

Technical Annex 12B  
Harbour

Bat Survey North Quay, Hayle

---



**BAT SURVEY  
NORTH QUAY, HAYLE  
CORNWALL  
2005**

## **BAT SURVEY OF LAND AT NORTH QUAY, HAYLE, CORNWALL**

**OS Grid Ref:** SW554379

**Survey date:** 4<sup>th</sup> October 2005

**Surveyors:** A. Atkinson  
M. Atkinson

**Taxonomic groups:** Bats

**Report compiled by:** A. Atkinson

**Report completed:** 5<sup>th</sup> October 2005

---

**Spalding Associates (Environmental) Limited**  
**Norfolk House, 16-17 Lemon Street, Truro, TR1 2LS**  
**Tel: 01872 272711**

---

## **DESCRIPTION OF SITE**

Part of the site is enclosed by security fencing at North Quay which is presently used by a plant contractor. Probably once a quarried area, there is a wall along the front on the western side. The back face of the site is of quarried stone with several crevices capable of harbouring bats, and there is a considerable amount of vegetation on the faces.

There is a short stone chimney in the north-west corner. This is well pointed and the hearth/flue is choked with building sand and gravel. There is some arborescent Ivy around the base, but otherwise there would appear to be no place for bats except inside the chimney and this would have to be reached from the top.

## **METHODS**

The whole site was first walked to assess the overall habitat for bats. The chimney was then examined. The quarry face was examined from the ground as closely as the vegetation allowed, and using a powerful torch, all suitable crevices were looked into for bats or signs of bats.

At dusk a visual and detector survey of the site was carried out. One surveyor watched the chimney to see if any bats exited from the top. The other surveyor walked the quarry face for the duration of the survey to determine what use was being made of the site by bats, also using a bat detector. The survey started at 19.10 hrs and continued until 19.50 hrs. when it became too dark to see bats emerging. The weather was calm, with thin cloud and dry with an air temperature of 13°C.

## **EVIDENCE OF BATS**

No sign of bats was found either during the walk-over survey or during the detector survey. No bats were seen to emerge from the chimney.

Although no bats were seen to come from the cliff/quarry face, a Pipistrelle bat was seen and heard feeding hard in one area for about a quarter of an hour soon after the start of the survey. This was seen or heard on several occasions later in the survey. Also, an unidentified bat was seen to fly high and fast to the north across the site at 19.19 hrs and a Brown Long-eared bat flew low along the southern end of the face at 19.24 hrs.

## **POTENTIAL FOR BATS**

There was no evidence that bats are using the chimney at this time of year. However, the chimney could be suitable for bats.

Although no bats were seen to emerge from the cliff face, it does offer suitable bat habitat. In particular, several of the crevices along the quarry face, including some of the shot holes, would appear to offer suitable refuge for hibernating bats, although none were seen at this time. The nature of the site, with standing water and shelter and vegetation, although appearing somewhat industrial, would appear to offer suitable foraging for bats.

## **FURTHER SURVEY WORK**

Further surveys at other times of the year should be carried out if work is to be undertaken in connection with the chimney or the quarry face. In particular, the chimney should have another exit survey during June and the cliff face another survey during December and January.

