

Ref:	Report Date 12-8-1998	Club: FEN	Hours: 5	Name of Cave / Feature: <b>Natural Bridge.</b>	Visit Date: 1-8-1998	Cave No: <b>3H-10</b>
Names in Party ( <u>Author</u> , <u>Leader</u> ): <u>Ken Grimes</u> , George Christie					If no number, tick reason New Cave [ ] Unidentified Old Cave [ ] Can't tell which: [ ]	
Purpose and result of visit: Mapping & photography. A Grade 5 map was surveyed (copy on back of this form).					Area Name: <b>Volcanics (Mt. Eccles)</b>	
Type of feature (if not Cave):						
Comments/recommendations (if any): The cave is quite colourful if you have a bright light (floodlight) - a mix of greens and browns. This seems to be a fairly robust cave capable of standing up to the visitor traffic it gets. The high-level chamber and roof hole are dangerous in that there is a hole with a 10m drop down into the main cave. The floor of this chamber has branches and rubbish that conceal the extent of this hole. The daylight hole has been railed off for this reason.						
Description: The lava tube is a roofed section of a small lava channel. The roof has a distinctive "gothic" shape resulting from the growing together of layers of lava from each side of the channel. A small high-level chamber and daylight hole has been left between joined parts of the wall. The main passage below has a narrow roof slot, where the walls almost meet. At one point (between sections X3 and X4) there is another small high-level chamber visible above this slot. Lower down the cave is wider, and partly modified by collapse. Collapsed sections reveal the contorted layering in the walls. The lava layers appear to have slumped downwards while still hot and plastic. The floor within the cave is much lower than the open sections outside, these have been partly filled by rubble from collapse of a former roof and walls. Upstream (NE) the channel is quite narrow, and a roofed tube may have once extended some distance this way. Downstream, the channel widens and loses its character quickly. The cave has a few lava drips and dribbles, but nothing special in the way of lava decorations.						
Topo Sheet: Eccles 7221-1-1		Scale: 1:25,000	Best Grid co-ords: 580460mE, 5785850mN		Parish/Hundred:	Allotment:
How to get there: 100m walk from parking area.					Equipment: Nothing special.	

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 checked="" type="checkbox"/>	38 Air temperature	<input type="checkbox"/>	Geol. Strata names	<input type="checkbox"/>
5 Rock type	<input checked="" type="checkbox"/>	25 Difficulties	<input type="checkbox"/>	39 Humidity	<input type="checkbox"/>	Dip & Strike	<input type="checkbox"/>
6 Other entr numbers	<input type="checkbox"/>	26 Degree explored	<input type="checkbox"/>	40 Moisture level	<input type="checkbox"/>	Main stream flow	<input type="checkbox"/>
7 Total entr	<input type="checkbox"/>	27 Prospects	<input type="checkbox"/>	41 Discoverer & date	<input type="checkbox"/>	Inflow & Outflow points	<input type="checkbox"/>
8 Entr type	<input type="checkbox"/>	28 Owner category	<input type="checkbox"/>	42 Extension discov.	<input type="checkbox"/>	Water composition	<input type="checkbox"/>
9 Development	<input checked="" type="checkbox"/>	29 Present Cave Use	<input type="checkbox"/>	44 Contents	<input type="checkbox"/>	Gases	<input type="checkbox"/>
10 Decoration	<input checked="" type="checkbox"/>	30 Present surface use	<input 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 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 checked="" type="checkbox"/>	Rescue comments	<input type="checkbox"/>	2 bearings & distances	<input type="checkbox"/>

4: Type: = Lava tube (channel roofed by overgrown levee)

5: Rock = basalt

9: Dev = Single short tube with small upper level.

10: Decs = some unusual decs (drips, sagged linings)

11: Length = 36m (+/- 2m, surveyed)

13: Depth = 15m (+/- 1m, surveyed)

24: Haz = hole in floor of upper section (below daylight hole).

