

Elan Links Heritage at Risk Part One



Report by: Trysor

For: Elan Valley Trust

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Elan Links Heritage at Risk

By

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Trysor

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For: Elan Valley Trust

January 2017

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Cover photograph: One of the concrete Boundary Posts that define the watershed for the reservoirs,

Elan Links Heritage at Risk

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Paratowyd yr adroddiad hwn gan bartneriad Trysor. Mae wedi ei gael yn gywir ac yn derbyn ein sêl bendith.

This report was prepared by the Trysor partners. It has been checked and received our approval.

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Croesawn unrhyw sylwadau ar gynnwys neu strwythur yr adroddiad hwn.

We welcome any comments on the content or structure of this report.

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Part Two of the report is a Site Gazetteer containing details of all 1585 historic assets recorded in the Elan Links Heritage At Risk database (ELHAR). This is a large document, provided as a pdf, and as such may not be suitable for printing

1. Introduction

1.1 Trysor were commissioned to undertake a Heritage at Risk survey of the historic assets within the Elan Links project area, in order to inform the Objectives of the project, in particular Objective 4.

1.2 This work was to include

- An assessment and overview of the significance of the Historic Environment assets in the Elan Valley, taking into account national, regional and local significance.
- Develop an 'at risk' condition recording methodology and matrix for the Elan Valley which draws upon established best practice and guidelines in the heritage sector. This will include consultation with the Elan Links Landscape Partnership and other stakeholders in the Historic Environment Sector including Cadw.
- Based upon the results of the above, establish an 'at Risk' database for the Historic Environment assets in the Elan Valley. Information contained within this database will need to be accessible on the Elan Valley Trust GIS system. Results should also be made available to the regional (CPAT and DAT) and National (NMRW) HERs.
- Through analysis of the database, provide information on those sites most 'at risk' within the Elan Valley Links project area, together with a costed outline work plan encompassing archaeological and repair measures that will help to improve their condition and longevity.



Figure 1: Location Map

2. Methodology

2.1 The Elan Links Project Area boundary was defined by adopting a current digital boundary provided by the Elan Valley Trust. This boundary was amended in several areas where the early 20th century Birmingham Corporation concrete boundary posts ran outside the digital boundary. One additional area was also incorporated into the Project Area, namely the woodland within the RSPB Nature Reserve along Allt Ddu, south of Elan Village, on the grounds of “added value” to the overall project (Trysor, 2016a).

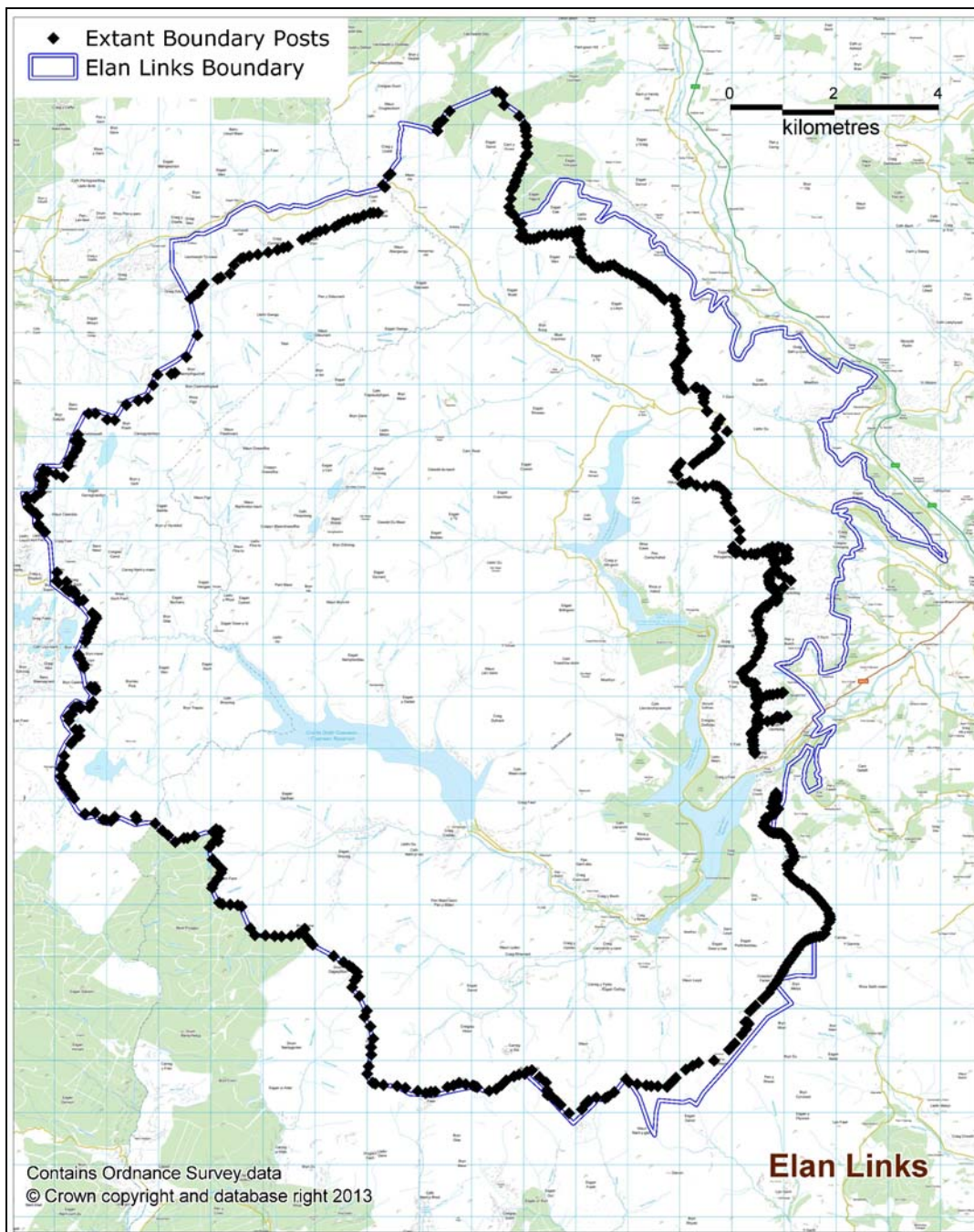


Figure 2: Elan Links Project Area showing the boundary and the watershed boundary posts

2.2 The complete records for all historic assets (archaeological monuments and features and historic buildings and places) for the Project Area were acquired from the following sources;

- National Monuments Record (NMR), held by the Royal Commission on the Ancient and Historic Monuments of Wales (RCAHMW).
- Historic Environment Record (HER), held by the Dyfed Archaeological Trust (DAT), for the area within Ceredigion.
- Historic Environment Record (HER), held by the Clwyd-Powys Archaeological Trust (CPAT), for the area within Powys.

