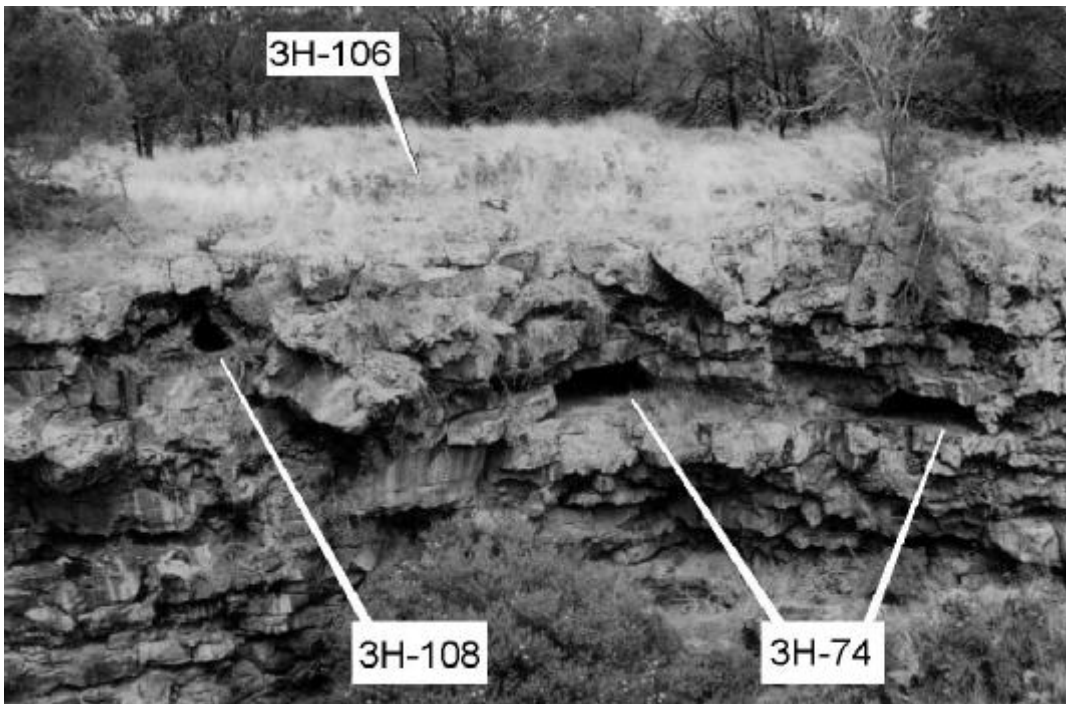


Ref:	Report Date 21-3-2002	Club: FEN	Hours: 2	Name of Cave / Feature: .	Visit Date: 3-3-2002	Cave No: 3H-108
Names in Party (Author, Leader): <u>Ken Grimes, Reto Zollinger.</u>					If no number, tick reason New Cave <input checked="" type="checkbox"/> [X] Unidentified Old Cave <input type="checkbox"/> [] Can't tell which: <input type="checkbox"/> []	
Purpose and result of visit: <i>Exploration & survey of a new cave near Chocolate Surprise (H-74). A small entrance was noticed in the cliff east of H-74 and explored. The cave was completely surveyed and tied to the cliff above H-74, and to H-106 (see map).</i>					Area Name: Volcanics (Byaduk)	
					Type of feature (if not Cave):	
Comments/recommendations (if any): <i>Together with H-74 and H-106, this forms a useful reference site for a set of three shallow sub-crustal lava caves, that are stacked in three separate flows. See also report on H-106.</i>						
<p>Description: A shallow horizontal "sub-crustal" system of passages and broad, low-roofed chambers. Drops to a lower level in one place. A small entrance, partly blocked by a 'tube-in-tube' effect (section X-4) leads to a small chamber. A very low (10-20cm high) horizontal slot leads back to daylight from this chamber (section X-4). Climb over a lava mound to a junction. Left (east) is a set of small lava-floored passages that rise and fall. The main one ends at a rockpile area. Right from the junction a squeeze lead into a broad (20 x 8m), but low-roofed chamber with flat (plus small knobs) pahoehoe floor (called the "Dwarven Dancehall", 'cause only a dwarf could dance in it). There are a couple of interesting roof 'avens' in the hall (section X-6). At the east side of the hall it drops to a short lower level passage that ends at rockpile. At far end of main hall a rockpile passage leads east, and one can shine a light through a small hole to the lower level. The cave has extensive pahoehoe floors that are smooth to knobbly. There is a lava mound at one room junction - possibly a 'partition' or 'septa'? The small window connecting the entrance chamber to the dancehall might also be through a 'septa'?. There is an invasive set of pahoehoe lobes in the entrance chamber. The "lava sink" shown on the map in the eastern section is a small pit where lava has been pouring down into a lower level, but is now blocked. There are some interesting roof avens in the main hall. I am not yet sure how to interpret these. The cave comes close to H-106 to the southwest, but is 2m below H-106 and in a separate lava flow. The lower level comes close to that of H-74, and may indicate invasion from the H-108 flow down into a prior cave in the flow below.</p>						
						
