



**The Cornwall & West Devon Mining Landscape
World Heritage Site: an introduction**

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What is a World Heritage Site?

UNESCO's Convention concerning the Protection of World Cultural and Natural Heritage, 1972

'cultural and natural heritage around the world considered to be of outstanding value to humanity'

Cultural heritage:

'Monuments, groups of buildings and sites with historical, aesthetic, archaeological, scientific, ethnological or anthropological value'



UNESCO's aims for World Heritage

Required = Preservation of OUV:

- **Protection**
- **Conservation and Enhancement**

Encouraged = Social benefit:

- **Public awareness – presentation of the Outstanding Universal Value of the World Heritage Site**
- **Local community participation**
- **International co-operation**





The Cornwall and West Devon Mining Landscape: 'Cornish Mining'

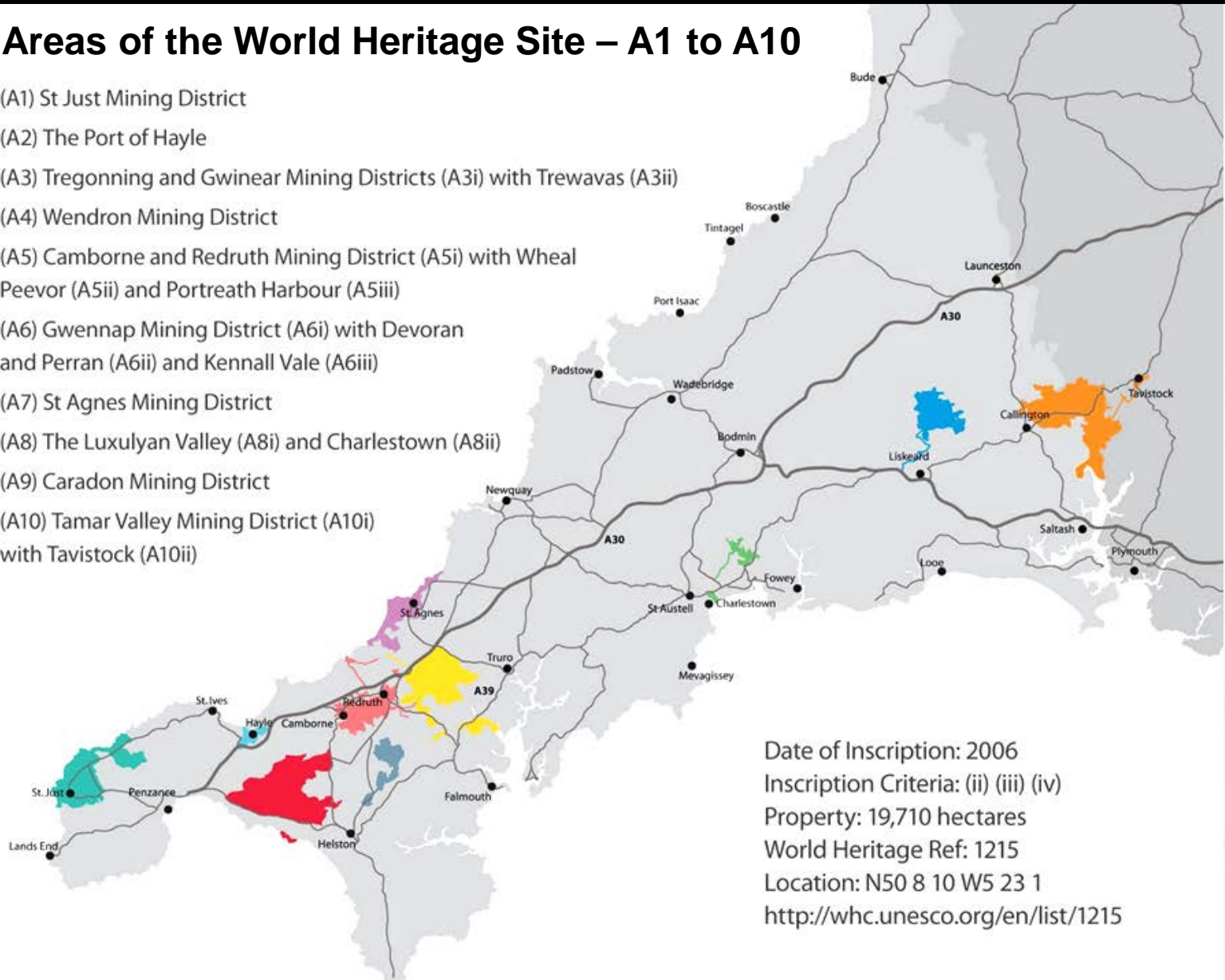
Ten areas – a 'serial' World Heritage Site

