

Figure 1: Flow chart for bridge works accounting for bats

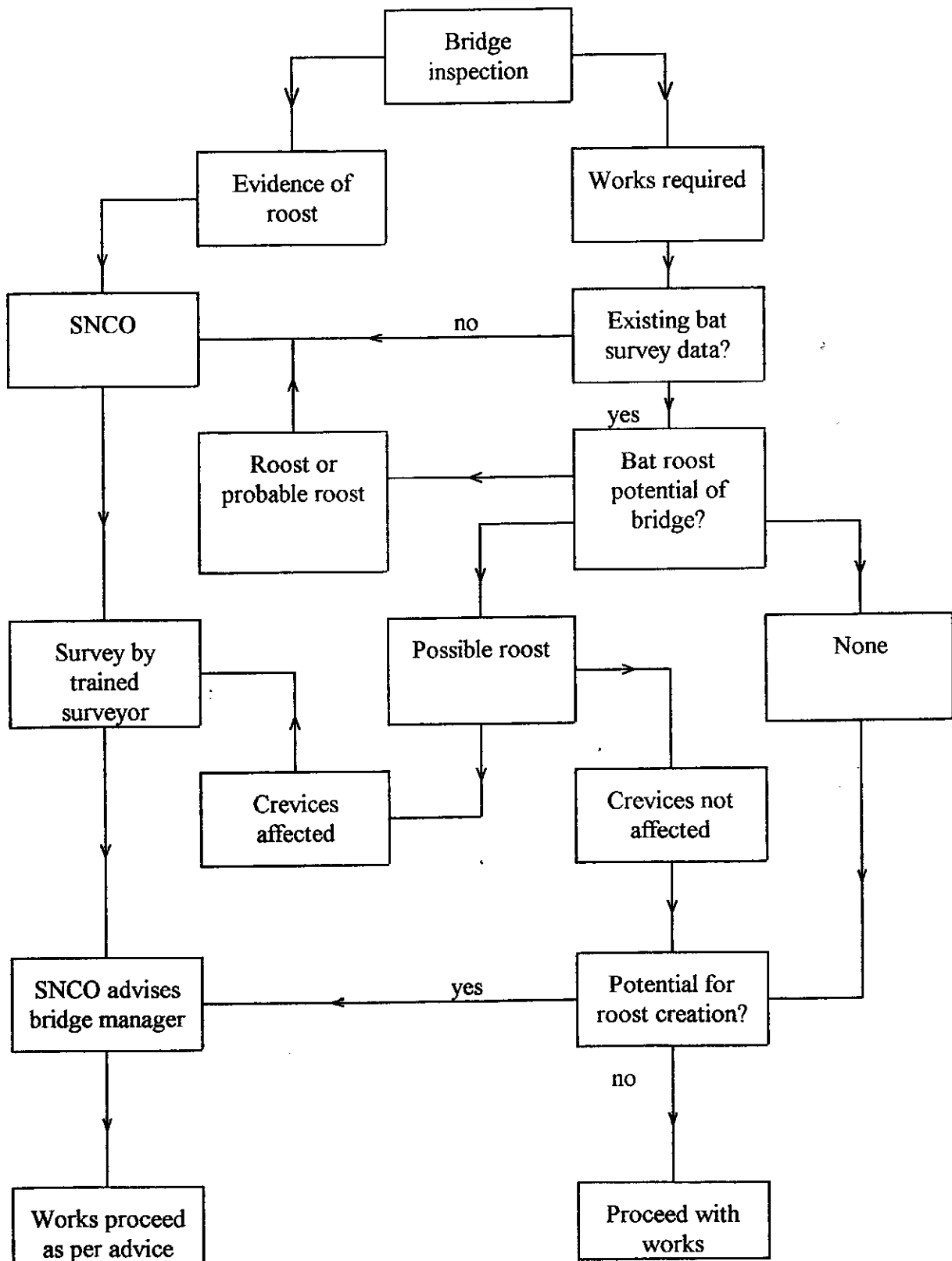
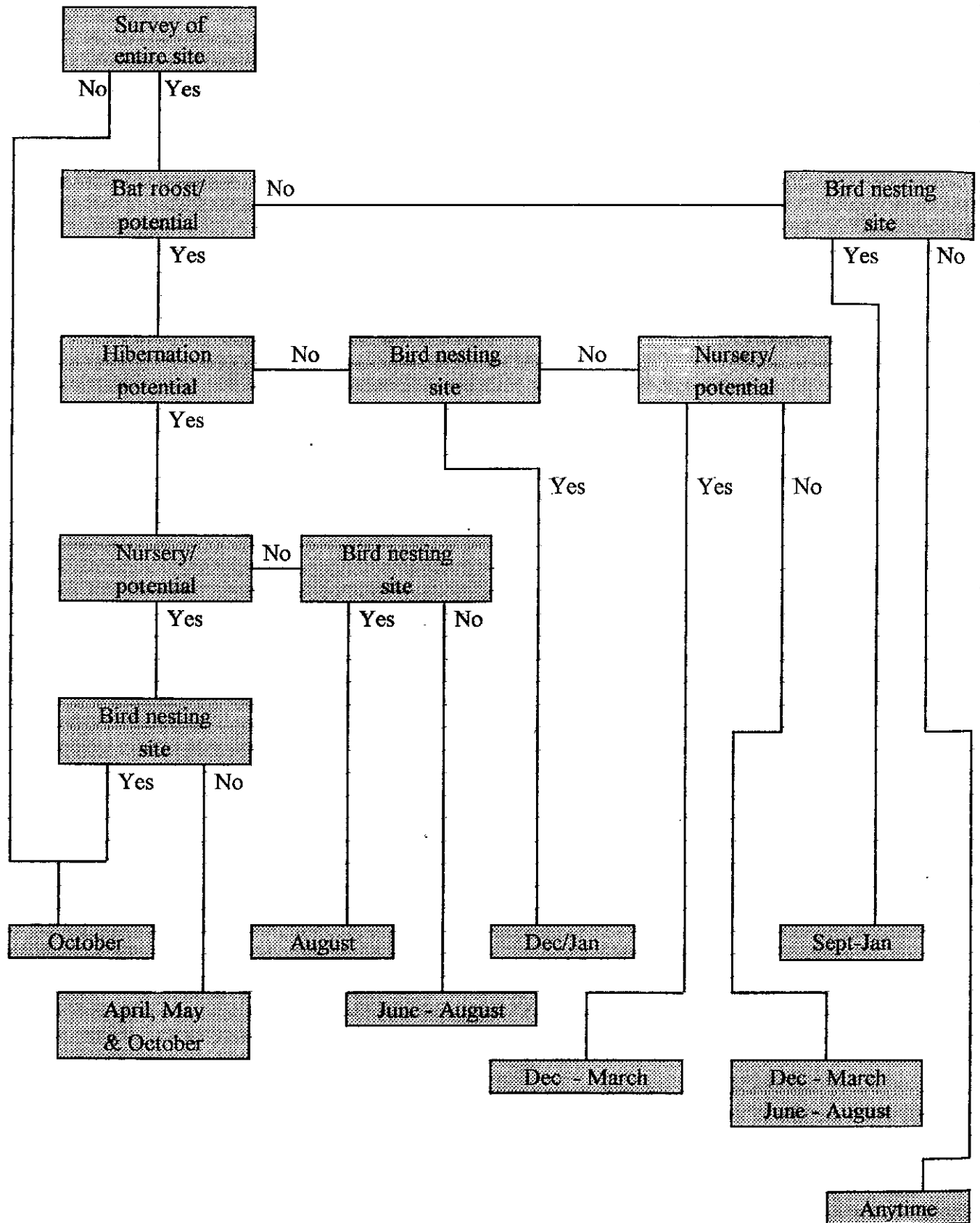


