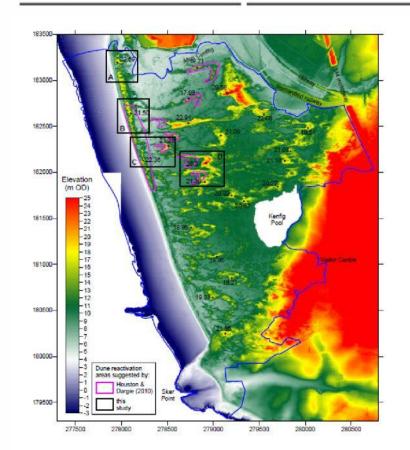




## Expenditure on excavation work for the Welsh dune rejuvenation programme, 2011-2013.

| Site Work               | Description                         | Cost  |
|-------------------------|-------------------------------------|---|
| Kenfig NNR, Phase 1     | Excavation of 3.5ha plot            | £35K - £15K ERDF + £20K from Plantlife              |
| Kenfig NNR, Phase 1     | Spraying of vegetation regrowth     | £1.5k from CCW                                      |
| Kenfig NNR, Phase 2     | Excavation of 6.5ha plot            | £35K from ERDF, £6,600 from CCW + ?? from Plantlife |
| Merthyr Mawr Warren NNR | Excavation of 1.5ha plot            | £15K from ERDF                                      |
| Newborough Warren NNR   | Excavation of 3 plots totalling 3ha | £24K from CCW + £4K from<br>Pond Conservation       |
| Brownslade Burrows      | Excavation of 1ha plot              | £3650 from CCW                                      |

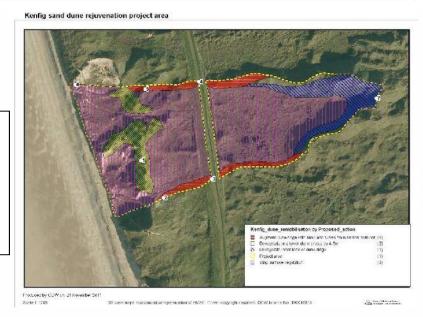
This does not include costs for geomorphological or biological surveys nor monitoring costs.



Findland by CCM are 6 March 2013:
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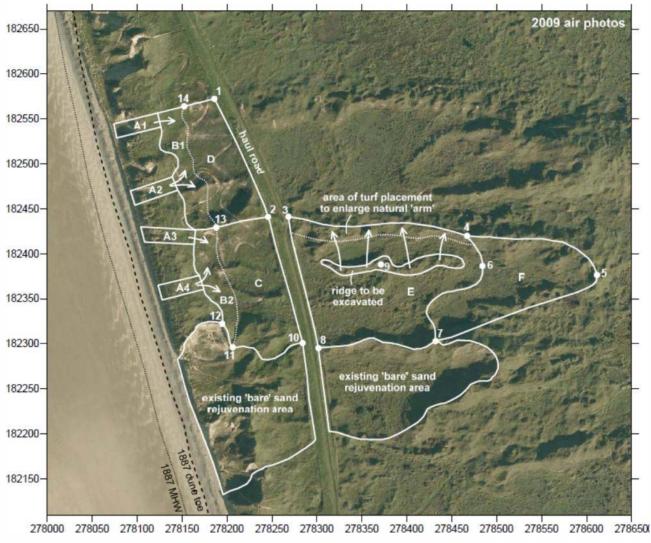
Pye, K. & Blott, S.J. 2011. *Kenfig Sand Dunes*- *Potential for Dune Reactivation*. CCW
Contract Science 971. Countryside Council for Wales.



Twyni Cymreig Adnewyddol / Rejuvenating Welsh Dunes







### Twyni Cymreig Adnewyddol / Rejuvenating Welsh Dunes









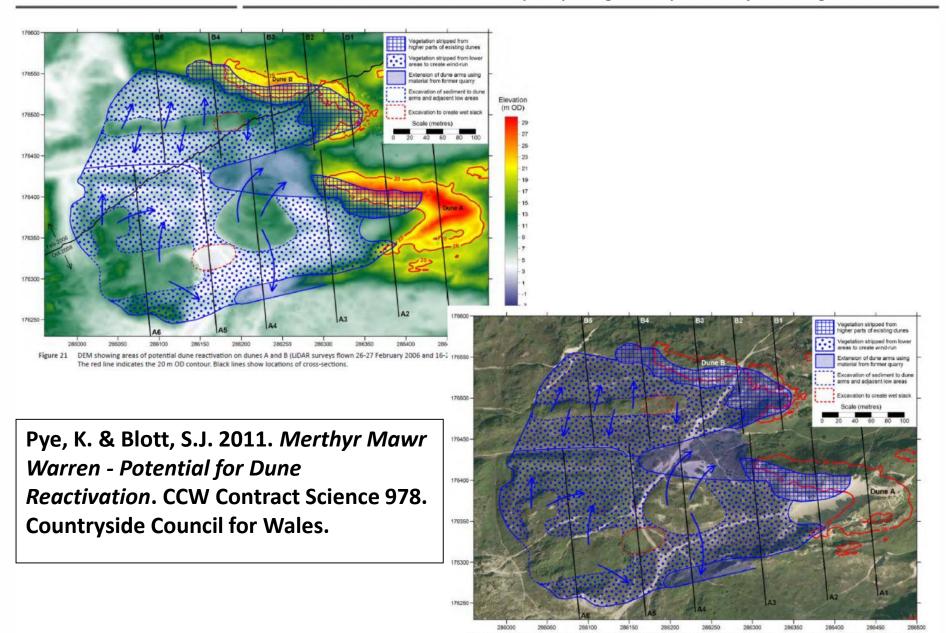


Figure 22 Aerial photograph showing areas of potential dune reactivation on dunes A and B, flown 13 September 2009. The red line indicates the 20 m OD contour from a LiDAR survey flown 26-27 February 2006.

