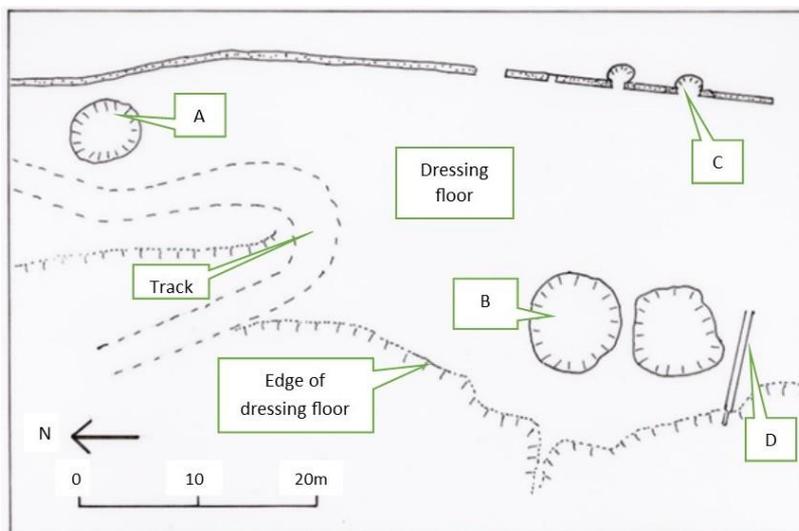


Worksheet 6: Ecton – The Mineral Dressing Floor

(You need the picture sheet too)



1. Find where North is and "set" the map.
2. Walk over the dressing floor to find and label these items using the letters on the map:

Site of a buddle []. Ore hopper (storage bin) []. How many are there? []

Filled-in mine shaft []. Narrow stone and timber-lined water channel []

3. Water was brought around the hill, in a stone-lined channel or 'leat' (from off the north side of the map). It was used to wash the ore before the ore was taken from the bins. Draw a line on the map to show where you think the leat ran.
4. Events: Write numbers 1 to 10 in order of age, with number 1 as the first event and number 10 as the most recent, in the list below:

Events list

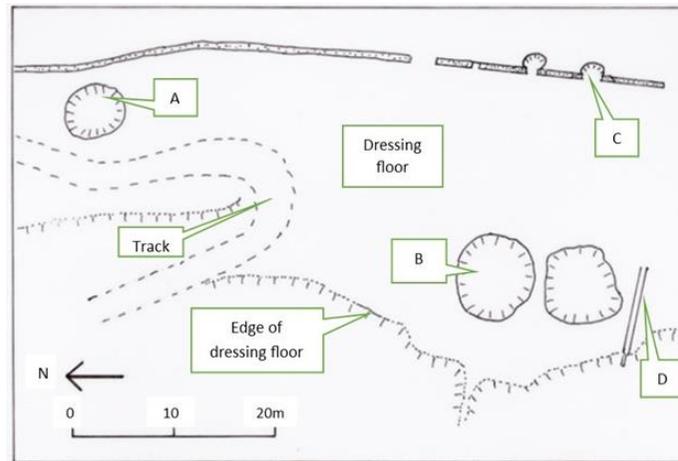
- Mining the ore from the mineral deposit []
 - Formation of limestone under the sea []
 - Smelting the separated ores to produce copper, lead and zinc metal []
 - Emplacement of ore minerals into the limestone. (The minerals came up from deeper in the Earth's crust, dissolved in hot water) []
 - Making copper utensils []
 - Transport of the separated ores to the smelters []
 - Crushing the ore minerals brought out from the mine []
 - Uplift and erosion to produce the landscape of the Manifold Valley []
 - Separating the different ores using jigging and buddling []
 - Folding and faulting of the limestone []
5. When you are told to start, you have 5 minutes to pull up as many baby birch trees by their roots as you can. There will be a small prize for the team with the most baby birches!

Ecton - the Mineral Dressing Floor -

Where rock waste was removed from the ore minerals and the different ores were separated from each other



The rear wall of the dressing shed (re-built in 2016)



Sketch Map of the Dressing Floor



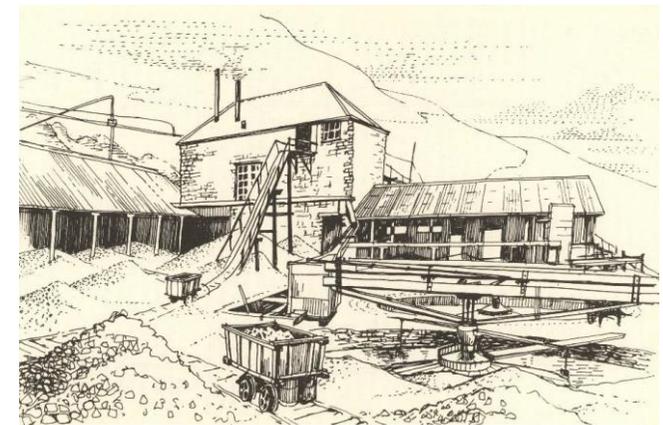
Circular buddle in use in Cornwall in recent years



The water course ('leat') bringing water round the hill from the pond near Back-of-Ecton



A collapsed mine shaft



How the dressing floor looked in the 1880s (from book by Robey and Porter)