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## GEOLOGY AT ECTON

### C. A Tour of Salt's Level

Most groups will want to include an underground visit at some point in the day, but the emphasis will vary according to the other workshops that they have chosen.

Please provide a copy of *GW IS6 (C6): Salt's Level Base Map* for each student. *GW IS6 (C7): Salt's Level Geological Details* provides an "answer" sheet for follow-up work. The photo sheets are included to give an idea of what students can expect to see in Salt's Level.

#### Introduction to Salts' Level

Salts' Level was dug in 1804, to provide easier access from the mine to the newer dressing floors, at the level of the Centre. Copper production at Ecton was already past its peak.



Fig C1 Students conferring in Salts Level



Fig C2. An early 19th century shot hole in Salt's Level

We stay at much the same level on the visit (c.240m O.D). Our emergency exit is via a ladder way to the Deep Ecton Adit, which comes out just above the river (at c.205m O.D).

We shall walk about 150m straight to the Deep Ecton Shaft, and then turn to visit the Ecton Pipe Vein and other features. We return to the Centre by the same route.

It is very easy for groups to become disorientated on a first visit. Issuing a base map (*GW IS6 (C6)*) and ensuring that they use a compass would help.



**Fig C3 a) Flowstone**



**Fig C3 b) Calcite infill in tension gashes**



**Fig C4 a) Slickensides on a tear fault**



**Fig C4 b) Kink fold in Salt's Level.**



**Fig C5 a) Galena in the Shack Vein**



**Fig C5 b) Malachite in the Ida Alley Cross Course**