Use

Shelter

Time of Use

Recent, last 20 years

Artifacts

Bedding; Baskets

Management*Description*

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

High

Manager

Royal Forest Department

Impacts

None

Thailand Caves Database**Site Code 37***English Names**Thai Names***TK062****TK062****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	497162	1739945	15.738869	98.973510
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
950	144	14	C:\Cave Database\Maps\Tak\TK0062.tif		

Access Description

From Ka Ngae Khi headquarters, an obvious footpath heads West and then North through old fields. Walk along this path for 45 minutes to where it drops down off a low ridge. This stream sink is located on the other side of the fields, near to Doi Rot Me.

General Description

Seasonal stream sink can be entered by climbing down boulders to a low crawl. This opens quickly to walking passage that turns right and closes down after 30m. The stream outlet is too small. Straight ahead at the right hand bend, an upper level series is entered. Two large breakdown rooms lead to a crawl becoming too low after 25m. At the entrance to the first room, a low crawl to the right descends a series of short steps to meet the seasonal stream again. Tight crawling follows to where the stream exits down a tiny hole. Straight ahead is very tight crawl to a small chamber and boulder choke.

Technical Description

Some tight crawls.

Dangers

Slightly elevated CO₂ in the lower stream passage. Some boulders may be loose and bears use the cave. Floods to the roof in wet weather

Outstanding Values

Very interesting fauna with many, pale invertebrates.

Geology*Description*

Formed in thinly bedded (0.2-2m) dipping limestone with inclined breakdown rooms floored with slabs. Passages are guided partly by joints cutting through the bedding and the strike and dip (to NE) of the bedding

<i>Rock Type</i>	<i>Rock Age</i>
Limestone	Triassic

Sediments

Large breakdown slabs in upper chambers with mud on floor. Streamway is floored with small gravel with lining sand banks

Speleothems

Good curtains on sloping rooves of chambers; small popcorn common: common forms

Thailand Caves Database

Site Code 37

Hydrology

Description

Seasonal stream sink draining old fields to south and west. Destination of water unknown

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km²</i>	<i>Flow, Cumec</i>
Mae Khlong		0.5	0

Further Data

date - August

Biology

Description

Very interesting and varied fauna based on stream input. May have several troglobitic species. Requires more study. Bears and porcupines use the cave.

Identified Species

Bat - *Rhinolophus* sp (c.10); *Scutigera*; Huntsman spider; cricket; cockroach; porcupine; bear; long-legged, brown opilone

Unusual Species

Small, white isopod - T; tiny, white mite(?) - T; rat - n.sp.

Food Supply Routes

Stream; guano

Environment

Description

Stream sink cave in semi-forested/semi-grassland area. Seasonal stream sink with one entrance. no draught and high humidity

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>	<i>O2 Low %</i>
22	95			1.2	

Further Data

date - August

Management

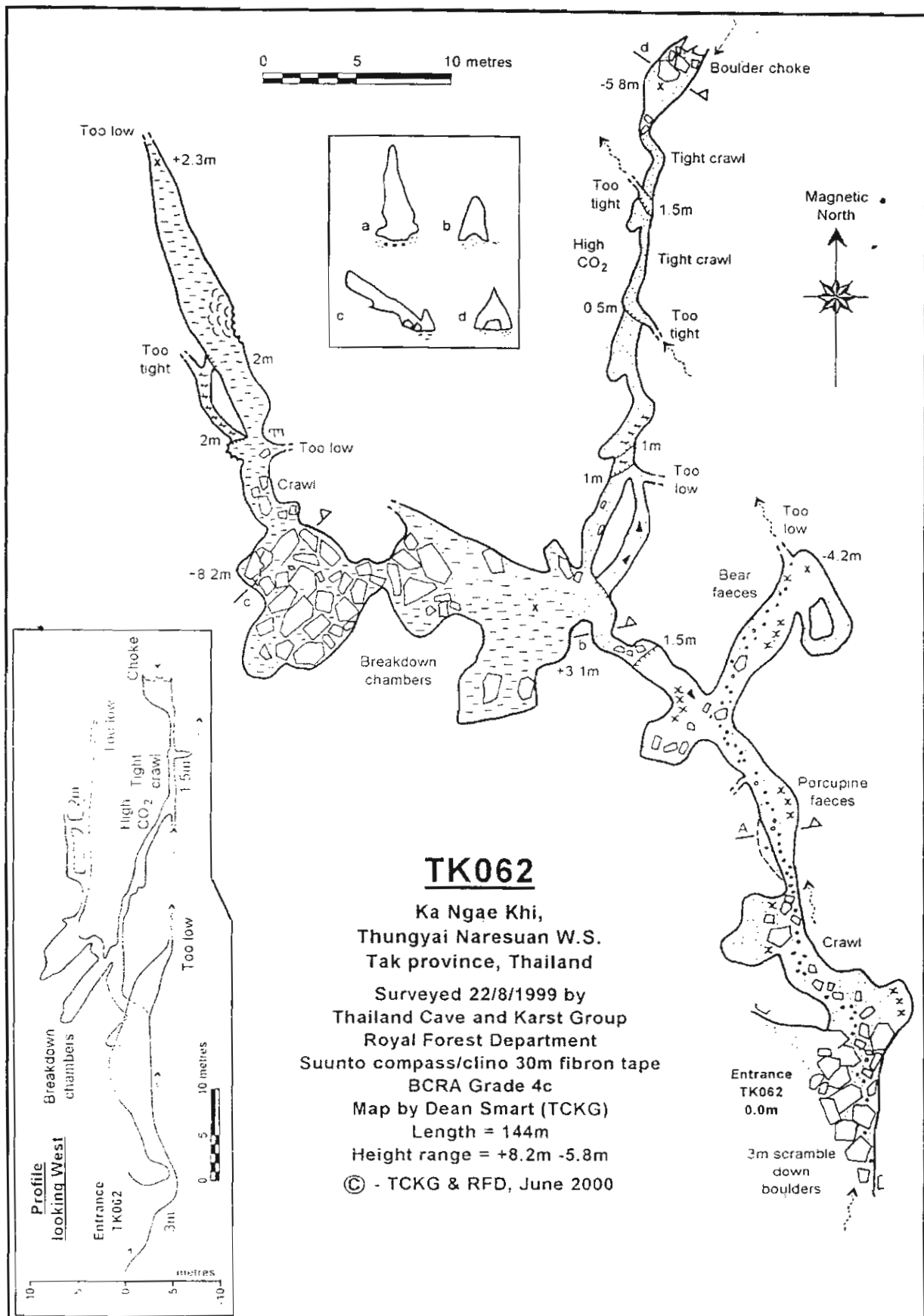
Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None



Thailand Caves Database**Site Code 39***English Names***TK071***Thai Names***TK071****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	496860	1738987	15.730210	98.970687
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1030	12	0	C:\Cave Database\Maps\Tak\TK0071.tif		

Access Description

Walk on the footpath heading West and then North from Ka Ngae Khi headquarters. After passing TK062, head across the fields to the base of the large ridge opposite. Walk SouthEast along the base until climbing up into a large hidden doline after 1km. This cave is found in the rocky area on top of the saddle at the far side of the large doline.

