



Caves and karst of SW Sarawak, Malaysia – an overview

David William GILL, David CLUCAS and Martin LAVERTY

Table S1: data relating to karst hills and blocks mentioned and discussed in the parent Report.

[On-line supplement: pp. S1 – S5]

Explanatory Key to column headings

Column 1	Map — The sub-area of SW Sarawak (see explanation on p.75 of the parent Report) within which the hill/block lies, cross-referencing the following Report figures: Area “1” — Figure 4 (Bau area) <i>[excepting rows 1 and 2, which lie SW of the Bau area on Figure 2 (The karst hills of the Bau–Serian area)]</i> Area “2” — Figure 3 (Padawan North area) Area “3” — Figure 5 (Padawan South area) Area “4” — Figure 6 (West Serian area) Area “0” — isolated “blocks” shown within the red-framed inset within Figure 1 (<i>The Bau–Serian karst area in SW Sarawak</i>).
Column 2	id — numerical Id assigned to individual hills/blocks in the Report.
Column 3	id/[myKarst] — as above, linked with the corresponding [number] (if any) from the Malaysian karst gazetteer (see Liew <i>et al.</i> , 2021) <i>[n.b. – “my” is the national code that identifies Malaysia]</i>
Column 4	names/[myKarst] — the name(s) used in this Report with corresponding alternative [name(s)], if any, from Liew <i>et al.</i> (2021).
Column 5	Karst notes — <u>brief</u> comments on the hill/block topography, <i>etc.</i>
Column 6	Vertical — difference between the hill/block high and low points.
Column 7	High — the highest altitude attained by the hill/block.
Column 8	Area — the area covered by the hill/block.
Column 9	Perimeter — the perimeter of the hill/block.
Column 10	Caves — how many caves are known within each hill/block.

Map	Id	Id [myKarst]	Name(s) [myKarst]	Karst notes	Vertical (m)	High (m)	Area (km ²)	Perimeter (km)	Caves (No in Block)
1	1	1	Balang (Barong)	Two moderately steep cones, just in Indonesia.	256	296	0.87	3.9	1
1	2	2 [321]	Tiong	Moderately steep cone, just in Malaysia.	149	209	0.23	1.77	3
1	3	3 [322]	Butoh	Two moderately steep cones and undulating lower area.	89	125	0.10	1.20	1
1	4	4 [323]	Magan [Magam]	Very steep-sided tower.	53	95	0.05	0.83	9
1	5	5 [324]	Panggau [Danau]	Gently sloped hill.	83	113	0.09	1.26	4
1	6	6 [325]	Podam [Stulang]	Moderately steep hills and depressions close to the Tepon River and Bau–Serikin road.	126	156	0.30	2.78	3
1	7	7 [326]	Stulang [Tibugai]	Steep sided tower.	137	169	0.06	0.92	2
1	8	8 [327]	Jowie [Jawlie]	Three moderate to steep hills with undulating low surround.	124	156	0.25	2.15	1
1	9	9	Sepit	Moderately sloped hill with two low peaks.	40	61	0.20	2.00	
1	10	10 [329]	Kapor (Kapow)	Steep sided block with peak rising from cockpit plain. Includes 0.56km ² (56 ha) Fairy Cave NR.	260	278	1.06	4.32	11
1	11	11 [330]	Umbut [Krian]	Steep sided tower. Part of the DKNP.	80	97	0.08	1.29	1
1	12	12 [330]	Jabul [Krian]	Low, moderate to steep sided block with elongated depressions. Part of the DKNP.	66	83	0.37	2.71	1
1	13	13 [330]	Apin [Krian]	Low, steep sided ridge. Part of the DKNP.	111	128	0.47	3.72	7
1	14	14 [330]	Tabai [Krian]	High, steep sided tower with moderately steep foothills. Part of the DKNP.	222	243	0.24	2.13	5
1	15	15 [330]	Taiton [Krian]	High, steep sided tower. Part of the DKNP.	257	272	1.10	5.38	
1	16	16 [330]	Sigemat [Krian]	Moderately steep sided hill with closed depression. Part of the DKNP.	124	140	0.3	2.3	
1	17	17 [330]	Sebaroh [Krian]	Moderately steep sided hill. Part of the DKNP.	116	133	0.23	2.08	1
1	18	18 [332]		Flat.	2	17	0.05	0.89	
1	19	19 [331]		Flat.	5	20	0.04	0.92	
1	20	20 [333]	Wind Cave (Lobang Angin)	Small, low rounded cone. NR.	56	69	0.07	1	1
1	21	21	Tondong	Small, low rounded cone.	73	81	0.08	1.04	
1	22	22 [339]	Pangga (Paku)	Majority of known caves probably destroyed by quarry since 1966.	149	163	1.51	5.01	10
1	23	23 [337]	Karang Bila	Low hill.	40	57	0.06	1.27	
1	24	24 [330?]	Bukit Young	Small, low hill.	19	39	0.01	0.29	1
1	25	25 [330]	Krian	Steep sided tower. Part of the DKNP.	270	290	0.99	4.32	5
1	26	26 [330]	Joara [Krian]	Moderately steep sided ridge with closed depressions. Part of the DKNP	232	292	1.29	11	6
1	27	27 [330]	Ropih [Krian]	Steep sided block with closed depressions. Part of the DKNP	301	326	1.02	5.6	4
1	28	28 [330]	Ngishibuah (Tongga) [Krian]	Steep sided block with closed depressions Part of the DKNP	188	228	0.81	3.96	1
1	29	29 [328]	Buduh [Sedaping]	Moderately steep hill on inclined slope of Gunung Ngian.	139	210	0.1	1.28	4
1	30	30 [330]	Lanyang [Krian]	Steep sided block with closed depressions.	154	197	1.02	4.07	1
1	31	31 [330]	Kawa [Krian]	Steep sided block with closed depressions. Part of the DKNP.	304	374	0.98	4.39	3