This included a surrounding 1km buffer zone, to allow for any modifications to the Project Area boundary.

2.3 The NMR records were used as base records and incorporated into a bespoke project database, created in Microsoft Access. The database was designed to allow for the inclusion of core data for each recorded historic asset, including fields for the Significance of the historic asset, Threats and the Confidence in the accuracy and veracity of the record. The database structure is given in Appendix C.

2.3.1 It should be noted that records for structures and features relating to the infrastructure of the reservoirs of the Elan and Claerwen valleys, managed by Dŵr Cymru, have not been included in this project. Also excluded are the records for any historic assets which now lie submerged beneath the waters of the reservoirs.

2.3.2 Four disused lead mine complexes which are now Scheduled Ancient Monuments have also been included in this project but no management recommendations will be made for them. Any future management plans would need to be discussed with Cadw and the issues are complex and beyond the scope and budget of this project. The mines in question are Cwm Elan (RD153), Nant y Car South (BR232), Dalrhiw (BR231) and Nant y Garw (BR233).

2.4 The following number of records were included in the initial project database, based on the NMR;

- The NMR provided 2573 records of historic assets
- 570 of these were located outside the final Project Area boundary and not analysed.
- 73 of these were historic assets now submerged beneath the Elan Valley and Claerwen reservoirs

- 59 were component features within Scheduled Ancient Monuments (SAM) and therefore merged for the purposes of this project within an overall record for the SAM.
- 246 were records for Birmingham Corporation concrete boundary posts, which have not been analysed individually for this project, but have been recorded under a single record for the original estate boundary.
- 152 records were found to be either natural features or erroneous beyond resolution and therefore have been discarded as invalid records

2.5 DAT supplied 582 records of historic assets included in the Dyfed HER. Of these;

- 558 were located outside the boundary of the Project Area
- 15 records were found to be natural features or erroneous records
- 9 records included in the project database, either as new records or because they corresponded to an existing NMR record.

2.6 CPAT supplied 1431 records of historic assets included in the Clwyd-Powys HER. Of these;

- 459 were located outside the boundary of the Project Area
- 249 records were found to be natural features or erroneous records for various reasons
- 110 were component features within Scheduled Ancient Monuments (SAM) and therefore merged for the purposes of this project within an overall record for the SAM.
- 37 of these were historic assets now submerged beneath the Elan Valley and Claerwen reservoirs.
- 576 records included in the project database, either as new records or because they corresponded to an existing NMR record.

2.7 Following a detailed analysis of the database, there were 1585 records for historic assets;

- 1,479 individual historic assets recorded in the NMR were retained as valid and reasonably accurate records which fall within the boundary of the Elan Links Project Area.
- 106 additional records have been added to the database, mostly based on records included in the Clwyd-Powys HER.

3. Historic Assets at Risk

3.1 The record for each historic asset recorded in the project database has been evaluated to assess whether they have identifiable threats to their condition or survival, see Part Two – Gazetteer and Appendix C, database structure. The vast majority of historic assets will be subject to non-specific natural decay, but in some instances other threats, such as erosion, agricultural activity, development or even visitor pressure can play a part in impacting on the condition of an historic asset.

3.2 There are 40 Scheduled Ancient Monuments within the Project Area, the condition of which are monitored by Cadw's Field Monument Warden at regular intervals.

3.2.1 Cadw's Regional Inspector Will Davies has been consulted in relation to this project. He has supplied observations from the relevant Field Monument Warden, Helen Burnham, on issues associated with condition and threats to several Scheduled Ancient Monuments within the project area. This information has been added to the relevant records in the project database.

3.3 A total of 80 historic assets have been identified by the project as being vulnerable to some form of threat, see Figure 3 and Appendix A. These historic assets range from single cairns or long huts, to more complex settlements or sites such as unscheduled metal mine of Nant y Car North and the Esgair y Ty Rabbit Warren complex.

