



Prifysgol Abertawe  
Swansea University

**Rheolaeth Amgylcheddol ar gyfer y Dyfodol**  
hyfforddiant mewn datblygiad cynaliadwy i'r sector Rheolaeth Amgylcheddol

# Tryloywlluniau Amgen



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Ffynhonnell: J. Baines PP4SD UK

Golygfa o loc ar gamlas gyda bad yn mynd trwyddo.



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Gwarchodfa ar yr M40: Gwarchodfa natur wrth ochr y draffordd a mewn Ardal o Harddwch Naturiol Eithriadol.



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Ffynhonnell: L. Maxey Prifysgol Abertawe  
Ffermwr yn gweithredu peiriant holti cyffion.



**THE RIDGEWAY**  
a National Trail

**Code of Respect**

This Code has been endorsed by the many organisations whose logos appear on the front of this board. It has been developed to encourage you enjoy The Ridgeway Trail and in the future...

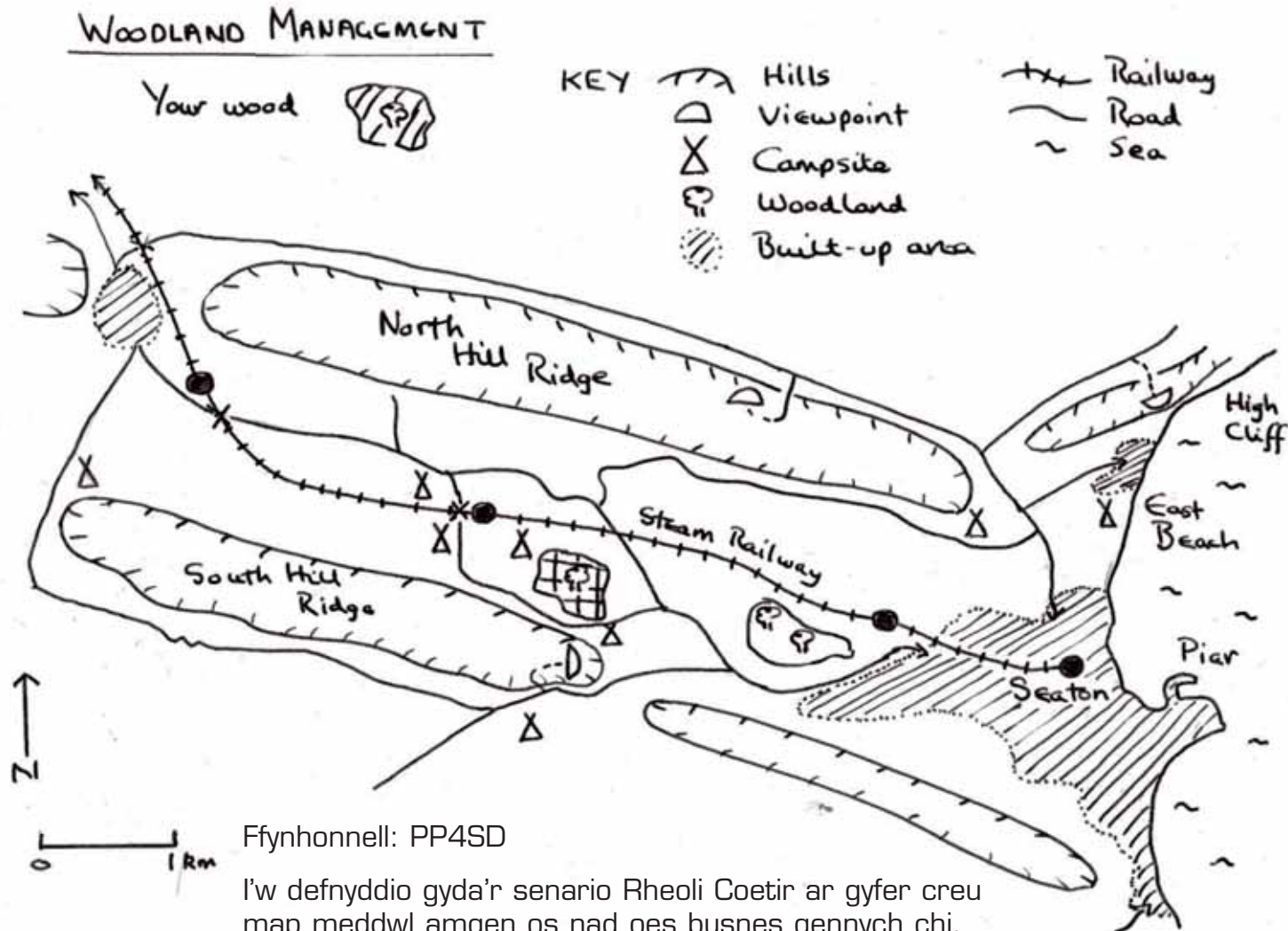
**Key**

- Walking
- Cycling
- Mountain Biking
- Dog Walking
- Wildlife Watching
- Swimming
- Canoeing
- Rowing
- Small Boat
- Large Boat
- Motorboat
- Jet Ski
- Water Ski
- Windsurfing
- Kayaking
- Canoeing
- Rowing
- Small Boat
- Large Boat
- Motorboat
- Jet Ski
- Water Ski
- Windsurfing
- Kayaking

**General Code**

- Be a good neighbour
- Be a good citizen
- Be a good cyclist
- Be a good dog owner
- Be a good swimmer
- Be a good boater
- Be a good motorist
- Be a good skier
- Be a good windsurfer
- Be a good kayaker
- Be a good canoeist
- Be a good rower
- Be a good small boat operator
- Be a good large boat operator
- Be a good motorboat operator
- Be a good jet ski operator
- Be a good water ski operator
- Be a good windsurfing operator
- Be a good kayaking operator
- Be a good canoeing operator
- Be a good rowing operator
- Be a good small boat operator
- Be a good large boat operator
- Be a good motorboat operator
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- Be a good water ski operator