Topo Sheet: Byaduk, 7222-2-2:		Scale: 1:25,000		Best Grid co-ords: 586080 m E, 5803270 m N (map)		Parish/Hundred:
How to get there: <i>A small triangular entrance in the doline wall about 6 m NE of H-74. Drop a ladder from above, getting off ladder and into tight entrance is a bit awkward!</i>						Equipment: <i>Ladder (awkward to rig, need extra ropes) and belay for entrance, Standard horizontal inside.</i>

Tick the boxes for selected headings, then write about each in sequence, using the correct numbers and headings.

4 Cave type	<input checked="" type="checkbox"/>	24 Hazards	<input type="checkbox"/>	38 Air temperature	<input type="checkbox"/>	Geol. Strata names	<input type="checkbox"/>
5 Rock type	<input checked="" type="checkbox"/>	25 Difficulties	<input checked="" type="checkbox"/>	39 Humidity	<input type="checkbox"/>	Dip & Strike	<input type="checkbox"/>
6 Other entr numbers	<input type="checkbox"/>	26 Degree explored	<input checked="" type="checkbox"/>	40 Moisture level	<input type="checkbox"/>	Main stream flow	<input type="checkbox"/>
7 Total entr	<input checked="" type="checkbox"/>	27 Prospects	<input checked="" type="checkbox"/>	41 Discoverer & date	<input checked="" type="checkbox"/>	Inflow & Outflow points	<input type="checkbox"/>
8 Entr type	<input checked="" type="checkbox"/>	28 Owner category	<input checked="" type="checkbox"/>	42 Extension discov.	<input type="checkbox"/>	Water composition	<input type="checkbox"/>
9 Development	<input checked="" type="checkbox"/>	29 Present Cave Use	<input checked="" type="checkbox"/>	44 Contents	<input type="checkbox"/>	Gases	<input type="checkbox"/>
10 Decoration	<input checked="" type="checkbox"/>	30 Present surface use	<input checked="" type="checkbox"/>	45 Species	<input type="checkbox"/>	Likely archeol. Site?	<input type="checkbox"/>
11,12 Length & method	<input checked="" type="checkbox"/>	31 Damage	<input checked="" type="checkbox"/>	46 Important for	<input checked="" type="checkbox"/>	Age of archeol. material	<input type="checkbox"/>
13-14 Vert Range/method	<input checked="" type="checkbox"/>	32 Management class	<input type="checkbox"/>	47 References	<input type="checkbox"/>	Age of paleontol. Material	<input type="checkbox"/>
15 Largest chamber	<input checked="" type="checkbox"/>	33 Protection	<input type="checkbox"/>	Entr Doline size	<input type="checkbox"/>	Peak tourist count / day	<input type="checkbox"/>
16 Pitches	<input type="checkbox"/>	34 Permission from	<input type="checkbox"/>	Watersheds	<input type="checkbox"/>	Yearly tourist count	<input type="checkbox"/>
17 Horizontal Extent	<input type="checkbox"/>	35 % mapped	<input checked="" type="checkbox"/>	No. Of levels	<input type="checkbox"/>	Conservation rating	<input type="checkbox"/>
18,19 Latitude & Longitude	<input type="checkbox"/>	36 Widest Map	<input checked="" type="checkbox"/>	Accidents	<input type="checkbox"/>	Best area map	<input type="checkbox"/>
23 Entr elevation	<input type="checkbox"/>	37 Entrance Marker	<input type="checkbox"/>	Rescue comments	<input type="checkbox"/>	2 bearings & distances	<input type="checkbox"/>

4: **Type:** = Lava cave (shallow sub-crustal type)

5: **Rock** = Basalt

7: **TotEntr** = 1

8: **Entr** = Cave type, dry

9: **Dev** = A shallow "subcrustal" system of several low interconnected chambers and passages, and one lower level.

10: **Decs** = Some Unusual decs

11: **Length** = 83m, surveyed

13: **Depth** = 2.5m, surveyed

15: **Chamber** = 20mL, 8mW, 1.5mH.

25: **Diff** = Extensive crawling

26: **Deg Exp** = Fully explored, some difficult leads

27: **Prosp** = nearby features

28: **Ownr** = Govt (State Park)

29: **CUse** = nill

30: **SUse** = State Park

31: **Dmg** = no damage

35: **%map** = 100% mapped

36: **Map** = herewith, VSA 390

41: **Disc** = Reto Zollinger & KG.Grimes, 3-3-2002

46: **Sig** = geomorphology.