General Description

Tiny cave with a single passage ending at a small skylight.

Technical Description

None

Dangers

None

Outstanding Values

None

Geology*Description*

Typical small boneyard cave, formed phreatically in the sub-soil zone. Many others in area.

<i>Rock Type</i>	<i>Rock Age</i>
Limestone	Permian

Management*Description*

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

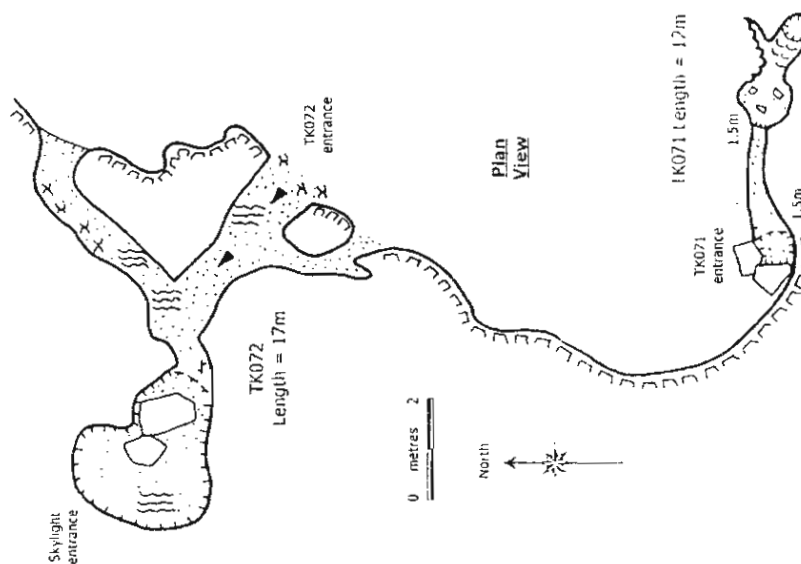
None

TK071 & TK072

Ka Ngae Khi, Thungyai Naresuan W.S.
Tak province, Thailand

Surveyed 30/11/1999 by Thailand Cave and Karst Group
Royal Forest Department & Orpheus Caving Club
Suunto compass/clino, 30m tape BCRA Grade 4c
Total length = 29m

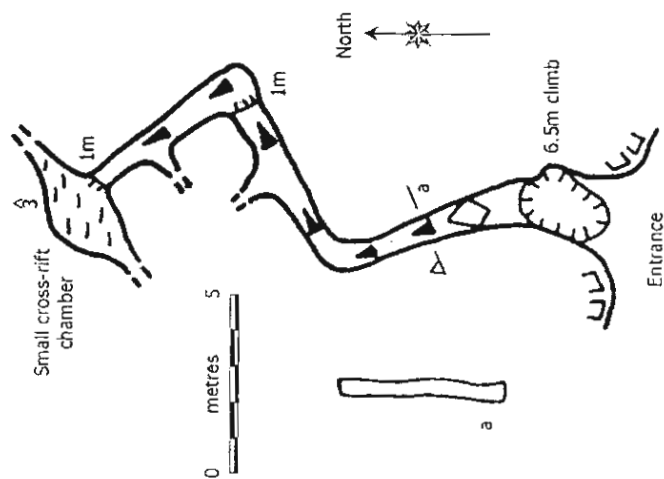
Map by Dean Smart © - TCKG, RFD & OCC, June 2000



Tham Takharp (TK073)

Ka Ngae Khi, Thungyai Naresuan W.S.
Tak province, Thailand

Surveyed 30/11/1999 by Thailand Cave and Karst Group
Royal Forest Department & Orpheus Caving Club
BCRA Grade 1a Length c.30m Depth c.-22m
Map by Dean Smart © - TCKG, RFD & OCC, June 2000



Thailand Caves Database**Site Code 40***English Names***TK072***Thai Names***TK072****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	496860	1738987	15.730210	98.970687
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1030	17	0	C:\Cave Database\Maps\Tak\TK0071.tif		

Access Description

Walk on the footpath heading West and then North from Ka Ngae Khi headquarters. After passing TK062, head across the fields to the base of the large ridge opposite. Walk SouthEast along the base until climbing up into a large hidden doline after 1km. This cave is found in the rocky area on top of the saddle at the far side of the large doline.

General Description

Small cave with two entrances joining just inside and leading to a large skylight.

Technical Description

None

Dangers

None

Outstanding Values

None

Geology*Description*

Typical small boneyard cave, formed phreatically in the sub-soil zone. Many others in area.

<i>Rock Type</i>	<i>Rock Age</i>
Limestone	Permian

Management*Description*

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None

Thailand Caves Database**Site Code 41***English Names***Tham Takharp, TK073***Thai Names***ถ้ำตะขารบ TK073****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	496860	1738987	15.730210	98.970687
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1030	30	22	C:\Cave Database\Maps\Tak\TK0073.tif		

Access Description

Walk on the footpath heading West and then North from Ka Ngae Khi headquarters. After passing TK062, head across the fields to the base of the large ridge opposite. Walk SouthEast along the base until climbing up into a large hidden doline after 1km. This cave is found just below the top of the rocky saddle at the far side of the large doline.

General Description

A narrow rift at the bottom of the 6.5m entrance climb bends right and then left before dropping into a small cross-rift room. No way on.

Technical Description

Entrance climb is slightly awkward.

Dangers

None

Outstanding Values

None

Geology*Description*

Typical small boneyard cave, formed phreatically in the sub-soil zone. Many others in area.

<i>Rock Type</i>	<i>Rock Age</i>
Limestone	Permian

Management*Description*

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	Low	Royal Forest Department

Impacts

None

Thailand Caves Database

Site Code 42

English Names

TK074

Thai Names

TK074

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	?	?		
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
?	21	14	C:\Cave Database\Maps\Tak\TK0074.tif		

Access Description

Located in the prominent limestone ridge 2km West of the headquarters. Hard to find and no co-ordinates available.

General Description

Small cave with two entrances. Climbing down two 1.5m steps enters a small room with an 8m deep hole to an overtight passage.