- **St Just**
- **Port of Hayle**
- **Tregonning, Gwinnear with Trewavas**
- **Wendron**
- **Camborne and Redruth**
- **Gwennap/Devoran/Kennall Vale**
- **St Agnes**
- **Luxulyan Valley and Charlestown**
- **Caradon**
- **Tamar Valley and Tavistock**



The ten Areas of the World Heritage Site – A1 to A10

-  (A1) St Just Mining District
-  (A2) The Port of Hayle
-  (A3) Tregonning and Gwinear Mining Districts (A3i) with Trewavas (A3ii)
-  (A4) Wendron Mining District
-  (A5) Camborne and Redruth Mining District (A5i) with Wheal Peevor (A5ii) and Portreath Harbour (A5iii)
-  (A6) Gwennap Mining District (A6i) with Devoran and Perran (A6ii) and Kennall Vale (A6iii)
-  (A7) St Agnes Mining District
-  (A8) The Luxulyan Valley (A8i) and Charlestown (A8ii)
-  (A9) Caradon Mining District
-  (A10) Tamar Valley Mining District (A10i) with Tavistock (A10ii)



Date of Inscription: 2006
Inscription Criteria: (ii) (iii) (iv)
Property: 19,710 hectares
World Heritage Ref: 1215
Location: N50 8 10 W5 23 1
<http://whc.unesco.org/en/list/1215>



The Cornwall and West Devon Mining Landscape: 'Cornish Mining'

Ten areas – a 'serial' World Heritage Site

- **19,710 hectares in extent**
- **The majority of the landscape in private ownership**
- **c. 85,000 residents within the WHS boundaries**
- **The largest World Heritage Site in the United Kingdom**



WHAT DEFINES THE CORNISH MINING WORLD HERITAGE SITE?

- **Seven landscape ‘attributes’ relating principally to copper and tin mining, spanning the nominal date range 1700 – 1914**

WHY COPPER AND TIN?

- **Cornwall and west Devon were producing one third of the world’s copper supplies during the first half of the nineteenth century, and most of the world’s tin until 1870**
- **The demand for copper particularly, spurred the introduction of high-pressure steam; Cornwall and west Devon were to become world leaders in steam pumping technology during the first half of the nineteenth century**
- **Other technical innovations include the invention of the world’s first safety fuse for blasting (shot firing), patented by William Bickford in 1831**



Some uses of copper and tin



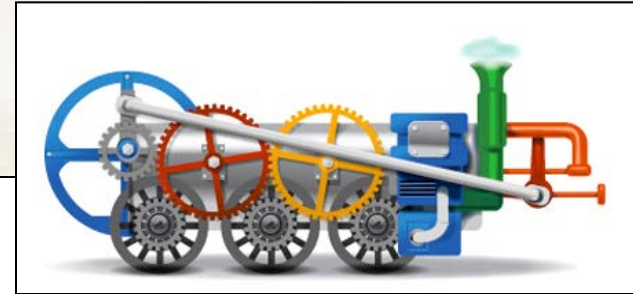
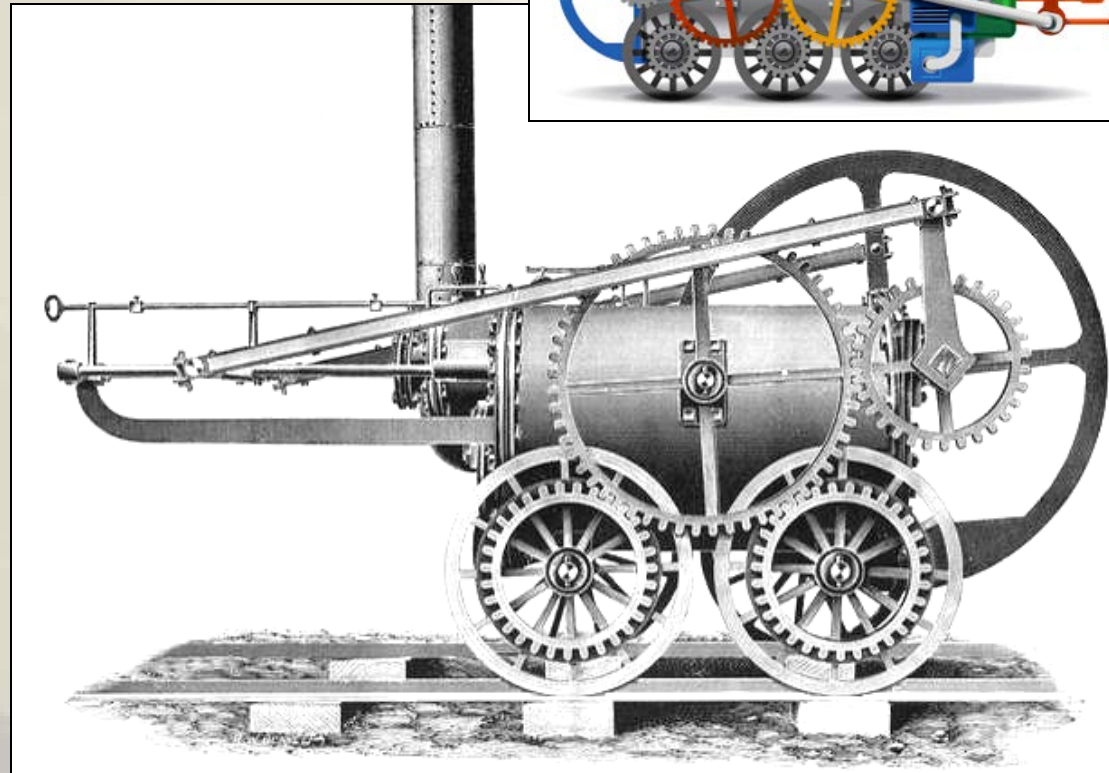
**Important industrial alloys
for machine parts**

