

ITCHEN, CANDOVER AND TESTWOOD WATER ABSTRACTION INQUIRY

INQUIRY DOCUMENTS LIST

INQUIRY DOCUMENTS	
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SC6.7a	Appendix 7a - River Itchen, NE consultation response
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Little River Management Limited and Fish Legal	
SC7a	Statement of Case of Little River Management Limited (Part 1)
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SC7b.1	Fish Legal representation on Itchen s.52 proposal, December 2016
SC7b.2	Fish Legal representation on Testwood s.52 proposal, August 2017
SC7b.3	Letter from Southern Water to the Environment Agency, 19 August 2016
SC7b.4	Letter from the Environment Agency to Southern Water, 22 September 2016
SC7b.5	Email from Southern Water to the Environment Agency, 23 September 2016
SC7b.6	"Testwood-Otterbourne Pipeline Scheme - Notes on Scheme Description, including specifically frequency, duration, and magnitude of use". SW draft note, October 2016
SC7b.7	Letter from Southern Water to stakeholders regarding Drought Planning, 10 March 2017
SC7b.8	Discussion paper on salmon migration modelling River Test Salmon Working Group, August 2015
SC7b.9	River Test Salmon Migration and River Flows Analysis of Rod Catch and Fish Counter data, John Lawson, June 2015
SC7b.10	Note on the migration probability-flow relationship for River Test salmon, John Lawson, June 2015
SC7b.11	Note on re-calibration of the Pisces salmon migration model, John Lawson, August 2015
SC7b.12	Summary Report of the Salmon Working Group, 30 September 2015
Hampshire & Isle of Wight Wildlife Trust	
SC8	Statement of Case of Hampshire & Isle of Wight Wildlife Trust
Salmon and Trout Conservation UK and WWF	
SC9	Statement of Case of Salmon and Trout Conservation UK and WWF
SC9a	Annex 1 - WWF (2014) The State of England's Chalk Streams
SC9b	Annex 2 - WWF (2009) An assessment of invertebrate-based target flows for the River Itchen, Hampshire Prepared for WWF by Professor Robert Wilby, University of Loughborough, November 2009
SC9c	Annex 3 - WWF (2015) Discussion Paper on Managing Lower Test Abstraction Impacts Report produced for WWF by John Lawson FEng FICE FCIWEM March 2015
SC9d	Annex 4 - WWF (2011) Discussion Paper for WWF's Itchen Initiative - Smarter licensing to reduce damaging abstraction from environmentally fragile rivers with minimum possible impact on water resources yield. River Itchen Case Study Written by Dr Colin Fenn (Independent Consultant), Professor Rob Wilby (University of Loughborough) February 2011
Test and Itchen Association	
SC10	Statement of Case of the Test and Itchen Association
SC10a	Comment on Testwood Abstraction Licence, 7 November 2016
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Upper Itchen Initiative	
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PROOFS OF EVIDENCE	
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SWS1	Proof of Evidence of Andy Blaxland
SWS2	Proof of Evidence of Robin Smale
SWS2a	Appendix 1 to Proof of Evidence of Robin Smale – Green Book
SWS2b	Appendix 2 to Proof of Evidence of Robin Smale – EA 2012 Updating the National Water Environment Benefit Survey values
SWS3	Proof of Evidence of Tessa Wardley
SWS3a	Appendix 1 to Proof of Evidence of Tessa Wardley - Richard P. Chadd et al, 2017- An index to track the ecological effects of drought development and recovery on riverine invertebrate communities, in Ecological Indicators
SWS3b	Appendix 2 to Proof of Evidence of Tessa Wardley - Extence et al (1999), River flow indexing using British benthic macroinvertebrates: A framework for setting hydroecological objectives. Regulated Rivers: Research and Management 15, 543-574