- Be a good windsurfing operator
- Be a good kayaking operator
- Be a good canoeing operator
- Be a good rowing operator

Ffynhonnell: J. Baines PP4SD UK  
Hysbysfwrdd y côd cefn gwlad wrth ochr llwybr.



Ffynhonnell: PP4SD

I'w defnyddio gyda'r senario Rheoli Coetir ar gyfer creu map meddwl amgen os nad oes busnes gennych chi.



# Newid Hinsawdd 1

## FINAL WARNING

According to yesterday's UN report, the world will be a much hotter place by 2100. This will be the impact...

+2.4°

### CORAL REEFS ALMOST EXTINCT

In **North America**, a new dust-bowl brings deserts to life in the high plains states, centred on **Nevada**, but also wipes out agriculture and cattle ranching as sand dunes appear across five US states, from **Texas** in the south to **Montana** in the north. Sea-level rise accelerates as the **Greenland** ice sheet slips into irreversible melt, submerging atoll nations and low-lying deltas. In **Peru**, disappearing **Andean** glaciers mean 10 million people face water shortages. Warming seas wipe out the **Great Barrier Reef** and make coral reefs virtually extinct throughout the tropics. Worldwide, a third of all species on the planet face extinction

+3.4°

### RAINFOREST TURNS TO DESERT

The **Amazonian** rainforest burns in a firestorm of catastrophic intensity, covering **South America** with ash and smoke. Once the smoke clears, the interior of **Brazil** has become desert, and huge amounts of extra carbon have entered the atmosphere, further boosting global warming. The entire **Arctic** ice-cap disappears in the summer months, leaving the **North Pole** ice-free for the first time in 3 million years. Polar bears, walrus and ringed seals all go extinct. Water supplies run short in **California** as the **Sierra Nevada** snowpack melts away. Tens of millions are displaced as the **Kalahari** desert expands across southern **Africa**