1810: the first tin plated cans

**1780: HMS Victory's hull
below the waterline was
sheathed with 3,923 sheets
of copper to protect her
against the ship worm
(Teredo navalis)**



Technological step changes - Trevithick's high-pressure steam goes 'mobile'



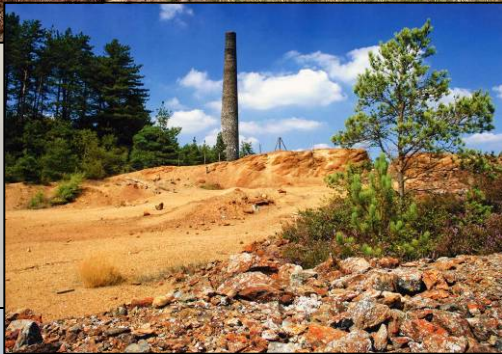
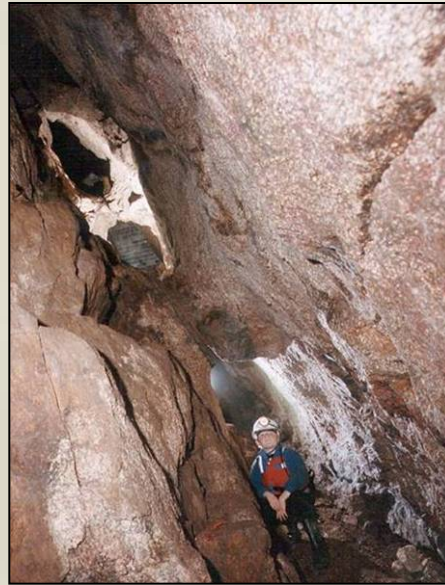
First steam railway locomotive (1804)

World's first practical steam road vehicle (1801)



‘ATTRIBUTES’ WHICH DEFINE THE WORLD HERITAGE SITE THROUGH THEIR ‘OUTSTANDING UNIVERSAL VALUE’

- **Metalliferous mine sites**
- **Mining related transportation**
- **Allied industries – e.g. foundries and tin smelters**
- **Mining settlements and social infrastructure – e.g. cottages and non-conformist chapels**
- **Mineworkers’ smallholdings – small subsistence farms**
- **Great houses, estates and gardens**
- **Mineralogical importance of Cornwall and west Devon & the science of mineralogy**





World Heritage Site Management



Above: The mining landscape around King Edward Mine near Truro

3.4 The setting of the World Heritage Site

3.4.1 What is setting?

A World Heritage Site must have its setting protected from adverse impacts. For a Site not its landscape beauty, assessment of significance, constitutes an adverse impact needs to focus on the criteria under which it was inscribed on the World Heritage List.

Identification of the setting can include the area within which developments would have a visual influence upon the OUV, and existing physical assets that are linked to it, historically or spatially. The setting of this Site therefore includes those sites, monuments, buildings and landscape components which provide additional historical or visual context.

Statutory strategic planning documents, such as the Cornwall Local Development Plan, include Management Plan policies on protection of the setting are material considerations, which require

planning authorities to assess impact on the of the Site as a factor when making planning decisions.

P3 Planning authorities should ensure that new development protects, conserves and enhances the Site and its setting.