Table S1 Sheet 1 of 4: data relating to karst hills and blocks mentioned and discussed in the parent Report. Continues on Sheet 2 of 4.

Map	Id	Id [myKarst]	Name(s) [myKarst]	Karst notes	Vertical (m)	High (m)	Area (km ²)	Perimeter (km)	Caves (No in Block)
1	32	32 [330]	Jebong [Krian]	Moderately steep sided ridge with valleys. Part of the DKNP.	176	200	0.9	4.99	1
1	33	33 [330]	Grigar [Krian]	Steep sided block with small closed depressions (revealed by severe fire c.2016). Part of the DKNP.	410	434	2.59	7.25	3
1	34	34 [334]	Mias	Gently undulating.	47	75	0.15	1.49	
1	35	35 [335]		Gently undulating adjoining moderately steep cone.	65	90	0.16	1.7	
1	36	36 [336]	Duya [Doya]	Steep-sided block with closed depressions and some areas with grykes revegetating from a fire prior to 2008. Part of the DKNP.	300	333	3.19	6.94	4
1	37	37 [336]	Jouang (So'uang)	Steep-sided block with large, closed depressions and a steep area of grykes (perhaps pinnacles, revealed by severe fire c.2016). Part of the DKNP.	210	229	1.11	4.58	5
1	38	38 [336]	Sikuk [Doya]	Steep-sided block with peak and lower area of closed depressions. Part of the DKNP.	339	362	1.34	5.09	1
1	39	39 [336]	Mata [Doya]	Steep-sided block with deep gorge.	198	216	0.54	3.10	1
1	40	40 [346]	Seboyuh [Simpang Kuda]	Low hill with moderate slopes and foot caves.	54	72	0.39	2.41	4
1	41	41 [345]	Seboyuh	Low hill with moderate slopes.	43	63	0.12	1.56	1
1	42	42 [342]	Jambusan	Steep-sided hills topped with large dolines.	204	221	1.42	6.51	11
1	43	43 [341]	[Bukit Kayu]	Fairly steep-sided cones with shallow doline.	73	91	0.15	1.45	1
1	44	44 [340]	Kayu	Small tower.	30	55	0.02	0.47	1
2	45	45 [347]	Staat (Tubis)	Very steep elongated tower, being destroyed by quarry since 2007.	340	350	0.91	4.19	4
2	46	46 [348]	Tebang	Small, low, moderately steep hill.	40	45	0.04	0.79	1
2	47	47 [349]	Skunyit	Moderate steep-sided hill almost entirely destroyed, with its caves, by quarrying since 2010.	148	155	0.69	3.12	5
2	48	48 [350]	7th Mile	Small, low, moderately steep cone.	35	44	0.02	0.55	-
2	49	49 [353]	Berinis	Small, low, moderately steep hill.	94	107	0.24	2.51	3
2	50	50 [354]	Sidarud	Gently sloping ridge.	60	72	0.08	1.29	2
2	51	51 [382]	18th Mile W	Steep-sided tower in swamp.	21	29	0.01	0.37	2
2	52	52 [383]	18th Mile E	Low hill with old quarry.	12	19	0.01	0.32	1
2	53	53 [381]	Trumat	Low undulating hill.	79	101	0.24	1.84	3
2	54	54 [384]	Beratok	Very small, low cone.	11	23	0.01	0.34	
2	55	55 [385]	Akud	Steep-sided tower, more than half quarried away since 2001.	93	105	0.22	2.22	1
2	56	56 [356]	Beti	Low, gently sloped lens.	78	103	0.07	1.10	
2	57	57 [355]	Anggur	Now a lake; quarried away from 1980s to 2001.	50	70	0.29	2.20	
2	58	58 [357]	Bugal	Moderately steep-sided block to cockpit karst. Some caves destroyed by Mambong CMS Quarry.	212	233	2.23	7.59	5
2	59	59 [357]	Bah	Moderately steep-sided block with several peaks and large depressions.	329	348	3.11	6.58	1
2	60	60 [358]	Grumbing	Moderately steep-sided ridge.	66	78	0.07	1.02	1

