

**European Community Directive
on the Conservation of Natural Habitats
and of Wild Fauna and Flora
(92/43/EEC)**


**Second Report by the United Kingdom under
Article 17
on the implementation of the Directive
from January 2001 to December 2006**

**Conservation status assessment for
Species:
S1096 - *Lampetra planeri* - Brook lamprey**

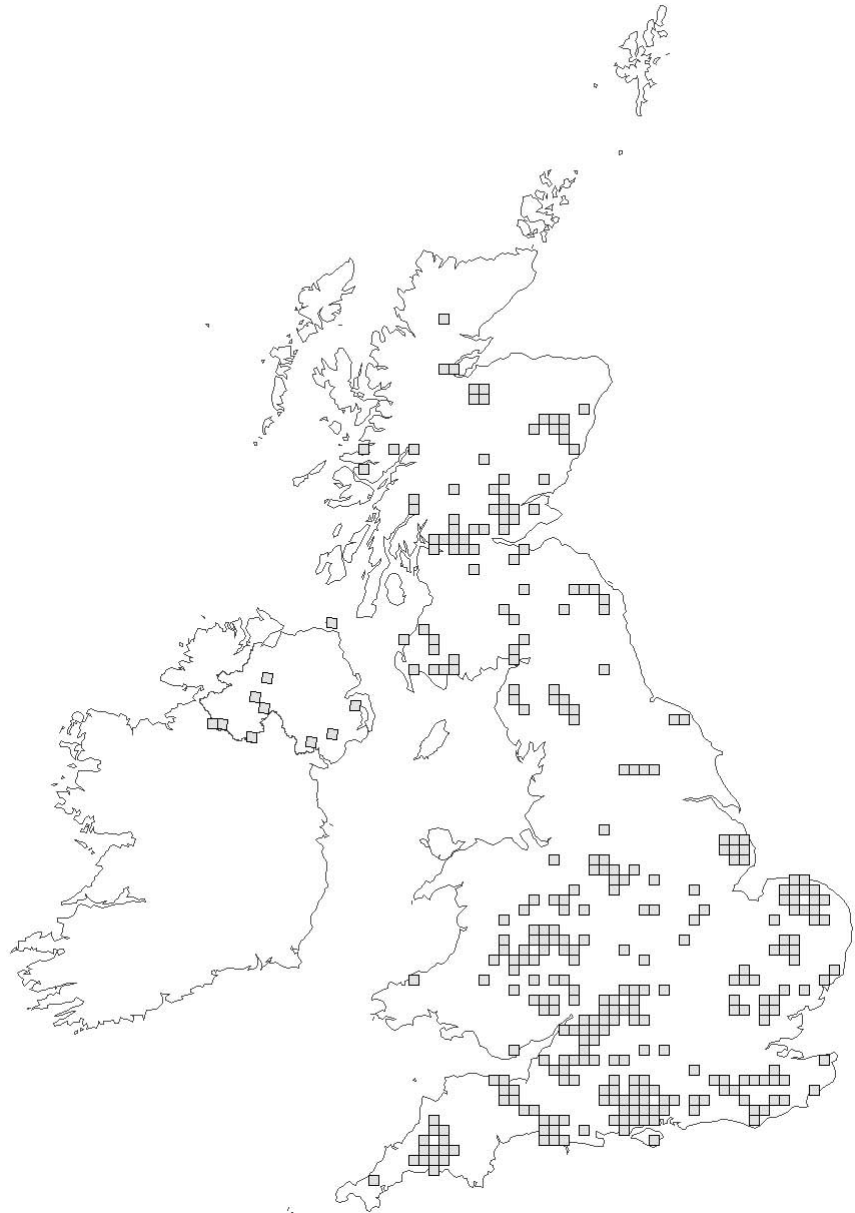
The information in this assessment corresponds to the "species fact sheet" submitted by the UK to the European Union in February 2008 (second and final submission). Please note that this is a section of the UK's report. For the complete report visit <http://www.jncc.gov.uk/article17>

Please cite as: Joint Nature Conservation Committee. 2007. *Second Report by the UK under Article 17 on the implementation of the Habitats Directive from January 2001 to December 2006*. Peterborough: JNCC. Available from: www.jncc.gov.uk/article17

Species Name: *Lampetra planeri*

1. National level	
Species Code	S1096
Member State	United Kingdom
Biogeographic regions concerned within the Member state	ATL
1.1 Range map	 A map of the United Kingdom showing the distribution of the lampetra planeri. The map includes the main islands of Great Britain and Ireland, as well as the Channel Islands and the Shetland Islands. Shaded grey areas indicate the range of the species, which is primarily concentrated in the southern and central regions of England, with smaller, more fragmented populations in the Scottish Highlands and the Shetland Islands. The distribution is patchy, with significant gaps between the shaded areas.

1.2 Distribution map



2. Biogeographic level

2.1 Biogeographic region

ATL

2.2 Published sources and/or websites

APEM. 2005. Lamprey survey of the Rivers Tywi, Teifi and Cleddau. Review of consents report no. 7 for Environment Agency and Countryside Council for Wales.

Centre for Environment Fisheries and Aquatic Science (CEFAS) and Environment Agency. 2006. Annual assessment of salmon stocks and fisheries in England and Wales, 2005. Environment Agency, Cardiff.

DAVIES, CE, SHELLEY, J, HARDING, PT, MCLEAN, IFG, GARDINER, R and Peirson, G (eds.) 2004. Freshwater fishes in Britain. The species and their distribution. Harley Books, Colchester

Ecological Research Associates (ERA). 2005. A national lamprey survey of Scotland. Report for Scottish Natural Heritage, Clydebank.

