

NRA Thames 231

Received 3rd August 94 Andrew NRA THAMES 231

Please can you update/
as necessary & return ^{letter}
to me. Steve Roberts

BLACKWATER RIVER CATCHMENT MANAGEMENT PLAN

(Sunbury - ext 3443)

DRAFT ACTION PLAN

Steve will call
Fri 5th.

PLEASE SEND YOUR COMMENTS, BY 17TH DECEMBER 1993, TO :

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ENVIRONMENT AGENCY



122560

CATCHMENT-WIDE ACTION PLAN

don't like this term "Regulate & negotiate appropriate development" i.e. we do nothing other may be viable.

ISSUE	STRATEGY	ACTION	PRIORITY	TIMING	LEAD	OTHERS	COST (£K) 1993/99
1. Impact of development on river corridors within Blackwater catchment	1. <u>Ensure</u> appropriate development	1. Continue promotion of appropriate land use policies and influence of development plans	High	93/4 onwards	NRA		5
		2. Improve appropriate policy framework in development plans and implement to resist inappropriate development	High	93/4 onwards	CC, BC, DC	NRA	
	2. Manage quantity and quality of urban & road	1. Produce runoff control management plan	Medium	95/6	NRA	TWUL, BC, DC	5
		2. Advise on best practical environmental options	High	93/4	NRA		3
2. River maintenance standards	1. Produce integrated river management plan	1. Produce methodology for maintenance standard (NRA R&D Project)	High	Complete	NRA		
		2. Pilot test R&D methodology on Blackwater river	High	94/5	NRA		10
		3. Produce agreed Reach Sketch Maps for River Maintenance/Management after multidisciplinary consultation	Medium	95/6	NRA	CWTs, EN	15
		4. Publish Standards, Targets and maintain Blackwater to the agreed methodology	Medium	96/7 onwards	NRA		120
		5. Carry out similar action for the River Hart	Medium	95/6 onwards	NRA	CWTs, EN	85
3. Groundwater quality	1. Implement NRA Groundwater Protection Policy	1. Promote Groundwater Protection Policy to local Planning Authorities	High	93/4 onwards	NRA	CC, BC, DC	2

Note: Costs shown are those incurred by the NRA, are indicative and subject to detailed project justification.

BLACKWATER RIVER ACTION PLAN (1)

We are more likely to audit than to undertake Strategic Management

ISSUE	STRATEGY	ACTION	PRIORITY	TIMING	LEAD	OTHERS	COST (£K) 1993/99
1. Impact of development on Blackwater River corridor	1. Minimise adverse impact of Blackwater Valley Road	1. Finalise design of river works and mitigation proposals	High	93/4	HCC, SCC	NRA	
		2. Implement sympathetic river works and mitigation proposals	High	93/4, 94/5, 95/6	HCC, SCC	NRA	
		3. Monitor works after construction	Medium	93/4 onwards	NRA	HCC, SCC	5
	2. Develop and implement habitat enhancement programme	1. Commission strategic river corridor habitat survey, formulate enhancement programme	High	94/5	NRA	EN, CWTs	15
		2. Implement enhancement works and management regime	Medium	95/6 onwards	NRA	CC, BC, DC, Developers	50+
	3. Develop and implement landscape enhancement programme	1. Commission strategic landscape assessment, formulate enhancement programme	High	94/5	NRA	CoCo, CC, BC, DC	10
		2. Implement enhancement works	Medium	95/6 onwards	NRA	CC, BC, DC, Developers	50+
	4. Maintain, develop and improve fish populations	1. Continue programme of fishery assessments	High	93/4, 98/9	NRA		10
		2. Implement habitat improvements	Medium		NRA	CC, BC, DC, Developers	50

not sure this is sufficient £10k?