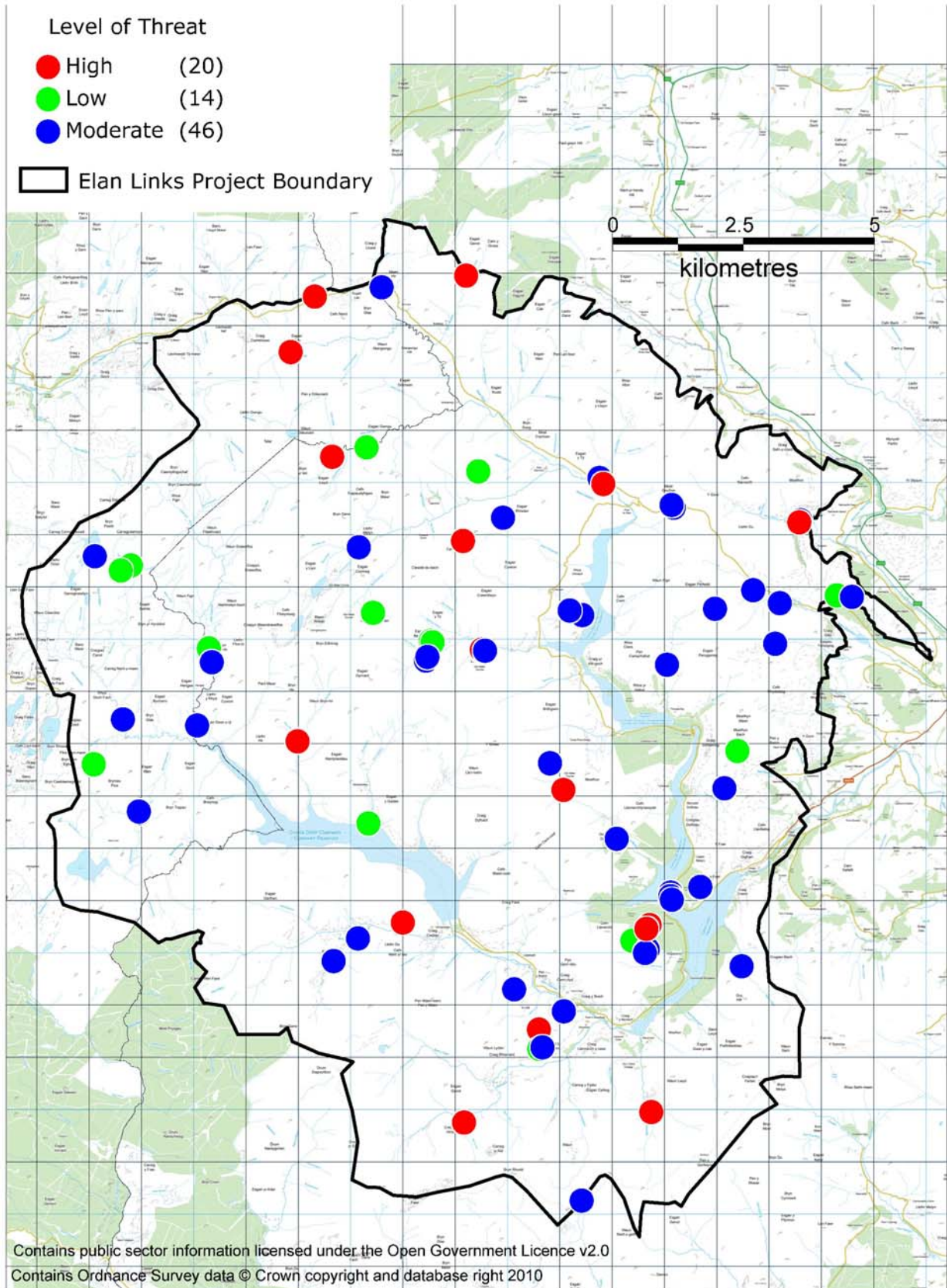


Figure 3: 80 historic assets identified as at risk

3.3.1 In terms of the level of threat faced by this group of 80 historic Assets;

- 20 were assessed as having a High level of threat,
- 46 have a Moderate level of threat
- 14 have a Low level of threat

3.3.2 In terms of the level of significance of the 80 threatened historic assets;

- 18 sites are Nationally Important (SAMs or other Nationally important sites)
- 7 are Regionally Important
- 31 are Locally Important
- 14 are of Minor Importance
- 10 are of Unknown Importance (insufficient information available to assess their significance)

3.4 After considering the situation of each of these 80 historic assets a list of those most needing intervention has been drawn up. Historic Assets of National Importance or with a High level of threat were prioritised, with some historic assets of Unknown importance also included, as they are potentially of National Importance.

4. Potential projects

4.1 A list of potential projects derived from the previous assessments consists of 15 historic assets, and 2 landscape areas it is believed require survey. The proposed actions include;

- vegetation clearance to improve access and understanding
- small-scale excavation to rescue data from threatened sites and improve understanding of the individual site or the site type
- landscape surveys of previously unsurveyed areas where known archaeological features have never been recorded and therefore are potentially vulnerable to impact
- landscape surveys of previously surveyed areas where the archaeological record is demonstrably inaccurate to a degree that is of concern, as many historic assets within this landscape have not been plotted correctly and are potentially vulnerable to impact.

4.2 The location of 15 historic assets are shown on Figure 4 and listed in Table 1. Details of the 2 landscape areas are given in paragraphs 4.3 and 4.4 and shown on Figure 5.

