

DATED

CAMBRIAN MOUNTAINS ESA, HISTORIC MONITORING

BASELINE 1995

A

OS 1:1000 SHEET: SM /SN 78	GRID REF: SM /SN 7950 8545
PRN: 9177 SITE NAME: PLYNLIMON LEAD MINE	
AIR PHOTO No 650 - 164	LANDSCAPE TYPE: Ia
No GROUND PHOTOS: 17	
DATE SURVEYED: 26/10/95	SURVEYED BY: G. HOPWOOD
<p>ACCESS: Surveyed from footpaths. Access from Eisteddfu Gung along Plynlimon footpath / track.</p> <p>Owners - Mr & Mrs. Thomas. 01970 890 684</p>	

B

<p>LAND COVER:</p> <p>SITE: Grassy SMRG with unvegetated spoil tips, and areas of mine buildings, waterwheel pits etc. Dam has continuous grassy SMRG cover.</p> <p>HALO: Grassy SMRG, Agrostis / Nardus / Eriophorum / Juncus.</p>

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C

LAND MANAGEMENT:

SITE: Rough grazing - sheep present. Does not appear to have been improved to any significant extent. Mine area open to sheep,
HALO: and spoil heaps have been used as a source of material for road/track building.

D

DESCRIPTION/CONDITION OF MONUMENT: Extensive area of lead mine workings with some interesting features remaining. These include -

3 water wheel pits, 1 having been filled in, showing remains of timber frames and iron bats.
A large dam, now breached, approx 30m wide by 10m high.

A shaft winding wheel approx 2m in diameter, intact

E

POTENTIALLY THREATENING FACTORS: (see Table 1)

Damage due to livestock and to a lesser extent human access onto site through poaching and direct erosion. Areas of spoil tips have been removed for track building. Dumping of carcasses in shafts / waterwheel pits. Very little rubbish present.

F

RATE OF DECAY:

STABLE

SLOW

RAPID

CONTINUED?

YES

NO

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SUPPLEMENTARY NOTES TO FIELD SURVEYS

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D/

and in good condition. Presently lying next to track on its side.

Remains of an incline / tramway from workings higher up the hill above the main site.

At least one fenced off mine shaft with an associated adit (now blocked).

An exposed adit showing wooden beams in situ.

Remains of mine shaft, now killed in, with substantial wooden beams and iron rods probably the remains of shaft headgear.

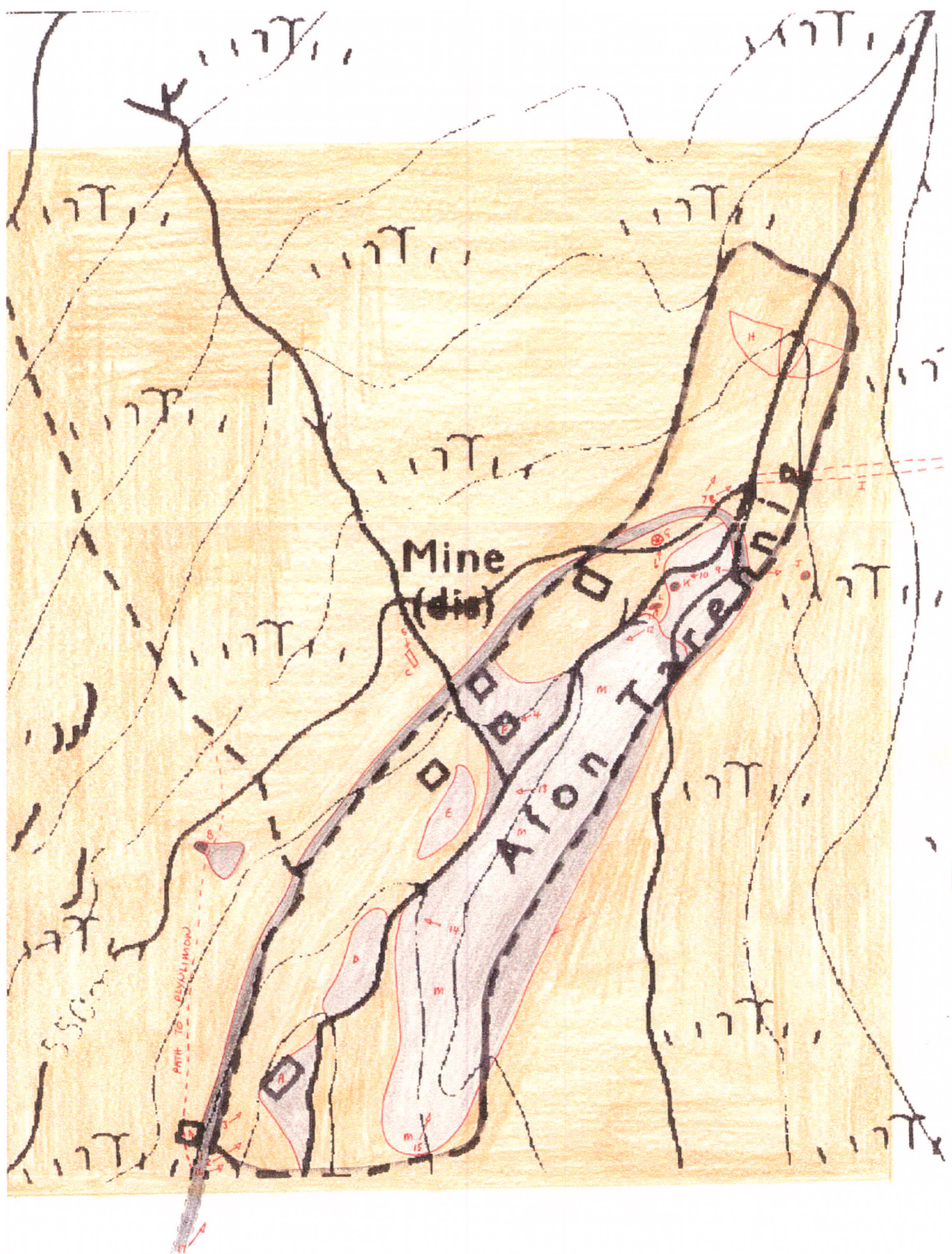
A row of wooden pilings running from above shaft head to site of large waterwheel pit approx 100m away (location K to F). Could be remains of water chute to power wheel or support for rods taking power from waterwheel to shaft head winding gear.