Technical Description

The 8m climb can be descended without equipment

Dangers

None

Outstanding Values

None

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

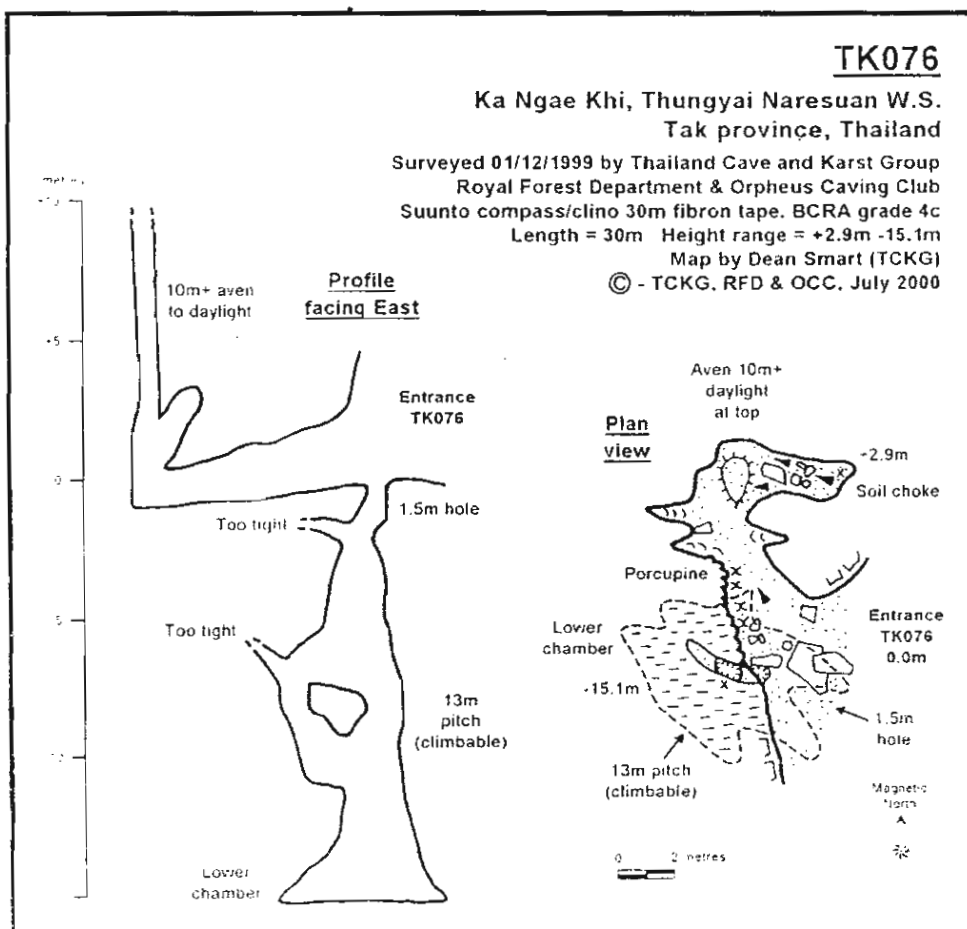
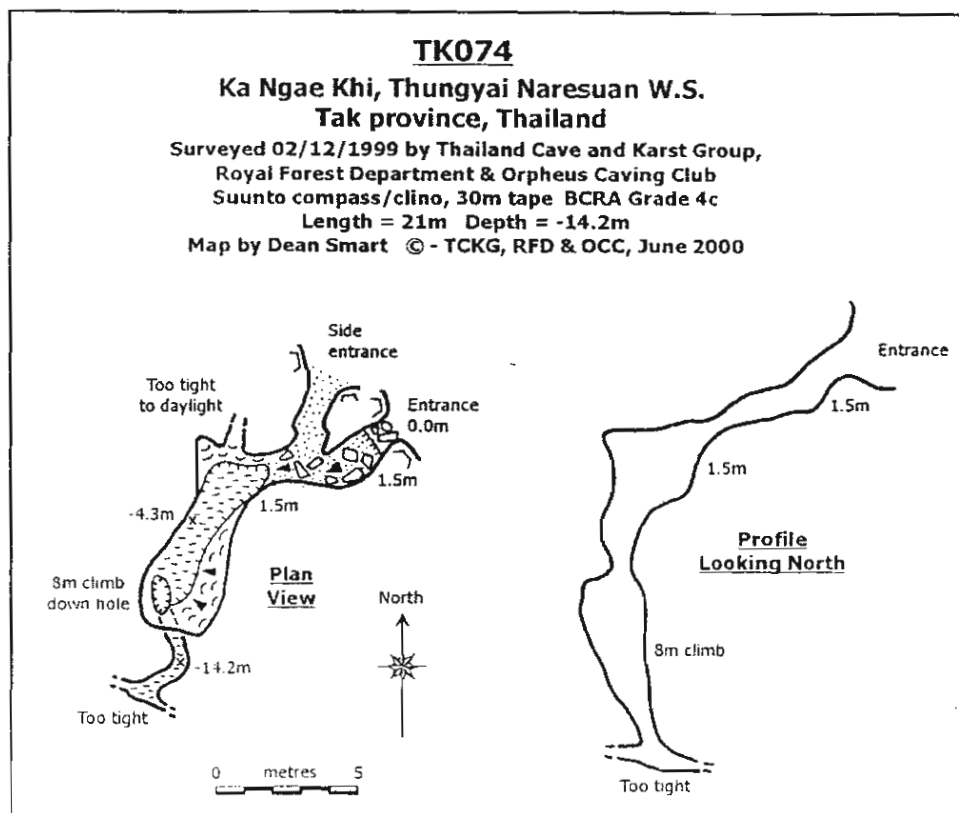
High

Manager

Royal Forest Department

Impacts

None



Thailand Caves Database**Site Code 46***English Names***TK076***Thai Names***TK076****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	497016	1739323	15.733240	98.972152
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
990	30	18	C:\Cave Database\Maps\Tak\TK0076.tif		

Access Description

Walk on the footpath heading West and then North from Ka Ngae Khi headquarters. After passing TK062, head across the fields to the base of the large ridge opposite. Walk SouthEast along the base until this obvious entrance is reached after 500m at the base of a cliff.

General Description

The large entrance leads in, turns right and finishes at a soil choke. A 10m high aven has daylight at the top. At the entrance, a small hole to one side opens into a free-climbable 13m pitch. The chamber at the bottom is choked with mud. Formed in Permian limestone.

Technical Description

13m climb requires care

Dangers

None

Outstanding Values

None

Management*Description*

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None

Thailand Caves Database

Site Code 43

English Names

Thai Names

TK077

TK077

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>			<i>Zone</i>
Tak	Umphang	WS Thungyai Naresuan East			North
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	?	?		
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
?	17	3	C:\Cave Database\Maps\Tak\TK0077.tif		

Access Description

In the limestone ridge 2km West of the HQ. Hard to find and no co-ordinates available.

General Description

Tiny cave climbing up to a flowstone choke.