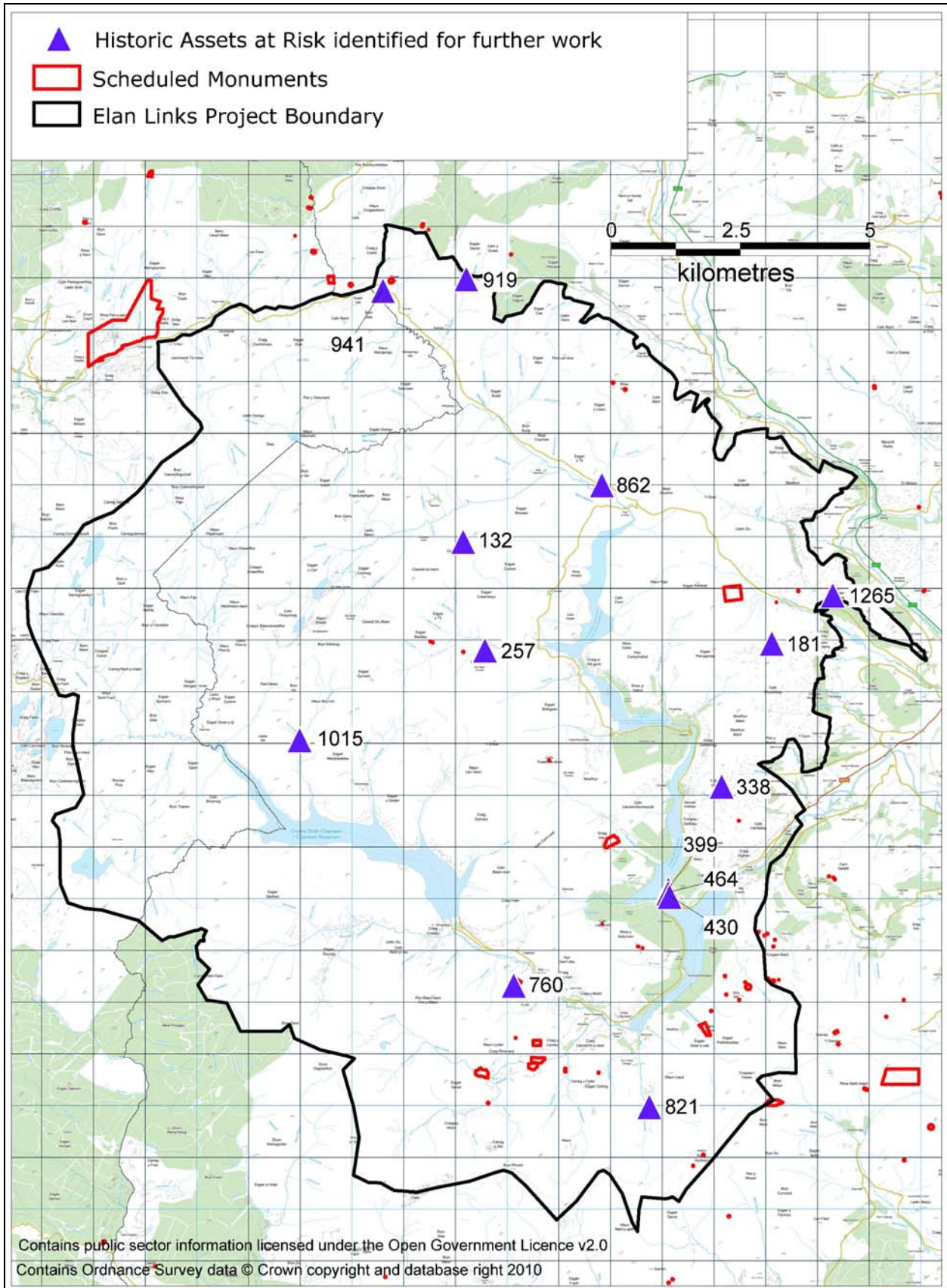


Figure 4: The fifteen historic assets at risk selected for further work

ELHAR ID Number	Site Name NPRN PRN	Threat and Management Recommendation	Outline cost
821	Marchnant Hafod II NPRN 277010 PRN 16557	The adjacent stream has already eroded the northern corner of the building. Excavate this long hut to retrieve any data before the stream causes more damage.	£3000
862	Esgair y Ty Platform NPRN 502521	Road widening or road works could destroy what remains of this platform. Excavate the remaining parts of the platform.	£3000
132	Carn Ricket NPRN 304804	Surface evidence for the cairn is now slight but it may still have archaeological potential. This cairn needs to be better understood. Geophysical survey may help reveal its character and identify any surviving features of archaeological interest, potentially followed by archaeological evaluation. Restoring the cairn as a landmark and rerouting the footpath around the monument would also improve matters.	£5000
1015	Hirnant Sunken Shelter NPRN 504591 PRN 128032	Purple moor grass tussocks are starting to break up the structure. Clear vegetation and potentially excavate the structure. Our understanding of Sunken Shelters is poor and needs enhancing.	£3000

ELHAR ID Number	Site Name NPRN PRN	Threat and Management Recommendation	Outline cost
1145	Hirnant Sunken Shelter NPRN 504592 PRN 128033	Reeds have invaded this site and it is close to the edge of the stream and may be eroded in future. Clear vegetation.	£500
919	Mytalog Long Hut NPRN 502557	At the north northeastern end, the eastern corner of the structure has been eroded by the Mytalog Fawr stream, suggesting a long term threat to the integrity of the site. Could be excavated in advance of further damage by the stream.	£3000
338	Glog Fawr Cairn SM - RD231 NPRN 261704 PRN 43983	Cadw report that the barrow is heavily bracken-covered. Careful removal of bracken.	£500
430	Penygarreg Pillbox I SM - RD266 NPRN 270333 PRN 110463	The pillbox is affected by vegetation. A picnic site alongside the pillboxes will potentially increase visitor footfall, raising safety issues and potential impacts on the structure. Interpretation could help develop an understanding of the importance of these pillboxes and their scheduled status.	Needs further discussion

ELHAR ID Number	Site Name NPRN PRN	Threat and Management Recommendation	Outline cost
464	Penygarreg Pillbox II SM - RD266 NPRN 270332 PRN	The pillbox is affected by vegetation. A picnic site alongside the pillboxes will potentially increase visitor footfall, raising safety issues and potential impacts on the structure. Interpretation could help develop an understanding of the importance of these pillboxes and their scheduled status.	Needs further discussion
399	Penygarreg Pillbox III RD266 NPRN 261690	The pillbox is affected by vegetation. A picnic site alongside the pillboxes will potentially increase visitor footfall, raising safety issues and potential impacts on the structure. Interpretation could help develop an understanding of the importance of these pillboxes and their scheduled status.	Needs further discussion
181	Trehesglog Cist RD211 NPRN 261589 PRN 43877	This feature would be easily lost if vegetation increased around it, particularly purple moor grass. Control bilberry growth and manage spread of heather or purple moor grass in the immediate vicinity.	£500
1265	Maen Serth Stone RD043 NPRN 140790 PRN 869	Visitor and sheep trampling around the base of the stone have eroded the land surface slightly. Resurface the area immediately around the stone base.	£1000

ELHAR ID Number	Site Name NPRN PRN	Threat and Management Recommendation	Outline cost
760	Cerrigllwydion Settlement BR287 NPRN 275646 PRN 64067	Bracken and other invasive species cover parts of the area. Bracken roots can damage archaeological features. Targeted removal of bracken from archaeological features. Resurvey.	£1000
941	Maen Hir Stone NPRN 502530	The stone was moved to its present roadside position in the 20th century and could be damaged or removed. Consider returning the stone to its original location and discussing re-erecting it as a standing stone, as local tradition maintains it once stood above the road, north of its present location.	£5000
257	Lluest Abercaethon, possible Ring Cairn NPRN 261659 PRN 43942	Although currently undamaged this feature would be susceptible to any future vehicular activity or farming activity in view of its proximity to a trackway. Geophysical survey to clarify its true purpose. Possibly evaluation excavation depending on results of geophysical survey.	£3000

- 4.3 **A relatively large area at the eastern side of the Elan Valley estate has not been surveyed in the past**, as it fell outside the areas designated for Upland Field survey by the RCAHMW (see accompanying map) see Figure 5. This area is approximately 3.2 square kilometres in extent and aerial photography indicates that it includes a significant amount of unrecorded archaeological features, including probable settlement sites, field systems and cultivation evidence. This area requires surveying to record all archaeological features to enable their management in the future and to avoid unintended impacts from land management. The estimated cost of such a survey would be £3000, which would include the production of a final report. Community involvement could be factored into the survey for added value.
- 4.4 Early upland survey work across the east and south of the Elan Valley estate area was undertaken without the use of GPS equipment, or with early, inaccurate GPS equipment (see accompanying map). This means that there is **low confidence in the locational accuracy and interpretation of historic assets included in the archaeological record for a large part of the estate**.
- 4.4.1 Demonstrable problems include historic assets which cannot be found at their given grid-references when desk-based sources are used, including aerial photographs and LiDAR. The problem is severe in areas where there are concentrations of records, such as Gro Hill, where there are numerous, important Bronze Age monuments.
- 4.4.2 There are already examples where poorly located historic assets, including Scheduled Ancient Monuments, are within landscapes where there is active mowing of purple moor-grass. Inadvertent damage to historic assets is a real possibility if they are not accurately recorded and highlighted to land managers.
- 4.4.3 There is also evidence that the earlier surveys failed to record key historic assets, and examples of this can be seen on aerial photographs and also in the recent fieldwork undertaken by amateur archaeologists within this area.
- 4.4.4 A large area has therefore been identified as requiring a resurvey. This area is approximately 65 square kilometres, see Figure 5. A resurvey to correct the record would cost £22500. Community involvement could be factored into the survey for added value.

