

TRAINING LOG

Please tell us about a Ten Tors training walk on Dartmoor. You could include: What did you like about it? What didn't you like? What did you learn? What will you do differently next time? What did you see? What was funny?

Location: _____

Date: _____

Number in group: _____

Weather: _____

The log: _____

Cover photo: The view from Scorhill stone circle.

Which tor is on the horizon?

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 CUT LINE

WEATHER



Photo © J Thorne

The photograph shows 'The king of clouds' on the left.
What sort of cloud is this?

What sort of weather is associated with this cloud formation?

There is a local saying about Dartmoor weather:

"9 months winter & 3 months bad weather!"

Dartmoor's weather pattern is the result of the orographic effect, where the wind is forced up over the high ground of the moor. How does this affect the air temperature?

- Warms it
- Cools it

Which then increases the humidity and the likelihood of rain.

In association with  Met Office

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Name

Establishment

Where's To?

An observational quiz for participants in Ten Tors

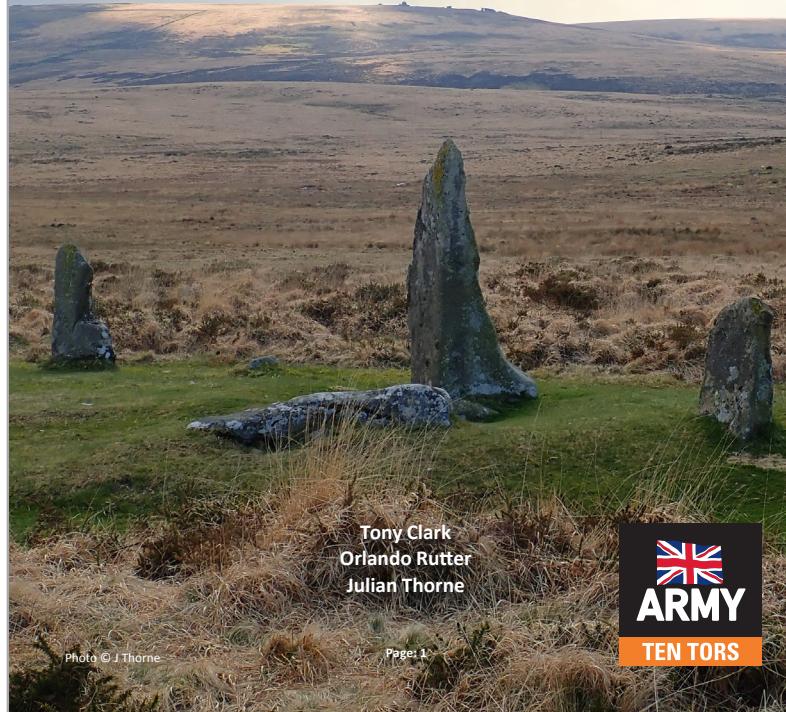


Photo © J Thorne

Tony Clark
Orlando Rutter
Julian Thorne



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ARCHAEOLOGY



Photo © J Thorne

The remains of several deserted settlements can be seen on Dartmoor. Some are *roundhouses* and others are *longhouses*. In which historical period were they built? Put an R for roundhouse and L for longhouse.

- | | | |
|----------------------------------|------------------------------------|-------------------------------------|
| <input type="checkbox"/> Ice Age | <input type="checkbox"/> Stone Age | <input type="checkbox"/> Bronze Age |
| <input type="checkbox"/> Roman | <input type="checkbox"/> Medieval | <input type="checkbox"/> Tudor |

In which of these historical periods were cairns, cists, stone rows and stone circles built?



Photo © DNP

The photograph shows the most recently discovered stone circle located near Sittaford Tor. Why is it different to most of Dartmoor's stone circles?

Give the grid reference for another stone circle on Dartmoor.

FOLD LINE

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INTRODUCTION

Where's to? That's Dartmoor dialect for where is it!