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BLACKWATER RIVER ACTION PLAN (II)

ISSUE	STRATEGY	ACTION	PRIORITY	TIMING	LEAD	OTHERS	COST (£K) 1993/99
2. Water quality in Blackwater River	1. Improve water quality downstream of Camberley STW (3.3km reach failed RQO in 1990)	1. Improve Camberley STW	High	Complete	TWUL	NRA	
	2. Maintain quality improvement downstream of Aldershot Military STW to Cove Brook	1. Review consent at Ash Vale STW	Medium	94/5	NRA	TWUL	3
	3. Improve water quality d/s of Cove Brook to R.Loddon to meet long term objective (1b)	1. Review consent at Sandhurst STW	Medium	94/5	NRA	TWUL	3
	4. Manage impact of potential changes to trade effluent treatment at Camberley STW	1. Review consent and monitor as appropriate	High	95/6 (dependent upon TWUL proposals)	NRA	TWUL	15
	5. Implement Statutory Water Quality Objectives for 'Fisheries Ecosystem' use in Blackwater Catchment	1. Submit proposals to DOE and conduct informal consultation 2. Implement		Dependent upon DOE Dependent upon DOE	NRA NRA	TWUL, Dischargers	

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BLACKWATER RIVER ACTION PLAN (III)

ISSUE	STRATEGY	ACTION	PRIORITY	TIMING	LEAD	OTHERS	COST (£K) 1993/99
2. Water quality in Blackwater River (continued)	6. Review suitability of river for appropriate water contact sports	1. Continue monitoring programme	High	93/4 onwards	NRA		10
		2. Await Government's proposals on SWQOs for Contact Sports	High	Dependent upon DOE	DOE	NRA	
		3. Cost-Benefit Analysis	Medium	Dependent upon DOE	NRA		5
	1. Reduce excessive number of oil pollution incidents	1. Implement Pollution Prevention Initiative	High	93/4	NRA	Industry	5
		2. Monitor surface water outfalls	Medium	93/4 onwards	NRA	TWUL, BC, DC	25
		3. Investigate pollution incidents: prosecute if appropriate	High	93/4 onwards	NRA	TWUL, BC, DC	100
3. Excessive Macrophyte growth	1. Formulate management strategy	1. Carry out DO survey programme	High	93/4 onwards	NRA		5
		2. Propose designation of Blackwater as a 'Eutrophic Sensitive Area' under EC Directive on Wastewater Treatment leading to phosphate removal at STW	High	93/4	NRA		
		3. Improve management techniques	Medium	94/5 onwards	NRA		
4. Inadequate flood defence standards	1. Improve standards to appropriate level	1. Carry out multifunctional feasibility study	High	Complete	NRA	EN, CoCo, CWTs, CC, BC, DC	10
		2. Design environmentally sympathetic and economically justifiable scheme	High	93/4	NRA		15
		3. Implement scheme	High	94/5	NRA		300
		4. Monitor	Medium	95/6	NRA		2

Note: Costs shown are those incurred by the NRA, are indicative and subject to detailed project justification.

RIVER HART ACTION PLAN

ISSUE	STRATEGY	ACTION	PRIORITY	TIMING	LEAD	OTHERS	COST (£K) 1993/99
1. Flooding at Crondall from River Hart and minor water courses	1. Improve flood defence standards	1. Implement scheme on main river	High	Completed 93/4	NRA		90
		2. Implement scheme on minor watercourses	High	93/4	HCC, HDC	NRA	25
		3. Identify other areas at risk, investigate and alleviate	High	93/4 to 96/7	HCC, HDC	NRA	50?
2. Water quality in the River Hart and Fleet Brook	1. Improve water quality downstream of Fleet STW	1. Review consent conditions	High	93/4	NRA		5
		2. Improve Fleet STW to meet tightened consent conditions	High	94/5, 95/6, 96/7	TWUL		
3. Effect of Itchel abstraction on local springs and river flows in upper Hart	1. Evaluate situation as part of regional review	1. Assess priority for detailed study	Medium	Completed 93/4	NRA		1
		2. Review situation	Medium	94/5 onwards	NRA		2
4. Degraded habitats	1. Formulate and implement enhancement programme	1. Undertake River Corridor Habitat and Fishery Survey	High	94/5, 95/6	NRA		20
		2. Prepare management and enhancement strategy. Use geomorphological survey for the Blackcroft	High	95/6, 96/7	NRA		
		3. Undertake habitat enhancement works	Medium	95/5 onwards	NRA	CC, BC, DC Landowner	20
5. Poor population of fish in upper reaches of Hart	1. Investigate situation and formulate appropriate solutions	1. Undertake targetted fishery survey	Medium	94/5	NRA		3
		2. Formulate recommendations	Medium	94/5	NRA		1
		3. Implement recommendations	Medium	Dependent upon survey results	NRA		

Note: Costs shown are those incurred by the NRA, are indicative and subject to detailed project justification.