Table S1 Sheet 2 of 4: Data relating to karst hills and blocks mentioned and discussed in the parent Report. Continues on Sheet 3 of 4.

Map	Id	Id [myKarst]	Name(s) [myKarst]	Karst notes	Vertical (m)	High (m)	Area (km ²)	Perimeter (km)	Caves (No in Block)
2	61	61 [359]	Kom	Mostly steep-sided block with several peaks, including the highest in this area, and large depressions on top.	514	529	7.29	12.15	4
2	62	62 [359]	Drai (Penyok)	Partly steep-sided SE corner of Kom, with sinkholes.	247	266	1.17	4.54	5
2	63	63 [360]	Bakan (Segu) [Burau]	Mostly steep-sided block with large doline and several summits.	355	370	2.28	7.23	16
2	64	64 [365]	Sawah	Steep-sided block and tower.	258	273	0.65	4.10	1
2	65	65 [364]	Pelawan	Fairly steep-sided ridge.	169	184	0.21	1.89	
2	66	66 [362]	Minang	Steep-sided ridge.	161	171	0.17	1.71	
2	67	67 [361]	Machan	Fairly steep-sided cone.	55	66	0.05	0.81	2
2	68	68	Sebabu	Gently sloped, low cone.	42	54	0.02	0.52	1
2	69	69 [363]		Fairly steep-sided ridge.	57	67	0.05	0.81	
2	70	70 [366]	Sebayat	Steep, elongated tower.	320	335	2.35	8.54	3
2	71	71 [368]		Small, low, gently sloping cone.	39	52	0.03	0.68	
2	72	72 [369]	Sebukang	Small, low, moderately steep cone.	48	63	0.05	0.85	
2	73	73 [367]	Gigi [Bigi]	Steep-sided tower.	198	210	0.48	3.63	1
3	74	74 [370]	(Sebukang)	Small, low, moderately steep cone.	63	82	0.05	0.80	
3	75	75	Segon	Two gently sloping cones.	43	70	0.06	1.02	1
3	76	76 [371]	Kayou	Moderately steep cones and doline.	156	172	0.38	2.46	1
3	77	77 [372]		Low gently sloped ridge.	30	55	0.12	1.54	
3	78	78 [373]	Rumbang	Steep-sided block with cockpit karst.	377	395	2.64	10.25	5
3	79	79 [373]	Temungan	Substantial karst area.	372	396	4.88	9.59	17
3	80	80 [374]	Bra'ang	Steep-sided block with highest peak of Bau–Serian karst.	642	682	3.19	7.61	1
3	81	81 [375]	Wah	Fairly steeply sloped area with large depressions.	451	482	2.68	8.11	7
3	82	82 [375]	Angob (Manok)	Fairly steeply sloped area with valley and small depressions.	225	257	1.29	4.88	2
3	83	83 [375]	Mengetang (Samu'u)	Fairly steeply sloped ridge with valleys.	367	407	2.72	9.13	17
3	84	84 [375]	Pait (Manok)	Fairly steeply sloped with small valleys.	276	328	1.91	7.99	1
3	85	85	Turuh	Low gently sloped ridge.	43	88	0.13	1.54	1
3	86	86 [375]	Babu	Fairly steeply sloped with small valleys.	478	539	4.08	11.11	
3	87	87 [378]	Sebudoh	Low gently sloped hill.	335	382	0.76	3.87	1
3	88	88 [376]		Small outlier, moderately sloped ridge (W of Kampong Gayu).	157	301	0.19	2.05	
3	89	89 [377]	Maja/Bersemuh [Gayu]	Fairly steeply sloped ridge with valleys and large depressions.	410	439	5.41	12.29	1
3	90	90 [378]		Small outlier on slopes of Maja (by Kampong Gayu).	131	187	0.12	1.3	
3	91	91 [379]	Mentawa	Steep-sided ridge with small area of depressions to SE.	264	296	2.07	8.10	
3	92	92		Gently undulating.	16	17	0.26	2.42	
4	93	93 [387]	Chupak	Moderately steep-sided hills and valleys.	214	222	0.62	3.55	2
4	94	94 [389]	Rangub	Moderately steep-sided cone.	48	56	0.04	0.74	1
4	95	95 [390]	Pendu	Quarried away from 1990s to 2014.	79	83	0.06	0.85	1
4	96	96	Mayong	Gently sloping lens.	20	28	0.01	0.44	1
4	97	97 [391]	Biew	Moderately steep-sided cone.	59	67	0.06	1.05	2

