4 Upavon Avenue, Greasby, Wirral, CH49 3PL
TEL: 07725 488648 - Web: www.ebsols.co.uk – email: admin@ebsols.co.uk

Bat Roost Survey

Banksfield Farm, Boggard Lane, Charlesworth
(Prepared by Environmental Business Solutions on Behalf of Stamford Wing)

June 2011

1. Introduction. Environmental Business Solutions have been requested to conduct a Bat Roost survey to ascertain the likely presence of any Bat species roosting within the buildings at Banksfield Farm, Charlesworth (Drawing No J101133-04 April 2011)

2. Site Overview.

2.1 Buildings. Two storey stone farm house in good condition, the sloping slate roof, attic and boards are in very good condition. Stone barn with open access, slate roof in poor condition (see figs 1 – 4).

2.2 Trees on site immature and not suitable for bat roosts.

3. Methodology

3.1 3x Bat dusk and dawn surveys.

3.1.2 Dates. Fri 3rd June – Mon 6th June 2011.

3.1.3 Conditions. See Table 1.

3.1.4 Timings. Dusk Surveys 20:40 – 24.00hr (sunset 21:10), Dawn Surveys 02:45 – 05:10hr (sunrise 04:48)

3.1.5 Surveyors. Mr W Gaudie, BSc hons wildlife conservation, MIEEM. Natural England Licence No 20112113, Mr J Ashworth.

3.1.6 Area surveyed. Outside of building (see Fig 1 for positions of surveyors).

3.1.7 Method. As per; Bat Conservation Trust (2007). *Bat Surveys – Good Practice Guidelines.* **Bat Conservation Trust, London**. ISBN 976-1-872745-99-2.

3.1.8 Equipment. 2 x Ciel CDB 301 HD/FD bat detector, Garmin etrex GPS, Meteos Skywatch weather station, Yukon NVMT.2.3x42 night vision.

Table 1. Dawn / dusk weather conditions

Survey	Date	Min Temperature	Wind	Cloud Cover	Rain
Dusk	030611	13.0◦C	10m/s	20%	Nil
Dawn	040611	14.5◦C	15m/s	25%	Nil
Dusk	040611	11.5◦C	10m/s	25%	Nil
Dawn	050611	10.0◦C	15m/s	10%	Nil
Dusk	050611	9.0◦C	10m/s	10%	Nil
Dawn	060611	10.0◦C	8m/s	30%	Nil

3.2 Day time building search

3.2.1 Dates. 3rd and 4th June 2011

3.2.2 Conditions. On all visits conditions were mainly dry, occasional showers with good visibility.

3.2.3 Surveyors. Mr W Gaudie, BSc hons wildlife conservation, MIEEM. Natural England Licence No 20112113, Mr J Ashworth.

3.2.4 Bat roost survey. Internal and external physical search of buildings. As per; Bat Conservation Trust (2007). *Bat Surveys – Good Practice Guidelines.* **Bat Conservation Trust, London**. ISBN 976-1-872745-99-2. All accessible roof spacings, voids, cracks (internal and external) were searched for signs of bat habitation.

3.2.5 Equipment. Meteos Skywatch weather station, Visual OpticsVO18-10ww endoscope, Petzl Ticker LED head torch, Cluson Smartlite 1,000,000 candlepower torch

4 Results

4.1 3x Bat Dusk and Dawn Surveys. No bats were recorded entering or leaving any building.

4.2 No signs of bat presence found during physical search

5 Assessment.

5.1 Constraints. None

5.2 Findings. Findings. It is not thought that bats are active in the buildings on site at present.

5.3 Potential impacts. Bat activity unlikely to be affected by the project at the present time.

5.4 Habitat suitability. The buildings are suitable to support bat roosts, therefore if the project is severely delayed then a revisit will be required.

6 Recommendations and Mitigation.

6.1 Further surveys. None at present (see 5.4 above).

6.2 Mitigation / Compensation. As the current building is deemed to be suitable for bat habitation, any new buildings on site should be sensitively designed. It is recommended that bat boxes are placed within the site.

6.3 Requirements for Habitat Regulations (EPS) licensing. Not required at present.

7. **Summary**. Due to the findings of the above surveys, it is thought that any proposed development is unlikely to have any effect on any bat populations at the present time. However, if any projects are to commence in the future then further surveying will be required with possible compensation and mitigation required.