Technical Description

None

Dangers

None

Outstanding Values

None

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

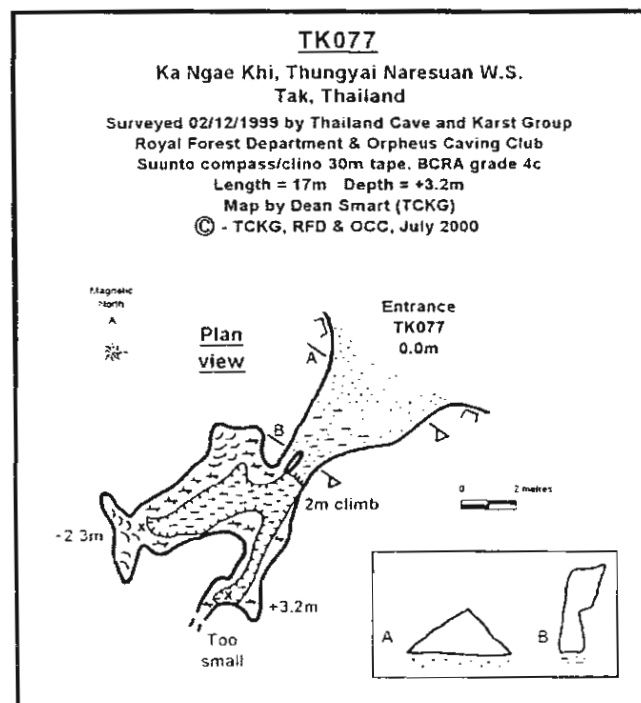
High

Manager

Royal Forest Department

Impacts

None



Thailand Caves Database

Site Code 44

English Names

Yu Nai Sinks, TK204

Thai Names

ที่น้ำมุดยูไน TK204

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>			<i>Zone</i>
Tak	Umphang	WS Thungyai Naresuan East			North
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	492500	1735700		
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
660	0	0	n/a		

Access Description

Walk downvalley from Yu Nai ranger station for 1 hour to TK005. From here head NW for 1km to an obvious valley where the sinks are located.

General Description

A series of 7 spectacular, seasonal stream sinks in dolines 20m deep formed in a valley floor at the contact of Permian limestone and sedimentary rocks. Most are choked at surface, one has a small cave that is choked after 30m. Not labelled.

Technical Description

None

Dangers

The dolines would flood rapidly in heavy rain.

Outstanding Values

None

Hydrology

Description

Series of 7 seasonal, choked stream sinks in a valley NW of TK005. Their resurgence(s) are unknown. Catchment area is for all 7 sinks combined and comprises the non-carbonate hills to east.

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km²</i>	<i>Flow, Cumec</i>
Mae Khlong		1	0

Further Data

date - December

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None

Thailand Caves Database**Site Code 45***English Names***Huai Bi Sink, TK200***Thai Names***ที่น้ำมุดห้วยบี TK200****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	490989	1721129		
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
940	0	0	n/a		

Access Description

Walk down the Huai Bi valley from Thung Nar Noi ranger station for nearly 1 day. The footpath passes right past a series of large dolines in tufa and mud where the stream sinks.

General Description

Series of small to medium dolines in soil and tufa. The Huai Bi sinks here to rise again 1km further downvalley. Not labelled.

Technical Description

None

Dangers

Whole valley floor may become flooded very quickly.

Outstanding Values

Example of underground stream flowing through Quaternary tufa

Geology*Description*

Valley is floored with extensive tufa. Stream sinks into this in dry season and flows underground for c.1km.

Rock Type

Tufa

Rock Age

Quaternary

Speleothems

Most of the valley floor is made of tufa deposits

Hydrology*Description*

During the dry season, the Huai Bi sinks into the valley floor and resurges again c.1km to the N. Floods overpower the sink and flow on the surface

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km²</i>	<i>Flow, Cumec</i>
Mae Khlong	Huai Bi (Huai Lathaboeng)	175	0.25

Further Data

date - November

Thailand Caves Database

Site Code 45

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

High

Manager

Royal Forest Department

Impacts

None

Thailand Caves Database**Site Code 47****English Names****Thai Names****TK078****TK078****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	496900	1738800	15.728509	98.971061
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1010	104	12	C:\Cave Database\Maps\Tak\TK0078.tif		

Access Description

Walk on the footpath heading West and then North from Ka Ngae Khi headquarters. After passing TK062, head across the fields to the base of the large ridge opposite. Walk SouthEast along the base until climbing up into a large hidden doline after 1km. This cave is found in the bottom of the doline. The entrance is in the base of a cliff above a bouldery area.

General Description

Big entrance behind boulders leads down a flowstone slope to a chamber and rift to the lower stream passage. A crawl to either left or right meet at another chamber with a steeply sloping flowstone floor. The rift descend steeply to a 2m climb and the stream. The inlet is too tight. The outlet starts as walking size, but soon requires a scramble up boulders. A climb down the other side regains the stream and some tight squeezes, eventually becoming too tight.

Technical Description

None

Dangers

None

Outstanding Values

Very large speleothems with some straws and helictites

Geology**Description**

Massive speleothems mask the geology in the entrance chamber. Lower stream level is formed by gaps between massive boulders at the base of the entrance cliffline

Rock Type

Limestone

Rock Age

Permian

Sediments

Muddy in lower streamway with sandy soil and large breakdown in the entrance chamber

Speleothems

Massive columns and flowstone. Reasonable helictites and straws in entrance chamber and curtains on sloping roof

Thailand Caves Database

Site Code 47

Hydrology

Description

Very small stream flows through lower part of the cave. Origin and destination unknown though water is heard in boulders 50m NW of cave.

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km²</i>	<i>Flow, Cumec</i>
Mae Khlong			0

Further Data

date - December

Biology

Description

Varied invertebrate fauna, all surface forms. A few bats and porcupines. No aquatic fauna was noted. Near surface ecosystem.