Table S1 Sheet 3 of 4: Data relating to karst hills and blocks mentioned and discussed in the parent Report. Concludes on Sheet 4 of 4.

Map	Id	Id [myKarst]	Name(s) [myKarst]	Karst notes	Vertical (m)	High (m)	Area (km ²)	Perimeter (km)	Caves (No in Block)
4	98	98 [388]	Sibau [Sibow]	Moderately steep-sided hills and dolines.	414	418	4.86	9.19	12
4	99	99 [392]	Mas	Moderately sloped ridge with central doline.	180	188	0.85	4.43	
4	100	100 [393]	Lalang [Ranat]	Moderately sloped ridge.	104	129	0.14	1.57	
4	101	101 [394]	Paren Remang [Nambi]	Moderately steep-sided ridge.	171	188	0.67	3.80	2
4	102	102 [394]	Nambi	Steep-sided block with cockpits on top.	362	38	2.07	6.92	12
4	103	103 [395]	Buros	Moderately steep hill on inclined slope of impermeable rocks.	121	162	0.03	0.71	1
4	104	104 [410]	Retoh (Merimpas, Kedadom)	Medium-sloped hills and undulating low cockpit karst.	336	356	5.28	18.34	2
4	105	105 [408]	Serabu [Merabong]	Moderate to steep hills with valleys and closed depressions.	319	362	3.08	10.72	
4	106	106 [408]	Sinmajau (Merbang Naneng) [Merabong]	Steep slopes of vertical limestone blades.	313	376	2.28	10.48	3
4	107	107 [406]	Sinmajau Kechil	Moderately steep ridge with an elongated doline.	134	188	0.2	1.94	3
4	108	108 [407]		Steep ridge and tower. Surrounded by oil palms.	49	114	0.05	1.39	
4	109	109 [405]	Majau	Moderately steep-sloped tower.	126	190	0.11	1.24	
4	110	110 [404]		Moderately steep cones and depressions.	294	351	0.54	3.34	
4	111	111 [403]	Rigu	Moderately steep-sided ridge.	99	140	0.13	1.53	
4	112	112 [402]	Payang (Skandu)	Steep slopes with cockpits rising to non-limestone hills.	460	495	4.63	13.8	
4	113	113 [401]	Bunat	Steep-sloped ridge.	250	297	0.4	2.95	
4	114	114 [400]	Bigaw [Bigau]	Steep-sided hills with cockpits.	309	360	1.72	6.76	
4	115	115 [399]		Steep-sided hills.	243	281	0.54	3.87	
4	116	116 [397]	Rangu	Low hills adjoining steep-sided hills.	250	315	0.83	5.5	
4	117	117 [398]		Moderately steep lens with some depressions.	197	351	0.09	1.39	
4	118	118 [396]	Subang	Gently undulating.	12	75	0.1	1.28	
0	119	119 [422]	Selabor	Steep-sided block.	80	335	0.58	2.67	4
0	120	120 [422]	Storib	Steep-sided block.	75	145	0.09	1.07	2
0	121	121	Kudi	Cliff-bound block.	10	33	0.01	0.31	1

Table S1 Sheet 4 of 4: Data relating to karst hills and blocks mentioned and discussed in the parent Report. Concluded from Sheet 3 of 4.



