Appendix 2: Results tables for activity surveys at Reddish Lane Farm, Whaley Bridge

Table 1: Emergence survey on 26th August 2010 (sunset 20.12)

Observer 1 (S/W end of site)		
time	**species**	**activity**
20.31	*Pip 45*	Commuting
20.38	*Pip 45*	Arrived and fed briefly under tree at west end of barn by footpath
20.47-20.57	*Pip 45*	Distant calls heard intermittently. HNS
20.57-21.02	*Pip 45*	Commuting from W to E along the side of the barn occasional calls heard but bats not seen, then
21.02	*Pip 45*	Bat heard and seen high flying over house next to barn and into canopy of trees to west of house
21.03	*Pip 45*	Commuting from end of barn heading NE along footpath
21.03-21.10	*Pip 45*	Occasional passes (no feeding calls heard) along footpath. One bat commuting along side of barn at 21.10 heading west along footpath

Observer 2 (N/W end of site)		
time	**species**	**activity**
20.40	*Pip 45*	Commuting round corner between the barns from west- to north east
20.45	*Pip 45*	Commuting round corner between the barns from west- to north east
20.48 – 21.10	*Pip 45*	Foraging along hedge from south. Two bats seen feeding
21.17	*Pip 45*	Commuting along the hedge southwest to north east
21.25-21.37	*Pip 45*	Foraging along hedge at north end of site

Observer 3 (S/E end of site near Dutch Barn)		
time	**species**	**activity**
20.33	*Common pipistrelle*	Commuting; unseen; 3 seconds contact
20.33 – 20.35	*Common pipistrelle*	Flying within the Dutch barn, the easternmost structure on site. Departed E.
20.35	*Noctule*	Flew NNE overhead. Peak/terminal frequency 18kHz
20.36	*Common pipistrelle*	Arrived from E, flew briefly within Dutch barn then departed N
20.44	*Pipistrelle sp.*	Unseen; mid-distance; 8s contact
20.45	*Common pipistrelle*	Commuting; unseen; 4s contact
20.47 – 20.59	*Myotis sp.*	Arrived from SW and flew entirely within Dutch barn on arrival, repeatedly flying up and down the length (N-S) of the barn
20.49	*Common pipistrelle*	Unseen; 3s contact
20.51	*Pipistrelle sp.*	Unseen; 15s contact
20.53	*Common pipistrelle*	Unseen; 18s contact
20.56	*Common pipistrelle, Pipistrelle sp.*	Common pipistrelle mid-distance, 3s contact. Second contact 9s.
20.57	*Common pipistrelle*	Two contacts, both at mid-distance of some 5s duration
20.59	*Common pipistrelle, Myotis sp.*	Myotid flying within Dutch barn for 60s. Pipistrelle unseen, 6s contact
21.01	*Pipistrelle sp.*	Mid-distance; 12s contact

21.02	*Common pipistrelle*	13s contact
21.06	*Common pipistrelle, Myotis sp.*	Pipistrelle 6s contact. Myotid 3s contact
21.08	*Common pipistrelle*	Two contacts, 20s and 5s duration
21.09	*Common pipistrelle, Myotis sp.*	Pipistrelle 10s contact, unseen. Myotid flying in Dutch barn, 8s contact
21.10	*Pipistrelle sp.*	Mid-distance; 7s contact
21.12	*Common pipistrelle*	Frequent close contacts over 70s but unseen. Possibly foraging in gardens of houses to S of site
21.14 – 21.18	*Common pipistrelle*	Flying within Dutch barn
21.19	*Pipistrelle sp.*	8s contact, unseen
21.20 – 21.24	*Myotis sp.*	Two episodes of flying with Dutch barn. First episode 90s; bat departed S. Second episode 110s.
21.26	*Common pipistrelle*	Frequent contact over 90s period but unseen.
21.27	*Common pipistrelle*	Arrived from E and flew in Dutch barn for 90s
21.29 – 21.35	*Common pipistrelle*	Frequent, close contacts over the period. White light searches within the site area did not show or disturb bats. Presumed to be foraging in house gardens immediately S of site.

NB: Pip *spp* = pipistrelle species
Pip 45 = Common pipistrelle (*Pipistrellus pipistrellus*)
Pip 55 = soprano pipistrelle (*Pipstrellus pygmaeus*)
BLE = brown long-eared (*Plecotus auritus*)
Myotis = one of Myotis genera of bats
Noctule = noctule bat (*Nyctalus noctula*)

Table 2: Timing and conditions of survey

	Time	**Temperature**	**Wind**	**Cloud cover**	**Precipitation**
Start	19.45	12.5^{0}C	Light breeze	100%	Dry
End	21.45	11^{0}C	Still	100%	Intermittent rain
Sunset **Sunrise**	20.12				