

T HUGHES
S REDWOOD
M SIMMS

note: In 28 was temporary (to the top of the collapse)

LEG	DIST	CLINO	BRG° M	H DIST	ΔE	ΔN	ΔZ	E	N	Z	STN
27 - 40	8.35	VERT	DOWN	0	0	0	-8.35	1001.023	942.924	-62.488	27
40 - 41	4.30	+26	118	3.865	3.412	-1.814	+1.885	1001.023	942.924	-70.838	40
41 - 42	2.1	-4	127	2.094	1.672	-1.260	-0.146	1004.435	941.110	-68.953	41
42 - 43	5.5	-8	27	5.446	2.472	4.852	-0.765	1006.107	939.850	-67.999	42
27 - 27a	6.50	VERT	DOWN	0	0	0	-6.50	1008.579	944.702	-69.864	43
40 - 40a	4.80	±0	165**	4.80	1.242	-4.636	0	1001.023	942.924	-67.988	27a
41 - 41a	4.3	+22	218	3.987	-2.455	-3.142	+1.611	1001.023	942.924	-69.038	40a
42 - 42a	5.9	VERT	DOWN	0	0	0	-5.90	1004.435	941.110	-68.953	41
								1006.107	939.850	-73.999	42a

NOTES
(E.x) white calcite crystal *
Bottom of Hermin Pit, floor level, N end of tight rift.
N inlet N wall 0.4W 0.3ft floor
Cross rift, Par wall (SE end) (0.5 to roof) Ringor hole (marked by spile)
U-tube roof 0.4H 0.4W. (Mudely rift) (Butcher's Arse)

top of tight section Hermin Pit.
1st Inlet (floor level) (Arson at end ≈ 3m H).
2nd Inlet 2m Arson (boulder chiba)
Bottom of X-jt rift (plumbed) 240.15H

* a crystal 0.9 above the floor of 1125 was chosen as 27 on 28/7/91. This is 1.8m above the proper station 27 ie -62.488
⇒ subtract 1.8m from the depths of 40-43 and 40a, 41a, 42a.



max 3m deep
Wt 1-1.5m width 2m inlet 8m d/s 20m long, 45°, 1m s
max 1m deep
Wt 1.5m (1m d/water) width 1-2m (2 airbells with connection)
Wt 1.5 upstream, 3m d/stream 1.5-2m wide 2m cascade d/stream
Wt 3m w 1m rift 45° incline to L narrow rift
H high 1.5 wide rift ending in 2 adj pools
Wt 1m (inlet 0.5 deep) 1.5 wide

35-25 surveyed Area + 3m (at 40a) continues just 4-tube 6m 44.25m (145ft).

** probably wrong - check on next trip. ← rifts parallel by ≈ 210°

Total passage length to Butcher's Arse = 858ft.

Downstream sumps survey Ross White and Mike McDonald. date ≈ 12/12/92

Sump	D/S WIGNORE	Depth	Angle
Sump 1	22m	90	
D/S WIGNORE 2	18m	90	
Sump 2	5m	90	
D/S WIGNORE 3	10m	90	
Sump 3	6m	90 - 80	
D/S WIGNORE 4	24m	80	
Sump 4	15m	80	
D/S WIGNORE 5	10m	80	
Sump 5	20m	80	
D/S WIGNORE 6	50m (max)	80-90	plotted at 85°
Sump 6	4m	80-90	" "
D/S WIGNORE 7	30m +	80-90	" "

summary (for 1:2500 plotting)
58m at 90°
72m at 80°
84m at 85°

Radio location of 30m downstream of sump 7. 4/4/92