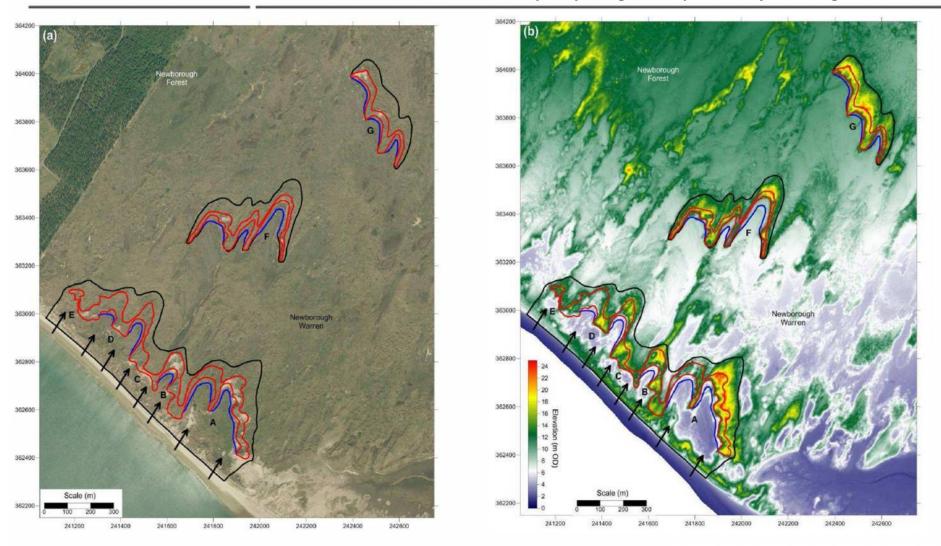
#### Twyni Cymreig Adnewyddol / Rejuvenating Welsh Dunes



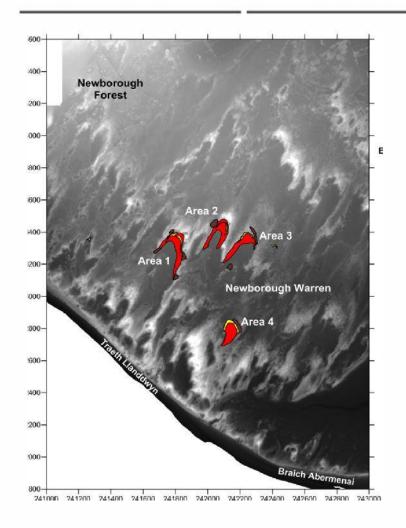








## **Newborough Warren**







### **Brownslade Burrows**

A total of 0.98ha of turf was removed from an area of previously disturbed dunes.

- 0.36ha of rank grassland and blackthorn were removed and the turf used to build bunds to attempt to funnel wind and allow sand to move.
- The area had to be of restricted size due to the presence of known but un-surveyed historic monuments in the area.
- It is hoped that if sand does blow about it will deposit it in a 0.21ha area that supports some petalwort but has a very thin layer of sand and cannot itself be turf-stripped.
- The remaining 0.62ha (three areas of 0.18ha, 0.15ha & 0.08ha respectively) of mostly rank grassland was also subjected to turf stripping.
- All existing mapped petalwort slacks were avoided as the latesuccessional stages were found to both support sparse petalwort populations and support diverse bryophyte communities.

# Expenditure on excavation work for the Welsh dune rejuvenation programme, 2011-2013.

| Site Work                  | Description                         | Cost  |
|----------------------------|-------------------------------------|---|
| Kenfig NNR, Phase 1        | Excavation of 3.5ha plot            | £35K - £15K ERDF +<br>£20K from Plantlife                 |
| Kenfig NNR, Phase 1        | Spraying of vegetation regrowth     | £1.5k from CCW  |
| Kenfig NNR, Phase 2        | Excavation of 6.5ha plot            | £35K from ERDF, £6,600<br>from CCW + ?? from<br>Plantlife |
| Merthyr Mawr Warren<br>NNR | Excavation of 1.5ha plot            | £15K from ERDF  |
| Newborough Warren NNR      | Excavation of 3 plots totalling 3ha | £24K from CCW + £4K from Pond Conservation                |
| Brownslade Burrows         | Excavation of 1ha plot              | £3650 from CCW  |

This does not include costs for geomorphological or biological surveys nor monitoring costs.



Pembrey Burrows

Clear sea buckthorn from dune frontage?

**Open up forest?** 

**Create pioneer slacks?**