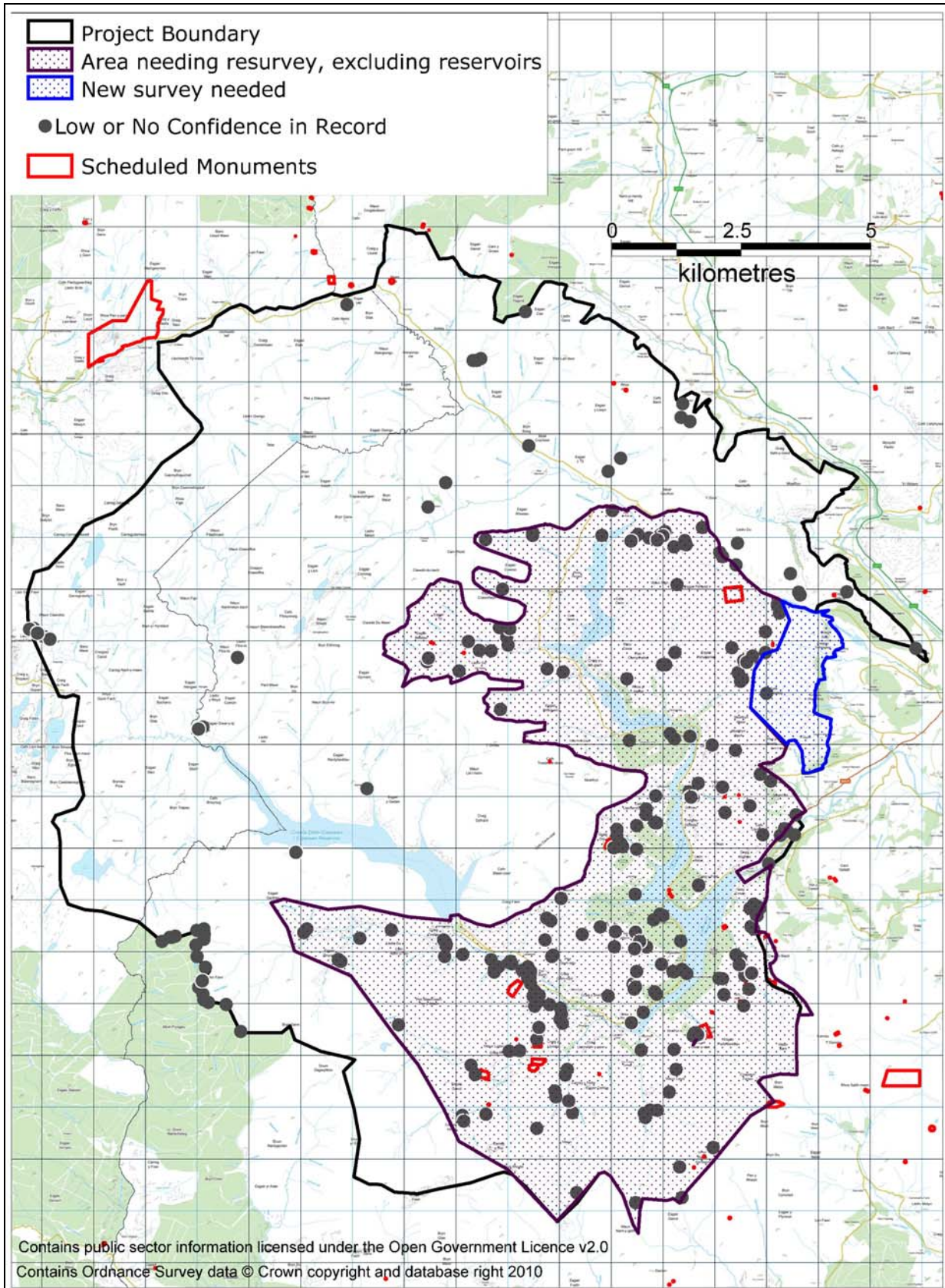


Figure 5: Areas requiring survey or resurvey

5. Bibliography

5.1 Published

Cadw, 2002, *What is Scheduling?*

Cadw, 2011, *Conservation Principles*

Trysor, 2016a, *Elan Links Landscape Character Assessment*

5.2 Unpublished

Cambrian Archaeological Projects, 2001. *Upland Initiative - The Elan Valley*. CAP Report 161

CCW, 2008, LANDMAP guidance note 1: *LANDMAP and Special Landscape Areas*, updated 2013, author NRW

Ceredigion County Council, 2010, *Designation of Special Landscape Areas*

Hall, J. & Sambrook, P., 2009a, *Uplands Initiative: Elenydd (North) Archaeological Survey*. Trysor Report

Hall, J. & Sambrook, P., 2009b, *Uplands Initiative: Elenydd (South) Archaeological Survey*. Trysor Report

Hall, J. & Sambrook, P., 2010, *Uplands Initiative: Elenydd (Central) Archaeological Survey*. Trysor Report

Hall, J. & Sambrook, P., 2012, *Uplands Initiative: Cwm Ystwyth Cwm Mwyro Archaeological Survey* Trysor Report

Hankinson, R, 2003, *Short Dykes and Linear Earthworks in mid and north-east Wales*, CPAT Report 592.

Hankinson, R, 2003. *Elan Valley (NE) Upland Survey, Powys: Field Survey*, CPAT Report 516.

Jones, N.W., 2003, *Prehistoric Funerary & Ritual Sites: Radnorshire*. Project Report, CPAT Report 524.

McCullough, A E , 2004 , *Tir Gofal Management Plan: Heritage Management Information (HE1). Claerwen - E/09/4728*, CPAT HE1.

Phipps, R J , 2003 , *Tir Gofal Management Plan: Heritage Management Information (HE1). Welsh Water Elan Trust - E/09/3779*, CPAT HE1.

Sambrook, P. & Silvester, R.J., 1997, *The Mynydd y Ffynnon archaeological and historic landscape survey*, unpublished CPAT

report

Silvester, R.J. 1994, *Elan Valley Uplands, Powys: field survey*. CPAT report 97.

Silvester, R.J., 1997a, *Deserted medieval and later rural settlements in Radnorshire: The First Report*, CPAT Report 227.