SWS3c	Dawson et al, 1978 The seasonal effects of aquatic plant growth on the flow of water in a stream. Proc. Eur. Weed Res. Soc. 5th Int. Symp. Aquatic Weeds, Wageningen, p. 71 to 78.
SWS3d	Appendix 4 to Proof of Evidence of Tessa Wardley - Cranston E. and Darby E. (2004) Ranunculus in Chalk Rivers: Phase 2. Environment Agency Science Report WI-042/TR
SWS3e	Appendix 5 to Proof of Evidence of Tessa Wardley - Southey J (2004) River Kennet Macrophyte Flow Study Final Report. November 2004. Scott Wilson KirkPatrick. Report to Thames Water Utilities plc
SWS4	Proof of Evidence of Dr Andrew Brooks
SWS4a	Appendix 1 to Proof of Evidence of Dr Andrew Brooks - Buglife (2011). Species dossier. Baetis niger Southern iron blue
SWS4b	Appendix 2 to Proof of Evidence of Dr Andrew Brooks - Hatton-Ellis et al,(2003), Ecology of Watercourses Characterised by Ranunculion fluitantis and Callitricho-Batrachion Vegetation. Conserving Natura 2000 Rivers Ecology Series No. 11. English Nature, Peterborough.
SWS4c	Appendix 3 to Proof of Evidence of Dr Andrew Brooks - Holdich, D. (2003). Ecology of the White-clawed Crayfish. Conserving Natura 2000 Rivers
SWS4d	Appendix 4 to Proof of Evidence of Dr Andrew Brooks - JNCC (2008). UK Biodiversity Action Plan; Priority Habitat Descriptions. Coastal and floodplain grazing marsh
SWS4e	Appendix 5 to Proof of Evidence of Dr Andrew Brooks - Maitland, P.S. (2003). Ecology of the River, Brook and Sea Lamprey. Conserving Natura 2000 Rivers Ecology Series No. 5. English Nature, Peterborough
SWS4f	Appendix 6 to Proof of Evidence of Dr Andrew Brooks - Natural England, (1982). Baddesley Common SSSI Citation
SWS4g	Appendix 7 to Proof of Evidence of Dr Andrew Brooks - Natural England, 2001. River Itchen SSSI Citation
SWS4h	Appendix 8 to Proof of Evidence of Dr Andrew Brooks - The Environmental Project Consulting Group. (2017) Erner Bog and Baddesley Common Hydrological Desk Study
SWS4i	Appendix 9 to Proof of Evidence of Dr Andrew Brooks - WFD-UKTAG, 2014, River Assessment Method. Benthic Invertebrate Fauna. Invertebrates (General Degradation): Whalley, Hawkes, Paisley & Trigg (WHPT) metric in River Invertebrate Classification Tool (RICT) UKTAG Method Statement.
SWS5	Proof of Evidence of Robin Soley
SWS5a	Appendices to Proof of Evidence of Robin Soley
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SWS6	Proof of Evidence of Ben Piper
SWS6a	Appendix to Proof of Evidence of Ben Piper – Interpretation of Hydrology for Aquator, Southern Water, 17 January 2018
SWS7	Proof of Evidence of Nigel Hepworth
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SWS7b	Appendix 2 to Proof of Evidence of Nigel Hepworth - Copy of email showing agreement in principle from Natural England to River Itchen Habitats Regulations compensation framework in 2016
SWS7c	Appendix 3 to Proof of Evidence of Nigel Hepworth - 22 April 2009 agreement between the EA and Thames Water Utilities Ltd ("TWUL") relating to the operation of Beckton Water Treatment (Desalination) Plant

SWS7d	Appendix 4 to Proof of Evidence of Nigel Hepworth - 19 December 2016 agreement between the EA and TWUL relating the Lower Thames Abstraction Scheme
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SWS7f	Appendix 6 to Proof of Evidence of Nigel Hepworth - 21 July 2015 agreement between the EA and United Utilities Ltd relating to the operation of abstractions from South Egremont Boreholes and Ennerdale Water
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SWS9	Proof of Evidence of Meyrick Gough
SWS10	Proof of Evidence of Dr Nigel Milner
SWS10a	Publication List (appended to proof)
SWS10b.1	Appendix to Proof of Evidence of Dr Nigel Milner - Preliminary Assessment of River Flow Impacts on Salmon Migration Resulting from Alternative Hands off Flows In Simulated Extreme Drought Scenarios, Report to Southern Water Services, 31/01/2018
SWS10b.2	Appendix to Proof of Evidence of Dr Nigel Milner - Advanced Regression Modelling of the Response of Salmon Counts to Flow and Related Variables in the Lower Great Test, Draft report to Southern Water Services updated 31/01/2018
SWS10b.3	Appendix to Proof of Evidence of Dr Nigel Milner - Time series analysis of daily salmon count data from the Great Test at Nursling Mill, 1996-2007, Colin Fenn and Antonino Scarbaci Hydro-Logic Services (International) Ltd. For Southern Water Services, November 2016
SWS10b.4	Appendix to Proof of Evidence of Dr Nigel Milner - Effects of hot dry summers on the loss of Atlantic salmon, <i>Salmo salar</i> , from estuaries in South West England, Solomon and Sandbrook
SWS10b.5	Appendix to Proof of Evidence of Dr Nigel Milner - Salmon Stocks and Fisheries in England and Wales in 2016
SWS10b.6	Appendix to Proof of Evidence of Dr Nigel Milner - A Review of the Literature on the Upstream Migration of Adult Salmonids J. W. Banks, Department of Zoology, University of Liverpool (Received 3 December 1968)
SWS10b.7	Appendix to Proof of Evidence of Dr Nigel Milner - Homing behaviour of Atlantic salmon (<i>Salmo salar</i>) during final phase of marine migration and river entry
SWS10b.8	Appendix to Proof of Evidence of Dr Nigel Milner - Managing River Flows For Salmonids: Evidence-Based Practice
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SWS10b.11	Appendix to Proof of Evidence of Dr Nigel Milner - Effects of flow on the migration habits of adult Atlantic salmon in the River Frome
SWS10b.12	Appendix to Proof of Evidence of Dr Nigel Milner - Ecological responses to altered flow regimes: a literature review to inform the science and management of environmental flows

