**Clackmannanshire Field Studies Society**

**Two Estates - Lade Project**

Our next project is a study of the two Clackmannanshire colliery lades. These lades were constructed in the period 1690 to 1713; the first on the Clackmannan estate and the second on the Alloa estate.

The Clackmannan (Craigrie) lade was developed in the late 17th century to feed water powered engines draining pits at Clackmannan and the Alloa (Gartmorn) lade was built in the early 18th century to drain pits at Carsebridge, north east of Alloa. Both lades took their water from the River Black Devon and had storage dams for ensuring a regular supply, especially in the summer months when the flow of the River Black Devon could be extremely low. Both lades later provided water power for other industries and eventually a domestic water supply for the towns of Clackmannan and Alloa.

 Substantial sections of both lades remain, but they are being eroded. The project will involve surveying and recording the remaining sections and associated remains of the two lade systems and adding to previous historical research. The adjacent sheet gives detail and dates of the training and survey work which is planned. Full training will be offered on all aspects of the work and survey work sessions will be completely flexible, so that you can come for all or part of the time of each two day session.  Once the evenings are lighter it may be possible to organise additional evening sessions.

If you are interested in joining in or would like more information about the project, please contact: cfss2estates@btopenworld.com

**Full Training will be given on all aspects of the work:**

This will include:

* clear access and safety instructions;
* the use of surveying equipment (including levels, compasses, tapes and rules)
* use of recording sheets;
* still photography (both individual shots and collages for 3D imaging);
* use of 3D imagery software;
* map drawing from survey results;
* digital scanning to convert hand drawn maps to a digital image;
* digital mapping to enhance the scanned images.

**Training and Survey Dates:**

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| **Dates** | **Training** | **Survey** | **Mapping** | **Location** |
| 30th March | Training 1 |  |  | Clackmannan TH |
| 2nd April |  | Survey 1a |  | Forestmill \* |
| 3rd April |  | Survey 1b |  | Forestmill \* |
| 6th April |  |  | Mapping 1 | Clackmannan TH |
| 13th April | Training 2 |  |  | Clackmannan TH |
| 16th April |  | Survey 2a |  | Gartmorn Dam |
| 17th April |  | Survey 2b |  | Gartmorn Dam |
| 20th April |  |  | Mapping 2 | Clackmannan TH |
| 18th May | Training 3 |  |  | Clackmannan TH |
| 21st May |  | Survey 3a |  | Lynmill/Tulligarth \* |
| 22nd May |  | Survey 3b |  | Lynmill/Tulligarth \* |
| 25th May |  |  | Mapping 4 | Clackmannan TH |
| 8th June | Training 4 |  |  | Clackmannan TH |
| 11th June |  | Survey 3a |  | Back Wood |
| 12th June |  | Survey 3b |  | Craigrie |
| 15th June |  |  | Mapping 4 | Clackmannan TH |
| TH = Town Hall\* Location is water-flow dependent – sites could be switched if water flow on a particular site is considered to be too high. |