Caves and karst of SW Sarawak, Malaysia – an overview

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Table S2: Data relating to caves mentioned and discussed in the parent Report.
[On-line supplement: pp. S6 – S12]

Explanatory Key to column headings:

Column 1	Map — The sub-area of SW Sarawak (see explanation on p.75 of the parent Report) within which the hill/block lies, cross-referencing the following Report figures:: Area “1” — Figure 4 (Bau area) <i>[except rows 1 and 2, which lie SW of the Bau area on Figure 2 (The karst hills of the Bau–Serian area)]</i> ; Area “2” — Figure 3 (Padawan North area); Area “3” — Figure 5 (Padawan South area); Area “4” — Figure 6 (West Serian area); Area “0” — isolated “blocks” shown within the red-framed inset within Figure 1 (<i>The Bau–Serian karst area in SW Sarawak</i>).
Column 2	Block.cave id — Unique identifier of a cave (2nd number) within the specified hill/block (first number: see “id”, <i>Table S1</i>).
Column 3	Cave name — the name (alternative name) of a cave.
Column 4	Number of entrances — the number of entrances currently known for the specified cave.
Column 5	Entrance altitude — altitude of the highest known cave entrance (estimated, from satellite data)
Column 6	Entrance altitude (lower) — altitude of the lowest known cave entrance, where relevant (estimated, from satellite data).
Column 7	Length — plan length – surveyed if known, otherwise estimated from drawing.
Column 8	Vertical range — if known (from survey data).

Totals for entries in columns 2, 4 and 7 are shown at the foot of Sheet 6.

Column 9	References — as listed below. “.s” indicates that a survey is included within the related reference [see the Reference list in the parent Report for detailed citations].
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B	Banks (1931)	H-J	Handfield-Jones (unpublished)
C	Crabtree and Friedrich (1982)	L	Laverty (1983)
Cl	Clucas (2015)	Lo	Low (1847)
E	Everett (1878)	S	St John (1862)
G	Gani (2010)	U	UiTM (2018)
H	Harrisson and Tweedie (1951)	W	Wilford (1964) [+ page number]

Map	Block.cave id	Cave name	Number of entrances	Entrance altitude (m)	Entrance altitude (lower) (m)	Length (m)	Vertical range (m)	References
1	1.1	Kua	1	157		70		W.49.s
1	2.1	Tiong	3	55				W.52
1	3.1	Butoh	1	62				W.52
1	4.1	Lobang Gunong	1					
1	4.2	Segoga Lesak	4	69	64	380	5	W.55.s
1	4.3	Spiteh	1					
1	4.4	Magam	1	52		360		
1	4.5	Makad	1					
1	4.6	Bijid	1					
1	4.7	Batu Landong	1					
1	4.8	Grayan	3	58	42	410	16	W.55.s
1	4.9	Kogui	1					G
1	5.1	Panggau 1	4	37		857		W.52.s; G
1	5.2	Panggau 2	1	66	65			
1	5.3	Panggau 3	2	44	40	40		
1	5.4	Panggau 4	1	40				
1	6.1	Tulang	4	112	97	100	15	W.54.s; G
1	6.2	Podam 1	1	40		30		W.57.s
1	6.3	Podam 2	2					
1	7.1	Stulang 1	1					
1	7.2	Stulang 2	1					
1	8.1	Jowie	1					
1	10.1	Fairy (Kapor)	3	124	70	300	50	E; W.57; C.s; H-J.s
1	10.2	Promyu	1	53				
1	10.3	Turn Red Show	1	18		80		
1	10.4	Turn Red 2	1	43				
1	10.5	Turn Red Temple	1	25				
1	10.6	Bungoh	3	124	35	1400	89	H; W.61.s; G
1	10.7	Situgo	1	37				
1	10.8	Namlong	1	60				
1	10.9	Bidi Caves (Silukuob)	2	55		400		W.60.s; C.s
1	10.10	Staub	1	59				
1	10.11	Bung A'ad	1	110				
1	11.1	Ta'ang Umbut	13	74	31	1281	43	W.61.s; G; H-J.s
1	12	Small caves in Jabul	18					
1	12.1	Jabul	2	28				
1	13	Small caves in Apin	5					
1	13.1	Apin Tai Ton Gold Mine	1	43		600		W.64.s
1	13.2	Apin Mine Cave	1	18				
1	14.1	Rumoh Lower Gold Mine	1	47		800		W.78.s; Cl.s
1	14.2	Rumoh Upper Gold Mine	1	68		200		W.78.s; Cl.s
1	14.3	Tabai East Upper	1					