Figure 2: Flow chart to determine timing of works



5 Sources of information and contacts

These guidelines are an appendix to a report produced by the Conservation of Bats in Bridges Project on the survey and conservation of bats in bridges in Cumbria. This report summarises much of the current knowledge on this subject and should be consulted for further information on surveying and conservation techniques.

The statutory nature conservation organisations should be consulted over any works that may affect a bat roost or possible bat roost, an active bird's nest, or an otter holt. They can be contacted via their headquarters (see below) or local team offices (see telephone directory).

English Nature
Northminster House, Peterborough. PE1 1UA
Tel. 01733 455000

Scottish Natural Heritage
12 Hope Terrace, Edinburgh. EH9 2AS
Tel. 0131 4474784

Countryside Council for Wales
Plas Penrhos, Ffordd Penrhos, Bangor, Gwynedd. LL57 2LQ.
Tel. 01248 370444

Department of the Environment for Northern Ireland - Countryside and Wildlife Branch
Commonwealth House, 35 Castle Street, Belfast. BT1 1GU
Tel. 01232 251477

The Bat Conservation Trust can provide advice on all aspects of bat conservation:

The Bat Conservation Trust
15 Cloisters House, 8 Battersea Park Road, London. SW8 4BG.
Tel. 0171 6272629

APPENDIX II

- 1. Record form used for COBIB Project survey**
- 2. Revised record form**

BATS IN BRIDGES - RECORD FORM

BRIDGE NAME	GRID REFERENCE
LOCATION	ALTITUDE
VICE-COUNTY	ROAD NUMBER
OWNER	WATERCOURSE
SURVEYOR	HIGHWAYS AREA
	MAINTAINED BY
	DATE OF SURVEY