Identified Species

Opilione - 3+ sp; cricket; Scutigera; Huntsman spider; Glyphylus; pond skaters; bat - Rhinolophus sp; porcupine; gecko

Food Supply Routes

Near surface; guano; stream; roots

Management

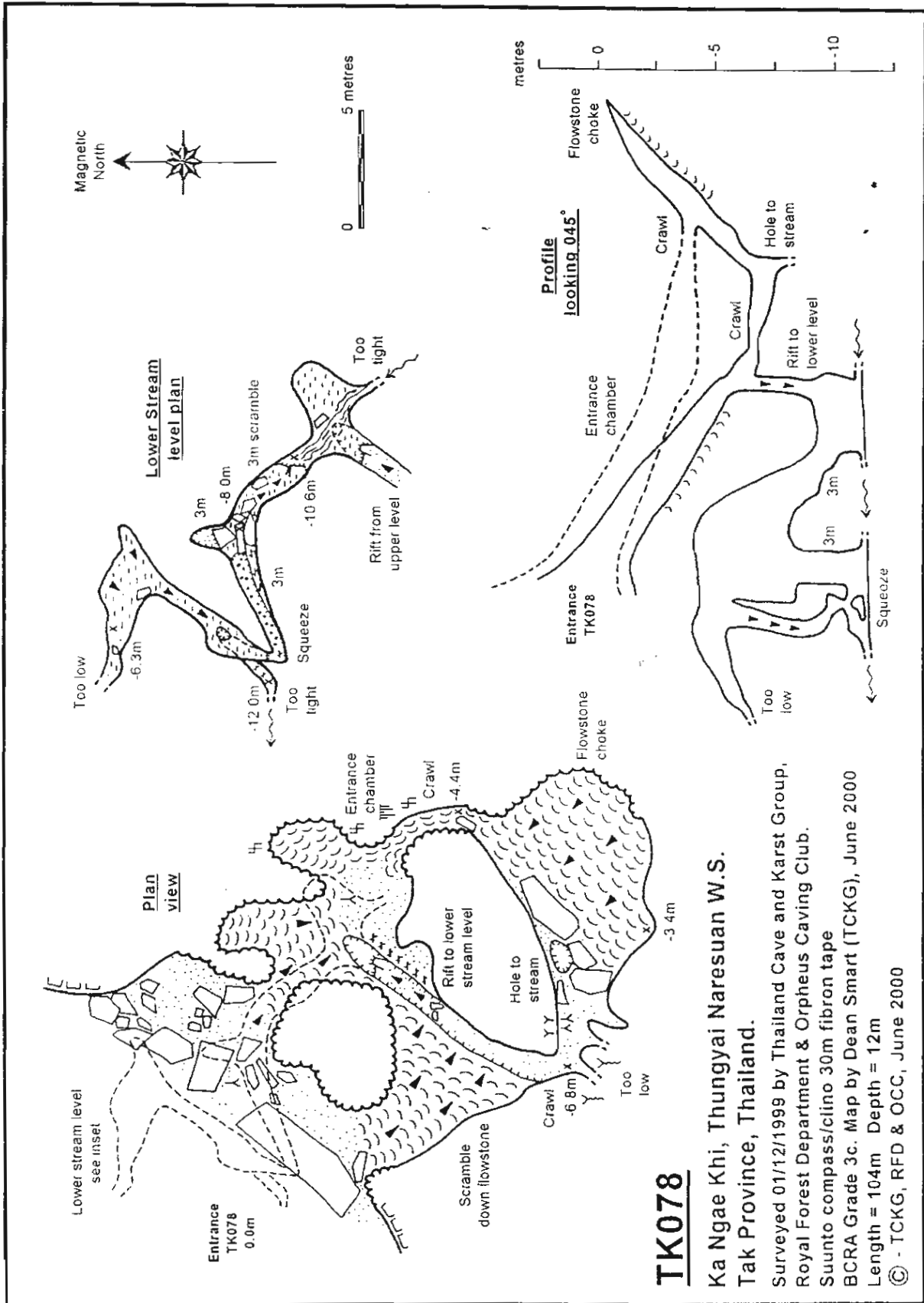
Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None



Thailand Caves Database

Site Code 48

English Names

Thai Names

TK079

TK079

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	491485	1733600	15.681489	98.920539
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
920	114	6	C:\Cave Database\Maps\Tak\TK0079.tif		

Access Description

2 hours walk from Yu Nai ranger station. Follow the good footpath down the valley past the sink of TK005. The path climbs up a ridge and drops down the other side. Cross through grass fields and follow the obvious stream gulley down to a small lake. The 3 entrances to this cave are found 100m-150m beyond the huge entrance of TK082.

General Description

The 'main' entrance leads to a 2m climb down into swamp water and low airspace. The swamp entrance reaches low airspace almost immediately. The Elephant entrance is a large chamber with some smaller passages off at the back. To the left is a walking passage descending to a pool. A climb up and over flowstone reaches two small entrances and swamp water with low airspace. A voice connection links the low airspaces in each cave.

Technical Description

None

Dangers

None

Outstanding Values

Possible habitation site owing to location and large chamber. Interesting sediments. Elephants use the cave.

Geology

Description

3 small interconnected caves of ancient phreatic origin modified through notching by marsh water. Interesting sediments

<i>Rock Type</i>	<i>Rock Age</i>
Limestone	Triassic

Sediments

Floor is covered by mud deposited by rising marsh water. Stuck to the walls at back of main chamber are poorly sorted, rounded to sub-rounded cobbles (20cm diameter) to small gravel in red clay matrix. No fabric. Provenance unknown, maybe 3km to NE

Speleothems

Few common forms; large flowstones

Thailand Caves Database

Site Code 48

Palaeontology

Description

A few animal remains - small antler, teeth of small cat and bamboo rat. Most likely modern

Species Found

Small deer; small cat; bamboo rat

Archaeology

Description

Ideal habitation site near permanent water. One small pottery sherd found. Animal remains are probably natural. Seasonal flooding may have buried most artifacts under mud.

Artifacts

cord-marked pottery; animal remains

Environment

Description

Series of 3 small caves partly filled with marsh water (low pH). High humidity due to proximity of marsh

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>	<i>O2 Low %</i>
20	93	18	6.7		