Overall condition is quite good, although buildings are becoming indistinct and stone/wood structures crumbling. Some infilling of wheel pits and shafts has taken place and spoil heaps have been disturbed. Livestock seem to favour mine area and are causing damage to features from trampling / rubbing etc.

E/

Area is exposed to elements which will cause slow deterioration overall, accelerated by animal / human impact.

POTENTIALLY THREATENING FACTORS				
AGENT	PRESENT		ACTION	SIGNIFICANCE
ANIMALS	Y	N	Burrowing - badgers, foxes, rabbits	Damage/disturbance to underground artefacts
	Y	N	Overgrazing - cattle, horses, sheep	Loss of vegetation cover/soil
	Y	N	Poaching - cattle, horses, sheep	Damage to vegetation cover, leading to erosion
	Y	N	Rubbing point/erosion focus point - cattle, horses, sheep	As above, plus possible damage to upstanding features
HUMAN	Y	N	Demolition or removal of monument	Active removal of artefacts/monument
	Y	N	Rubbish dumping	Infilling/contamination
	Y	N	Trampling/poaching - on footpaths/desire lines	Loss of vegetation cover/soil damage resulting in erosion
	Y	N	Mountain bikes/Motorcross etc	As above
	Y	N	Deep ploughing/Drainage works/Building	Damage/disturbance of artefacts
	Y	N	Shallow cultivation/reseeds	As above
	Y	N	Tree/Scrub removal by uprooting	As above
	Y	N	Scrub burning in bonfires	Intense heat at point source, damage to artefacts and alteration of soil profile
VEGETATION	Y	N	Root damage - trees and scrub (especially where deep rooted - heavy crowns)	Damage/disturbance of artefacts
	Y	N	Tree windthrow	Potential massive damage/disturbance
	Y	N	Scrub encroachment - bracken, gorse, rhodedendron, thorn	Root or rhizome damage/disturbance (bracken least significant)
WEATHER/SITE FACTORS	Y	N	High rainfall/windspeeds - exposure	Greater erosion risk than level, non exposed site
	Y	N	High gradient	



Site 9177

Key to Features on map

- A Large waterwheel pit
- B Adit with spoil tip
- C Small waterwheel pit - filled with rocks
- D Fine tailings from crushing mill?
- E Fine tailings from crushing mill?
- F Large waterwheel pit - partially filled with rubble. Timber frame and bolts visible.
- G Cast iron winding wheel - 1 - 1.5 m in diameter, intact and lying on its side.
- H Dam, now breached
- I Remains of incline from shaft higher up hill
- J Fenced off mine shaft
- K Filled in shaft with substantial wooden headgear still in situ
- L Exposed adit with timber stopes visible
- M Extensive area of spoil tips.

CAMBRIAN MOUNTAINS ESA HISTORIC MONITORING RESURVEY 1999

A

OS 1:10,000 SHEET: SN/ SO /SH 78		GRID REF: SN/SO/SH 7950 8575	
PRN: 9177 SITE NAME: PLYNLIMON LEAD MINE			
AIR PHOTO No: 650-164		LANDSCAPE TYPE: Ia	
No GROUND PHOTOS: 17			
DATE RESURVEYED: 14/6/99		RESURVEYED BY: W. SOMERFIELD.	

IF CHANGES TO ANY OF THE FOLLOWING HAVE OCCURRED SINCE THE BASELINE, DETAIL THESE CHANGES IN THE APPROPRIATE SECTION OF THE RESURVEY PROFORMA.

A:CHANGES TO ACCESS?

B:CHANGES TO LANDCOVER

C:CHANGES TO LAND MANAGEMENT

D:CHANGES IN DESCRIPTION/CONDITION OF MONUMENT

E:CHANGES IN POTENTIALLY THREATENING FACTORS

F:CHANGE IN RATE OF DECAY

NO <input checked="" type="checkbox"/>	YES
NO <input checked="" type="checkbox"/>	YES
NO <input checked="" type="checkbox"/>	YES
NO <input checked="" type="checkbox"/>	YES
NO <input checked="" type="checkbox"/>	YES
NO <input checked="" type="checkbox"/>	YES

A: ACCESS owners Mr + Mrs Thomas, 01970 890 684.

Checked + QCD
G. Atkinson 15/6/99

CAMBRIAN MOUNTAINS ESA HISTORIC MONITORING RESURVEY 1999

PRN

B:LANDCOVER

SITE:

HALO:

C:LAND MANAGEMENT

SITE:

HALO:

D:DESCRIPTION/CONDITION OF MONUMENT

E: POTENTIALLY THREATENING FACTORS (see table 1)

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