Silvester, R.J., 1997b, *The Mynydd y Ffynnon Landscape Survey II*. CPAT report 234.

Silvester, R.J., & Owen, W.J., 2003. *Roman Roads in Mid and North-East Wales: The First Report*, CPAT Report 527.

Winchester, A., & Straughton, E., 2009, *Elan And Claerwen Valleys, Powys: Historical Briefing Paper (Revised Version)*. For the AHRC Contested Common Land Project: Universities of Newcastle and Lancaster, May 2009.

Appendix A The Eighty Historic Assets Identified as At Risk

Project ID Number	Historic Asset Name	Historic Asset Type	Level of Threat	Type of Threat
59	NANT YR HAIDD, AIR CRASH SITE	AIR CRASH SITE	Low	Visitor Erosion
60	ELAN VALLEY ESTATE, BOUNDARY	BOUNDARY	Moderate	Natural Decay
78	RHOS Y GELYNEN, STANDING STONE PAIR	STANDING STONE PAIR (POSSIBLE)	Low	Agricultural Re-Use
596	NANT YR IAU ENCLOSURE	LONGHOUSE (POSSIBLE)	Moderate	Erosion
579	AFON ARBAN SHAFT	SHAFT	High	Other
584	NANT Y CAR (NORTH)	METAL MINE	Moderate	Agricultural Re-Use; Natural Decay
517	LLUEST ABER CAETHON BARN	BARN	High	Natural Decay
488	CWM ELAN MINE HOUSE	HOUSE	Moderate	Natural Decay
483	CLAERDDU, STRUCTURE I	LONG HUT (POSSIBLE)	Moderate	Erosion
490	ESGAIR PERFEDD BOUNDARY BANK	ENCLOSURE	Moderate	Erosion
554	NANNERTH-FFRWD, ENCLOSURE	ENCLOSURE	Moderate	Water Drainage
785	CAE BLAEN METHAN SHED	SHEEP DIP	High	Natural Decay
798	NANT-Y-FFRWD, HUT I	PLATFORM	Moderate	Other
760	CERRIG LLWYDION DESERTED RURAL SETTLEMENT	DESERTED RURAL SETTLEMENT	Moderate	Vegetation
821	MARCHNANT HAFOD II	LONG HUT	High	Erosion
812	NANT YR AST HAFOD	LONG HUT	High	Erosion
823	CERRIG PLWM SHAFT III	SHAFT	High	Other
677	ESGAIR GNYCOG LONG HOUSE	LONGHOUSE	Moderate	Erosion
230	CEFN GWAIR CAIRN II	CAIRN	Moderate	Agriculture
239	CEFN TROEDRHIW-DRAIN CIST	CIST	Moderate	Vegetation
243	CEFN GWAIR CAIRN I	CAIRN	Moderate	Agriculture
207	LLUEST ABER CAETHON HOUSE I	HOUSE	High	Natural Decay
246	CRAIG-Y-LLYSIAU PREHISTORIC SETTLEMENT SITE	SETTLEMENT	Low	Other
271	ESGAIR BEDDAU CAIRN I	ROUND BARROW	Low	Other
285	LLUEST ABER CAETHON HOUSE II	HOUSE	High	Natural Decay
257	LLUEST ABER CAETHON RING CAIRN	ENCLOSURE	Moderate	Vehicle Erosion; Agriculture
278	ESGAIR BEDDAU CAIRN II	ROUND BARROW	Low	Other
245	NANT-Y-FFRWD, HUT II	HUT	Moderate	Other
220	ESGAIR-Y-TY, RABBIT	RABBIT WARREN	Moderate	Erosion

Project ID Number	Historic Asset Name	Historic Asset Type	Level of Threat	Type of Threat
	WARREN			
132	CARN RICET	CAIRN	High	Visitor Erosion
181	TRE-HESGLOG CIST; NANT Y LLYN CIST	CIST	Moderate	Vegetation
172	NANT HESGOG SHEEPFOLD	LONG HUT?;SHEEP FOLD?	Moderate	Erosion
408	BRIDDEL FELEN STANDING STONE;NANTGWYNLLYN STANDING STONE	STANDING STONE	Moderate	Erosion
427	BWLCH-Y-DDAU-FAEN, STONE CIRCLE	STONE SETTING	Moderate	Erosion
394	RHOS-Y-GELYNEN, CAIRN II	ROUND BARROW	Moderate	Agriculture
383	COED-Y-FOEL, ENCLOSURE II	LONG HUT (POSSIBLE)	Moderate	Afforestation
396	COED-Y-FOEL, TRACK	LINEAR FEATURE	Moderate	Afforestation
399	COED-Y-FOEL, PILL BOX III	PILLBOX	Moderate	Vegetation; Tourism
418	COED-Y-FOEL HAFOD	HAFOD	Moderate	Afforestation
455	RHOS-Y-GELYNEN, CAIRN I	ROUND BARROW	Moderate	Agriculture
472	COED-Y-FOEL, ENCLOSURE BANK I	BOUNDARY BANK	Moderate	Afforestation
473	COED-Y-FOEL, ENCLOSURE III	BUILDING	Moderate	Afforestation
441	COED-Y-FOEL, ENCLOSURE I	ENCLOSURE	Moderate	Afforestation
464	COED-Y-FOEL, PILL BOX II	PILLBOX	Moderate	Vegetation; Tourism
430	COED-Y-FOEL, PILL BOX I	PILLBOX	Moderate	Vegetation; Tourism
338	GLOG FAWR CAIRN	ROUND BARROW (POSSIBLE)	Moderate	Vegetation
362	LLANERCHI HOUSE II; CAE SGUBOR	BARN	High	Forestry
363	LLANERCHI	HOUSE	High	Forestry
1312	NANT-Y-GRO BOUNDARY BANKS	BANK (EARTHWORK)	Moderate	Vehicle Erosion
1286	SARN GEUFRON, MILESTONE	MILESTONE	Moderate	Vehicle Erosion
1288	NANNERTH-FFRWD, WALL	WALL	High	Water Drainage
1265	MAEN SERTH ESGAIR DDERW, STONE;CARREG BICA	STANDING STONE	Low	Erosion
1267	GWAITH Y MWYNAU; ESGAIR DDERW, SHAFT	MINE SHAFT (POSSIBLE)	Moderate	Vehicle Erosion
1497	SARN GEUFRON, PLATFORM	PLATFORM	Moderate	Stock Trampling
1506	CRAIG LLYSIAU HUT CIRCLE I	HUT CIRCLE	Moderate	Other
1577	LLYN FYRDDON FAWR,	DAM	Moderate	Erosion