Further Data

date - December

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

High

Manager

Royal Forest Department

Impacts

None

TK079

**Yu Nai, Thungyai Naresuan W.S.
Tak province, Thailand**

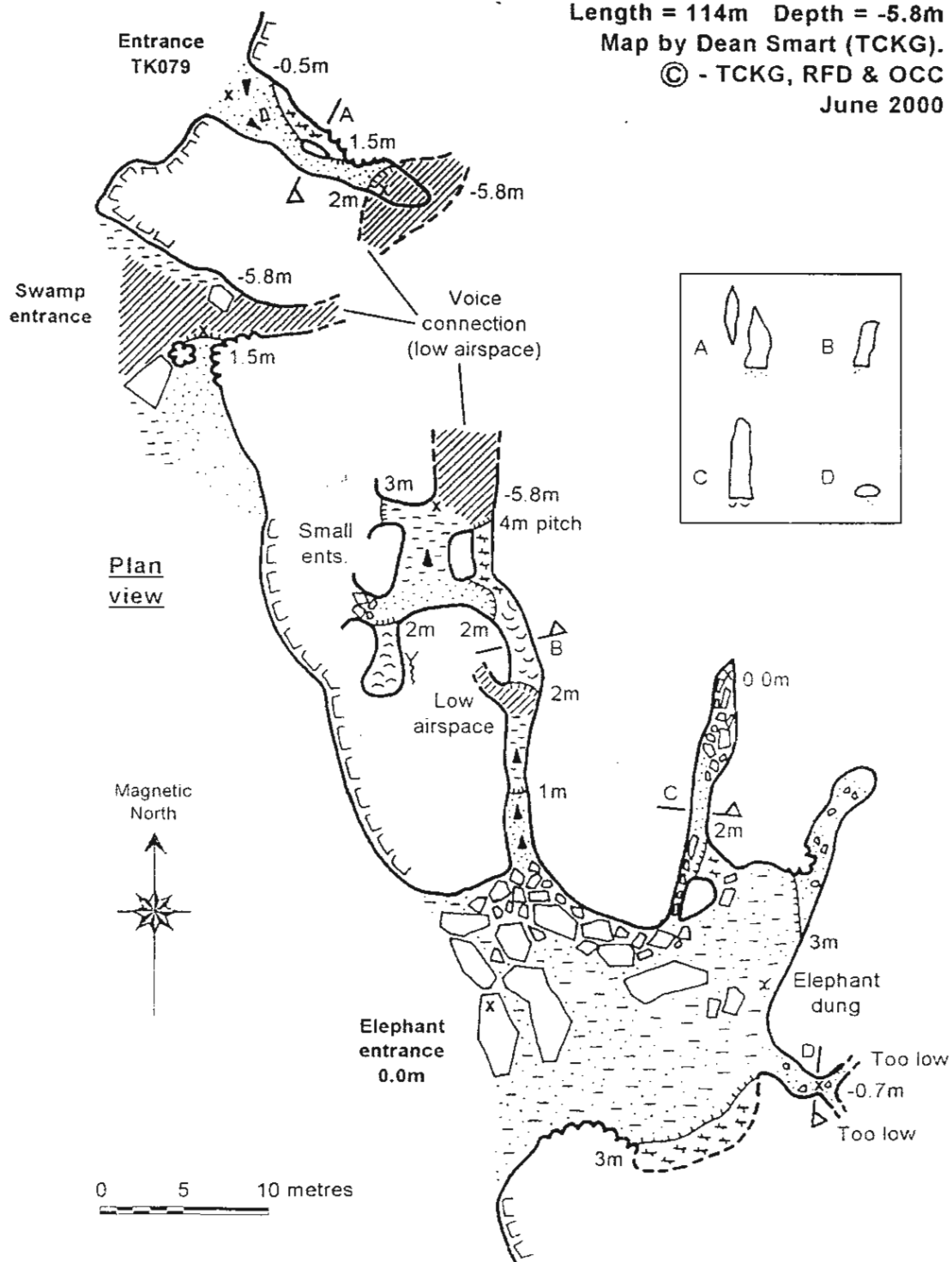
Surveyed 05/12/1999 by Thailand Cave and Karst Group,
Royal Forest Department & Orpheus Caving Club
Suunto compass/clino 30m fibron tape
BCRA Grade 4c

Length = 114m Depth = -5.8m

Map by Dean Smart (TCKG).

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June 2000



Thailand Caves Database**Site Code 49***English Names**Thai Names***TK203****TK203****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4839 IV	47P	504716	1702900		
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1070	0	0	n/a		

Access Description

Best found by walking to TK049 sink, going through that cave and onto the sinks 500m beyond. To reach TK049, walk on good footpath for 30 minutes to SW from Huai Nam Khieo ranger station. Upon reaching TK012, turn right and walk North for a further 30 minutes. Follow the obvious stream gulley down to the TK049 entrance. Go through the cave, emerge at the resurgence (TK028) and follow the stream gulley to the sink.

General Description

Seasonal stream sink in a series of dolines formed at a low point in a very broad doline floored with Permian limestone. All dolines are choked. Not labelled.

Technical Description

A ladder is needed to descend some of the dolines.

Dangers

Floods rapidly in very wet weather.

Outstanding Values

None

Hydrology*Description*

Downstream of TK049, the seasonal stream flowing through that cave sinks into a series of choked dolines. The rising is unknown

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km²</i>	<i>Flow, Cumec</i>
Mae Khlong		5	0

Further Data

date - April

Management*Description*

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None

Thailand Caves Database

Site Code 50

English Names

Thai Names

TK201

TK201

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4839 IV	47P	505906	1701540		
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
1055	0	0	n/a		

Access Description

Best approached via TK012 and TK043. Walk on good footpath for 30 minutes to SW from Huai Nam Khieo ranger station. Find and enter the TK012 entrance located on NW side of the obvious tower after crossing a stream. Walk through that cave and exit via the TK013 entrance on the West side of the hill. Walk a further 30 minutes to the South around the large tower to TK043. Continue beyond for about 500m, find a small stream and follow it down to the sink area.

General Description

The lowest point (marked 1055m) in the very broad Huai Nam Khieo doline is a large, flat boggy area where a perennial stream sinks into the Permian limestone floor. Not labelled.

Technical Description

None

Dangers

None

Outstanding Values

None

Hydrology

Description

The lowest point in the Huai Nam Khieo doline takes a small stream flowing from the hill containing TK012. It sinks into a flat, boggy area. Rising unknown

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km²</i>	<i>Flow, Cumec</i>
Mae Khlong		3	0.1

Further Data

date - February

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None

Thailand Caves Database**Site Code 51***English Names**Thai Names***TK202****TK202****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	499750	1720800		
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
930	0	0	n/a		

Access Description

Stop at the 2nd bridge along the track after Utakhi ranger station (a distance of c.7km). Walk Westwards towards the huge limestone cliff (Pha Fa). After 1km of elephant paths through grassland and old fields, a perennial stream is met. Follow this downstream to the sink.

General Description

A perennial stream sink that is choked. Just beyond, the stream is seen again in the floor of another doline, but cannot be followed. There are other dolines in the valley to the South - all choked. Two other seasonal stream sinks, one to the North, the other to the East are both choked. Formed at the contact of shale/sandstone and Permian limestone. Not labelled.

Technical Description

None

Dangers

None

Outstanding Values

None

Hydrology*Description*

Series of 3 stream sinks at Pha Fa. One is perennial, two are seasonal. The resurgence(s) are unknown. Catchment area size is for all 3 sinks combined.

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km²</i>	<i>Flow, Cumec</i>
Mae Khlung		7	0.1

Further Data

date - April

Management*Description*

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

None

Thailand Caves Database

Site Code 52

English Names

Thai Names

TK081

TK081

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	491889	1733324	15.678990	98.924308
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
940	26	12	C:\Cave Database\Maps\Tak\TK0081.tif		

Access Description

2 hours walk from Yu Nai ranger station. Follow the good footpath down the valley past the sink of TK005. The path climbs up a ridge and drops down the other side. Just after passing through an area of large pinnacles, climb up the ridge to the left and walk down into the small valley running parallel to the large valley with the footpath. This obvious rift entrance is in the floor of the valley.