Table S2 Sheet 1 of 6: Data relating to caves mentioned and discussed in the parent Report. Continued on Sheet 2 of 6.

Map	Block.cave id	Cave name	Number of entrances	Entrance altitude (m)	Entrance altitude (lower) (m)	Length (m)	Vertical range (m)	References
1	14.4	Tabai East Lower	1			50		
1	14.5	Tabai 5	3					
1	16	Small cave in Sigemat	1					
1	16.1	Lake School foot caves	2	22		30		G
1	17.1	Small cave in Sebaroh	1	41				
1	20.1	Lobang Angin	15	22	17	1100		E; W.68.s; H-J.s
1	22.1	Buan	1	22	19	700		W.72.s
1	22.2	Sibu	1					W.71
1	22.3	Bak Ayung	1					W.71
1	22.4	Sigotis Bas	1					W.71
1	22.5	Kobu	1					W.71
1	22.6	Rubong Tong	1					W.71
1	22.7	Kojit	1					W.71
1	22.8	Kiap	1					W.71
1	22.9	Sirobieng	1	15		400		W.72.s
1	22.10	Sigotis	1					W.71
1	24.1	Bukit Young / Ghost Cave	1	21		100		W.70.s
1	25.1	Marble Cave Sink	1			45		C
1	25.2	Marble Cave	1			90		C
1	25.3	Krian 1 ('Dynamite')	1	83				
1	25.4	Krian 2	1	34				
1	25.5	Joara Rising						
1	26.1	Gua Joara	3			250		W.64; C
1	26.2	Johara 1	1	35		500		C.s
1	26.3	Johara 2	1			250		C.s
1	26.4	Sungai Joara	1	72		150		Cl
1	26.5	Passage	1	122	77	64		Cl.s
1	26.6	Sungai Joara sink	1	63				Cl
1	27.1	Resurgence 1	1	50				
1	27.2	Resurgence 2	1	39				
1	27.3	Small mined cave	1					
1	28.1	(Unnamed)	1	66				
1	29.1	Buduh	5			370		W.57.s; G
1	29.2	Sedanog (Sedong)	1			90		
1	29.3	Seby	1			30		W.57.s; G
1	29.4	(Unnamed)	1			30		
1	30.1	Hiju	3	182	149	300		W.64
1	31.1	Maraja (Ngiraja)	1	299		1100		W.64.s
1	31.2	Kawa	1	112				W.64
1	32.1	Skiat Baru nest cave	1	70				
1	33.1	Lanyang Sitak	2	287				W.78
1	33.2	Grigar 2	2					

Table S2 Sheet 2 of 6: Data relating to caves mentioned and discussed in the parent Report. Continued on Sheet 3 of 6.