Project ID Number	Historic Asset Name	Historic Asset Type	Level of Threat	Type of Threat
	DAM			
1555	NANT LLYN Y FIGYN, LONG HUT	LONG HUT	Low	Agriculture
1433	NEINT, DAM	DAM	High	Erosion
1445	AFON GWNGU, STRUCTURE	LONG HUT (POSSIBLE)	Low	Erosion
1411	AFON ELAN, SHEEP FOLD I	SHEEP FOLD	High	Erosion
1404	BRYN Y GEIFR, LONG HUT	LONG HUT	Low	Agriculture
1406	TRACKWAY, NANT MELYN	TRACKWAY	Low	Water Drainage; Vegetation
1475	ESGAIR WEN, EARTHWORK I	EARTHWORK	Moderate	Vegetation
1449	ESGAIR WEN, EARTHWORK II	EARTHWORK	Moderate	Vegetation
979	MONKS WAY: CARN RICET TO RHYD HENGAE	TRACKWAY	Low	Erosion
941	MAEN HIR, STANDING STONE	STANDING STONE (POSSIBLE)	Moderate	Road
951	AFON CLAERWEN, LONGHOUSE	LONGHOUSE	Low	Erosion
1015	HIRNANT CLAERWEN, SHELTER II	SHELTER	High	Vegetation
862	ESGAIR Y TY, PLATFORM	PLATFORM	High	Development
919	MYTALOG FAWR, LONG HUT	LONG HUT	High	Erosion
934	AFON CLAERWEN, LONG HUT	LONG HUT	Moderate	Erosion
1149	AFON CLAERWEN, SHELTER	SHELTER	Moderate	Erosion
1145	HIRNANT CLAERWEN, SHELTER I	SUNKEN SHELTER	High	Erosion; Vegetation
1158	LAN FRAITH, ROUND BARROW	ROUND BARROW	Low	Agricultural Re-Use
1181	ESGAIR RHIWLAN, ARTILLERY RANGE	FIRING RANGE	Moderate	Visitor Damage
1033	NANT Y BEDDAU, LONGHOUSE	LONGHOUSE	Low	Other
1037	NANT HIRIN, LONG HUT	LONG HUT	Moderate	Erosion
1042	CLAERWEN, FIELD SYSTEM	FIELD SYSTEM	Moderate	Agricultural Re-Use
1111	NANT BRYN YR IEIR, WALL	WALL	High	Erosion
1095	NANT BRYN YR IEIR, STRUCTURE	COTTAGE (POSSIBLE)	High	Erosion

Appendix B Glossary

Term	Definition	Source
CPAT	Clwyd Powys Archaeological Trust	www.cpat.org.uk
DAT	Dyfed Archaeological Trust	www.dyfedarchaeology.org.uk
Group Value	Cadw use Rarity as one of seven criteria when assessing whether an historic asset is worthy of scheduling. They define Group Value as "The value of a single monument (such as a field system) may be greatly enhanced by its association with related contemporary monuments (such as a settlement and cemetery) or with monuments of different periods. In some cases, it is preferable to protect the complete group of monuments, including associated and adjacent land, rather than to protect isolated monuments within the group."	Cadw, 2002, What is Scheduling?
Historic Asset	An identifiable component of the historic environment. It may consist or be a combination of an archaeological site, and historic building, or a parcel of historic landscape. Nationally Important historic assets will normally be designated	Cadw , 2011, Conservation Principles
Historic Environment	All aspects of the environment resulting from the interaction between people and places through time, including all surviving physical remains of past human activity, whether visible, buried or submerged, and deliberately planted or managed.	Cadw , 2011, Conservation Principles

Term	Definition	Source
Historic Environment Record (HER)	A public, map-based data set, primarily intended to inform the management of the historic environment. In Wales these are maintained by the four Welsh Archaeological Trusts	Cadw , 2011, Conservation Principles
Listed Building	Over 30,000 in Wales	
NPRN	Unique number used by RCAHMW to identify individual historic assets	
PRN	Unique number used by the Historic Environment Records (HERs) to identify individual historic assets. Each of the four HERs in Wales has its own sequence of numbers.	
RCAHMW	Royal Commission on the Ancient and Historical Monuments in Wales, established in 1908. it defines its roles as "a leading national role in developing and promoting understanding of the archaeological, built and maritime heritage of Wales, as the originator, curator and supplier of authoritative information for individual, corporate and governmental decision makers, researchers, and the general public."	http://rcahmw.gov.uk/home/

Term	Definition	Source
Rarity	<p>Cadw use Rarity as one of seven criteria when assessing whether an historic asset is worthy of scheduling. They define it as "There are some monument categories which in certain periods are so scarce that all surviving examples which still retain some archaeological potential should be preserved. In general, however, a selection must be made which portrays the typical and commonplace as well as the rare. This process should take account of all aspects of the distribution of a particular class of monument, both in a national and a regional context."</p>	Cadw, 2002, What is Scheduling?
Scheduled Monument	<p>These are historic assets protected by in law. There are over 4,100 in Wales</p>	
Setting	<p>Cadw define setting as "The surroundings in which an historic asset is experienced, its local context, embracing past and present relationships to the adjacent landscape"</p>	Cadw , 2011, Conservation Principles

Appendix C Database Structure

Field Name	Data Type	Description	Control
Project_ID	Number	ID number for the Elan Links project.	Unique numeric identifier
NPRN	Number	Unique identifier used by the NMR (National Monuments Record) at the RCAHMW (Royal Commission on the Ancient and Historic Monuments in Wales) in Aberystwyth - numeric NPRN - National Primary Record Number	Unique numeric identifier
PRN	Text 50 characters	Unique Identifier used by regional HER (Historic Environment Record) - PRN - Primary Record Number	Unique numeric identifier
HER	Text 50 characters	The regional HER (Historic Environment Record) which uses the PRN (Primary Record Number) given in the PRN field	DAT - Dyfed Archaeological Trust CPAT - Clwyd Powys Archaeological Trust
name	Text 255 characters	Name given to the historic asset. Where a record already exists in the NMR or HER, the name replicates the name given there, but with any spelling errors corrected	Upper Case
type	Text 255 characters	The type of historic asset	Conforming to the RCAHMW Monument thesaurus http://heritagedata.org/live/schemes/10.html
broadclass	Text 255 characters	A broad class of type of historic asset, allowing sites with a similar function to be grouped together, conforming to the top class in the RCAHMW Monument thesaurus	Conforming to the top class in the RCAHMW Monument thesaurus http://heritagedata.org/live/schemes/10.html