Bill Gaudie,
BSc hons (Wildlife Conservation), MIEEM
ECOLOGICAL CONSULTANT



Fig 1. Main farm house



Fig 2. Barn Exterier



Fig 3. Barn interior



Front of Barn

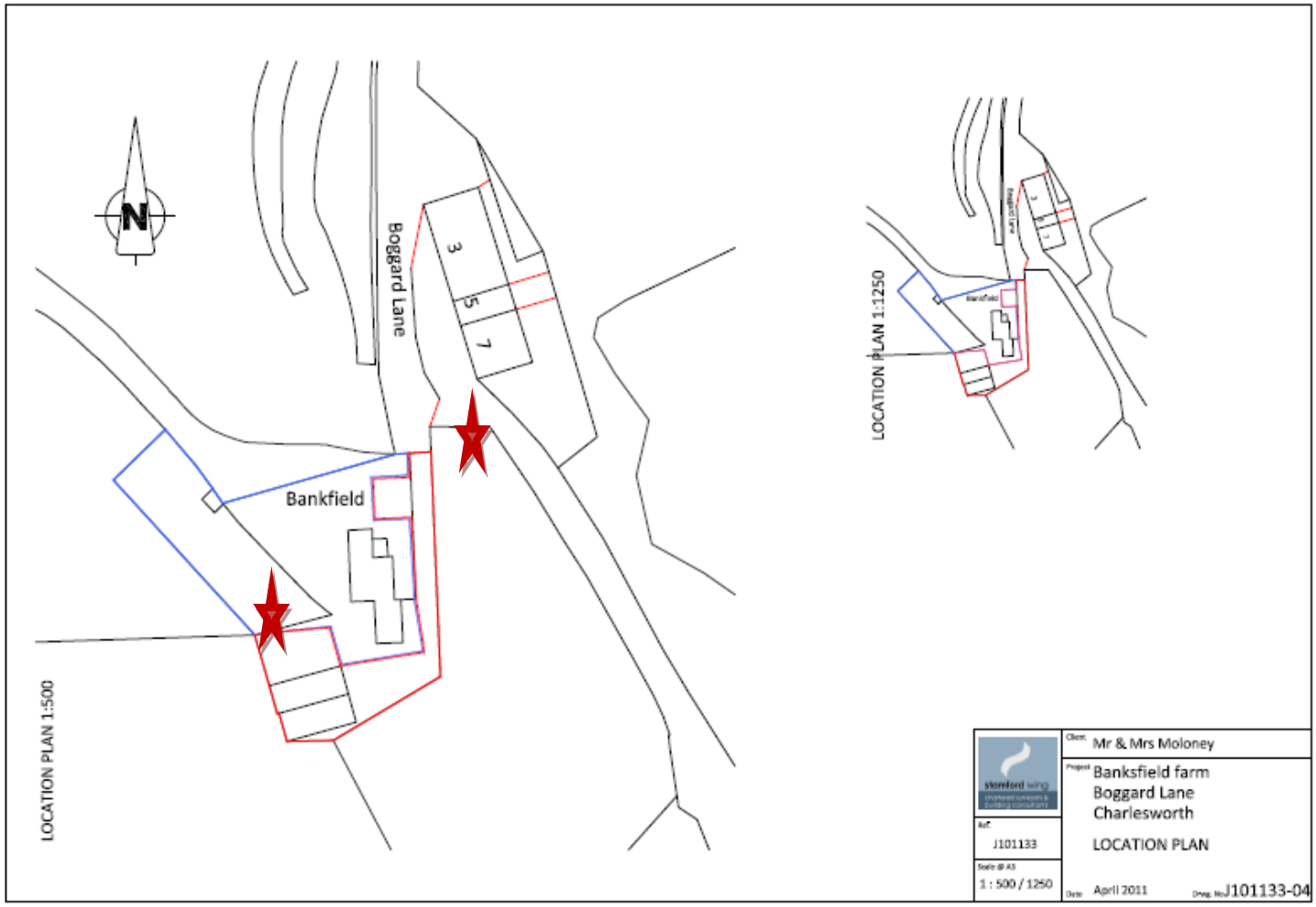


Fig5. Positions of surveys during dawn / dusk surveys