+4.4°

### MELTING ICE-CAPS DISPLACE MILLIONS

Rapidly rising temperatures in the **Arctic** put **Siberian** permafrost in the melt zone, releasing vast quantities of methane and CO<sub>2</sub>. Global temperatures keep on rising rapidly in consequence. Melting ice-caps and sea level rises displace more than 100 million people, particularly in **Bangladesh**, the **Red Delta** and **Shanghai**. Heatwaves and drought make much of the sub-tropics uninhabitable: large-scale migration even takes place within **Europe**, where deserts are growing in southern **Spain**, **Italy** and **Greece**. More than half of wild species are wiped out, in the worst mass extinction since the end of the dinosaurs. Agriculture collapses in **Australia**

+5.4°

### SEA LEVELS RISE BY FIVE METRES

The **West Antarctic** ice sheet breaks up, eventually adding another five metres to global sea levels. If these temperatures are sustained, the entire planet will become ice-free, and sea levels will be 70 metres higher than today. **South Asian** society collapses due to the disappearance of glaciers in the **Himalayas**, drying up the **Indus** river, while in **east India** and **Bangladesh**, monsoon floods threaten millions. **Super-El Niños** spark global weather chaos. Most of humanity begins to seek refuge away from higher temperatures closer to the poles. Tens of millions of refugees force their way into **Scandinavia** and the **British Isles**. World food supplies run out

+6.4°

### MOST OF LIFE IS EXTERMINATED

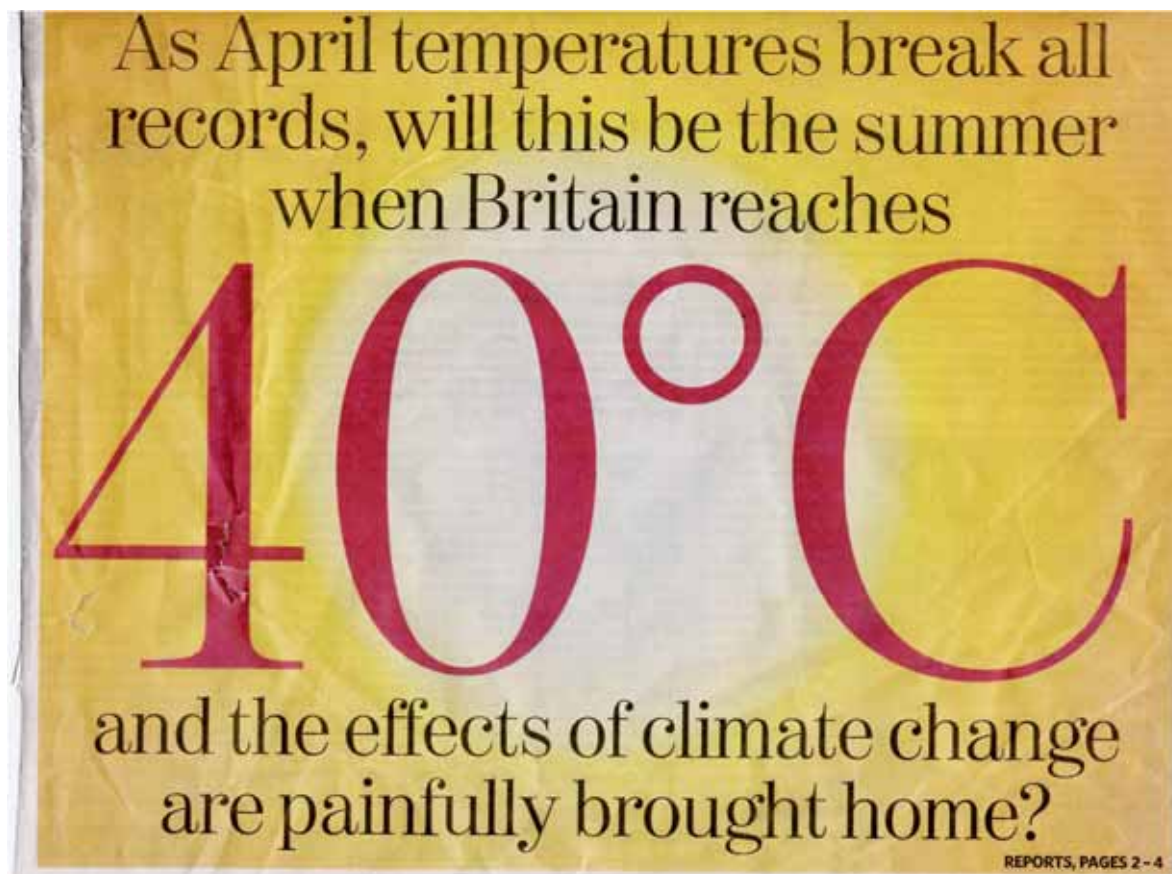
Warming seas lead to the possible release of methane hydrates trapped in sub-oceanic sediments; methane fireballs tear across the sky, causing further warming. The oceans lose their oxygen and turn stagnant, releasing poisonous hydrogen sulphide gas and destroying the ozone layer. Deserts extend almost to the **Arctic**. "Hypercaines" (hurricanes of unimaginable ferocity) circumnavigate the globe, causing flash floods which strip the land of soil. Humanity reduced to a few survivors eking out a living in polar refuges. Most of life on **Earth** has been snuffed out, as temperatures rise higher than for hundreds of millions of years