Field Name	Data Type	Description	Control
		http://heritagedata.org/live/schemes/10.html	
period	Text 255 characters	The archaeological or historical period to which the historic asset primarily belongs	Conforming to the period in the RCAHMW Period thesaurus http://heritagedata.org/live/schemes/11.html . Normal case, more than one can be given separated by semi-colons.
Site_Status	Text 255 characters	Any status accorded to the site, in particular national designations.	Normal case, more than one can be given separated by semi-colons. Controlled list: Descheduled Ancient Monument Listed Building Scheduled Ancient Monument Tree Preservation Order
SAM Number	Text 30 characters	The unique identifier given to a scheduled site consisting of a two letter code for the pre 1974 county that the historic asset lies in, followed by a numeric identifier. RD - Radnorshire BR - Brecknockshire, CD - Cardiganshire MG - Montgomeryshire	Relevant county codes RD - Radnorshire BR - Brecknockshire, CD - Cardiganshire MG - Montgomeryshire
Listed Building Number	Number	A unique numeric identifier	
Grade	Text 225 Characters	Grade of Listed Building	I - Buildings of exceptional, usually national, interest, II* - Particularly important buildings of more than special interest

Field Name	Data Type	Description	Control
			II - Buildings of special interest which warrant every effort being made to preserve them
Rarity	Text 50 Characters	How common or rare a type of historic asset is.	Controlled list - Common; Not Common; Not Rare; Rare; Not Known
summary	Memo	Description provided with dataset from the NMR. This should not be published or passed on without consulting the NMR	
Short_Text	Memo	Description written by Trysor for the Elan Links project. Sites of Minor Importance not always described	Free text
evidence	Text 255 characters	The form of the evidence which tells us of the presence of the site, whether it is physical evidence or implied evidence	Controlled list taken from RCAHMW Evidence thesaurus: Building; Complex; Cropmark; Documentary Evidence; Earthwork; Enhanced Natural Feature; Natural Feature; Structure; Placename Evidence; Ruined Building; Ruined Structure; Structure; Wreckage
condition	Text 255 characters	Condition of the historic asset	Controlled list taken from RCAHMW Condition thesaurus: Converted;

Field Name	Data Type	Description	Control
			Damaged; Destroyed; Excavated; Intact; Moved; Near Destroyed; Near Intact; Not Applicable; Not Known; Restored; Wreckage
ngr	Text 255 characters	The Ordnance Survey National Grid Reference	
east	Numeric	Six figure eastings	
nrth	Numeric	Six figure northings	
NGRAD	Text 50 characters	National Grid Reference Accuracy Description. A means to describe the accuracy of a given grid reference.	Controlled list of terms conforming to RCAHMW thesaurus. Approximate; Area Centred; Corner of 5km Sheet; Corner of Km Square; Feature Centred; Group or Complex Centred; Inaccurate; Linear; Unknown
Pre74co	Text 100 characters	Pre 1974 County.	Controlled list: Cardiganshire; Montgomeryshire; Radnorshire
Unitary_ Authority	Text 100 characters	Current County Council	Controlled list: Ceredigion;Powys
community	Text 255 characters	Current community council	Controlled List: Llanafanfawr; Llanwrthwl; Llanwrtyd Wells; Rhayader; Treflys; Various; Ysbyty Ystwyth;

Field Name	Data Type	Description	Control
			Ystrad Fflur
parish	Text 60 characters	Not used	Not used
Map	Text 255 characters	Ordnance Survey quarter sheet	
KMSQUARE	Text 255 characters	Ordnance Survey kilometre square	
url	Text 255 characters	URL link to the relevant record on COFLEIN, where a record existed in the NMR	
altitude	Number	Altitudes derived from height data by RCAHMW with original NMR dataset.	
Editdate	Date	Date of last edit	DD/MM/2016
Editname	Text 50 character	Name of last editor	Free Text
Documentati on	Text 250 character	Sources	Free Text, following standard reference format
Group Value	Text 250 character	Other historic assets which may be associated with the historic asset.	Free text.
Land_Use	Text 250 character	Current use of the land	Controlled list.
Evidential Value	Text 250 character	One of the four Values outlined by Cadw in Conservation Principles that contribute to Significance.	Free text.
Historical Value	Text 250 character	One of the four Values outlined by Cadw in Conservation Principles that contribute to Significance.	Free text.
Aesthetic Value	Text 250 character	One of the four Values outlined by Cadw in Conservation Principles that contribute to Significance.	Free text.
Communal	Text	One of the four Values	Free text.

Field Name	Data Type	Description	Control
Value	250 character	outlined by Cadw in Conservation Principles that contribute to Significance.	
Significance	Text 50 character	The	Free text.
Setting	Memo	The elements of the landscape surrounding an historic asset that allows us to appreciate, understand and enjoy it.	Free text.
Known Threat	Text 50 character	Has a current known threat been identified?	Yes, No, Not Identified
Level of Threat	Text 20 character	Level of threat	Very High, High, Moderate, Low, Very Low
Type of Threat	Text 50 character	Type of threat	Controlled List conforming to RCAHMW thesaurus: Adaptive Re-Use; Afforestation; Agricultural Re-Use; Agriculture; Animal Burrowing; Building; Caving; Clearance; Collapse; Development; Dumping; Electricity Pole; Erosion; Extractive Industry; Fire; Footpath; Forestry; Industry; Landscaping; Metal Detecting; Military Activity; Natural Decay; Not Applicable; Other;

Field Name	Data Type	Description	Control
			Ploughing; Re-Use; Recreational Use; Redevelopment; Road; Scrub Growth; Stock Trampling; Stone Robbing; Tourism; Tree Felling; Tree Growth; Tree Throw/Roots; Vandalism; Vegetation; Vehicle Erosion; Visitor Damage; Visitor Erosion; Water Drainage; Woodland
Threat description	Memo		Free text.
Management Recommendation	Memo		Free text.
Accessibility	Text 520 character	The level of accessibility of the historic asset.	Free text.
Confidence	Text 20 character	Level of confidence of the integrity of the record, including location.	High, Moderate, Low, None
Confidence description	Memo	Qualifies the level of confidence in the record.	Free Text