P3 Developments outside the Site that will adversely affect its Outstanding Universal Value will be restricted of which are intervisible, it is not desirable or practicable to attempt to define a specific area for the setting within which development could adversely affect the OUV. Different types of development will have different impacts within different spatial parameters. For this reason a risk management approach to protection of the setting was taken.

3.4.2 Protection of the setting – developing the policy

In considering how to protect the setting it was necessary to establish

- Nature of the risks to the Site
- Extent of the setting within which these risks may exert an adverse impact



CORNISH MINING
WORLD HERITAGE

*Our mining culture
shaped your world*



**WHEAL MAID,
NEAR CROFTHANDY**

**WORKS TOTTALLING
£270,000 COMPLETED
IN AUGUST 2013**

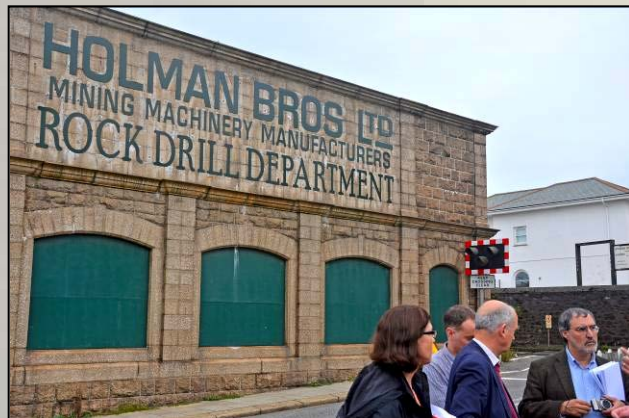
Conservation





Conservation and enhancement projects

- A total of 45 heritage projects have been pursued since inscription in 2006, targeting a range of sites and features of Outstanding Universal Value within the World Heritage Site
- Delivered by a range of partner agencies that have utilised World Heritage status to help secure funds
- The total approved funding for the above capital works to date: £94,559,100 (September 2013)





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WORLD HERITAGE

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shaped your world*



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CoMpany

TIN

WHAT LIES BELOW THE SURFACE?



Cultural Events programme



A WHS 'challenge fund' commissioning events which tell authentic stories and support cultural traditions - raising awareness and appreciation

'TIN' highlighted as one of the twelve best events of the 2012 Cultural Olympiad



CORNISH MINING WORLD HERITAGE

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Allihies, Ireland



Pachuca, Mexico



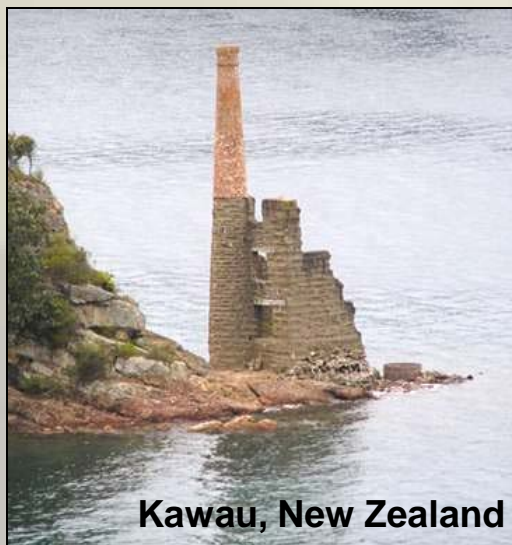
Moonta, S. Australia



Linares, Spain



O'okiep, South Africa



Kawau, New Zealand



Virgin Gorda, British Virgin Islands



Transnational ambitions – linked World Heritage Sites

- **The World Heritage Centre encourages the development of transnational Sites as a means of international co-operation**
- **A concept for a transnational, incremental, serial nomination comprising the best surviving and most historically significant international Cornish Mining cultural landscapes**
- **The Department of Culture, Media and Sport (DCMS) has given its approval as the representative body of the UK State Party for a international working group to be convened to explore this transnational concept**

Cornish Mining website: www.cornishmining.org.uk



Change Language:

Discover the Extraordinary

Our mining culture shaped your world...

View My Br

- Home
- Delving Deeper
- Areas, Places & Activities
- Events
- News
- Image Gallery
- Travel



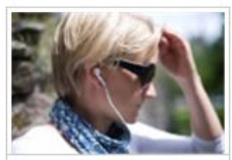
Start exploring...

Hover over an icon to explore the impact of Cornish mining on the world.



Activities

The Cornish mining landscapes are alive with activities for everyone.



Download the audio trails



Explore the ten unique areas

More activities

Get out & do it

Area Locations

Click on the coloured areas in the map below to find out more about the area and the great places to visit within the 10 distinct Cornish mining areas.



...and online newsletter

www.cornishmining.org.uk