Mark Lynas

REPORTS, PAGES 2-5



# Newid Hinsawdd 2





# Cyfanswm dŵr y byd

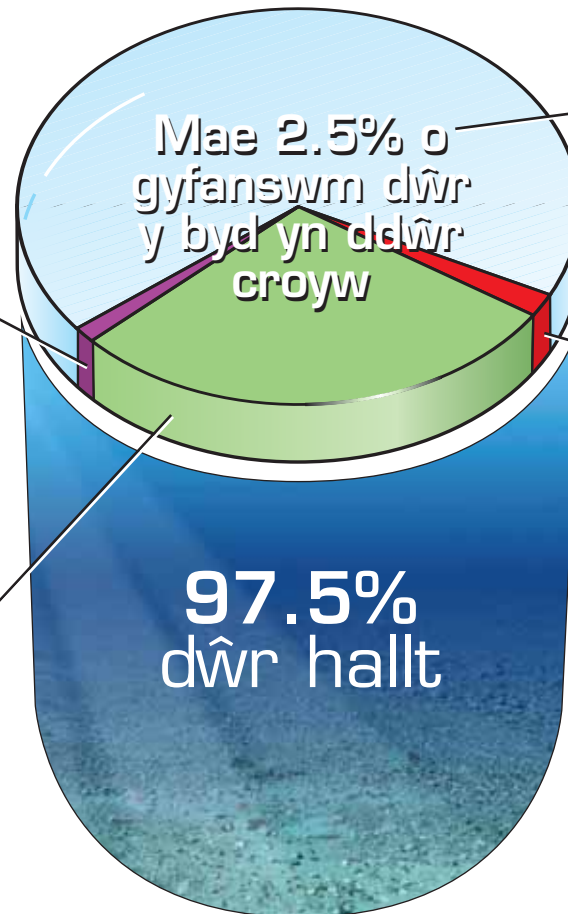
**0.3%**

Llynnoedd dŵr croyw a dŵr wedi'i gronni mewn afonydd.

**Y gyfran hon yn unig sydd yn adnewyddadwy**

**29.9%**

Dŵr daear croyw



**68.9%**

Afonydd iâ a haenau eira parhaol

**0.9%**

Dŵr arall gan gynnwys lleithder yn y pridd, dŵr corydd a rhew parhaol