Map	Block.cave id	Cave name	Number of entrances	Entrance altitude (m)	Entrance altitude (lower) (m)	Length (m)	Vertical range (m)	References
1	33.3	Grigar resurgence	1	95				
1	36.1	Doya	1	102				W.78
1	36.2	Duya 2	2	152				
1	36.3	Duya 3	3	55				
1	36.4	Duya resurgence	1	48				
1	37.1	Matik sink	3	39		250		
1	37.2	Jouang 2	3					
1	37.3	Jouang lake	1	27				
1	37.4	Jouang 4	1	128				B
1	37.5	Jouang 5	2	25				
1	38.1	Betadum	1	231				G
1	39.1	Bramuh resurgence	1	32				
1	40.1	Seboyuh (Bramud) sink	5	32		575		
1	40.2	Ramis	1	23				
1	40.3	Berien	5	24		714		
1	40.4	Sibiriad	1	34				
1	41.1	Bramud sink	4	50		661		
1	42.1	Jambusan (Niang, Pang, Pitas)	14	59	24	3000		E; W.74.s; C.s
1	42.2	Tupak	2	97	73	800		E.s; W.74.s;
1	42.3	Tingang	5	172	117	700		W.74.s
1	42.4	Sebuan	1	146				W.78
1	42.5	Lanyang	1					W.78
1	42.6	Matik	1					W.78
1	42.7	Sitak	1					W.78
1	42.8	Jawang-Merasew	2	232	70		162	W.78
1	42.9	Lennon	1	21		600		C.s
1	42.10	Posih	2	59	28	2700	31	C.s
1	42.11	Posih Resurgence	1	25				C.s
1	44.1	Kayu	1	35				
2	45.1	Tubis	1	240				W.78
2	45.2	Magge-Skijang-Garadi	3	60	30	1400	30	W.82.s
2	45.3	Stulang	1	30		135		W.82.s; G
2	45.4	Mambang	2	30		75		W.82.s
2	46.1	Tebang	3	30		30		Lo; W.83.s
2	47.1	Tep	2	67		275		W.78.s
2	47.2	Conyuang (Kenyueng)	3	86		40	11	Cl.s
2	47.3	Ngiroyong Buai	2	22		30		Cl
2	47.4	Gerugu	1	56		21	3	Cl.s
2	47.5	Sekunyit 3	1					
2	49.1	Berinis 1	1	25				
2	49.2	Roof Top	1	57		30	15	Cl.s
2	49.3	Majag	1	27				

Table S2 Sheet 3 of 6: Data relating to caves mentioned and discussed in the parent Report. Continued on Sheet 4 of 6.

Map	Block.cave id	Cave name	Number of entrances	Entrance altitude (m)	Entrance altitude (lower) (m)	Length (m)	Vertical range (m)	References
2	50.1	Karusi/Simanggang	4	16		111	3	Cl.s
2	50.2	Karusi 2	1					
2	51.1	Siburan	4	9		110		W.88.s
2	52.1	Burong	1	12		50		W.88.s
2	53.1	Biraja	3	62		1050		Cl.s; H-J.s
2	53.2	Karem	2	57		100		H-J.s
2	53.3	Jewa (Taruma/Najang/MYFH)	8	62		1150	>27	Cl.s
2	53.4	Taruma	1	34				
2	55.1	Akud	4	18		95		
2	58.1	Peraba	1	33		735	50	W.84.s; L.s
2	58.2	Sayah-Chi	4	38	37	1900	75	L.s
2	58.3	Sungai	2	24		400		L.s
2	58.4	Baan-Raya	3	128	78	5803	104	L.s
2	58.5	Toka	1	30		594	30	L.s
2	59.1	Chahaya	1			730		W.88.s
2	60.1	Grumbing	1	24				
2	61.1	Nafir	1	207				W.86
2	61.2	Membang	1	47				W.87
2	61.3	Peon	2					
2	61.4	Ngrayang	1					
2	62.1	Penyok sink	1	106		103	39	L.s
2	62.2	Bai Rinyo	1					
2	62.3	Bayur	1					
2	62.4	Kambah	1					
2	62.5	Minggu	1					
2	62.10	Agu	2					W.84
2	63.1	Banti	1	319				L
2	63.2	Siwa (resurgence)	1	24				L
2	63.3	Dug [Duh]	1	295		300		L
2	63.4	Jeoi (Mother)	1	304				L
2	63.5	Jeoi (Daughter)	1	305				L
2	63.6	Kamsa	1					L
2	63.7	Kebuak (resurgence)	1					L
2	63.8	Mudik	1	123				L
2	63	Named, unlocated, caves	8					
2	64.1	Bulan-Bran	2	87		600		W.87
2	64.2	Sawah 1		78				
2	67.1	Macan (Penot)	1	25		75		W.87
2	67.2	Macan 2	1	14				
2	68.1	Sebabu	1	17				
2	70.1	Raya	2	17		200		
2	70.2	'River'	3			528		

Table S2 Sheet 4 of 6: Data relating to caves mentioned and discussed in the parent Report. Continued on Sheet 5 of 6.