FORTH FISHERIES FOUNDATION. 2004. River and brook lamprey monitoring of the Endrick Water cSAC/SSSI. Scottish Natural Heritage Commissioned Report No. 057.

HARVEY, JP, NUNN, AD and COWX, I. 2006a. Survey of larval lamprey (ammocoetes and transformers) in the Yorkshire Ouse and Derwent catchments, 2004. Report to the Environment Agency (Dales Area).

HARVEY, JP, NOBLE, R, COWX, IG, NUNN AD and TAYLOR R. 2006b. Monitoring of lamprey in the rivers Wye and Usk SACs 2005-2006. Report to CCW.

KELLY, FL and KING, JJ. 2001. A review of the ecology and distribution of three lamprey species, *Lampetra fluviatilis* (L.), *Lampetra planeri* (Bloch) and *Petromyzon marinus* (L.): a context for conservation and biodiversity considerations in Ireland. Biology and Environment: Proceedings of the Royal Irish Academy, 101B, 165-185.

MAITLAND, PS. 2000a. Guide to Freshwater Fish of Britain and Europe. Hamlyn, London.

MAITLAND, PS. 2000b. Distribution of lampreys in the River Teith. Report for Scottish Natural Heritage.

MAITLAND, PS. 2003. Ecology of the River, Brook and Sea Lamprey. Conserving Natura 2000 Rivers, Ecology Series No. 5. Peterborough: English Nature.

<http://www.english-nature.org.uk/LIFEinUKRivers/publications/lamprey.pdf>

MAITLAND, PS. 2004. Keys to the Freshwater Fish of Britain and Ireland, with notes on their distribution and ecology. FBA Scientific Publication No. 62.

WILLIAMS, J. (ed.) 2005. Common Standards Monitoring (CSM). Peterborough: Joint Nature Conservation Committee, www.jncc.gov.uk/page-2217

Map Data Sources

GB records:

Biological Records Centre - Database for the Atlas of Freshwater Fishes (1637-2003) (via NBN Gateway).

Northern Ireland records:

Jackson, D.L. and McLeod, C.R. (eds.). 2000. Report 312 - Handbook on the UK status of EC Habitats Directive interest features: provisional data on the UK distribution and extent of Annex I habitats and the UK distribution and population size of Annex II species. Revised 2002. Peterborough: Joint Nature Conservation Committee. Available online at: <http://www.jncc.gov.uk/page-2447>

2.3 Range of species in the biogeographic region or marine region

2.3.1 Surface range of the species (sq km)	106465			
2.3.2 Date of range determination	1990-2003			
2.3.3 Quality of data concerning range	Moderate			
2.3.4 Range trend	Unknown (X)			
2.3.5 Range trend magnitude (%)	Not applicable			
2.3.6 Range trend period	2001-2006			
2.3.7 Reasons for reported trend	Not applicable			
2.4 Population				
2.4.1 Population size estimation	Minimum	Unknown	Maximum	Unknown
	Units			
2.4.2 Date of population estimation	05/2007			
2.4.3 Method used for population estimation	1 - Based on expert opinion			
2.4.4 Quality of population data	Poor			
2.4.5 Population trend	Unknown (X)			
2.4.6 Population trend magnitude (%)	Not applicable			
2.4.7 Population trend period	1994-2006			
2.4.8 Reasons for reported trend	Not applicable			
2.4.9 Justification of % thresholds for trends (optional)	Not applicable			
2.4.10 Main pressures	221 - bait digging; 300 - Sand and gravel extraction; 701 - water pollution; 811 - management of aquatic and bank vegetation for drainage purposes; 820 - Removal of sediments (mud...); 830 - Canalisation; 850 - Modification of hydrographic functioning, general; 852 - modifying structures of inland water courses; 853 - management of water levels; 951 - drying out / accumulation of organic material; 952 - eutrophication; 953 - acidification; 954 - invasion by a species; 971 - competition; 973 - introduction of disease;			
2.4.11 Threats	221 - bait digging; 300 - Sand and gravel extraction; 701 - water pollution; 811 - management of aquatic and bank vegetation for drainage purposes; 820 - Removal of sediments (mud...); 830 - Canalisation; 850 - Modification of hydrographic functioning, general; 852 - modifying structures of inland water courses; 853 - management of water levels; 951 - drying out / accumulation of organic material; 952 - eutrophication; 953 - acidification; 954 - invasion by a species; 971 - competition; 973 - introduction of disease;			
2.5 Habitat for the species in the biogeographic region or marine region				
2.5 Habitats for the species	Understanding of <i>L. planeri</i> 's water quantity and water quality requirements is relatively poor (Maitland, 2003). However, it is generally reported as needing clean well-oxygenated river gravels for spawning with suitable nearby hiding places, good water quality, and slower flowing nursery areas of sandy silt for juveniles			
2.5.2 Area estimation (sq km)	Unknown			
2.5.3 Date of estimation	05/2007			

2.5.4 Quality of data	Poor
2.5.5 Trend of the habitat	Increasing (+)
2.5.6 Trend period	2002-2006
2.5.7 Reasons for reported trend	3 - Direct human influence;
2.6 Future prospects	
2.6 Future prospects for the species	Good prospects_Species expected to survive and prosper
2.7 Complementary information	
2.7.1 Favourable reference range (sq km)	106465
2.7.2 Favourable reference population	
2.7.3 Suitable Habitat for the species	Unknown
2.7.4 Other relevant information	
2.8 Conclusions <i>(assessment of conservation status at end of reporting period)</i>	
(2.3) Range	(FV) - Favourable
(2.4) Population	(XX) - Unknown
(2.5) Habitat for the species	(U1+) - Inadequate but improving
(2.6) Future prospects	(FV) - Favourable
Overall assessment	(U1+) - Inadequate but improving