31: Dmg = little damage (some rubbish)

35: %map = 100% mapped

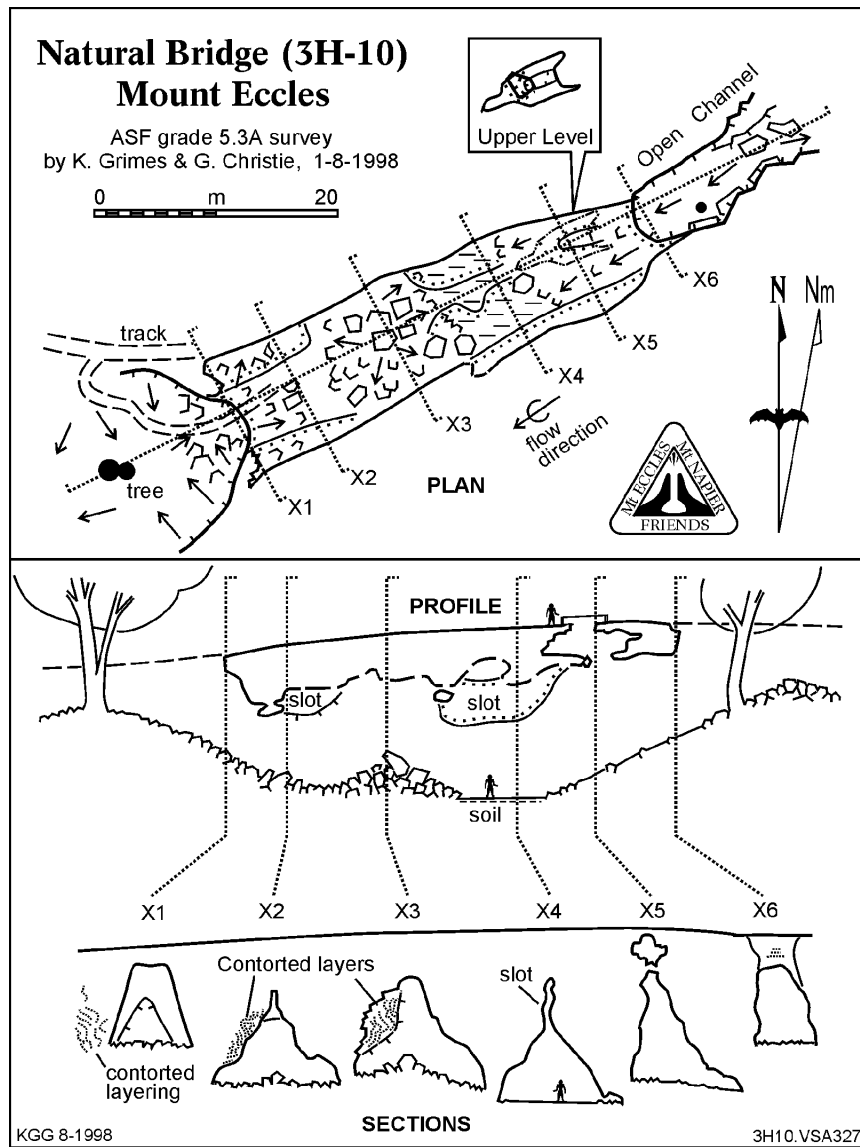
36: Map = VSA327 map herewith (back of this form)

37: Tag = Not marked. Survey used bolt on top of NE post of rails around daylight hole.

46: Sig = Important for geology, geomorphology (best State example of a tube formed by overgrown levee banks and possibly best Australian example). Is part of the "South Canal walk" and gets regular visitation.



SW entrance to Natural Bridge. Note the "Gothic" roof outline.



View along main tube, looking southwest. Note narrow roof slot. Staff is 5m high.



"Edge-enhanced" detail of contorted wall linings near section X3. Staff about 2m long.