Dartmoor is exciting, full of history and wildlife. Understanding its special qualities will help you navigate and enjoy the open, wild moor. Keep your eyes peeled during your walks on Dartmoor as well as using books and the Internet to discover the answers to this Quiz. Fill in the answers to the questions and complete a training log. To keep your Quiz book neat, you may wish to take notes while you are walking and complete it at home. In years to come the booklet will be a souvenir, bringing back memories of Ten Tors.

Good hunting and enjoy Dartmoor.

*Lt Col (Retd) A H Clark OBE
Advisor to Director Ten Tors*

CONDITIONS

This Ten Tors Quiz is open to all teenagers who train for the Ten Tors and Jubilee Challenges

Prizes will be awarded on Friday 10 May 2019 to the highest scoring 3 in each of the 35, 45 and 55 mile Ten Tors Challenge categories and to Jubilee Challenge under 16s and under 20s as at 31 August 2019.

The competition closes on 24 April 2019. Team Managers are asked to arrange for the best effort in each category to be sent to the Ten Tors Secretary at Ten Tors Office, Okehampton Camp, OKEHAMPTON EX20 1QP to arrive by Friday 26 April 2019.

In the event of a draw, your training log will be used as a tie breaker. The Adjudicators' decision will be final.

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CUT LINE

QUARRYING

This is one of several tramways on Dartmoor. The rails are not steel, but made of what?

.....
Why did the builders use this material?
.....



Photo © J Thorne

Over millions of years, this material 'decomposes' into another commercially valuable material, clay. There are two types of clay exploited:

Ball or Pipe clay (formed by 'tropical' weathering) is found near Bovey Tracey and Newton Abbot.

China clay (formed underground) has workings Southwest of the moor, near Lee Mill.



Photo © J Thorne

The photograph shows a distinctive landmark next to Red Lake, where china clay was formerly extracted on the moor.

What is the Matterhorn-shaped formation? (Tick one)

- | | |
|---|---------------------------------------|
| <input type="checkbox"/> An extinct volcano | <input type="checkbox"/> Hen Tor |
| <input type="checkbox"/> A spoil heap | <input type="checkbox"/> Tin workings |

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WATERWAYS

Leats are man-made channels for carrying water. This is the aqueduct on the Devonport Leat, which also has a waterfall and a tunnel.

When was Devonport Leat built?

.....



Photo © J Thorne

What was (and still is) its water used for?

- | |
|---|
| <input type="checkbox"/> Hydroelectric power for the Navy |
| <input type="checkbox"/> Drinking water for Plymouth and dockland |
| <input type="checkbox"/> Exclusive water supply for warships |

Many of Devon's rivers start on Dartmoor. Which rivers do not?

- | |
|---------------------------------|
| <input type="checkbox"/> Avon |
| <input type="checkbox"/> Cowsic |
| <input type="checkbox"/> Exe |
| <input type="checkbox"/> Tamar |



Photo © J Thorne

Which two "Hills" are within 3km of ALL of the following river 'heads': Taw, East Dart, Teign, West Dart, Tavy?

- a)
- b)

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NAVIGATION

From which direction does the prevailing wind blow?

- | |
|-------------------------------------|
| <input type="checkbox"/> South |
| <input type="checkbox"/> South West |
| <input type="checkbox"/> West |
| <input type="checkbox"/> North West |



Photo © J Thorne

In which direction is the camera pointing?

- | | |
|--------------------------------|-------------------------------------|
| <input type="checkbox"/> East | <input type="checkbox"/> South East |
| <input type="checkbox"/> South | <input type="checkbox"/> South West |

It is possible to estimate South from a wrist watch. Pointing the hour hand at the sun, at what o'clock marker will South be at 4pm GMT?

- | |
|-----------------------------|
| <input type="checkbox"/> 12 |
| <input type="checkbox"/> 2 |
| <input type="checkbox"/> 4 |



Photo © J Thorne



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BOGS



Photo © DNP

There are three types of bog on Dartmoor: valley mire, raised bog and blanket bog.