Map	Block.cave id	Cave name	Number of entrances	Entrance altitude (m)	Entrance altitude (lower) (m)	Length (m)	Vertical range (m)	References
2	70.3	Massa	4	95				
2	73.1	Gigit	3					
3	75.1	Segon	1	39				U
3	76.1	Kayuh	4	38		885		
3	78.1	Rumbang	2	86	61		25	Lo; S
3	78	Other unlocated caves	4					U
3	79.1	Payang (Paya) (resurgence)	2	37		120		W.90.s; U
3	79.2	Enchok	2	123	102	600	21	W.89.s
3	79.3	Statok	2	90		240		W.91.s
3	79	Other unlocated caves	14					U
3	80.1	Bra'ang	1	43				
3	81.1	Rambus Upper	2	59	54			
3	81.2	Rambus Semadang	2	92	54	103		L
3	81.3	Temurang Rising	1	34		20		L
3	81.4	Tumpat	1	76		274		Cl.s
3	81.5	Shortcut	2	85	73			
3	81.6	Tuban Upper	1	66		72	19	Cl.s
3	81.7	Tuban Lower	1	41		20		Cl.s
3	82.1	Premuet Satu	3	114				
3	82.2	Manok 1	2	52				
3	83.1	Samu'uh 1	1	55				
3	83.2	Batu Sempok (Batu Sapug)	1	70		500		W.95.s
3	83.3	Batu Ajong	3	167		40		W.95.s
3	83	Other unlocated caves	14					
3	84.1	Payang	2	78		180		W.90.s
3	85.1	Turuh	1	60				
3	87.1	Budoh	2			686		
3	89.1	Baju	1					
4	93.1	Gua Raya	2	12		531	>13	B; W.93; Cl.s
4	93.2	Payang	1					
4	94.1	Rangub	6	49	32		17	
4	95.1	Pendu	1			20		W.96.s
4	96.1	Mayong	6	20		160		
4	97.1	Biew 1	3	20		210		W.98.s
4	97.2	Biew 2	2	12		144		
4	98.1	Na'ung	1	128				
4	98.2	Matt Gamber	1	54				
4	98.3	Banuk	1	78				
4	98.4	Bo'os	1	64				
4	98.5	Rutan	1	42				
4	98.6	Jangup	1					
4	98.7	Batet	1	11				

Table S2 Sheet 5 of 6: Data relating to caves mentioned and discussed in the parent Report. Concluded on Sheet 6 of 6.

Map	Block.cave id	Cave name	Number of entrances	Entrance altitude (m)	Entrance altitude (lower) (m)	Length (m)	Vertical range (m)	References
4	98.8	Rubang	1	15				
4	98.9	Braman	1					
4	98	Other caves	3					
4	101.1	Paren Rameng 1	1	21				
4	102.1	Broken Jar–Sindo resurgence	3	41		100		W.103
4	102.2	Sireh (Tahang Baid)–Sebayang	3	118		3000		S; W.87.s
4	102.3	Sapi	1	314				
4	102.4	Anak Sapi	1					
4	102.5	Panyi	1	258				W.104
4	102.6	Bumbo	1	26				W.104
4	102.7	Takor Gintay	1					W.104
4	102.8	Kembang	1					
4	102.9	Mako	2					W.104
4	102.10	Mako Resurgence	1					
4	102.11	Gengang	1					W.104
4	102.12	Bunchor	1					W.104
4	103.1	Buros	3					
4	104.1	Klipi	1	180				W.104.s
4	104.2	Retoh Caves	2					W.104
4	106.1	Manyap	1	72				
4	106.2	Belanting (resurgence)	1	84		200		
4	106.3	Upper Belanting	1	107		60		
4	107.1	Sinmajau 1	3	71		41		
4	107.2	Sinmajau 2	1	110				
4	107.3	Sinmajau 3	3	92				
0	119.1	Lobang Batu	4	265	201	2246	100	W.105.s; H-J.s
0	119.2	Semabang Cave (Sius)	5	232	92	1000	140	W.105.s
0	119.3	Birapus	2	190		120		
0	119.4	Rubang Badeh	1	145		50		
0	119	Other unnamed caves	8					
0	120.1	Storib Cave	1	47		370		W.107.s
0	120.2	Mingog	1	129		73		
0	121.1	Kudi	2					
Totals		242	503			51692		

Table S2 Sheet 6 of 6: Data relating to caves mentioned and discussed in the parent Report. Concluded from Sheet 5 of 6.