ACTION FOR ENGINEERS *(Tick appropriate box)*

SURVEY BEFORE WORKS *(Contact English Nature)*

RETAIN CREVICES ON DIAGRAM *(Contact EN if crevices affected)*

PROCEED WITH WORKS *(Survey not required)*

RECOMMENDATIONS FOR CONSERVATION / POTENTIAL IMPROVEMENT

BRIDGE DETAILS *(Circle choice)*

TYPE:	Road	Rail	Track	Footpath			
OVER:	Large river (> 3 m)	Small river (1 - 3 m)	Stream (< 1 m)				
	Road	Railway	Canal	Other			
SPAN:	Concrete	Wood	Steel	Brick	Limestone	Sandstone	Slate
ABUTMENT:	Concrete	Wood	Steel	Brick	Limestone	Sandstone	Slate

HEIGHT OF ARCH:	SPAN:
WIDTH (ROAD WIDTH):	N° of ARCHES:

BAT DETAILS *(Circle choice)*

POTENTIAL: 0 2 4 5

[0 = no potential; 2 = crevices possibly of use to bats; 4 = ideal crevices; 5 = evidence of bats]

EVIDENCE *(Circle choice)*

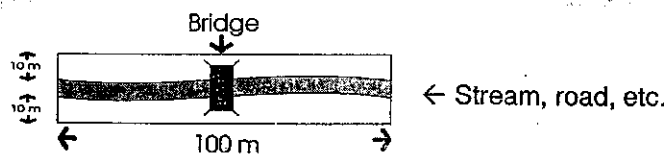
DROPPINGS STAINING BATS VISIBLE BATS AUDIBLE

DETAILS:

PERCEIVED THREATS

DIAGRAM AND DESCRIPTION

HABITAT



Broadleaved Trees/Woodland	<input type="checkbox"/>	D	Arable	<input type="checkbox"/>	D
Conifer Trees/Woodland.....	<input type="checkbox"/>	D	Hedges	<input type="checkbox"/>	D
Scrub.....	<input type="checkbox"/>	D	Walls	<input type="checkbox"/>	D
Improved grassland.....	<input type="checkbox"/>	D	Buildings	<input type="checkbox"/>	D
Unimproved grassland.....	<input type="checkbox"/>	D	Bog/Wet Ground	<input type="checkbox"/>	D
Fast-flowing water	<input type="checkbox"/>	D	Slow-flowing water/ponds.....	<input type="checkbox"/>	D

Tick occurrence as applicable - and circle D where dominant.

OTHER NON-BAT SPECIES

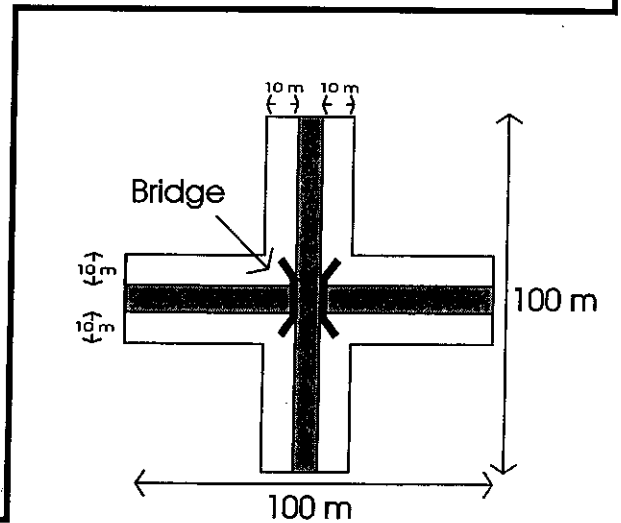
SPECIES

EVIDENCE/DETAILS

Blank area for recording species and evidence details.

PERCEIVED THREATS

DIAGRAM AND DESCRIPTION



Record the habitat along both linear features. Indicate North on the diagram and label each linear feature as watercourse, road, disused railway, etc.

HABITAT

- | | | | | | |
|----------------------------------|--------------------------|---|-------------------------------|--------------------------|---|
| Broadleaved Trees/Woodland | <input type="checkbox"/> | D | Arable | <input type="checkbox"/> | D |
| Conifer Trees/Woodland..... | <input type="checkbox"/> | D | Hedges | <input type="checkbox"/> | D |
| Scrub..... | <input type="checkbox"/> | D | Walls..... | <input type="checkbox"/> | D |
| Improved grassland..... | <input type="checkbox"/> | D | Buildings | <input type="checkbox"/> | D |
| Unimproved grassland..... | <input type="checkbox"/> | D | Bog/Wet Ground | <input type="checkbox"/> | D |
| Fast-flowing water | <input type="checkbox"/> | D | Slow-flowing water/ponds..... | <input type="checkbox"/> | D |

Tick occurrence as applicable - and circle D where dominant.

OTHER NON-BAT SPECIES

SPECIES

EVIDENCE/DETAILS

Blank area for recording species and evidence details.