RIVER WHITEWATER ACTION PLAN

ISSUE	STRATEGY	ACTION	PRIORITY	TIMING	LEAD	OTHERS	COST (£K) 1993/99
1. Water quality on River Whitewater	1. Investigate cause of apparent low dissolved oxygen	1. Undertake studies	High	93/4	NRA		2
		2. Implement recommendations	Medium	94/5 onwards	NRA		
2. Degraded habitats	1. Formulate and implement enhancement programme	1. Undertake River Corridor Habitat and Fishery Survey	High	93/4, 94/5	NRA		20
		2. Prepare management and enhancement strategy. <i>Use geomorphological survey of Blackwater</i>	High	94/5, 95/6	NRA		
		3. Undertake habitat enhancement works	Medium	94/5 onwards	NRA	CC, BC, DC Landowner	20
3. Concern over low flows in upper Whitewater	1. Investigate situation and formulate appropriate solutions	1. Assess river using NRA standardised methodology	High	93/4	NRA	MSWC	3
		2. Investigate options, including reducing abstraction at Greywell and use of new Bray intake	Medium	Dependent upon assessment	NRA	MSWC	10
		3. Implement appropriate action	Medium	Dependent upon study			
4. Recognition of special value of Whitewater valley	1. Consider designation of Whitewater Valley Countryside Heritage Area	1. Promote consideration of benefits, implications and cost of such designation	Medium	93/4	NRA	HCC, HDC, BDBC	1

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BASINGSTOKE CANAL ACTION PLAN

ISSUE	STRATEGY	ACTION	PRIORITY	TIMING	LEAD	OTHERS	COST (£K) 1993/99
1. Balance between ecological value and recreation/amenity use	1. Formulate multidisciplinary management strategy	1. Increase participation by NRA in Basingstoke Canal Authority Liaison Group	High	93/4 onwards	NRA	BCA, EN	1
		2. Continue fisheries survey programme	High	93/4, 98/9	NRA		10
2. Dependence of ecological value on water quality	1. Maintain water quality	1. Monitor water quality	High	93/4 onwards	NRA	BCA, EN	5
3. Proposed increased navigational use	1. Assessment of implications for water demand	1. Consider conditions for abstraction licence	Medium	Dependent upon BCA	NRA	BCA	1

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FLEET POND ACTION PLAN

ISSUE	STRATEGY	ACTION	PRIORITY	TIMING	LEAD	OTHERS	COST(£K) 1993/99
1. Continued long term deterioration of ecological value	1. Ensure appropriate management of pond and MoD land upstream on Gelvert Stream	1. Evaluate MoD silt traps	High	93/4, 94/5	NRA	MOD, HDC,FPS NRA, HDC FPS	2
		2. Investigate further options to prevent silt pollution	Medium	Dependant upon effectiveness of existing silt traps	MOD		
		3. Finalise Draft Management Plan	High	93/4, 94/5	FPS	HDC, EN HWT, NRA	
		4. Prepare Fishery Management Strategy	Medium	97/8 future	NRA	HDC, FPS	1
		5. Monitor the status of Macrophyte Communities	Medium		EN	NRA,FPS, HDC	
		6. Set SWQO for Pond	Medium	Dependent upon DOE	NRA	HDC,FPS, MOD	1

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KEY TO ABBREVIATIONS

BBONT Berkshire, Buckinghamshire and Oxfordshire Naturalists Trusts
 BC Borough Council
 BCA Basingstoke Canal Authority
 BDBC Basingstoke & Deane Borough Council

 CC County Council
 CoCo Countryside Commission
 CWT County Wildlife Trust

 DC District Council
 DO Dissolved Oxygen
 DOE Department of the Environment

 EC European Community
 EN English Nature

 FPS Fleet Pond Society

HCC Hampshire County Council
 HDC Hart District Council
 HWT Hampshire Wildlife Trust

 MOD Ministry of Defence
 MSWC Mid-Southern Water Company

 NRA National Rivers Authority

 R&D Research and Development

 SCC Surrey County Council
 STW Sewage Treatment Works
 SWQO Statutory Water Quality Objectives
 SWT Surrey Wildlife Trust

 TWUL Thames Water Utilities