General Description

Basically a single, straight rift passage descending to end in a sediment choke at the bottom. Too tight to follow at roof level.

Technical Description

None

Dangers

None

Outstanding Values

None

Geology

Description

Narrow, high rift guided by a fault. Bedding dips 10 degrees to east

Rock Type

Limestone

Rock Age

Triassic

Sediments

Inwashed soil at entrance with choke of reddish clay at bottom

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

Classification

3.1

Energy Rating

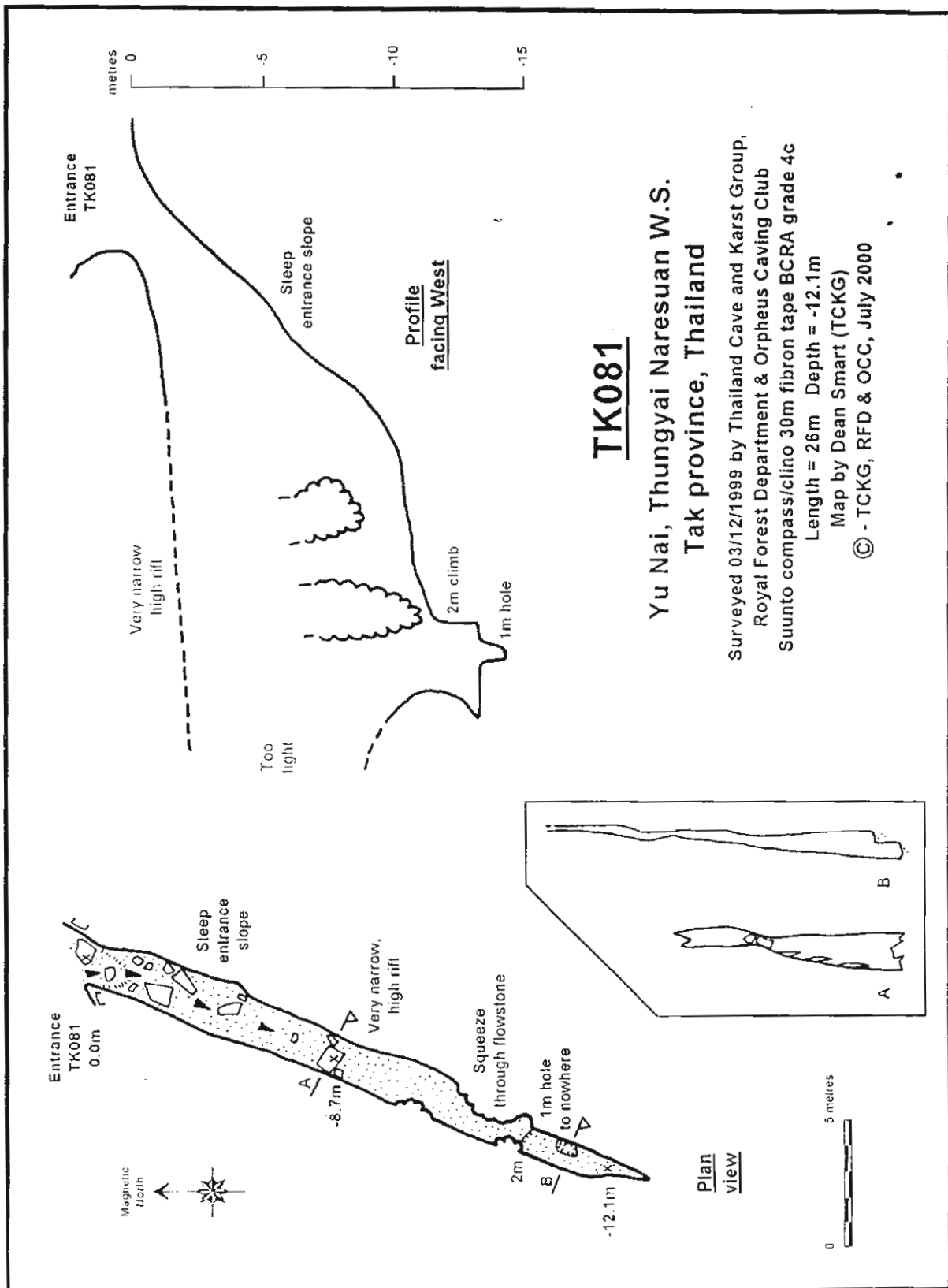
Low

Manager

Royal Forest Department

Impacts

None



Thailand Caves Database

Site Code 53

English Names

TK082

Thai Names

TK082

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	491484	1733498	15.680569	98.920532
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
920	163	3	C:\Cave Database\Maps\Tak\TK0082.tif		

Access Description

2 hours walk from Yu Nai ranger station. Follow the good footpath down the valley past the sink of TK005. The path climbs up a ridge and drops down the other side. Eventually a stream gulley is reached with grass fields. Follow the stream gulley down to a small lake and this massive entrance.

General Description

Very large entrance reduces in height to a meandering walking sized passage. An oxbow is passed at roof level on the right and a keyhole passage leads to a sharp left hand bend. Walking continues for another 20m and the roof lowers. Hands and knees crawling over mud gets progressively lower until it becomes impossible to go further.

Technical Description

None

Dangers

Floods quickly in wet weather

Outstanding Values

Nice passage geomorphology

Geology

Description

Complex history. Originally phreatic with a vadose phase creating keyholes. Much sediment and a half-tube suggests some paragenesis. Marsh water has enlarged the entrance through notching. 2 intersecting faults guide the cave, SE then NE.

Rock Type

Limestone

Rock Age

Triassic

Sediments

Gravel floored stream channel with low sandy bank becomes increasingly muddy into the cave. End in mud choke. Sand in upper levels

Speleothems

Few, small common forms

Further Data

Bedding dips 10 degrees to east. Good vadose morphologies in cave

Thailand Caves Database

Site Code 53

Hydrology

Description

Large seasonal stream sink, resurgence unknown

<i>River System</i>	<i>Stream Name</i>	<i>Catchment Area, km2</i>	<i>Flow, Cumec</i>
Mae Khlong		1	0

Further Data

date - December

Biology

Description

A few bats provide guano, though ecology is mostly stream based.

Identified Species

bat - *Megaderma lyra* (c.15); cricket; Opilione

Food Supply Routes

Stream; guano

Environment

Description

Seasonal stream sink located near to a marshy area with subsequently high humidity

<i>Air Temp C</i>	<i>Humidity %</i>	<i>Water Temp C</i>	<i>Water pH</i>	<i>CO2 High %</i>	<i>O2 Low %</i>
20	95				

Further Data

date - December

Management

Description

Remote, within a wildlife sanctuary and protected. Very unlikely to be developed.

