

Club-tailed Dragonfly ( <i>Gomphus vulgatissimus</i> )
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## 2. Current factors affecting the species

River water quality, river maintenance and usage are the main factors which affect the occurrence of this species. Dredging has a significant effect on the larval stages as damage to riparian vegetation makes the transition from larvae to the adult stages difficult.

The need for woodland and tree cover nearby appears to be important cover as this species spends most of its adult life away from the waters edge.

## 3. Current action

### 3.1 Legal Status

Listed as Nationally Scarce in the SSSI guidelines, i.e. occurs in less than 100 10 km<sup>2</sup> in Britain.

The River Teme is now designated as a SSSI.

### 3.2 Management, Research and Guidance

The Environment Agency has detailed records of the location of the Club-tailed Dragonfly and considers these when river work is planned. This species is listed in the Local Environment Action Plan in each area where it occurs.

There is a private long term study detailing the annual emergence rate of this species at Bewdley.

General recording from 1994-1998 has tracked the spread of the species further up the river Avon from Evesham to the Warwickshire border.

## REFERENCES

Averill, M. 1996 The Dragonflies of Worcestershire. Cookley Printers Ltd.

ACTION	POTENTIAL DELIVERERS		MEETS Ob. No.
	Lead	Partner	
<b>5.1 Policy and Legislation</b>			
Ensure that a relevant species policy is included in District Local Plans and the County Structure Plan (see	WCC LAs	WWT EN	1

DETR Policy Guidance Note PPG9).			
Continue to cover the species in LEAP documents.	EA		1
<b>5.2 Species Safeguard and Management</b>			
Ensure river water quality is maintained to the highest standard	STW EA	WWT	2
Any dredging work should be carried out sympathetically	EA LAs	BDS BW	1
Prevent unnecessary trampling of emergence sites	Owners	EA	1
<b>5.3 Advisory</b>			
Produce a guide for woodland managers and riparian landowners	EA	WWT	3
<b>5.4 Research and Monitoring</b>			
Continue the long term study of monitoring the annual status of the Club-tailed Dragonfly.	BDS		1
Instigate research in to the relationship between this species and woodland habit.	BDS		3
Research in to habitat requirements of larval stages	BDS	EA	1
<b>5.5 Communications and Publicity</b>			
Increase general awareness of the species through appropriate publicity around surveys and events.	WWT		1