Give an example on Dartmoor of a mire?

Over hundreds of years, dead plant material below a bog forms peat, a huge 'carbon-storage unit'. Globally, what percentage of atmospheric carbon is stored in the world's peat bogs?

- 75%
- 50%
- 33%

Dartmoor's bogs are home to a variety of plants adapted to grow in this challenging environment, including twelve species of sphagnum moss. These range from vivid greens to dark velvety reds.



Photo © DNP

Why was Dartmoor sphagnum moss harvested in the First World War?

- Fodder for horses
- Wadding for shells
- Wound dressings

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CUT LINE

FIRST AID AND DARTMOOR SEARCH & RESCUE



Photo © J Thorne

If you need Dartmoor Search and Rescue, dial 999 and ask for which emergency service?

- Ambulance
- Coast Guard
- Fire
- Police

Ticks are what sort of blood-sucking parasite?

- Spider
- Insect
- Beetle
- Midge



Photo © J Thorne

Ticks should be removed using a tick-remover tool or tweezers. Any other method may cause the tick to regurgitate into the victim. What disease might this cause?

- Lyme disease
- Weil's disease
- Myxomatosis
- Bubonic plague



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GEOLOGY



Photo © J Thorne

Rock that has tumbled down hillsides is generally known as scree. Dartmoor has given the world another name for these boulderfields. What is it?



Photo © J Thorne

The large rock on the top of the tor is a logan stone.

What is a logan stone? (Tick one)

- A rock with healing properties
- A rock similar to that found on Skye
- A rock with claw marks
- A rock that rocks

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BIRDS



Photo © Ben Andrew rspb-images.com

In the weeks leading up to the Ten Tors weekend, the song of this little bird can often be heard almost continuously. Where is the bird when it is singing?

Where does it nest?

- In a tree
- In a burrow
- Under rocks
- In a tussock

This bird 'parasitizes' the nest of the Meadow Pipit.

What is the bird and therefore what is its call?



Photo © Ben Andrew rspb-images.com

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FOLD LINE

TIN



Tin mining has left scars on Dartmoor's landscape. What is the name given to a gully like this caused by tin mining?

- Beam Gert
 Beam or Gert, the terms are interchangeable

Tin has been exported from Dartmoor for thousands of years. Why was it so valuable in the Bronze Age?

.....
Several towns became centres for where refined tin was assessed and sold in later years – Stannary Towns.

Which of the following are Stannary towns?

- Ashburton
 Chagford
 Lydford
 Moretonhampstead
 Plympton
 Tavistock



The chemical symbol for tin is Sn (from Latin, stannum, hence Stannary)

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CUT LINE

FARMED ANIMALS



Dartmoor's open moorland is grazed under common rights by local farmers.

What sort of cows are these?

- Banded Galways Belted Galloways
 Highland cattle Friesians

If you find a cow with her calf on your path, do you:

- Stop and hide all red clothing before proceeding
 Walk away maintaining eye contact
 Divert around them ensuring you do not come between mother and calf.



Several farms have 'warren' in their name. What animals did they farm?

.....
The photograph shows a Pillow Mound. What was their function at a warren farm?

MILITARY



What does this red flag mean?

.....
What is the web address listing when red flags will be flying?

.....
There are three sectors of the moor used for this purpose. What are they?

1.
2.
3.

This short section of railway can be found just south of Rowtor. What was it used for?

- Moving equipment
 Providing moving target for anti tank weapons
 Training railway engineers



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Over half of Dartmoor is private land! Much of it is 'Access Land' where walkers can roam without restrictions, although it is still privately owned.

Which two of the following own the largest parts of Dartmoor?

- Dartmoor National Park Duchy of Cornwall
 Forestry Commission Ministry of Defence
 National Trust Water companies

What proportion of the National Park is Common Land?

- 24% 37%
 51% 74%

When was Dartmoor designated a National Park?



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