<i>Classification</i>	<i>Energy Rating</i>	<i>Manager</i>
3.1	High	Royal Forest Department

Impacts

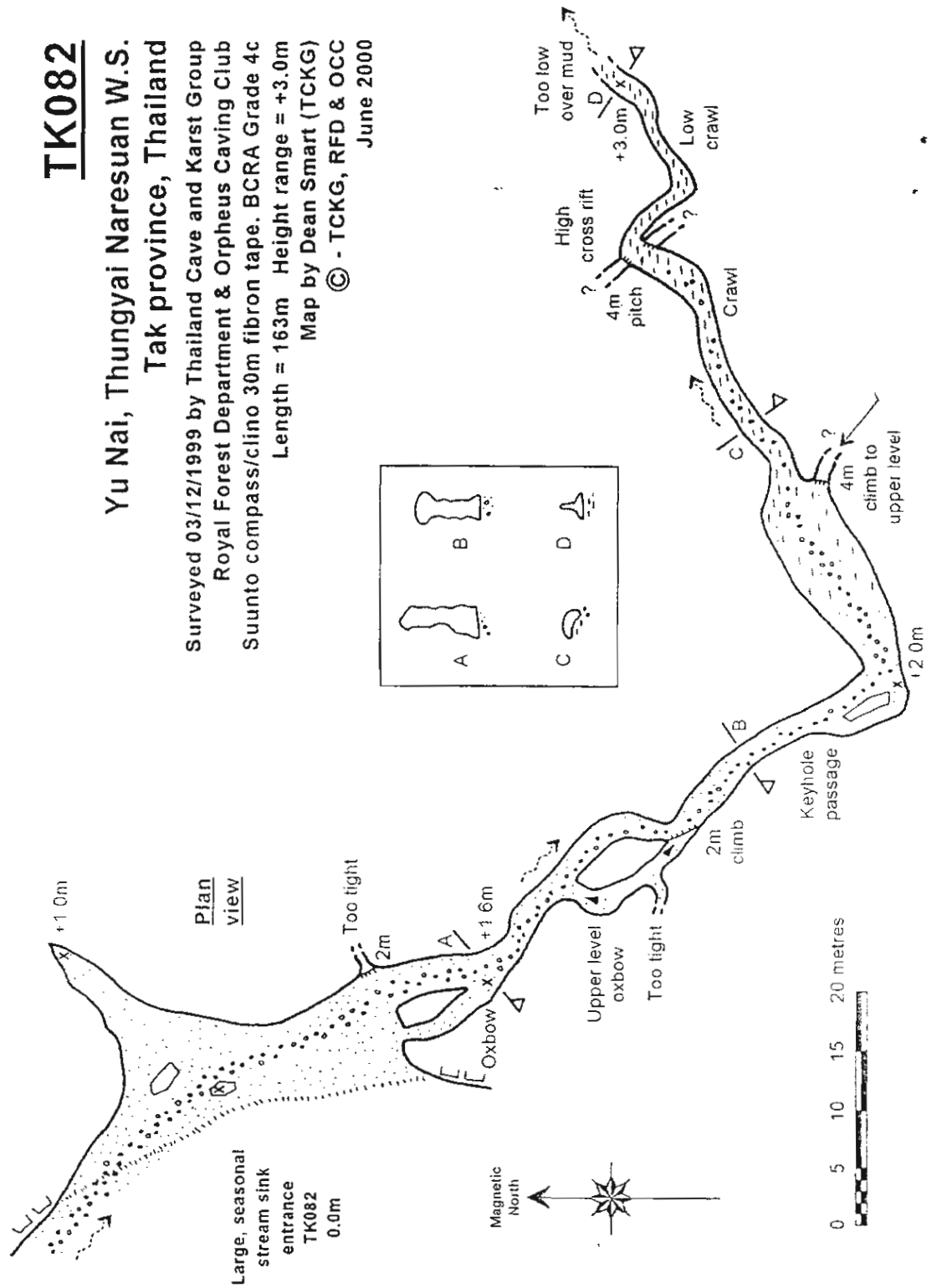
None

TK082

Yu Nai, Thungyai Naresuan W.S.
Tak province, Thailand

Surveyed 03/12/1999 by Thailand Cave and Karst Group
Royal Forest Department & Orpheus Caving Club
Suunto compass/clino 30m fibron tape. BCRA Grade 4c
Length = 163m Height range = +3.0m

Map by Dean Smart (TCKG)
© - TCKG, RFD & OCC
June 2000



Thailand Caves Database**Site Code 176***English Names**Thai Names***'Hohlen'****'โหล่หิน'****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	492746	1734259		
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
960	15	15	n/a		

Access Description

Next to the path from Yu Nai to Nong Ma Ngu lake, c.2 hrs walk from the station.

General Description

Undescended 15m deep shaft, 3m in diameter

Technical Description

Ropes or ladders required to descend. Belay to trees or boulders

Dangers

Vertical aspect requires care

Thailand Caves Database**Site Code 177***English Names**Thai Names***Nong Ma Ngu Sink****ที่น้ำมุดหนองมางู****Location**

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	491901	1733302		
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
910	10	0	n/a		

Access Description

On the east side of Nong Ma Ngu marsh at the base of a small cliff. 3 hours walk to the west of Yu Nai ranger station

General Description

Small stream sink taking a trickle of water from the marsh. Sumps after 10m. Rising unknown and not surveyed.

Technical Description

None

Dangers

Floods completely in wet weather

Thailand Caves Database

Site Code 178

English Names

Overflow Sink - Yu Nai

Thai Names

ที่น้ำมุดแห่งยูไน

Location

<i>Province</i>	<i>District</i>	<i>Protected Area</i>		<i>Zone</i>	
Tak	Umphang	WS Thungyai Naresuan East		North	
<i>Mapsheet</i>	<i>UTM Zone</i>	<i>Eastings</i>	<i>Northings</i>	<i>Latitude</i>	<i>Longitude</i>
4740 II	47P	493576	1734527		
<i>Elevation, m</i>	<i>Length, m</i>	<i>Depth, m</i>	<i>Survey File</i>		
910	0	0	n/a		

Access Description

Walk 1 hour west of Yu Nai ranger station to the perennial sink of TK005. Continue along seasonal overflow channel above for 500m and this overflow sink is at the base of a small cliff where the channel ends

General Description

Flood overflow sink for Tham Nam Mut Yu Nai. Completely choked with bamboo and logs. No draught. There may be other overflow sinks in the area. The rising is unknown

Technical Description

None

Dangers

Floods severely

Outstanding Values

None