SWS10b.13	Appendix to Proof of Evidence of Dr Nigel Milner - Movements of Atlantic salmon, <i>Salmo salar</i> L., in an estuary in south-west England
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SWS10b.15	Appendix to Proof of Evidence of Dr Nigel Milner - Homing and Olfaction in Salmonids: A Critical Review with Special Reference to the Atlantic Salmon
SWS19b.16	Appendix to Proof of Evidence of Dr Nigel Milner - Ecological indicators of the effects of abstraction and optimisation of flow releases from water storage reservoirs
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NE1b.1	Appendix 1 to Proof of Evidence of Chris Mainstone – Climate Change Adaptation Manual 2014
NE1b.2	Appendix 2 to Proof of Evidence of Chris Mainstone – Mainstone et al - 2016, Conserving Freshwater Wetland Habitats
NE1b.3	Appendix 3 to Proof of Evidence of Chris Mainstone - Mainstone et al – 2014, Priority River Habitat Mapping Targeting
NE1b.4	Appendix 4 to Proof of Evidence of Chris Mainstone - Mainstone et al – 2015, Refining Priority River Habitat Map
NE1b.5	Appendix 5 to Proof of Evidence of Chris Mainstone - Mainstone et al – In Press Development of Condition Assessment Framework for Freshwater Habitats
NE1b.6	Appendix 6 to Proof of Evidence of Chris Mainstone – Mainstone Clarke – 2008, Managing Stressors for Freshwater Wildlife
NE1b.7	Appendix 7 to Proof of Evidence of Chris Mainstone – Mainstone -2010, Evidence Base for Flow Targets to Protect River Habitat
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NE1b.9	Appendix 9 to Proof of Evidence of Chris Mainstone – Freshwater LCN-2010, Review of UK CSMG for Designated Rivers
NE1b.10	Appendix 10 to Proof of Evidence of Chris Mainstone - Mainstone- 2008, Role of Designated Sites in Freshwater Conservation
NE1b.11	Appendix 11 to Proof of Evidence of Chris Mainstone – Mainstone -2010, Review of Flow Targets in UK CSMG for Designated Rivers
NE1b.12	Appendix 12 to Proof of Evidence of Chris Mainstone – Jowett 1997, Instream Flow Methods Comparisons.
NE1b.13	Appendix 13 to Proof of Evidence of Chris Mainstone – Acreman et al -2008, Developing Environmental Standards for Abstractions
NE1b.14.1	Appendix 14.1 to Proof of Evidence of Chris Mainstone – Mainstone et al - 1999, Chalk Rivers Nature Conservation Management Pt.1
NE1b.14.2	Appendix 14.2 to Proof of Evidence of Chris Mainstone – Mainstone et al - 1999, Chalk Rivers Nature Conservation Management Pt.2
NE1b.15	Appendix 15 to Proof of Evidence of Chris Mainstone – NE Guidance on Local Hydroecological Investigations
NE1b.16	Appendix 16 to Proof of Evidence of Chris Mainstone – Nutter et al 2007, SSSI River Flow Criteria
NE1b.17	Appendix 17 to Proof of Evidence of Chris Mainstone – JNCC 2011, UK BAP Priority Habitat Descriptions
NE1b.18	Appendix 18 to Proof of Evidence of Chris Mainstone - Arthington et al. (2006) Environmental Flow Rules

NE1b.19	Appendix 19 to Proof of Evidence of Chris Mainstone - Richter et al (1997) How Much Water Does a River Need
NE2	Proof of Evidence of Dr Alex Poynter
NE2a	Summary Proof of Evidence of Dr Alex Poynter
NE2b.1	Appendix 1 to Proof of Evidence of Dr Alex Poynter - Grieve (2014) River Itchen SSSI Condition Assessment, UCL
NE2b.2	Appendix 2 to Proof of Evidence of Dr Alex Poynter - Bealey & Price (2015) Itchen Valley NVC Report
NE2b.3	Appendix 3 to Proof of Evidence of Dr Alex Poynter - Collingridge (2002) Itchen Wet Grassland NVC Survey
NE2b.4	Appendix 4 to Proof of Evidence of Dr Alex Poynter - Test & Itchen River Restoration Strategy (2013)
NE2b.5	Appendix 5 to Proof of Evidence of Dr Alex Poynter - Wilby (2010) Assessment of Invertebrate-Based Target Flows
NE2b.6	Appendix 6 to Proof of Evidence of Dr Alex Poynter - Atkins (2012) Lower River Test NEP - Vol. 1.
NE2b.7	Appendix 7 to Proof of Evidence of Dr Alex Poynter – Letter from Natural England September 2012
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BMFT1a.1	Documentation relating to the lease between TBME and Little River Management Ltd.
BMFT1a.2	Expenditure – River Fishery Costs
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